Gene	Gene_id	Disease	Disease_id	Type	Disease_Class	Semantic_Type	N_genes_d	N_SNPs_d	Score_gda	EL_gda	EI_gda	N_PMIDs
POLR2C	5432	otein Meas	C2985280	phenotype	NA	Laboratory Procedure	1156	2575	0.1	NA	1	1
POLR2C	5432	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
POLR2C	5432	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1
POLR2C	5432	Psoriasis v	C0263361	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	255	80	0.01	NA	1	1
POLR2C	5432	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.01	NA	1	1
POLR2C	5432	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
POLR2C	5432	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.01	NA	1	1
POLR2C	5432	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
BTG3	10950	Juvenile ar	C3495559	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	450	128	0.32	NA	1	3
BTG3	10950	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.31	NA	1	1
BTG3	10950	Conventio	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2346	222	0.31	NA	1	1
BTG3	10950	Cholestasis	C0008370	disease	Digestive System Diseases	Disease or Syndrome	420	15	0.3	NA	1	1
BTG3	10950	Juvenile-O	C0087031	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	171	41	0.3	NA	1	1
BTG3	10950	Chromoph	C1266042	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	185	2	0.3	NA	1	1
BTG3	10950	Sarcomato	C1266043	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	134	0	0.3	NA	1	1
BTG3	10950	Collecting	C1266044	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	162	0	0.3	NA	1	1
BTG3	10950	Papillary R	C1306837	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	223	3	0.3	NA	1	1
BTG3	10950	Juvenile ps	C3714758	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	138	0	0.3	NA	1	1
BTG3	10950	Polyarthrit	C4552091	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	131	0	0.3	NA	1	1
BTG3	10950	Polyarthrit	C4704862	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	131	0	0.3	NA	1	1
BTG3	10950	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.1	NA	1	18
BTG3	10950	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	12
BTG3	10950	Systemic S	C0036421	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	979	287	0.08	NA	0.875	8
BTG3	10950	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.07	NA	1	7
BTG3	10950	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.06	NA	1	6
BTG3	10950	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.06	NA	1	6
BTG3	10950	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.05	NA	1	5
BTG3	10950	Autoimmu	C0004364	group	Immune System Diseases	Disease or Syndrome	1758	428	0.05	NA	1	5
BTG3	10950	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.05	NA	1	5
BTG3	10950	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.04	NA	1	4
BTG3	10950	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.04	NA	1	4
BTG3	10950	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.04	NA	1	4
BTG3	10950	Lupus Eryt	C0409974	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	558	44	0.04	NA	1	4
BTG3	10950	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.03	NA	1	3
BTG3	10950	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.03	NA	1	3
BTG3	10950	Lupus Vulg	C0024131	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	526	44	0.03	NA	1	3
BTG3	10950	Lupus Eryt	C0024138	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	552	46	0.03	NA	1	3
BTG3	10950	Primary Sjo	C0151449	disease	Eye Diseases; Skin and Connective Tissue Diseases; Musculoskeletal Disea	Disease or Syndrome	312	42	0.03	NA	1	3
BTG3	10950	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.03	NA	1	3
BTG3	10950	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.03	NA	1	3
BTG3	10950	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.03	NA	1	3
BTG3	10950	Anaplasia	C0002793	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	538	7	0.02	NA	1	2
BTG3	10950	Anxiety	C0003467	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1048	287	0.02	NA	1	2
BTG3	10950	Anxiety Dis	C0003469	group	Mental Disorders	Mental or Behavioral Dysfunc	840	163	0.02	NA	1	2
BTG3	10950	Arthritis	C0003864	disease	Musculoskeletal Diseases	Disease or Syndrome	1072	69	0.02	NA	1	2
BTG3	10950	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.02	NA	1	2
BTG3	10950	ry biliary ci	C0008312	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	478	667	0.02	NA	1	2
BTG3	10950	Sclerodern	C0011644	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	316	5	0.02	NA	1	2
BTG3	10950	Encephalit	C0014060	disease	Infections; Nervous System Diseases	Disease or Syndrome	272	34	0.02	NA	1	2

BTG3	10950	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.02	NA	1	2
BTG3	10950	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.02	NA	1	2
BTG3	10950	Ovarian Ca	C0029925	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	539	19	0.02	NA	1	2
BTG3	10950	Rheumatis	C0035435	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases	Disease or Syndrome	197	19	0.02	NA	1	2
BTG3	10950	Cerebrova	C0038454	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1658	591	0.02	NA	0.5	2
BTG3	10950	Thrombocy	C0040034	phenotype	Hemic and Lymphatic Diseases	Disease or Syndrome	592	110	0.02	NA	1	2
BTG3	10950	Vasculitis	C0042384	disease	Cardiovascular Diseases	Disease or Syndrome	294	24	0.02	NA	1	2
BTG3	10950	Malignant	C0153381	group	Neoplasms; Stomatognathic Diseases	Neoplastic Process	756	184	0.02	NA	1	2
BTG3	10950	Lung Disea	C0206062	group	Respiratory Tract Diseases	Disease or Syndrome	319	144	0.02	NA	1	2
BTG3	10950	Lip and Ora	C0220641	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	734	172	0.02	NA	1	2
BTG3	10950	Memory in	C0233794	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	763	48	0.02	NA	1	2
BTG3	10950	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.02	NA	1	2
BTG3	10950	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.02	NA	1	2
BTG3	10950	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.02	NA	1	2
BTG3	10950	Lupus anti	C0311370	disease	Pathological Conditions, Signs and Symptoms; Immune System Diseases;	Disease or Syndrome	66	14	0.02	NA	1	2
BTG3	10950	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.02	NA	1	2
BTG3	10950	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.02	NA	1	2
BTG3	10950	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.02	NA	1	2
BTG3	10950	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.02	NA	1	2
BTG3	10950	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.02	NA	1	2
BTG3	10950	Sjogren's S	C1527336	disease	Eye Diseases; Skin and Connective Tissue Diseases; Musculoskeletal Disea	Disease or Syndrome	481	47	0.02	NA	1	2
BTG3	10950	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.02	NA	1	2
BTG3	10950	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.02	NA	1	2
BTG3	10950	Alcohol Us	C0001956	disease	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	218	54	0.01	NA	1	1
BTG3	10950	Amnesia	C0002622	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	173	12	0.01	NA	1	1
BTG3	10950	Anemia	C0002871	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	847	94	0.01	NA	1	1
BTG3	10950	Anemia, H	C0002878	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	154	31	0.01	NA	1	1
BTG3	10950	Autoimmu	C0002880	disease	Immune System Diseases; Hemic and Lymphatic Diseases	Disease or Syndrome	81	0	0.01	NA	1	1
BTG3	10950	ive Tissue I	C0009782	group	Skin and Connective Tissue Diseases	Disease or Syndrome	188	24	0.01	NA	1	1
BTG3	10950	Constipatio	C0009806	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	424	57	0.01	NA	1	1
BTG3	10950	Cryoglobul	C0010403	disease	Immune System Diseases; Hemic and Lymphatic Diseases; Cardiovascular	Disease or Syndrome	37	7	0.01	NA	1	1
BTG3	10950	Dermatom	C0011633	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Nervous S	Disease or Syndrome	235	34	0.01	NA	1	1
BTG3	10950	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.01	NA	1	1
BTG3	10950	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.01	NA	1	1
BTG3	10950	Erythema I	C0014742	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	38	2	0.01	NA	1	1
BTG3	10950	Esophagea	C0014859	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1254	270	0.01	NA	1	1
BTG3	10950	Hypergam	C0020455	disease	Pathological Conditions, Signs and Symptoms; Immune System Diseases;	Disease or Syndrome	36	0	0.01	NA	1	1
BTG3	10950	Hypertens	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.01	NA	1	1
BTG3	10950	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.01	NA	1	1
BTG3	10950	Lymphope	C0024312	disease	Immune System Diseases; Hemic and Lymphatic Diseases	Disease or Syndrome	239	16	0.01	NA	1	1
BTG3	10950	Mixed Con	C0026272	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	61	4	0.01	NA	1	1
BTG3	10950	Nephritis	C0027697	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	296	40	0.01	NA	1	1
BTG3	10950	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1
BTG3	10950	Raynaud P	C0034735	disease	Cardiovascular Diseases	Disease or Syndrome	63	1	0.01	NA	1	1
BTG3	10950	Reflex Sym	C0034931	disease	Nervous System Diseases	Disease or Syndrome	5	0	0.01	NA	1	1
BTG3	10950	Localized s	C0036420	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	51	0	0.01	NA	0	1
BTG3	10950	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.01	NA	1	1
BTG3	10950	Uveitis	C0042164	disease	Eye Diseases	Disease or Syndrome	247	43	0.01	NA	1	1
BTG3	10950	Anterior uv	C0042165	disease	Eye Diseases	Disease or Syndrome	53	20	0.01	NA	1	1
BTG3	10950	Vascular D	C0042373	group	Cardiovascular Diseases	Disease or Syndrome	688	40	0.01	NA	1	1

BTG3	10950	B-Cell Lym	C0079731	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1408	42	0.01	NA	1	1
BTG3	10950	Benign Ne	C0086692	group	Neoplasms	Neoplastic Process	371	7	0.01	NA	1	1
BTG3	10950	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
BTG3	10950	Esophagea	C0152018	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1287	272	0.01	NA	1	1
BTG3	10950	Metastatic	C0220650	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Nervous Syster	Neoplastic Process	392	28	0.01	NA	1	1
BTG3	10950	Adult type	C0221056	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Nervous S	Disease or Syndrome	218	31	0.01	NA	1	1
BTG3	10950	Autoimmu	C0241910	disease	Digestive System Diseases; Immune System Diseases	Disease or Syndrome	213	23	0.01	NA	1	1
BTG3	10950	Linear Scle	C0263409	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	9	0	0.01	NA	1	1
BTG3	10950	Generalize	C0263664	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	3	0	0.01	NA	1	1
BTG3	10950	Alexander	C0270726	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	27	99	0.01	NA	1	1
BTG3	10950	Physical ac	C0278080	disease	Chemically-Induced Disorders; Mental Disorders; Behavior and Behavior M	Mental or Behavioral Dysfunc	18	0	0.01	NA	1	1
BTG3	10950	Adenocarc	C0279628	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	468	81	0.01	NA	1	1
BTG3	10950	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.01	NA	1	1
BTG3	10950	Human pa	C0343641	disease	Infections	Disease or Syndrome	429	42	0.01	NA	1	1
BTG3	10950	Erythema	C0406637	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	4	0	0.01	NA	1	1
BTG3	10950	Neuropath	C0442874	group	Nervous System Diseases	Disease or Syndrome	484	110	0.01	NA	1	1
BTG3	10950	Forgetful	C0542476	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Sign or Symptom	429	18	0.01	NA	1	1
BTG3	10950	Malignant	C0546837	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1286	214	0.01	NA	1	1
BTG3	10950	Primary sc	C0566602	disease	Digestive System Diseases	Disease or Syndrome	264	58	0.01	NA	1	1
BTG3	10950	Osteosarc	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.01	NA	1	1
BTG3	10950	Hashimoto	C0677607	disease	Endocrine System Diseases	Disease or Syndrome	335	131	0.01	NA	1	1
BTG3	10950	Epithelial c	C0677886	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	1224	129	0.01	NA	1	1
BTG3	10950	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
BTG3	10950	Acute ante	C0701807	disease	Eye Diseases	Disease or Syndrome	90	30	0.01	NA	1	1
BTG3	10950	Memory L	C0751295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Sign or Symptom	163	10	0.01	NA	1	1
BTG3	10950	REM Sleep	C0751506	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Disease or Syndrome	9	0	0.01	NA	1	1
BTG3	10950	Hypocomp	C0853888	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	14	1	0.01	NA	1	1
BTG3	10950	Chronic gra	C0867389	disease	Immune System Diseases	Disease or Syndrome	241	17	0.01	NA	1	1
BTG3	10950	Autoimmu	C0920350	disease	Immune System Diseases; Endocrine System Diseases	Disease or Syndrome	161	76	0.01	NA	1	1
BTG3	10950	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.01	NA	1	1
BTG3	10950	Diffuse Scl	C1258104	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	56	5	0.01	NA	1	1
BTG3	10950	Familial m	C1275122	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	317	32	0.01	NA	1	1
BTG3	10950	Plaque mo	C1290049	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	1	0	0.01	NA	1	1
BTG3	10950	Nonspecifi	C1290344	disease	Respiratory Tract Diseases	Disease or Syndrome	28	1	0.01	NA	1	1
BTG3	10950	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.01	NA	1	1
BTG3	10950	Metastatic	C1384494	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	57	2	0.01	NA	1	1
BTG3	10950	Morphea	C1527383	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	20	0	0.01	NA	0	1
BTG3	10950	Renal Insu	C1565489	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	615	42	0.01	NA	1	1
BTG3	10950	Chromoso	C1832588	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	65	6	0.01	NA	1	1
BTG3	10950	PEELING SI	C1849193	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	67	11	0.01	NA	1	1
BTG3	10950	PSORIASIS	C1864497	disease	NA	Disease or Syndrome	4	14	0.01	NA	1	1
BTG3	10950	Anti-Neutr	C2717865	disease	Immune System Diseases; Cardiovascular Diseases	Disease or Syndrome	86	3	0.01	NA	1	1
BTG3	10950	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.01	NA	1	1
BTG3	10950	Ovarian cle	C3544205	disease	NA	Neoplastic Process	103	0	0.01	NA	1	1
BTG3	10950	Juvenile rh	C3714757	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	183	10	0.01	NA	1	1
BTG3	10950	Convulsion	C4048158	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	174	4	0.01	NA	1	1
BTG3	10950	Deep Circu	C4055160	disease	NA	Disease or Syndrome	1	0	0.01	NA	1	1
BTG3	10950	Immunogl	C4087124	disease	Immune System Diseases	Disease or Syndrome	80	2	0.01	NA	1	1
BTG3	10950	Autoimmu	C4721555	disease	Digestive System Diseases	Disease or Syndrome	190	22	0.01	NA	1	1
BTG3	10950	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.01	NA	1	1

CTSO	1519	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.05	NA	1	5
CTSO	1519	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.04	NA	1	4
CTSO	1519	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
CTSO	1519	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
MIER2	54531	Adenoid C	C0010606	disease	Neoplasms	Neoplastic Process	325	30	0.3	NA	1	1
MIER2	54531	Salivary Gl	C0036095	group	Neoplasms; Stomatognathic Diseases	Neoplastic Process	116	3	0.3	NA	1	1
MIER2	54531	Malignant	C0220636	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	91	0	0.3	NA	1	1
ATP11C	286410	HEMOLYTI	C4746970	disease	NA	Disease or Syndrome	1	1	0.4	NA	1	1
ATP11C	286410	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.3	NA	NA	0
ATP11C	286410	Anemia, H	C0002878	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	154	31	0.1	NA	NA	0
ATP11C	286410	Icterus	C0022346	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	241	17	0.1	NA	NA	0
ATP11C	286410	X- linked re	C1845977	phenotype	NA	Finding	172	1	0.1	NA	NA	0
ATP11C	286410	Anemia, H	C0002881	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	27	8	0.02	NA	1	2
ATP11C	286410	Anemia	C0002871	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	847	94	0.01	NA	1	1
ATP11C	286410	Intrahepat	C0008372	disease	Digestive System Diseases	Disease or Syndrome	54	3	0.01	NA	1	1
ATP11C	286410	Hyperbiliru	C0020433	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	131	27	0.01	NA	1	1
ATP11C	286410	Liver disea	C0023895	group	Digestive System Diseases	Disease or Syndrome	1019	100	0.01	NA	1	1
ATP11C	286410	Conjugated	C0268307	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	32	1	0.01	NA	1	1
ATP11C	286410	Cholestatic	C0860204	disease	Digestive System Diseases	Disease or Syndrome	58	0	0.01	NA	1	1
ATP11C	286410	Precursor I	C1292769	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	478	23	0.01	NA	1	1
ATP11C	286410	Congenital	C1321907	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Endocrin	Congenital Abnormality	4	0	0.01	NA	1	1
ATP11C	286410	Cholestasis	C4551898	disease	Digestive System Diseases	Disease or Syndrome	38	19	0.01	NA	1	1
SHOC2	8036	Noonan Sy	C0028326	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	85	187	0.8	disputed	0.957	23
SHOC2	8036	Noonan-Li	C3501846	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	22	4	0.7	definitive	1	17
SHOC2	8036	NOONAN S	C4478716	disease	NA	Disease or Syndrome	1	2	0.7	NA	1	9
SHOC2	8036	LEOPARD S	C0175704	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	47	27	0.31	no reporte	1	1
SHOC2	8036	Costello sy	C0587248	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	50	24	0.31	disputed	1	2
SHOC2	8036	Cardio-faci	C1275081	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	28	82	0.31	disputed	1	1
SHOC2	8036	Noonan sy	C1843181	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	19	3	0.31	definitive	1	7
SHOC2	8036	Hair Diseas	C0018500	group	Skin and Connective Tissue Diseases	Disease or Syndrome	17	2	0.3	NA	1	1
SHOC2	8036	Turner Syn	C0041409	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	11	0	0.3	NA	1	1
SHOC2	8036	Female Pse	C1527404	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	11	0	0.3	NA	1	1
SHOC2	8036	Noonan Sy	C4551602	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	23	83	0.3	NA	1	1
SHOC2	8036	Hypertrop	C0007194	disease	Cardiovascular Diseases	Disease or Syndrome	560	635	0.12	NA	1	2
SHOC2	8036	Multiple co	C0000772	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	251	350	0.1	NA	1	7
SHOC2	8036	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
SHOC2	8036	Dental cari	C0011334	disease	Stomatognathic Diseases	Disease or Syndrome	330	126	0.1	NA	NA	0
SHOC2	8036	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
SHOC2	8036	Congenital	C0016842	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	272	36	0.1	NA	NA	0
SHOC2	8036	Atrial Sept	C0018817	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	384	96	0.1	NA	NA	0
SHOC2	8036	Ventricular	C0018818	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	426	87	0.1	NA	NA	0
SHOC2	8036	Polyhydran	C0020224	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	208	28	0.1	NA	NA	0
SHOC2	8036	Hydrocepha	C0020255	disease	Nervous System Diseases	Disease or Syndrome	473	37	0.1	NA	NA	0
SHOC2	8036	Orbital sep	C0020534	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	590	77	0.1	NA	NA	0
SHOC2	8036	Moderate	C0026351	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	251	94	0.1	NA	NA	0
SHOC2	8036	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	1	7
SHOC2	8036	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
SHOC2	8036	Macrotia	C0152421	disease	NA	Congenital Abnormality	188	18	0.1	NA	NA	0
SHOC2	8036	Aspartate a	C0201899	phenotype	NA	Laboratory Procedure	57	76	0.1	NA	1	1
SHOC2	8036	Neck webb	C0221217	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	78	19	0.1	NA	NA	0

SHOC2	8036	Macrocepl	C0221355	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	367	10	0.1	NA	NA	0
SHOC2	8036	Brachydact	C0221357	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	325	43	0.1	NA	NA	0
SHOC2	8036	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
SHOC2	8036	Congenital	C0266617	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	114	7	0.1	NA	1	2
SHOC2	8036	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	1	2
SHOC2	8036	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.1	NA	NA	0
SHOC2	8036	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.1	NA	1	2
SHOC2	8036	Posteriorly	C0431478	disease	NA	Congenital Abnormality	176	23	0.1	NA	NA	0
SHOC2	8036	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.1	NA	1	7
SHOC2	8036	Short neck	C0521525	phenotype	NA	Finding	288	29	0.1	NA	NA	0
SHOC2	8036	Delayed bo	C0541764	phenotype	NA	Finding	295	14	0.1	NA	NA	0
SHOC2	8036	Thin lips	C0578038	phenotype	NA	Finding	99	8	0.1	NA	NA	0
SHOC2	8036	Congenital	C0678230	disease	NA	Congenital Abnormality	417	30	0.1	NA	NA	0
SHOC2	8036	hearing im	C1384666	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	740	337	0.1	NA	NA	0
SHOC2	8036	Prominent	C1837260	phenotype	NA	Finding	159	25	0.1	NA	NA	0
SHOC2	8036	Hypoplasti	C1837279	phenotype	NA	Finding	42	1	0.1	NA	NA	0
SHOC2	8036	Thick lowe	C1839739	phenotype	NA	Finding	145	10	0.1	NA	NA	0
SHOC2	8036	Deep philt	C1839797	phenotype	NA	Finding	42	5	0.1	NA	NA	0
SHOC2	8036	Anteverted	C1840077	phenotype	NA	Finding	407	35	0.1	NA	NA	0
SHOC2	8036	Short nose	C1854114	phenotype	NA	Finding	265	23	0.1	NA	NA	0
SHOC2	8036	Low poste	C1855728	phenotype	NA	Finding	86	11	0.1	NA	NA	0
SHOC2	8036	Sparse sca	C1857042	phenotype	NA	Finding	85	7	0.1	NA	NA	0
SHOC2	8036	Low-set, p	C1857486	phenotype	NA	Finding	223	19	0.1	NA	NA	0
SHOC2	8036	NOONAN S	C1860991	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	11	33	0.1	NA	1	12
SHOC2	8036	Pulmonary	C1956257	disease	Cardiovascular Diseases	Disease or Syndrome	106	40	0.1	NA	NA	0
SHOC2	8036	Pediatric fa	C2315100	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	166	122	0.1	NA	NA	0
SHOC2	8036	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
SHOC2	8036	Loose anag	C3554793	phenotype	NA	Finding	1	0	0.1	NA	NA	0
SHOC2	8036	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.1	NA	1	2
SHOC2	8036	Abnormali	C4021386	disease	NA	Anatomical Abnormality	12	1	0.1	NA	NA	0
SHOC2	8036	Abnormal	C4021815	disease	NA	Finding	40	2	0.1	NA	NA	0
SHOC2	8036	Aplasia/Hy	C4021956	phenotype	NA	Finding	52	0	0.1	NA	NA	0
SHOC2	8036	Abnormali	C4025249	disease	NA	Anatomical Abnormality	30	0	0.1	NA	NA	0
SHOC2	8036	NOONAN-l	C1834120	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	6	2	0.04	NA	1	4
SHOC2	8036	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.03	NA	1	3
SHOC2	8036	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.03	NA	0.667	3
SHOC2	8036	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.02	NA	0.5	2
SHOC2	8036	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.02	NA	1	2
SHOC2	8036	Craniosync	C0010278	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	488	90	0.02	NA	1	2
SHOC2	8036	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.02	NA	1	2
SHOC2	8036	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.02	NA	1	2
SHOC2	8036	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
SHOC2	8036	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.02	NA	1	2
SHOC2	8036	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.02	NA	0.5	2
SHOC2	8036	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.02	NA	1	2
SHOC2	8036	Hypertrop	C4551472	disease	Cardiovascular Diseases	Disease or Syndrome	233	90	0.02	NA	1	2
SHOC2	8036	Primary M	C0001815	disease	Hemic and Lymphatic Diseases	Neoplastic Process	282	29	0.01	NA	1	1
SHOC2	8036	Cardiac Arr	C0003811	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	559	111	0.01	NA	1	1
SHOC2	8036	Malignant	C0007115	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	949	103	0.01	NA	1	1
SHOC2	8036	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1

SHOC2	8036	Cleft Palate	C0008925	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	611	158	0.01	NA	1	1
SHOC2	8036	Fever	C0015967	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1021	66	0.01	NA	1	1
SHOC2	8036	Hydrops Fe	C0020305	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	92	14	0.01	NA	1	1
SHOC2	8036	Hypopituit	C0020635	disease	Nervous System Diseases; Endocrine System Diseases	Disease or Syndrome	69	4	0.01	NA	1	1
SHOC2	8036	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
SHOC2	8036	Moyamoya	C0026654	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	117	50	0.01	NA	1	1
SHOC2	8036	Myelofibro	C0026987	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Hemic and Lym	Neoplastic Process	163	7	0.01	NA	1	1
SHOC2	8036	Dermatolo	C0037274	group	Skin and Connective Tissue Diseases	Disease or Syndrome	617	21	0.01	NA	1	1
SHOC2	8036	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
SHOC2	8036	Polyarthrit	C0162323	disease	Musculoskeletal Diseases	Disease or Syndrome	65	9	0.01	NA	1	1
SHOC2	8036	Hematolog	C0376545	group	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	827	60	0.01	NA	1	1
SHOC2	8036	Secondary	C0494165	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	951	34	0.01	NA	1	1
SHOC2	8036	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
SHOC2	8036	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
SHOC2	8036	INCLUSION	C1833662	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	34	6	0.01	NA	1	1
SHOC2	8036	Cleft palate	C1837218	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	295	70	0.01	NA	1	1
SHOC2	8036	Moyamoya	C2931384	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	92	50	0.01	NA	1	1
SHOC2	8036	Uranostap	C2981150	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	190	75	0.01	NA	1	1
SHOC2	8036	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
TRIP12	9320	MENTAL R	C4540324	disease	NA	Mental or Behavioral Dysfunc	1	11	0.6	strong	1	2
TRIP12	9320	Autism Spe	C1510586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1071	331	0.32	strong	1	3
TRIP12	9320	Neurodeve	C1535926	group	Mental Disorders	Mental or Behavioral Dysfunc	535	14	0.31	NA	1	2
TRIP12	9320	Atrial Sept	C0018817	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	384	96	0.3	strong	1	1
TRIP12	9320	ATRIAL SEP	C1862389	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Disease or Syndrome	91	16	0.3	strong	1	1
TRIP12	9320	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.12	NA	1	2
TRIP12	9320	Abdominal	C0000737	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	302	18	0.1	NA	NA	0
TRIP12	9320	Aggressive	C0001807	phenotype	Behavior and Behavior Mechanisms	Individual Behavior	176	22	0.1	NA	NA	0
TRIP12	9320	Apnea	C0003578	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	262	11	0.1	NA	NA	0
TRIP12	9320	Constipatio	C0009806	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	424	57	0.1	NA	NA	0
TRIP12	9320	Drooling	C0013132	phenotype	Stomatognathic Diseases	Finding	95	14	0.1	NA	NA	0
TRIP12	9320	Glomerula	C0017654	phenotype	NA	Diagnostic Procedure	399	1033	0.1	NA	1	1
TRIP12	9320	Head Bang	C0018672	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	7	3	0.1	NA	NA	0
TRIP12	9320	Hoarsenes	C0019825	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases;	Sign or Symptom	84	3	0.1	NA	NA	0
TRIP12	9320	Orbital sep	C0020534	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	590	77	0.1	NA	NA	0
TRIP12	9320	Macroston	C0024433	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	148	11	0.1	NA	NA	0
TRIP12	9320	Micrognat	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
TRIP12	9320	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	1	21
TRIP12	9320	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	429	74	0.1	NA	NA	0
TRIP12	9320	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
TRIP12	9320	Vital capac	C0042834	phenotype	NA	Clinical Attribute	430	746	0.1	NA	1	1
TRIP12	9320	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
TRIP12	9320	Waist-Hip	C0205682	phenotype	NA	Organism Attribute	565	1138	0.1	NA	1	1
TRIP12	9320	Tachypnea	C0231835	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Finding	82	5	0.1	NA	NA	0
TRIP12	9320	Decrease i	C0232462	phenotype	Digestive System Diseases; Nervous System Diseases; Mental Disorders	Sign or Symptom	62	7	0.1	NA	NA	0
TRIP12	9320	Small for g	C0235991	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Finding	181	34	0.1	NA	NA	0
TRIP12	9320	Byzanthine	C0240635	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	497	70	0.1	NA	NA	0
TRIP12	9320	Trigonocep	C0265535	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	52	7	0.1	NA	NA	0
TRIP12	9320	Clinodacty	C0265610	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	160	7	0.1	NA	NA	0
TRIP12	9320	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
TRIP12	9320	Upward sla	C0423109	phenotype	NA	Finding	216	16	0.1	NA	NA	0

TRIP12	9320	Sunken eye	C0423224	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	171	54	0.1	NA	NA	0
TRIP12	9320	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.1	NA	NA	0
TRIP12	9320	Dysmorphi	C0424503	phenotype	NA	Finding	271	106	0.1	NA	NA	0
TRIP12	9320	Orbital sep	C0424711	phenotype	NA	Finding	89	11	0.1	NA	NA	0
TRIP12	9320	Broad thur	C0426891	phenotype	NA	Finding	67	11	0.1	NA	NA	0
TRIP12	9320	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.1	NA	1	21
TRIP12	9320	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
TRIP12	9320	Growth de	C0456070	phenotype	NA	Pathologic Function	244	40	0.1	NA	NA	0
TRIP12	9320	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
TRIP12	9320	Congenital	C0678230	disease	NA	Congenital Abnormality	417	30	0.1	NA	NA	0
TRIP12	9320	Autistic be	C0856975	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	261	78	0.1	NA	NA	0
TRIP12	9320	Systolic Pre	C0871470	phenotype	NA	Clinical Attribute	843	1931	0.1	NA	1	1
TRIP12	9320	Body mass	C1305855	phenotype	NA	Clinical Attribute	1014	2689	0.1	NA	1	1
TRIP12	9320	Intrauterin	C1386048	phenotype	NA	Pathologic Function	41	56	0.1	NA	NA	0
TRIP12	9320	Depressed	C1836542	phenotype	NA	Finding	426	39	0.1	NA	NA	0
TRIP12	9320	Thick verm	C1836543	phenotype	NA	Finding	95	15	0.1	NA	NA	0
TRIP12	9320	Narrow for	C1839758	phenotype	NA	Finding	106	20	0.1	NA	NA	0
TRIP12	9320	Sandal gap	C1840069	phenotype	NA	Finding	62	6	0.1	NA	NA	0
TRIP12	9320	Weight les	C1844806	phenotype	NA	Finding	22	27	0.1	NA	NA	0
TRIP12	9320	Widely spa	C1844813	phenotype	NA	Finding	71	10	0.1	NA	NA	0
TRIP12	9320	Short nose	C1854114	phenotype	NA	Finding	265	23	0.1	NA	NA	0
TRIP12	9320	U-Shaped (	C1856202	phenotype	NA	Finding	6	2	0.1	NA	NA	0
TRIP12	9320	Fragile nail	C1856963	phenotype	Pathological Conditions, Signs and Symptoms	Finding	27	1	0.1	NA	NA	0
TRIP12	9320	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
TRIP12	9320	Shawl scro	C1858539	phenotype	NA	Congenital Abnormality	19	2	0.1	NA	NA	0
TRIP12	9320	Postnatal g	C1859778	phenotype	NA	Finding	121	11	0.1	NA	NA	0
TRIP12	9320	Short philt	C1861324	phenotype	NA	Finding	182	25	0.1	NA	NA	0
TRIP12	9320	Long philtr	C1865014	phenotype	NA	Finding	282	16	0.1	NA	NA	0
TRIP12	9320	Broad toe	C1865038	phenotype	NA	Finding	11	2	0.1	NA	NA	0
TRIP12	9320	Downturne	C1866195	phenotype	NA	Anatomical Abnormality	122	14	0.1	NA	NA	0
TRIP12	9320	Full cheeks	C1866231	phenotype	NA	Finding	103	4	0.1	NA	NA	0
TRIP12	9320	Broad hallu	C1867131	phenotype	NA	Finding	48	14	0.1	NA	NA	0
TRIP12	9320	Failure to t	C1867873	phenotype	NA	Finding	97	12	0.1	NA	NA	0
TRIP12	9320	Pediatric fa	C2315100	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	166	122	0.1	NA	NA	0
TRIP12	9320	Narrow pa	C2675021	phenotype	NA	Finding	34	3	0.1	NA	NA	0
TRIP12	9320	Meconium	C2939175	disease	Digestive System Diseases	Disease or Syndrome	24	16	0.1	NA	NA	0
TRIP12	9320	Clinodacty	C4020740	phenotype	NA	Finding	5	4	0.1	NA	NA	0
TRIP12	9320	Round ear	C4021959	disease	NA	Anatomical Abnormality	10	4	0.1	NA	NA	0
TRIP12	9320	Hypoplasti	C4023116	disease	NA	Anatomical Abnormality	12	4	0.1	NA	NA	0
TRIP12	9320	Clinodacty	C4025741	disease	NA	Anatomical Abnormality	13	4	0.1	NA	NA	0
TRIP12	9320	Clinodacty	C4551485	disease	NA	Congenital Abnormality	148	18	0.1	NA	NA	0
TRIP12	9320	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.01	NA	1	1
TRIP12	9320	Pain	C0030193	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1554	196	0.01	NA	1	1
TRIP12	9320	Stress, Psy	C0038443	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	199	24	0.01	NA	1	1
TRIP12	9320	Temporom	C0039494	group	Musculoskeletal Diseases; Stomatognathic Diseases	Disease or Syndrome	84	25	0.01	NA	1	1
TRIP12	9320	Congenital	C0266617	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	114	7	0.01	NA	1	1
TRIP12	9320	Orthostatic	C0544618	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	3	1	0.01	NA	1	1
TRIP12	9320	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
TRIP12	9320	Learning D	C0751265	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	103	5	0.01	NA	1	1
TRIP12	9320	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.01	NA	1	1

PNKP	11284	MICROCEP	C3150667	disease	NA	Disease or Syndrome	2	10	0.75	NA	1	7
PNKP	11284	ATAXIA-OC	C4225397	disease	NA	Disease or Syndrome	1	5	0.71	NA	1	3
PNKP	11284	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.47	NA	1	7
PNKP	11284	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.41	NA	1	1
PNKP	11284	Epileptic d	C0270846	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	143	6	0.4	NA	1	1
PNKP	11284	Tonic - clo	C0494475	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	300	32	0.4	NA	1	1
PNKP	11284	Absence Se	C4316903	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	205	8	0.4	NA	1	1
PNKP	11284	Developme	C0008073	group	Mental Disorders	Mental or Behavioral Dysfunc	355	19	0.3	NA	1	1
PNKP	11284	Jacksonian	C0022333	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	102	0	0.3	NA	1	1
PNKP	11284	Child Deve	C0085996	disease	Mental Disorders	Mental or Behavioral Dysfunc	29	0	0.3	NA	1	1
PNKP	11284	Child Deve	C0085997	disease	Mental Disorders	Mental or Behavioral Dysfunc	30	0	0.3	NA	1	1
PNKP	11284	Complex p	C0149958	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	140	5	0.3	NA	1	1
PNKP	11284	Generalize	C0234533	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	210	13	0.3	NA	1	1
PNKP	11284	Clonic Seiz	C0234535	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	122	0	0.3	NA	1	1
PNKP	11284	DNA Repai	C0268134	phenotype	Nutritional and Metabolic Diseases	Pathologic Function	2	0	0.3	NA	1	1
PNKP	11284	Visual seiz	C0270824	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	209	0	0.3	NA	1	1
PNKP	11284	Tonic Seizu	C0270844	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	108	0	0.3	NA	1	1
PNKP	11284	Early infan	C0393706	disease	Nervous System Diseases	Disease or Syndrome	81	10	0.3	NA	1	1
PNKP	11284	Seizures, S	C0422850	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Pathologic Function	102	0	0.3	NA	1	1
PNKP	11284	Seizures, A	C0422852	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Pathologic Function	102	0	0.3	NA	1	1
PNKP	11284	Olfactory s	C0422853	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	102	0	0.3	NA	1	1
PNKP	11284	Gustatory	C0422854	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	102	0	0.3	NA	1	1
PNKP	11284	Vertiginou	C0422855	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	102	0	0.3	NA	1	1
PNKP	11284	Non-epilep	C0751056	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	102	0	0.3	NA	1	1
PNKP	11284	Single Seiz	C0751110	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	102	0	0.3	NA	1	1
PNKP	11284	Atonic Abs	C0751123	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	102	0	0.3	NA	1	1
PNKP	11284	Convulsive	C0751494	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	117	0	0.3	NA	1	1
PNKP	11284	Seizures, F	C0751495	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	210	15	0.3	NA	1	1
PNKP	11284	Seizures, S	C0751496	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	102	0	0.3	NA	1	1
PNKP	11284	DNA Repai	C1563696	group	Nutritional and Metabolic Diseases	Disease or Syndrome	2	0	0.3	NA	1	1
PNKP	11284	Chromoso	C1563697	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	6	0	0.3	NA	1	1
PNKP	11284	Microlisse	C1956147	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	40	1	0.3	NA	1	1
PNKP	11284	Nonepilept	C3495874	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	102	0	0.3	NA	1	1
PNKP	11284	Severe Cor	C3853041	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome; Conger	35	0	0.3	NA	1	1
PNKP	11284	Convulsion	C4048158	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	174	4	0.3	NA	1	1
PNKP	11284	Epileptic S	C4317109	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	250	7	0.3	NA	1	1
PNKP	11284	Myoclonic	C4317123	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	123	3	0.3	NA	1	1
PNKP	11284	Generalize	C4505436	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	102	0	0.3	NA	1	1
PNKP	11284	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.15	NA	1	5
PNKP	11284	ATAXIA, EA	C1859598	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	20	19	0.13	NA	1	3
PNKP	11284	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.12	NA	1	2
PNKP	11284	Oculovesti	C0271270	disease	Eye Diseases; Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	87	3	0.11	NA	1	1
PNKP	11284	Primary m	C0431350	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	39	9	0.11	NA	1	1
PNKP	11284	Oculomoto	C3489733	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	92	14	0.11	NA	1	1
PNKP	11284	Cleft Palat	C0008925	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	611	158	0.1	NA	NA	0
PNKP	11284	Febrile Cor	C0009952	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	192	65	0.1	NA	NA	0
PNKP	11284	Dysarthria	C0013362	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	487	54	0.1	NA	NA	0
PNKP	11284	Dyskinetic	C0013384	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	316	42	0.1	NA	NA	0
PNKP	11284	Dystonia	C0013421	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	453	97	0.1	NA	NA	0
PNKP	11284	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0

PNKP	11284	Ventricular	C0018818	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	426	87	0.1	NA	NA	0
PNKP	11284	Hypesthes	C0020580	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	33	6	0.1	NA	NA	0
PNKP	11284	Movement	C0026650	group	Nervous System Diseases	Disease or Syndrome	362	247	0.1	NA	1	8
PNKP	11284	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	580	48	0.1	NA	NA	0
PNKP	11284	Muscular D	C0026850	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	280	67	0.1	NA	NA	0
PNKP	11284	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.1	NA	NA	0
PNKP	11284	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.1	NA	NA	0
PNKP	11284	Precocious	C0034013	disease	Endocrine System Diseases	Disease or Syndrome	139	20	0.1	NA	NA	0
PNKP	11284	Quadripleg	C0034372	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	57	3	0.1	NA	NA	0
PNKP	11284	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	429	74	0.1	NA	NA	0
PNKP	11284	Sleep distu	C0037317	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	311	74	0.1	NA	NA	0
PNKP	11284	West Synd	C0037769	disease	Nervous System Diseases	Disease or Syndrome	149	28	0.1	NA	NA	0
PNKP	11284	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
PNKP	11284	Talipes cav	C0039273	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	213	2	0.1	NA	NA	0
PNKP	11284	Tremor	C0040822	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	528	52	0.1	NA	NA	0
PNKP	11284	Ureterocel	C0041960	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Acquired Abnormality	26	1	0.1	NA	NA	0
PNKP	11284	Self-Injuric	C0085271	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	91	9	0.1	NA	NA	0
PNKP	11284	Choreoath	C0085583	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	94	9	0.1	NA	NA	0
PNKP	11284	Absent ref	C0234146	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	201	16	0.1	NA	NA	0
PNKP	11284	Abnormal	C0234649	disease	NA	Anatomical Abnormality	17	1	0.1	NA	NA	0
PNKP	11284	Renal Cell	C0235831	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Disease or Syndrome	81	3	0.1	NA	NA	0
PNKP	11284	Short finge	C0239594	phenotype	NA	Finding	37	1	0.1	NA	NA	0
PNKP	11284	Reduced c	C0262630	phenotype	Behavior and Behavior Mechanisms	Finding	77	2	0.1	NA	NA	0
PNKP	11284	Pachygyria	C0266483	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	129	8	0.1	NA	NA	0
PNKP	11284	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
PNKP	11284	Hypoplasia	C0344482	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Congenital Abnormality	385	49	0.1	NA	NA	0
PNKP	11284	Congenital	C0345392	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	151	2	0.1	NA	NA	0
PNKP	11284	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.1	NA	NA	0
PNKP	11284	Dyslexia	C0476254	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	118	30	0.1	NA	NA	0
PNKP	11284	Clumsiness	C0520947	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	393	2	0.1	NA	NA	0
PNKP	11284	Skeletal m	C0541794	phenotype	NA	Pathologic Function	306	12	0.1	NA	NA	0
PNKP	11284	Epileptic e	C0543888	disease	Nervous System Diseases	Disease or Syndrome	187	126	0.1	NA	NA	0
PNKP	11284	Kyphoscoli	C0575158	disease	Musculoskeletal Diseases	Anatomical Abnormality	155	17	0.1	NA	NA	0
PNKP	11284	Diffuse cer	C0598275	phenotype	Nervous System Diseases; Mental Disorders	Finding	34	2	0.1	NA	NA	0
PNKP	11284	Acquired K	C0600033	disease	Musculoskeletal Diseases	Acquired Abnormality	149	2	0.1	NA	NA	0
PNKP	11284	Hypsarrhyt	C0684276	phenotype	Nervous System Diseases	Finding	152	7	0.1	NA	NA	0
PNKP	11284	Dyssomnia	C0700201	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	236	10	0.1	NA	NA	0
PNKP	11284	Cerebellar	C0740279	disease	NA	Disease or Syndrome	321	67	0.1	NA	NA	0
PNKP	11284	Sleep Diso	C0851578	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	360	38	0.1	NA	NA	0
PNKP	11284	Autistic be	C0856975	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	261	78	0.1	NA	NA	0
PNKP	11284	Dyscalculia	C0869474	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	20	0	0.1	NA	NA	0
PNKP	11284	Sensorimo	C1112256	disease	NA	Disease or Syndrome	93	21	0.1	NA	NA	0
PNKP	11284	Delayed m	C1277241	phenotype	Mental Disorders	Finding	112	6	0.1	NA	NA	0
PNKP	11284	Congenital	C1306503	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Congenital Abnormality	235	0	0.1	NA	NA	0
PNKP	11284	Penis agen	C1387005	disease	Male Urogenital Diseases	Congenital Abnormality	217	11	0.1	NA	NA	0
PNKP	11284	Cerebral ve	C1531647	phenotype	Nervous System Diseases	Finding	410	0	0.1	NA	NA	0
PNKP	11284	Episodic At	C1720189	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	36	9	0.1	NA	NA	0
PNKP	11284	Poor head	C1836038	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	162	13	0.1	NA	NA	0
PNKP	11284	Distal lowe	C1836450	phenotype	NA	Finding	49	11	0.1	NA	NA	0
PNKP	11284	Generalize	C1836508	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	30	3	0.1	NA	NA	0

PNKP	11284	Depressed	C1836542	phenotype	NA	Finding	426	39	0.1	NA	NA	0
PNKP	11284	Developme	C1836830	disease	Mental Disorders	Disease or Syndrome	333	80	0.1	NA	NA	0
PNKP	11284	Rapidly pro	C1838681	phenotype	NA	Finding	38	0	0.1	NA	NA	0
PNKP	11284	Anteverted	C1840077	phenotype	NA	Finding	407	35	0.1	NA	NA	0
PNKP	11284	Postural in	C1843921	phenotype	Nervous System Diseases	Finding	60	5	0.1	NA	NA	0
PNKP	11284	Hypoplasti	C1844548	phenotype	NA	Finding	39	3	0.1	NA	NA	0
PNKP	11284	Broad finge	C1844906	phenotype	NA	Finding	17	0	0.1	NA	NA	0
PNKP	11284	Progressive	C1850456	phenotype	NA	Finding	67	4	0.1	NA	NA	0
PNKP	11284	Motor dela	C1854301	phenotype	Mental Disorders	Finding	384	34	0.1	NA	NA	0
PNKP	11284	Sloping for	C1857679	phenotype	NA	Finding	149	5	0.1	NA	NA	0
PNKP	11284	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
PNKP	11284	Infantile m	C1860834	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	118	24	0.1	NA	NA	0
PNKP	11284	EEG with b	C1969156	phenotype	NA	Finding	19	0	0.1	NA	NA	0
PNKP	11284	Abnormalit	C2674738	group	Musculoskeletal Diseases	Anatomical Abnormality	6	1	0.1	NA	NA	0
PNKP	11284	Cortical gy	C2749675	phenotype	NA	Finding	39	2	0.1	NA	NA	0
PNKP	11284	EPILEPTIC	C3150988	disease	NA	Disease or Syndrome	2	6	0.1	NA	1	5
PNKP	11284	Dilated ver	C3278923	phenotype	NA	Finding	427	32	0.1	NA	NA	0
PNKP	11284	Renal dysp	C3536714	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	95	3	0.1	NA	NA	0
PNKP	11284	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
PNKP	11284	Absent thu	C4022849	phenotype	NA	Finding	15	0	0.1	NA	NA	0
PNKP	11284	Uni- and bi	C4023484	phenotype	NA	Finding	14	0	0.1	NA	NA	0
PNKP	11284	Generalize	C4023499	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	18	0	0.1	NA	NA	0
PNKP	11284	EEG with s	C4023683	phenotype	NA	Finding	23	1	0.1	NA	NA	0
PNKP	11284	Broad phal	C4023986	phenotype	NA	Anatomical Abnormality	17	0	0.1	NA	NA	0
PNKP	11284	Progressive	C4024613	disease	NA	Disease or Syndrome	5	1	0.1	NA	NA	0
PNKP	11284	Diffuse wh	C4024923	disease	Pathological Conditions, Signs and Symptoms	Anatomical Abnormality	34	4	0.1	NA	NA	0
PNKP	11284	Focal seizu	C4049830	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	25	0	0.1	NA	NA	0
PNKP	11284	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
PNKP	11284	Peripheral	C4721453	group	Nervous System Diseases	Disease or Syndrome	549	69	0.1	NA	NA	0
PNKP	11284	Cerebellar	C0007758	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	441	120	0.07	NA	1	7
PNKP	11284	SPINOCERE	C1853761	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	21	27	0.05	NA	1	5
PNKP	11284	nervous sy	C0027765	group	Nervous System Diseases	Disease or Syndrome	977	39	0.03	NA	1	3
PNKP	11284	Polyneurop	C0152025	disease	Nervous System Diseases	Disease or Syndrome	156	32	0.03	NA	1	3
PNKP	11284	Ataxia Tela	C0004135	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	384	698	0.02	NA	1	2
PNKP	11284	Charcot-M	C0007959	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	208	136	0.02	NA	1	2
PNKP	11284	Machado-J	C0024408	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	135	12	0.02	NA	1	2
PNKP	11284	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.02	NA	1	2
PNKP	11284	Neurodege	C0524851	group	Nervous System Diseases	Disease or Syndrome	1515	85	0.02	NA	1	2
PNKP	11284	Congenital	C2677180	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	51	29	0.02	NA	1	2
PNKP	11284	Adenoma	C0001430	group	Neoplasms	Neoplastic Process	1183	103	0.01	NA	0	1
PNKP	11284	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
PNKP	11284	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.01	NA	1	1
PNKP	11284	Huntingtor	C0020179	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	978	115	0.01	NA	1	1
PNKP	11284	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
PNKP	11284	Pain	C0030193	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1554	196	0.01	NA	1	1
PNKP	11284	Ataxia, Spi	C0087012	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	156	4	0.01	NA	1	1
PNKP	11284	Cerebellar	C0262404	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	60	0	0.01	NA	1	1
PNKP	11284	Seckel synd	C0265202	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Disease or Syndrome	56	3	0.01	NA	1	1
PNKP	11284	Axonal neu	C0270921	disease	Nervous System Diseases	Disease or Syndrome	59	13	0.01	NA	1	1
PNKP	11284	Adult Piloc	C0280781	disease	Neoplasms	Neoplastic Process	92	10	0.01	NA	1	1

PNKP	11284	Pilocytic As	C0334583	disease	Neoplasms	Neoplastic Process	163	14	0.01	NA	1	1
PNKP	11284	Pilocytic as	C0349620	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	4	3	0.01	NA	1	1
PNKP	11284	Progressive	C0393525	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	136	23	0.01	NA	1	1
PNKP	11284	Benign Her	C0393584	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	13	7	0.01	NA	1	1
PNKP	11284	Progressive	C0699734	disease	NA	Disease or Syndrome	3	0	0.01	NA	1	1
PNKP	11284	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.01	NA	1	1
PNKP	11284	West Nile V	C1096184	disease	Infections; Nervous System Diseases	Disease or Syndrome	164	2	0.01	NA	1	1
PNKP	11284	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
PNKP	11284	Childhood	C1332995	disease	Neoplasms	Neoplastic Process	97	10	0.01	NA	1	1
PNKP	11284	Neurodeve	C1535926	group	Mental Disorders	Mental or Behavioral Dysfunc	535	14	0.01	NA	1	1
PNKP	11284	Fleck corne	C1562113	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Disease or Syndrome	104	12	0.01	NA	1	1
PNKP	11284	Charcot-M	C1854150	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	5	1	0.01	NA	1	1
PNKP	11284	Multiple Cl	C3266262	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	929	42	0.01	NA	1	1
DOCK10	55619	Liver Cirrh	C0023893	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Experimental Model of Diseas	870	0	0.3	NA	1	1
DOCK10	55619	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.1	NA	1	1
DOCK10	55619	White Bloo	C0023508	phenotype	NA	Laboratory Procedure	681	1322	0.1	NA	1	1
DOCK10	55619	Monocyte	C0200637	phenotype	NA	Laboratory Procedure	139	296	0.1	NA	1	1
DOCK10	55619	Monocyte	C0750880	phenotype	NA	Laboratory or Test Result	139	296	0.1	NA	1	1
DOCK10	55619	Platelet Co	C3828530	phenotype	NA	Laboratory Procedure	134	200	0.1	NA	1	1
DOCK10	55619	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.01	NA	1	1
DOCK10	55619	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
DOCK10	55619	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
PRR14	78994	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.02	NA	1	2
PRR14	78994	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
PRR14	78994	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.02	NA	1	2
PRR14	78994	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.02	NA	1	2
PRR14	78994	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.01	NA	1	1
PRR14	78994	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
PRR14	78994	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
PRR14	78994	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.01	NA	1	1
PRR14	78994	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
ACO2	50	INFANTILE	C3281192	disease	NA	Disease or Syndrome	2	7	0.74	NA	1	5
ACO2	50	OPTIC ATR	C4225384	disease	NA	Disease or Syndrome	2	2	0.7	strong	1	2
ACO2	50	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.31	NA	1	2
ACO2	50	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.3	NA	NA	0
ACO2	50	Respirator	C0035222	disease	Respiratory Tract Diseases	Disease or Syndrome	434	60	0.3	NA	1	1
ACO2	50	Optic Atro	C0029124	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	568	51	0.12	NA	1	2
ACO2	50	Cerebellar	C0740279	disease	NA	Disease or Syndrome	321	67	0.12	NA	1	2
ACO2	50	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
ACO2	50	Athetosis	C0004158	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	39	3	0.1	NA	NA	0
ACO2	50	Crohn Dise	C0010346	disease	Digestive System Diseases	Disease or Syndrome	1382	1147	0.1	NA	1	1
ACO2	50	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0
ACO2	50	Movement	C0026650	group	Nervous System Diseases	Disease or Syndrome	362	247	0.1	NA	1	4
ACO2	50	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
ACO2	50	Pallor	C0030232	phenotype	Pathological Conditions, Signs and Symptoms	Finding	124	4	0.1	NA	NA	0
ACO2	50	Respirator	C0035242	group	Respiratory Tract Diseases	Disease or Syndrome	198	109	0.1	NA	1	1
ACO2	50	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
ACO2	50	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	429	74	0.1	NA	NA	0
ACO2	50	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
ACO2	50	Arachnoid	C0078981	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Disease or Syndrome	31	6	0.1	NA	NA	0

ACO2	50	Hyporeflex	C0151888	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	312	0	0.1	NA	NA	0
ACO2	50	Color Blind	C0155016	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	24	0	0.1	NA	NA	0
ACO2	50	Frontal bos	C0221354	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	321	22	0.1	NA	NA	0
ACO2	50	Absent ref	C0234146	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	201	16	0.1	NA	NA	0
ACO2	50	Reduced v	C0234632	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	147	10	0.1	NA	NA	0
ACO2	50	Peripheral	C0270922	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	95	14	0.1	NA	NA	0
ACO2	50	Scotoma, F	C0271197	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	2	0	0.1	NA	NA	0
ACO2	50	Hypoplasia	C0344482	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	385	49	0.1	NA	NA	0
ACO2	50	Downward	C0423110	phenotype	NA	Finding	391	49	0.1	NA	NA	0
ACO2	50	Ataxia, Tru	C0427190	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	68	13	0.1	NA	NA	0
ACO2	50	Sensorineu	C0452138	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	117	30	0.1	NA	NA	0
ACO2	50	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
ACO2	50	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.1	NA	1	1
ACO2	50	Retinal Dys	C0854723	group	Eye Diseases	Disease or Syndrome	219	227	0.1	NA	NA	0
ACO2	50	Severe glo	C1837397	phenotype	NA	Finding	130	50	0.1	NA	NA	0
ACO2	50	Progressive	C1850456	phenotype	NA	Finding	67	4	0.1	NA	NA	0
ACO2	50	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
ACO2	50	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
ACO2	50	Myoclonic	C3806442	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	10	2	0.1	NA	NA	0
ACO2	50	Appendicu	C4022919	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	8	8	0.1	NA	NA	0
ACO2	50	Cerebral co	C4551583	disease	NA	Disease or Syndrome	271	13	0.1	NA	NA	0
ACO2	50	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
ACO2	50	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.04	NA	1	4
ACO2	50	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.04	NA	1	4
ACO2	50	Neurodege	C0524851	group	Nervous System Diseases	Disease or Syndrome	1515	85	0.03	NA	1	3
ACO2	50	Disorder o	C0029132	group	Eye Diseases; Nervous System Diseases	Disease or Syndrome	112	2	0.02	NA	1	2
ACO2	50	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.02	NA	1	2
ACO2	50	Optic Neur	C3887709	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	54	8	0.02	NA	1	2
ACO2	50	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.01	NA	1	1
ACO2	50	Bipolar Dis	C0005586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1183	839	0.01	NA	0	1
ACO2	50	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
ACO2	50	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.01	NA	1	1
ACO2	50	Cystic Fibr	C0010674	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	852	704	0.01	NA	1	1
ACO2	50	Huntingtor	C0020179	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	978	115	0.01	NA	1	1
ACO2	50	insulinoma	C0021670	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	258	8	0.01	NA	1	1
ACO2	50	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.01	NA	1	1
ACO2	50	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
ACO2	50	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
ACO2	50	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
ACO2	50	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
ACO2	50	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
ACO2	50	Pulmonary	C0034069	disease	Respiratory Tract Diseases	Disease or Syndrome	924	25	0.01	NA	1	1
ACO2	50	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.01	NA	1	1
ACO2	50	Optic Atro	C0338508	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	117	45	0.01	NA	1	1
ACO2	50	Fumarase (	C0342770	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	5	90	0.01	NA	1	1
ACO2	50	Depletion (	C0342782	disease	NA	Disease or Syndrome	36	7	0.01	NA	1	1
ACO2	50	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
ACO2	50	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
ACO2	50	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
ACO2	50	Malignant	C0740457	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	664	22	0.01	NA	1	1

ACO2	50	Renal carc	C1378703	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	665	21	0.01	NA	1	1
ACO2	50	FRIEDREIC	C1856689	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	119	24	0.01	NA	1	1
ACO2	50	OPTIC ATR	C3276549	disease	NA	Disease or Syndrome	14	22	0.01	NA	1	1
ACO2	50	PACHYONY	C3714948	disease	NA	Disease or Syndrome	209	20	0.01	NA	1	1
ACO2	50	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
ALG12	79087	Congenital	C2931001	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	1	10	0.71	NA	1	7
ALG12	79087	Congenital	C0009081	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	285	44	0.1	NA	NA	0
ALG12	79087	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
ALG12	79087	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.1	NA	NA	0
ALG12	79087	Edema	C0013604	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	126	1	0.1	NA	NA	0
ALG12	79087	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0
ALG12	79087	Foramen C	C0016522	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	73	14	0.1	NA	NA	0
ALG12	79087	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	783	111	0.1	NA	NA	0
ALG12	79087	Polyhydran	C0020224	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	208	28	0.1	NA	NA	0
ALG12	79087	Hypocalcer	C0020598	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	94	13	0.1	NA	NA	0
ALG12	79087	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	NA	0
ALG12	79087	Respirator	C0035243	group	Infections; Respiratory Tract Diseases	Disease or Syndrome	187	10	0.1	NA	NA	0
ALG12	79087	Retinal Det	C0035305	disease	Eye Diseases	Disease or Syndrome	148	10	0.1	NA	NA	0
ALG12	79087	Feeding dif	C0232466	phenotype	NA	Finding	473	62	0.1	NA	NA	0
ALG12	79087	Small for g	C0235991	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Finding	181	34	0.1	NA	NA	0
ALG12	79087	Partial thro	C0240671	phenotype	NA	Finding	18	1	0.1	NA	NA	0
ALG12	79087	Inversion o	C0269269	disease	Skin and Connective Tissue Diseases	Anatomical Abnormality	27	7	0.1	NA	NA	0
ALG12	79087	Small for g	C0302511	phenotype	Pathological Conditions, Signs and Symptoms	Finding	156	0	0.1	NA	NA	0
ALG12	79087	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
ALG12	79087	Congenital	C0345375	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	22	3	0.1	NA	NA	0
ALG12	79087	Motor reta	C0424230	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Finding	98	8	0.1	NA	NA	0
ALG12	79087	Dysmorphi	C0424503	phenotype	NA	Finding	271	106	0.1	NA	NA	0
ALG12	79087	Wide nose	C0426421	phenotype	NA	Finding	87	1	0.1	NA	NA	0
ALG12	79087	Short ribs	C0426817	phenotype	NA	Finding	60	27	0.1	NA	NA	0
ALG12	79087	Hypoplasia	C0431659	phenotype	NA	Congenital Abnormality	57	3	0.1	NA	NA	0
ALG12	79087	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
ALG12	79087	Congenital	C0685381	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	37	5	0.1	NA	NA	0
ALG12	79087	Abnormali	C0744356	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Finding	36	4	0.1	NA	NA	0
ALG12	79087	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.1	NA	NA	0
ALG12	79087	Abnormali	C0857379	phenotype	NA	Finding	85	9	0.1	NA	NA	0
ALG12	79087	Penis agen	C1387005	disease	Male Urogenital Diseases	Congenital Abnormality	217	11	0.1	NA	NA	0
ALG12	79087	Short hum	C1832117	phenotype	NA	Congenital Abnormality	24	0	0.1	NA	NA	0
ALG12	79087	Sandal gap	C1840069	phenotype	NA	Finding	62	6	0.1	NA	NA	0
ALG12	79087	Butterfly v	C1844752	phenotype	NA	Congenital Abnormality	13	2	0.1	NA	NA	0
ALG12	79087	Short tibia	C1850259	phenotype	NA	Finding	17	0	0.1	NA	NA	0
ALG12	79087	Progressive	C1850456	phenotype	NA	Finding	67	4	0.1	NA	NA	0
ALG12	79087	Midface re	C1853242	phenotype	NA	Finding	228	0	0.1	NA	NA	0
ALG12	79087	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
ALG12	79087	Short philt	C1861324	phenotype	NA	Finding	182	25	0.1	NA	NA	0
ALG12	79087	Thin upper	C1865017	phenotype	NA	Finding	211	25	0.1	NA	NA	0
ALG12	79087	Rhizomelia	C1866730	disease	NA	Congenital Abnormality	57	6	0.1	NA	NA	0
ALG12	79087	Recurrent	C3806482	phenotype	Infections; Respiratory Tract Diseases	Finding	318	7	0.1	NA	NA	0
ALG12	79087	Abnormali	C4023616	phenotype	NA	Pathologic Function	42	1	0.1	NA	NA	0
ALG12	79087	Decreased	C4048270	phenotype	NA	Finding	75	5	0.1	NA	NA	0
ALG12	79087	Congenital	C0282577	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	102	38	0.04	NA	1	4

ALG12	79087	Congenital	C0027612	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Disease or Syndrome; Conger	12	0	0.01	NA	1	1
ALG12	79087	Retinitis Pi	C0035334	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	546	541	0.01	NA	1	1
ALG12	79087	CONGENIT	C1837396	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	4	7	0.01	NA	1	1
ALG12	79087	Congenital	C4317295	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	19	0	0.01	NA	1	1
SPATA6L	55064	Red Blood	C0014772	phenotype	NA	Laboratory Procedure	717	1599	0.1	NA	1	1
SPATA6L	55064	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.1	NA	1	1
SPATA6L	55064	White Bloo	C0023508	phenotype	NA	Laboratory Procedure	681	1322	0.1	NA	1	1
SPATA6L	55064	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.1	NA	1	1
SPATA6L	55064	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.1	NA	1	1
SPATA6L	55064	Finding of	C1261502	phenotype	NA	Finding	653	1206	0.1	NA	1	1
SPATA6L	55064	Dicarboxyl	C1857253	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	2	2	0.1	NA	NA	0
CLPTM1	1209	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.3	NA	1	1
CLPTM1	1209	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.3	NA	1	1
CLPTM1	1209	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.1	NA	1	3
CLPTM1	1209	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.04	NA	1	4
CLPTM1	1209	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.04	NA	1	4
CLPTM1	1209	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.04	NA	1	4
CLPTM1	1209	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.03	NA	1	3
CLPTM1	1209	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
CLPTM1	1209	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
CLPTM1	1209	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
CLPTM1	1209	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.01	NA	1	1
CLPTM1	1209	Cleft palat	C0158646	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	119	43	0.01	NA	1	1
CLPTM1	1209	Cleft Lip w	C0810364	disease	NA	Congenital Abnormality	99	50	0.01	NA	1	1
CLPTM1	1209	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
BRIP1	83990	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.8	NA	0.951	81
BRIP1	83990	FANCONI A	C1836860	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	3	141	0.76	definitive	1	61
BRIP1	83990	Fanconi An	C0015625	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	394	173	0.7	strong	0.957	46
BRIP1	83990	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.7	NA	0.95	60
BRIP1	83990	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.7	NA	0.909	11
BRIP1	83990	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.5	strong	1	1
BRIP1	83990	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.5	strong	1	1
BRIP1	83990	Neoplasm	C0496956	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	41	0	0.5	strong	1	1
BRIP1	83990	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.49	NA	0.974	39
BRIP1	83990	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.45	NA	1	5
BRIP1	83990	Hereditary	C0677776	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	74	2117	0.41	NA	1	14
BRIP1	83990	Bone marr	C1855710	phenotype	NA	Finding	64	5	0.4	strong	1	1
BRIP1	83990	MYELODYS	C3463824	group	Hemic and Lymphatic Diseases	Neoplastic Process	1033	95	0.4	strong	1	1
BRIP1	83990	Acute mon	C0023465	disease	Neoplasms	Neoplastic Process	633	22	0.3	strong	1	1
BRIP1	83990	Pancytope	C0030312	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	253	15	0.3	strong	1	1
BRIP1	83990	Miller Diek	C0265219	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	182	9	0.3	strong	1	1
BRIP1	83990	Malignant	C0278996	disease	Neoplasms	Neoplastic Process	767	118	0.3	strong	NA	0
BRIP1	83990	Breast ade	C0858252	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	219	7	0.3	NA	NA	0
BRIP1	83990	Mammary	C1257931	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	527	0	0.3	NA	NA	0
BRIP1	83990	Abnormali	C4228778	phenotype	NA	Finding	34	0	0.3	strong	1	1
BRIP1	83990	Mammary	C4704874	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	545	0	0.3	NA	NA	0
BRIP1	83990	Liver Failur	C0162557	disease	Digestive System Diseases	Disease or Syndrome	282	21	0.2	NA	1	1
BRIP1	83990	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.13	NA	1	3
BRIP1	83990	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.12	NA	1	2
BRIP1	83990	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.11	NA	1	2

BRIP1	83990	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.11	NA	1	1
BRIP1	83990	Anus, Impe	C0003466	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Congenital Abnormality	139	9	0.1	NA	NA	0
BRIP1	83990	Congenital	C0003857	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	163	23	0.1	NA	NA	0
BRIP1	83990	Astigmatis	C0004106	disease	Eye Diseases	Disease or Syndrome	148	45	0.1	NA	NA	0
BRIP1	83990	Azoosperm	C0004509	disease	Male Urogenital Diseases	Disease or Syndrome	254	70	0.1	NA	NA	0
BRIP1	83990	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
BRIP1	83990	Noninfiltra	C0007124	disease	Neoplasms	Neoplastic Process	486	13	0.1	NA	NA	0
BRIP1	83990	Hypertropl	C0007194	disease	Cardiovascular Diseases	Disease or Syndrome	560	635	0.1	NA	NA	0
BRIP1	83990	Choanal At	C0008297	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Respirat	Congenital Abnormality	104	7	0.1	NA	NA	0
BRIP1	83990	Cleft Palat	C0008925	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	611	158	0.1	NA	NA	0
BRIP1	83990	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
BRIP1	83990	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.1	NA	NA	0
BRIP1	83990	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
BRIP1	83990	Red Blood	C0014772	phenotype	NA	Laboratory Procedure	717	1599	0.1	NA	1	1
BRIP1	83990	Exophthalr	C0015300	disease	Eye Diseases	Disease or Syndrome	225	12	0.1	NA	NA	0
BRIP1	83990	Fetal Grow	C0015934	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1037	21	0.1	NA	NA	0
BRIP1	83990	Flatfoot	C0016202	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	285	38	0.1	NA	NA	0
BRIP1	83990	Atrial Sept	C0018817	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	384	96	0.1	NA	NA	0
BRIP1	83990	Hirschspru	C0019569	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	384	162	0.1	NA	NA	0
BRIP1	83990	Hydroceph	C0020255	disease	Nervous System Diseases	Disease or Syndrome	473	37	0.1	NA	NA	0
BRIP1	83990	Orbital sep	C0020534	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	590	77	0.1	NA	NA	0
BRIP1	83990	Hypogonad	C0020619	disease	Endocrine System Diseases	Disease or Syndrome	305	24	0.1	NA	NA	0
BRIP1	83990	Leukopeni	C0023530	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	440	153	0.1	NA	NA	0
BRIP1	83990	Meckel Div	C0025037	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	63	0	0.1	NA	NA	0
BRIP1	83990	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
BRIP1	83990	Micrognat	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
BRIP1	83990	Microphth	C0026010	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	337	40	0.1	NA	NA	0
BRIP1	83990	Myelodysp	C0026985	disease	NA	Congenital Abnormality	181	4	0.1	NA	NA	0
BRIP1	83990	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	10
BRIP1	83990	Neoplastic	C0027672	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	88	6387	0.1	NA	1	56
BRIP1	83990	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
BRIP1	83990	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.1	NA	NA	0
BRIP1	83990	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
BRIP1	83990	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
BRIP1	83990	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
BRIP1	83990	Tetralogy o	C0039685	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	274	83	0.1	NA	NA	0
BRIP1	83990	Thrombocy	C0040034	phenotype	Hemic and Lymphatic Diseases	Disease or Syndrome	592	110	0.1	NA	NA	0
BRIP1	83990	Tracheoes	C0040588	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases;	Anatomical Abnormality	80	0	0.1	NA	NA	0
BRIP1	83990	Oligohydra	C0079924	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	129	21	0.1	NA	NA	0
BRIP1	83990	Spina Bifid	C0080178	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	179	61	0.1	NA	NA	0
BRIP1	83990	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.1	NA	NA	0
BRIP1	83990	Cranial ner	C0151311	disease	Nervous System Diseases	Disease or Syndrome	81	1	0.1	NA	NA	0
BRIP1	83990	Decreased	C0151640	phenotype	Male Urogenital Diseases	Finding	30	0	0.1	NA	NA	0
BRIP1	83990	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
BRIP1	83990	Syndactyly	C0221352	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	171	12	0.1	NA	NA	0
BRIP1	83990	Frontal bos	C0221354	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	321	22	0.1	NA	NA	0
BRIP1	83990	Long narro	C0221358	disease	NA	Congenital Abnormality	154	26	0.1	NA	NA	0
BRIP1	83990	Stenosis of	C0238093	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Anatomical Abnormality	29	1	0.1	NA	NA	0
BRIP1	83990	Byzanthine	C0240635	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	497	70	0.1	NA	NA	0
BRIP1	83990	Triphalang	C0241397	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	56	15	0.1	NA	NA	0

BRIP1	83990	Recurrent	C0262655	disease	Female Urogenital Diseases and Pregnancy Complications; Infections; Ma	Disease or Syndrome	237	21	0.1	NA	NA	0
BRIP1	83990	Syndactyly	C0265660	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	129	11	0.1	NA	NA	0
BRIP1	83990	Bicornuate	C0266387	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	44	0	0.1	NA	NA	0
BRIP1	83990	Congenital	C0266589	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	137	5	0.1	NA	NA	0
BRIP1	83990	Pyridoxine	C0272027	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	24	0	0.1	NA	NA	0
BRIP1	83990	Abnormali	C0281842	phenotype	NA	Anatomical Abnormality	22	0	0.1	NA	NA	0
BRIP1	83990	Absent tes	C0342526	phenotype	NA	Finding	24	0	0.1	NA	NA	0
BRIP1	83990	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
BRIP1	83990	Upward sla	C0423109	phenotype	NA	Finding	216	16	0.1	NA	NA	0
BRIP1	83990	Short palp	C0423112	phenotype	NA	Finding	91	16	0.1	NA	NA	0
BRIP1	83990	Dilatation	C0521620	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Anatomical Abnormality	72	2	0.1	NA	NA	0
BRIP1	83990	Somatic m	C0544886	phenotype	NA	Cell or Molecular Dysfunction	151	0	0.1	NA	NA	0
BRIP1	83990	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
BRIP1	83990	Congenital	C0678230	disease	NA	Congenital Abnormality	417	30	0.1	NA	NA	0
BRIP1	83990	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.1	NA	NA	0
BRIP1	83990	Finding of	C1261502	phenotype	NA	Finding	653	1206	0.1	NA	1	1
BRIP1	83990	Weight de	C1262477	phenotype	Pathological Conditions, Signs and Symptoms	Finding	271	3	0.1	NA	NA	0
BRIP1	83990	Congenital	C1306503	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	235	0	0.1	NA	NA	0
BRIP1	83990	Facial asyn	C1306710	phenotype	Pathological Conditions, Signs and Symptoms	Finding	109	13	0.1	NA	NA	0
BRIP1	83990	hearing im	C1384666	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	740	337	0.1	NA	NA	0
BRIP1	83990	Primary pe	C1514428	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	49	0	0.1	NA	NA	0
BRIP1	83990	Cerebral ve	C1531647	phenotype	Nervous System Diseases	Finding	410	0	0.1	NA	NA	0
BRIP1	83990	Renal Insuf	C1565489	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	615	42	0.1	NA	NA	0
BRIP1	83990	hypopigme	C1836735	phenotype	Skin and Connective Tissue Diseases	Finding	123	2	0.1	NA	NA	0
BRIP1	83990	Abnormali	C1846460	disease	NA	Anatomical Abnormality	95	8	0.1	NA	NA	0
BRIP1	83990	Clinodacty	C1850049	disease	NA	Congenital Abnormality	284	39	0.1	NA	NA	0
BRIP1	83990	Renal hypo	C1857453	phenotype	NA	Finding	73	2	0.1	NA	NA	0
BRIP1	83990	Sloping for	C1857679	phenotype	NA	Finding	149	5	0.1	NA	NA	0
BRIP1	83990	Postnatal g	C1859778	phenotype	NA	Finding	121	11	0.1	NA	NA	0
BRIP1	83990	Irregular h	C1860236	phenotype	Skin and Connective Tissue Diseases	Finding	55	2	0.1	NA	NA	0
BRIP1	83990	ULNAR HY	C1860614	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	50	0	0.1	NA	NA	0
BRIP1	83990	Esophagea	C1861028	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	19	12	0.1	NA	NA	0
BRIP1	83990	Cafe au lai	C1861975	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	61	13	0.1	NA	NA	0
BRIP1	83990	Myelodysp	C1963099	phenotype	NA	Finding	68	0	0.1	NA	NA	0
BRIP1	83990	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
BRIP1	83990	Reduced b	C2674432	phenotype	NA	Finding	76	2	0.1	NA	NA	0
BRIP1	83990	Aplasia/Hy	C2749463	phenotype	NA	Finding	45	0	0.1	NA	NA	0
BRIP1	83990	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
BRIP1	83990	Diffuse Int	C2986658	disease	NA	Neoplastic Process	87	9	0.1	NA	NA	0
BRIP1	83990	Abnormali	C3164445	disease	NA	Anatomical Abnormality	50	2	0.1	NA	NA	0
BRIP1	83990	Dilated ver	C3278923	phenotype	NA	Finding	427	32	0.1	NA	NA	0
BRIP1	83990	FANCONI A	C3469521	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	360	194	0.1	NA	0.944	36
BRIP1	83990	Visual Imp	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
BRIP1	83990	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
BRIP1	83990	Clubbing o	C3887489	disease	NA	Anatomical Abnormality	30	0	0.1	NA	NA	0
BRIP1	83990	BREAST CA	C4016951	disease	NA	Finding	1	4	0.1	NA	NA	0
BRIP1	83990	Abnormal	C4020968	disease	NA	Anatomical Abnormality	40	0	0.1	NA	NA	0
BRIP1	83990	Chromoso	C4021737	phenotype	Pathological Conditions, Signs and Symptoms	Finding	8	0	0.1	NA	NA	0
BRIP1	83990	Abnormali	C4021750	disease	NA	Anatomical Abnormality	33	1	0.1	NA	NA	0
BRIP1	83990	Abnormali	C4021780	phenotype	NA	Finding	75	8	0.1	NA	NA	0

BRIP1	83990	Abnormali	C4022016	disease	NA	Anatomical Abnormality	22	0	0.1	NA	NA	0
BRIP1	83990	Aplasia/Hy	C4023917	phenotype	NA	Anatomical Abnormality	22	0	0.1	NA	NA	0
BRIP1	83990	Aplasia/Hy	C4024748	disease	NA	Anatomical Abnormality	52	0	0.1	NA	NA	0
BRIP1	83990	Almond-sh	C4024780	phenotype	NA	Finding	40	1	0.1	NA	NA	0
BRIP1	83990	Aplasia/Hy	C4025071	phenotype	NA	Anatomical Abnormality	22	0	0.1	NA	NA	0
BRIP1	83990	Abnormal	C4025211	disease	NA	Anatomical Abnormality	32	0	0.1	NA	NA	0
BRIP1	83990	Abnormal	C4025756	disease	NA	Anatomical Abnormality	29	1	0.1	NA	NA	0
BRIP1	83990	Abnormali	C4025819	disease	NA	Anatomical Abnormality	70	0	0.1	NA	NA	0
BRIP1	83990	Abnormali	C4551705	phenotype	NA	Cell or Molecular Dysfunction	34	1	0.1	NA	NA	0
BRIP1	83990	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
BRIP1	83990	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.1	NA	0.9	10
BRIP1	83990	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.09	NA	1	9
BRIP1	83990	Breast Can	C0346153	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	183	91	0.08	NA	0.875	8
BRIP1	83990	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.07	NA	1	7
BRIP1	83990	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.05	NA	0.8	5
BRIP1	83990	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.04	NA	0.75	4
BRIP1	83990	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.04	NA	1	4
BRIP1	83990	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.04	NA	0.75	4
BRIP1	83990	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.03	NA	1	3
BRIP1	83990	Familial (FI	C1611743	disease	NA	Disease or Syndrome	1075	276	0.03	NA	1	3
BRIP1	83990	Xeroderma	C0043346	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Congenital Abnormality	137	35	0.02	NA	1	2
BRIP1	83990	Epithelial c	C0677886	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	1224	129	0.02	NA	1	2
BRIP1	83990	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.02	NA	1	2
BRIP1	83990	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.02	NA	1	2
BRIP1	83990	Hereditary	C1333990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Neoplastic Process	174	1331	0.02	NA	1	2
BRIP1	83990	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
BRIP1	83990	Anemia	C0002871	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	847	94	0.01	NA	1	1
BRIP1	83990	beta Thala	C0005283	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	198	103	0.01	NA	1	1
BRIP1	83990	Bloom Syn	C0005859	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	155	132	0.01	NA	1	1
BRIP1	83990	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.01	NA	1	1
BRIP1	83990	Female Bre	C0007104	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	71	15	0.01	NA	1	1
BRIP1	83990	Malignant	C0007114	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	508	38	0.01	NA	1	1
BRIP1	83990	Congenital	C0008626	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	757	47	0.01	NA	1	1
BRIP1	83990	Congenital	C0009081	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	285	44	0.01	NA	1	1
BRIP1	83990	Fanconi Sy	C0015624	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	26	4	0.01	NA	1	1
BRIP1	83990	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
BRIP1	83990	Meningion	C0025286	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	634	43	0.01	NA	1	1
BRIP1	83990	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
BRIP1	83990	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.01	NA	1	1
BRIP1	83990	Werner Sy	C0043119	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	130	71	0.01	NA	1	1
BRIP1	83990	Malignant	C0235653	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	71	15	0.01	NA	1	1
BRIP1	83990	Carcinoma	C0238033	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	87	38	0.01	NA	1	1
BRIP1	83990	Malignant	C0242787	disease	Neoplasms; Skin and Connective Tissue Diseases; Endocrine System Disea	Neoplastic Process	75	43	0.01	NA	1	1
BRIP1	83990	Dyskeratos	C0265965	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	58	146	0.01	NA	1	1
BRIP1	83990	Malignant	C0278704	disease	Neoplasms	Neoplastic Process	179	34	0.01	NA	0	1
BRIP1	83990	Adult Men	C0278877	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	405	30	0.01	NA	1	1
BRIP1	83990	Transitiona	C0334611	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	15	1	0.01	NA	1	1
BRIP1	83990	Nijmegen I	C0398791	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	94	144	0.01	NA	1	1
BRIP1	83990	Secondary	C0494165	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	951	34	0.01	NA	1	1
BRIP1	83990	Hepatitis C	C0524910	disease	Digestive System Diseases; Infections	Disease or Syndrome	430	80	0.01	NA	0	1

BRIP1	83990	Leukemog	C0598766	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	996	25	0.01	NA	1	1
BRIP1	83990	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
BRIP1	83990	Cleft Lip w	C0810364	disease	NA	Congenital Abnormality	99	50	0.01	NA	1	1
BRIP1	83990	Carcinoma	C0948303	disease	NA	Neoplastic Process	10	0	0.01	NA	1	1
BRIP1	83990	Hereditary	C1333600	disease	Neoplasms	Neoplastic Process	63	18	0.01	NA	1	1
BRIP1	83990	Grade I Me	C1512260	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	7	1	0.01	NA	1	1
BRIP1	83990	HCV coinfe	C1698259	disease	NA	Disease or Syndrome	37	5	0.01	NA	1	1
BRIP1	83990	Meningion	C1762616	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	404	30	0.01	NA	1	1
BRIP1	83990	Severe Apl	C1883018	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	70	4	0.01	NA	1	1
BRIP1	83990	Adult Grad	C2347751	disease	NA	Neoplastic Process	6	1	0.01	NA	1	1
BRIP1	83990	Childhood	C2347760	disease	NA	Neoplastic Process	6	1	0.01	NA	1	1
BRIP1	83990	Sex Differe	C2930619	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	103	10	0.01	NA	1	1
BRIP1	83990	Prostate ca	C2931456	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	116	25	0.01	NA	1	1
BRIP1	83990	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.01	NA	1	1
BRIP1	83990	beta^+^ Th	C3841475	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	156	44	0.01	NA	1	1
BRIP1	83990	Lynch Synd	C4552100	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	103	65	0.01	NA	1	1
BRIP1	83990	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
BRIP1	83990	Hereditary	C4722328	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	45	12	0.01	NA	1	1
BRIP1	83990	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.01	NA	1	1
CENPF	1063	Jejunal Atr	C1855705	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	1	9	0.72	NA	1	4
CENPF	1063	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.41	strong	1	1
CENPF	1063	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.4	NA	1	11
CENPF	1063	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.33	NA	1	4
CENPF	1063	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.33	NA	1	4
CENPF	1063	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.33	NA	1	4
CENPF	1063	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.31	NA	1	2
CENPF	1063	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.3	NA	1	1
CENPF	1063	Polydactyly	C0152427	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	188	43	0.3	strong	NA	0
CENPF	1063	Seckel synd	C0265202	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	56	3	0.3	strong	1	1
CENPF	1063	Mammary	C1257931	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	527	0	0.3	NA	1	1
CENPF	1063	Chronic my	C1292778	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	366	47	0.3	strong	1	1
CENPF	1063	Mammary	C4704874	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	545	0	0.3	NA	1	1
CENPF	1063	Cardiomyo	C0007193	group	Cardiovascular Diseases	Disease or Syndrome	512	509	0.2	NA	NA	0
CENPF	1063	Cleft Palate	C0008925	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	611	158	0.1	NA	NA	0
CENPF	1063	Hydrocephl	C0020255	disease	Nervous System Diseases	Disease or Syndrome	473	37	0.1	NA	NA	0
CENPF	1063	Hydronephl	C0020295	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	253	18	0.1	NA	NA	0
CENPF	1063	Orbital sep	C0020534	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	590	77	0.1	NA	NA	0
CENPF	1063	Macroston	C0024433	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	148	11	0.1	NA	NA	0
CENPF	1063	Micrognat	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
CENPF	1063	Microphth	C0026010	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	337	40	0.1	NA	NA	0
CENPF	1063	Myopathy	C0026848	group	Musculoskeletal Diseases; Nervous System Diseases	Disease or Syndrome	634	166	0.1	NA	NA	0
CENPF	1063	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.1	NA	NA	0
CENPF	1063	Agenesis o	C0175754	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	615	45	0.1	NA	NA	0
CENPF	1063	Congenital	C0221210	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	77	5	0.1	NA	NA	0
CENPF	1063	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
CENPF	1063	Coloboma	C0240063	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Anatomical Abnormality	153	12	0.1	NA	NA	0
CENPF	1063	Duodenal a	C0266174	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Congenital Abnormality	39	2	0.1	NA	NA	0
CENPF	1063	Jejunal Atr	C0266175	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Congenital Abnormality	3	2	0.1	NA	NA	0
CENPF	1063	Cerebellar	C0266470	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	226	26	0.1	NA	NA	0
CENPF	1063	Microcorn	C0266544	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	129	10	0.1	NA	NA	0

CENPF	1063	Congenital	C0266551	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	148	1	0.1	NA	NA	0
CENPF	1063	Hypoplasia	C0338502	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	59	14	0.1	NA	NA	0
CENPF	1063	Irido-corne	C0344559	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	35	12	0.1	NA	NA	0
CENPF	1063	Sunken eye	C0423224	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	171	54	0.1	NA	NA	0
CENPF	1063	Bilateral re	C0431692	disease	NA	Congenital Abnormality	8	0	0.1	NA	NA	0
CENPF	1063	Stillbirth	C0595939	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Finding	23	2	0.1	NA	NA	0
CENPF	1063	Cerebellar	C1840379	phenotype	NA	Finding	100	26	0.1	NA	NA	0
CENPF	1063	Nasal bridg	C1849367	phenotype	NA	Finding	429	29	0.1	NA	NA	0
CENPF	1063	Sclerocorn	C1853235	disease	Eye Diseases	Disease or Syndrome	42	3	0.1	NA	NA	0
CENPF	1063	Prominent	C1854113	phenotype	NA	Finding	180	8	0.1	NA	NA	0
CENPF	1063	Short colur	C1857479	phenotype	NA	Finding	20	5	0.1	NA	NA	0
CENPF	1063	Retinal vas	C1860475	phenotype	NA	Finding	20	1	0.1	NA	NA	0
CENPF	1063	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.09	NA	1	9
CENPF	1063	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.09	NA	1	9
CENPF	1063	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.07	NA	1	7
CENPF	1063	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.06	NA	1	6
CENPF	1063	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.05	NA	1	5
CENPF	1063	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.03	NA	1	3
CENPF	1063	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.02	NA	1	2
CENPF	1063	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.02	NA	1	2
CENPF	1063	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.02	NA	1	2
CENPF	1063	Ciliopathie	C4277690	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	241	7	0.02	NA	1	2
CENPF	1063	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
CENPF	1063	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.01	NA	1	1
CENPF	1063	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
CENPF	1063	Adenoid Cy	C0010606	disease	Neoplasms	Neoplastic Process	325	30	0.01	NA	1	1
CENPF	1063	Influenza	C0021400	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	858	17	0.01	NA	1	1
CENPF	1063	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
CENPF	1063	Meningion	C0025286	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	634	43	0.01	NA	1	1
CENPF	1063	Mixed Saliv	C0026277	disease	Neoplasms	Neoplastic Process	185	3	0.01	NA	1	1
CENPF	1063	Benign Ne	C0086692	group	Neoplasms	Neoplastic Process	371	7	0.01	NA	1	1
CENPF	1063	Small cell c	C0149925	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	972	125	0.01	NA	1	1
CENPF	1063	Secondary	C0153690	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Musculoskelet	Neoplastic Process	647	18	0.01	NA	1	1
CENPF	1063	Acinar Cell	C0206685	disease	Neoplasms	Neoplastic Process	65	0	0.01	NA	1	1
CENPF	1063	Mucoepide	C0206694	disease	Neoplasms	Neoplastic Process	153	6	0.01	NA	1	1
CENPF	1063	Iron deficie	C0240066	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	179	13	0.01	NA	1	1
CENPF	1063	Adult Men	C0278877	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	405	30	0.01	NA	1	1
CENPF	1063	Recurrent	C0521158	phenotype	NA	Neoplastic Process	735	33	0.01	NA	1	1
CENPF	1063	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
CENPF	1063	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.01	NA	1	1
CENPF	1063	Neuroblast	C1334953	disease	Neoplasms	Neoplastic Process	73	2	0.01	NA	1	1
CENPF	1063	Meningion	C1762616	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	404	30	0.01	NA	1	1
CENPF	1063	Carcinoma	C1827293	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	287	14	0.01	NA	1	1
CENPF	1063	Prostate C	C1853195	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	59	11	0.01	NA	1	1
CENPF	1063	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.01	NA	1	1
PGAP1	80055	MENTAL R	C4014343	disease	NA	Disease or Syndrome	2	13	0.6	moderate	1	2
PGAP1	80055	Autosomal	C4707829	disease	NA	Disease or Syndrome	1	0	0.3	NA	1	1
PGAP1	80055	Holoprose	C0079541	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	109	45	0.2	NA	NA	0
PGAP1	80055	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.12	NA	1	2
PGAP1	80055	Central vis	C3810365	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	158	1	0.12	NA	1	2

PGAP1	80055	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	580	48	0.11	NA	1	1
PGAP1	80055	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.11	NA	1	1
PGAP1	80055	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.11	NA	1	1
PGAP1	80055	Chorea	C0008489	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	168	20	0.1	NA	NA	0
PGAP1	80055	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.1	NA	NA	0
PGAP1	80055	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
PGAP1	80055	Dyskinetic	C0013384	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	316	42	0.1	NA	NA	0
PGAP1	80055	Dystonia	C0013421	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	453	97	0.1	NA	NA	0
PGAP1	80055	Impulsive I	C0021125	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	276	69	0.1	NA	NA	0
PGAP1	80055	Macroston	C0024433	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	148	11	0.1	NA	NA	0
PGAP1	80055	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
PGAP1	80055	Mild Ment	C0026106	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	340	56	0.1	NA	NA	0
PGAP1	80055	Moderate	C0026351	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	251	94	0.1	NA	NA	0
PGAP1	80055	Babinski Re	C0034935	phenotype	NA	Finding	218	11	0.1	NA	NA	0
PGAP1	80055	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	429	74	0.1	NA	NA	0
PGAP1	80055	Sleep distu	C0037317	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	311	74	0.1	NA	NA	0
PGAP1	80055	Stereotype	C0038271	disease	Behavior and Behavior Mechanisms	Individual Behavior	135	0	0.1	NA	NA	0
PGAP1	80055	Stereotypi	C0038273	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	192	26	0.1	NA	NA	0
PGAP1	80055	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
PGAP1	80055	Macrotia	C0152421	disease	NA	Congenital Abnormality	188	18	0.1	NA	NA	0
PGAP1	80055	Agenesis o	C0175754	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Congenital Abnormality	615	45	0.1	NA	NA	0
PGAP1	80055	Spastic gai	C0231687	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	62	9	0.1	NA	NA	0
PGAP1	80055	Generalize	C0234533	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	210	13	0.1	NA	NA	0
PGAP1	80055	Tremor, Li	C0235081	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	20	3	0.1	NA	NA	0
PGAP1	80055	Abnormali	C0262444	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Finding	140	16	0.1	NA	NA	0
PGAP1	80055	Reduced c	C0262630	phenotype	Behavior and Behavior Mechanisms	Finding	77	2	0.1	NA	NA	0
PGAP1	80055	Polymicrog	C0266464	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	199	29	0.1	NA	NA	0
PGAP1	80055	Difficulty w	C0311394	phenotype	Pathological Conditions, Signs and Symptoms	Finding	224	30	0.1	NA	NA	0
PGAP1	80055	Hypoplasia	C0344482	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Congenital Abnormality	385	49	0.1	NA	NA	0
PGAP1	80055	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
PGAP1	80055	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.1	NA	NA	0
PGAP1	80055	Dysmorphi	C0424503	phenotype	NA	Finding	271	106	0.1	NA	NA	0
PGAP1	80055	Absence of	C0431371	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	84	2	0.1	NA	NA	0
PGAP1	80055	Cortical Dy	C0431380	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	118	6	0.1	NA	NA	0
PGAP1	80055	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
PGAP1	80055	Electroreti	C0476397	phenotype	NA	Finding	158	10	0.1	NA	NA	0
PGAP1	80055	Clumsiness	C0520947	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	393	2	0.1	NA	NA	0
PGAP1	80055	Short neck	C0521525	phenotype	NA	Finding	288	29	0.1	NA	NA	0
PGAP1	80055	Hypsarrhyt	C0684276	phenotype	Nervous System Diseases	Finding	152	7	0.1	NA	NA	0
PGAP1	80055	Dyssomnia	C0700201	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	236	10	0.1	NA	NA	0
PGAP1	80055	Seizures, F	C0751495	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	210	15	0.1	NA	NA	0
PGAP1	80055	Sleep Diso	C0851578	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	360	38	0.1	NA	NA	0
PGAP1	80055	Retinal Dys	C0854723	group	Eye Diseases	Disease or Syndrome	219	227	0.1	NA	NA	0
PGAP1	80055	Autistic be	C0856975	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	261	78	0.1	NA	NA	0
PGAP1	80055	Generalize	C1389113	disease	NA	Disease or Syndrome	56	6	0.1	NA	NA	0
PGAP1	80055	Salaam Sei	C1527366	disease	Nervous System Diseases	Disease or Syndrome	75	9	0.1	NA	NA	0
PGAP1	80055	Poor speec	C1848207	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	208	9	0.1	NA	NA	0
PGAP1	80055	Motor dela	C1854301	phenotype	Mental Disorders	Finding	384	34	0.1	NA	NA	0
PGAP1	80055	Absent spe	C1854882	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	232	72	0.1	NA	NA	0
PGAP1	80055	Progressive	C1855483	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	59	1	0.1	NA	NA	0

PGAP1	80055	Aplasia/Hy	C1855676	phenotype	NA	Finding	30	2	0.1	NA	NA	0
PGAP1	80055	Abnormal	C1857704	phenotype	NA	Finding	49	1	0.1	NA	NA	0
PGAP1	80055	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
PGAP1	80055	Large basa	C1859470	phenotype	NA	Finding	41	0	0.1	NA	NA	0
PGAP1	80055	Neonatal H	C2267233	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	169	45	0.1	NA	NA	0
PGAP1	80055	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
PGAP1	80055	Multifocal	C4021219	phenotype	NA	Finding	52	9	0.1	NA	NA	0
PGAP1	80055	Cortical vis	C4048268	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Pathologic Function	136	27	0.1	NA	NA	0
PGAP1	80055	Cerebral co	C4551583	disease	NA	Disease or Syndrome	271	13	0.1	NA	NA	0
PGAP1	80055	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
PGAP1	80055	Encephalo	C0085584	group	Nervous System Diseases	Disease or Syndrome	457	64	0.02	NA	1	2
PGAP1	80055	Apnea	C0003578	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	262	11	0.01	NA	0	1
PGAP1	80055	Factor XII D	C0015526	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	14	13	0.01	NA	1	1
PGAP1	80055	Paroxysma	C0024790	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	132	12	0.01	NA	1	1
PGAP1	80055	Congenital	C0266617	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	114	7	0.01	NA	1	1
PGAP1	80055	Congenital	C0282577	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	102	38	0.01	NA	1	1
PGAP1	80055	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.01	NA	1	1
PGAP1	80055	Precursor I	C1292769	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	478	23	0.01	NA	1	1
PGAP1	80055	Severe psy	C1854919	phenotype	NA	Mental or Behavioral Dysfunc	22	3	0.01	NA	1	1
PGAP1	80055	Brain atrop	C4551584	disease	Nervous System Diseases	Disease or Syndrome	182	46	0.01	NA	1	1
MGST2	4258	Psoriasis v	C0263361	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	255	80	0.02	NA	1	2
MGST2	4258	Myeloid Le	C0023473	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	1172	115	0.01	NA	1	1
MGST2	4258	Psoriasis	C0033860	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	1308	705	0.01	NA	0	1
NIPAL3	57185	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.3	NA	1	1
NIPAL3	57185	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.3	NA	1	1
MFSD8	256471	Ceroid Lipo	C1838571	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	3	23	0.97	NA	1	19
MFSD8	256471	MACULAR	C4015371	disease	NA	Disease or Syndrome	1	4	0.72	NA	1	3
MFSD8	256471	Neuronal C	C0027877	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	51	74	0.4	NA	1	12
MFSD8	256471	Late-Infant	C0022340	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	19	4	0.37	NA	1	8
MFSD8	256471	Disorder o	C0015397	group	Eye Diseases	Disease or Syndrome	400	14	0.3	NA	1	1
MFSD8	256471	Juvenile Ne	C0751383	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	52	73	0.21	NA	1	2
MFSD8	256471	Adult Neur	C0022797	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	16	9	0.2	NA	1	1
MFSD8	256471	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.11	NA	1	5
MFSD8	256471	Age relate	C0242383	disease	Eye Diseases	Disease or Syndrome	685	663	0.11	NA	1	1
MFSD8	256471	Blindness	C0456909	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	393	34	0.11	NA	1	1
MFSD8	256471	Unspecifie	C3665346	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases	Sign or Symptom	235	11	0.11	NA	1	1
MFSD8	256471	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
MFSD8	256471	Nerve Deg	C0027746	phenotype	Pathological Conditions, Signs and Symptoms	Cell or Molecular Dysfunction	165	17	0.1	NA	NA	0
MFSD8	256471	Optic Atro	C0029124	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	568	51	0.1	NA	NA	0
MFSD8	256471	Retinal Dis	C0035309	group	Eye Diseases	Disease or Syndrome	714	56	0.1	NA	NA	0
MFSD8	256471	Retinitis Pi	C0035334	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	546	541	0.1	NA	NA	0
MFSD8	256471	Sleep distu	C0037317	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	311	74	0.1	NA	NA	0
MFSD8	256471	Electroenc	C0151611	phenotype	Nervous System Diseases	Finding	227	27	0.1	NA	NA	0
MFSD8	256471	Scotoma, C	C0152191	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	43	2	0.1	NA	NA	0
MFSD8	256471	Reduced vi	C0234632	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	147	10	0.1	NA	NA	0
MFSD8	256471	Mental det	C0234985	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	508	121	0.1	NA	NA	0
MFSD8	256471	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
MFSD8	256471	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
MFSD8	256471	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
MFSD8	256471	Dyssomnia	C0700201	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	236	10	0.1	NA	NA	0

MFSD8	256471	Cerebellar	C0740279	disease	NA	Disease or Syndrome	321	67	0.1	NA	NA	0
MFSD8	256471	Sleep Diso	C0851578	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	360	38	0.1	NA	NA	0
MFSD8	256471	Rapidly pro	C1838681	phenotype	NA	Finding	38	0	0.1	NA	NA	0
MFSD8	256471	Retinopath	C1962966	phenotype	NA	Finding	108	0	0.1	NA	NA	0
MFSD8	256471	Visual Impa	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
MFSD8	256471	Abnormal	C3665386	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	115	6	0.1	NA	NA	0
MFSD8	256471	Generalize	C4021759	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	105	8	0.1	NA	NA	0
MFSD8	256471	Insulin Sen	C4049919	phenotype	NA	Laboratory Procedure	14	32	0.1	NA	1	1
MFSD8	256471	Lysosomal	C0085078	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	130	8	0.04	NA	1	4
MFSD8	256471	Disorder o	C0730362	group	Eye Diseases	Disease or Syndrome	49	24	0.02	NA	1	2
MFSD8	256471	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.01	NA	1	1
MFSD8	256471	nervous sy	C0027765	group	Nervous System Diseases	Disease or Syndrome	977	39	0.01	NA	1	1
MFSD8	256471	Low Vision	C0042798	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	157	51	0.01	NA	1	1
MFSD8	256471	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.01	NA	1	1
MFSD8	256471	Pick Diseas	C0236642	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	213	83	0.01	NA	1	1
MFSD8	256471	Frontotem	C0338451	disease	Nutritional and Metabolic Diseases; Nervous System Diseases; Mental Dis	Disease or Syndrome	320	215	0.01	NA	1	1
MFSD8	256471	Hereditary	C0339508	disease	NA	Congenital Abnormality	39	10	0.01	NA	1	1
MFSD8	256471	Neurodege	C0524851	group	Nervous System Diseases	Disease or Syndrome	1515	85	0.01	NA	1	1
MFSD8	256471	Macular dy	C0730292	disease	Eye Diseases	Disease or Syndrome	52	59	0.01	NA	1	1
MFSD8	256471	Frontotem	C0751072	disease	Nutritional and Metabolic Diseases; Nervous System Diseases; Mental Dis	Mental or Behavioral Dysfunc	195	54	0.01	NA	1	1
MFSD8	256471	Degenerat	C1285162	group	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	160	6	0.01	NA	1	1
MFSD8	256471	CEROID LIP	C1838570	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	5	43	0.01	NA	1	1
MFSD8	256471	Cone-Rod	C3489532	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	254	51	0.01	NA	1	1
MFSD8	256471	Cone-Rod	C4085590	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	86	53	0.01	NA	1	1
MFSD8	256471	Rod-Cone	C4551714	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	194	33	0.01	NA	1	1
NEURL4	84461	Autoimmu	C0004364	group	Immune System Diseases	Disease or Syndrome	1758	428	0.1	NA	1	1
NEURL4	84461	AUTOIMM	C3150797	disease	NA	Finding	82	141	0.1	NA	1	1
NEURL4	84461	AUTOIMM	C4014795	disease	NA	Disease or Syndrome	82	142	0.1	NA	1	1
NEURL4	84461	AUTOIMM	C4310768	disease	NA	Disease or Syndrome	82	132	0.1	NA	1	1
XRCC6	2547	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.3	NA	1	1
XRCC6	2547	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.2	NA	0.909	11
XRCC6	2547	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.1	NA	0.9	10
XRCC6	2547	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	0.933	15
XRCC6	2547	Intelligenc	C0021704	phenotype	Behavior and Behavior Mechanisms	Mental Process	645	2093	0.1	NA	1	1
XRCC6	2547	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	18
XRCC6	2547	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.1	NA	1	11
XRCC6	2547	mathemat	C0596887	phenotype	NA	Mental Process	854	2127	0.1	NA	1	1
XRCC6	2547	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	0.929	14
XRCC6	2547	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.07	NA	1	7
XRCC6	2547	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.05	NA	1	5
XRCC6	2547	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.05	NA	1	5
XRCC6	2547	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.05	NA	1	5
XRCC6	2547	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.05	NA	1	5
XRCC6	2547	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.05	NA	1	5
XRCC6	2547	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.04	NA	1	4
XRCC6	2547	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.04	NA	1	4
XRCC6	2547	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.04	NA	1	4
XRCC6	2547	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.04	NA	1	4
XRCC6	2547	Convention	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2346	222	0.04	NA	1	4
XRCC6	2547	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.04	NA	1	4

XRCC6	2547	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.04	NA	1	4
XRCC6	2547	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.04	NA	1	4
XRCC6	2547	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2104	309	0.04	NA	1	4
XRCC6	2547	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.03	NA	1	3
XRCC6	2547	Congenital	C0008626	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	757	47	0.03	NA	1	3
XRCC6	2547	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.03	NA	1	3
XRCC6	2547	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.03	NA	1	3
XRCC6	2547	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.03	NA	1	3
XRCC6	2547	Werner Sy	C0043119	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	130	71	0.03	NA	1	3
XRCC6	2547	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.03	NA	1	3
XRCC6	2547	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.03	NA	1	3
XRCC6	2547	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.03	NA	1	3
XRCC6	2547	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.03	NA	1	3
XRCC6	2547	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.03	NA	1	3
XRCC6	2547	Adenoma	C0001430	group	Neoplasms	Neoplastic Process	1183	103	0.02	NA	1	2
XRCC6	2547	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.02	NA	1	2
XRCC6	2547	Rectal Carc	C0007113	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	472	112	0.02	NA	1	2
XRCC6	2547	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.02	NA	1	2
XRCC6	2547	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.02	NA	1	2
XRCC6	2547	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.02	NA	1	2
XRCC6	2547	Myeloid Le	C0023473	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	1172	115	0.02	NA	1	2
XRCC6	2547	Lupus Vulg	C0024131	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	526	44	0.02	NA	1	2
XRCC6	2547	Lupus Eryt	C0024138	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	552	46	0.02	NA	1	2
XRCC6	2547	Mesotheli	C0025500	disease	Neoplasms	Neoplastic Process	560	4	0.02	NA	1	2
XRCC6	2547	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.02	NA	1	2
XRCC6	2547	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.02	NA	1	2
XRCC6	2547	Nijmegen I	C0398791	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	94	144	0.02	NA	0.5	2
XRCC6	2547	Lupus Eryt	C0409974	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	558	44	0.02	NA	1	2
XRCC6	2547	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.02	NA	1	2
XRCC6	2547	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.02	NA	1	2
XRCC6	2547	Precursor T	C1961099	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	644	23	0.02	NA	1	2
XRCC6	2547	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.02	NA	1	2
XRCC6	2547	MYELODYS	C3463824	group	Hemic and Lymphatic Diseases	Neoplastic Process	1033	95	0.02	NA	1	2
XRCC6	2547	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.01	NA	1	1
XRCC6	2547	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.01	NA	1	1
XRCC6	2547	Basal Cell N	C0004779	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	74	124	0.01	NA	1	1
XRCC6	2547	Carcinoma	C0007138	disease	Neoplasms	Neoplastic Process	623	12	0.01	NA	1	1
XRCC6	2547	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
XRCC6	2547	Esophagea	C0014859	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1254	270	0.01	NA	1	1
XRCC6	2547	Fanconi An	C0015625	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	394	173	0.01	NA	1	1
XRCC6	2547	Heart Dise	C0018799	group	Cardiovascular Diseases	Disease or Syndrome	537	45	0.01	NA	1	1
XRCC6	2547	Heart failu	C0018801	disease	Cardiovascular Diseases	Disease or Syndrome	1499	201	0.01	NA	1	1
XRCC6	2547	Congestive	C0018802	disease	Cardiovascular Diseases	Disease or Syndrome	1760	165	0.01	NA	1	1
XRCC6	2547	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.01	NA	1	1
XRCC6	2547	Herpes Sim	C0019348	group	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	645	11	0.01	NA	1	1
XRCC6	2547	HTLV-I Infe	C0020097	group	Infections; Immune System Diseases	Disease or Syndrome	134	5	0.01	NA	1	1
XRCC6	2547	Huntingtor	C0020179	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	978	115	0.01	NA	1	1
XRCC6	2547	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.01	NA	1	1
XRCC6	2547	Hyperthyro	C0020550	disease	Endocrine System Diseases	Disease or Syndrome	279	27	0.01	NA	1	1
XRCC6	2547	Hypothyro	C0020676	disease	Endocrine System Diseases	Disease or Syndrome	613	283	0.01	NA	1	1

XRCC6	2547	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.01	NA	1	1
XRCC6	2547	Myeloid Le	C0023470	disease	Neoplasms	Neoplastic Process	385	7	0.01	NA	1	1
XRCC6	2547	Lung disea	C0024115	group	Respiratory Tract Diseases	Disease or Syndrome	700	50	0.01	NA	1	1
XRCC6	2547	Lymphatic	C0024232	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	463	10	0.01	NA	1	1
XRCC6	2547	Lymphoma	C0024299	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1548	91	0.01	NA	1	1
XRCC6	2547	Premature	C0025322	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	299	90	0.01	NA	1	1
XRCC6	2547	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases; C	Neoplastic Process	1740	865	0.01	NA	1	1
XRCC6	2547	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1
XRCC6	2547	Pterygium	C0033999	disease	Eye Diseases	Disease or Syndrome	216	5	0.01	NA	1	1
XRCC6	2547	Pulmonary	C0034067	disease	Respiratory Tract Diseases	Disease or Syndrome	352	64	0.01	NA	1	1
XRCC6	2547	Pulpitis	C0034103	disease	Stomatognathic Diseases	Disease or Syndrome	47	0	0.01	NA	1	1
XRCC6	2547	Rheumatis	C0035435	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases	Disease or Syndrome	197	19	0.01	NA	1	1
XRCC6	2547	Stomach N	C0038356	group	Digestive System Diseases; Neoplasms	Neoplastic Process	820	55	0.01	NA	1	1
XRCC6	2547	Stomatitis	C0038362	disease	Stomatognathic Diseases	Disease or Syndrome	109	22	0.01	NA	1	1
XRCC6	2547	Virus Disea	C0042769	group	Infections	Disease or Syndrome	1471	42	0.01	NA	1	1
XRCC6	2547	Diffuse Lar	C0079744	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1043	127	0.01	NA	1	1
XRCC6	2547	Small cell c	C0149925	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	972	125	0.01	NA	1	1
XRCC6	2547	Esophagea	C0152018	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1287	272	0.01	NA	1	1
XRCC6	2547	Malignant	C0153381	group	Neoplasms; Stomatognathic Diseases	Neoplastic Process	756	184	0.01	NA	1	1
XRCC6	2547	Lip and Ora	C0220641	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	734	172	0.01	NA	1	1
XRCC6	2547	Niemann-P	C0220756	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	201	33	0.01	NA	1	1
XRCC6	2547	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.01	NA	1	1
XRCC6	2547	Adult Glio	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
XRCC6	2547	Childhood	C0279068	phenotype	NA	Neoplastic Process	169	3	0.01	NA	1	1
XRCC6	2547	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.01	NA	1	1
XRCC6	2547	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
XRCC6	2547	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.01	NA	1	1
XRCC6	2547	Recurrent	C0521158	phenotype	NA	Neoplastic Process	735	33	0.01	NA	1	1
XRCC6	2547	Malignant	C0546837	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1286	214	0.01	NA	1	1
XRCC6	2547	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.01	NA	1	1
XRCC6	2547	Congenital	C0699743	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	54	20	0.01	NA	1	1
XRCC6	2547	precancero	C0940937	phenotype	NA	Neoplastic Process	270	19	0.01	NA	1	1
XRCC6	2547	Adult Lymp	C1332206	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1169	66	0.01	NA	1	1
XRCC6	2547	Childhood	C1332977	disease	Neoplasms	Neoplastic Process	1740	140	0.01	NA	1	1
XRCC6	2547	Childhood	C1332979	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1171	66	0.01	NA	1	1
XRCC6	2547	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.01	NA	1	1
XRCC6	2547	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.01	NA	1	1
XRCC6	2547	Autism Spe	C1510586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1071	331	0.01	NA	1	1
XRCC6	2547	Oral Muco	C1568868	disease	Stomatognathic Diseases	Disease or Syndrome	59	16	0.01	NA	1	1
XRCC6	2547	TARSAL-CA	C1861305	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	261	13	0.01	NA	1	1
XRCC6	2547	Pterygium	C1867441	disease	Eye Diseases	Disease or Syndrome	169	4	0.01	NA	1	1
XRCC6	2547	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
XRCC6	2547	Multiple C	C3266262	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	929	42	0.01	NA	1	1
XRCC6	2547	FANCONI A	C3469521	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	360	194	0.01	NA	1	1
XRCC6	2547	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.01	NA	1	1
XRCC6	2547	Advanced	C4329280	disease	NA	Neoplastic Process	25	0	0.01	NA	1	1
XRCC6	2547	Pterygium	C4520843	disease	Eye Diseases	Disease or Syndrome	169	4	0.01	NA	1	1
XRCC6	2547	Extrapulm	C4722419	disease	Neoplasms	Neoplastic Process	157	11	0.01	NA	1	1
IRAK1	3654	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.5	NA	1	15
IRAK1	3654	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.36	NA	0.857	7

IRAK1	3654	Coronary A	C1956346	disease	Cardiovascular Diseases	Disease or Syndrome	1708	1577	0.33	NA	0.667	3
IRAK1	3654	Lubs X-link	C1846058	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Mental or Behavioral Dysfunc	11	8	0.31	limited	1	2
IRAK1	3654	Coronary A	C0010054	disease	Cardiovascular Diseases	Disease or Syndrome	1282	440	0.3	NA	1	1
IRAK1	3654	Hepatitis, T	C0019193	disease	Digestive System Diseases; Chemically-Induced Disorders	Injury or Poisoning	412	0	0.3	NA	1	1
IRAK1	3654	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.3	NA	NA	0
IRAK1	3654	Cerebral H	C0178540	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	13	0	0.3	NA	1	1
IRAK1	3654	Hypoxic-Isc	C0752304	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	182	12	0.3	NA	1	1
IRAK1	3654	Anoxic-Isch	C0752305	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	5	0	0.3	NA	1	1
IRAK1	3654	Anoxia-Isch	C0752306	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	5	0	0.3	NA	1	1
IRAK1	3654	Anoxia-Isch	C0752307	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	5	0	0.3	NA	1	1
IRAK1	3654	Hypoxia-Isc	C0752308	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	81	0	0.3	NA	1	1
IRAK1	3654	Drug-Induc	C0860207	phenotype	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	537	29	0.3	NA	1	1
IRAK1	3654	Hepatitis, I	C1262760	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	418	0	0.3	NA	1	1
IRAK1	3654	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.3	NA	NA	0
IRAK1	3654	Drug-Induc	C3658290	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	413	0	0.3	NA	1	1
IRAK1	3654	Chemical a	C4277682	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	461	38	0.3	NA	1	1
IRAK1	3654	Chemically	C4279912	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	412	0	0.3	NA	1	1
IRAK1	3654	Brain Ische	C0007786	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	358	5	0.2	NA	1	1
IRAK1	3654	Myocardia	C0027055	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Pathologic Function	226	0	0.2	NA	1	1
IRAK1	3654	Delirium, D	C0029227	group	Mental Disorders	Mental or Behavioral Dysfunc	83	0	0.2	NA	1	1
IRAK1	3654	Lupus Eryt	C0024138	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	552	46	0.13	NA	1	3
IRAK1	3654	Arthritis	C0003864	disease	Musculoskeletal Diseases	Disease or Syndrome	1072	69	0.11	NA	1	1
IRAK1	3654	Abdomen (	C0000731	phenotype	Digestive System Diseases	Finding	103	6	0.1	NA	NA	0
IRAK1	3654	Abdominal	C0000737	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	302	18	0.1	NA	NA	0
IRAK1	3654	Alopecia	C0002170	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	491	375	0.1	NA	NA	0
IRAK1	3654	Arthralgia	C0003862	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases	Sign or Symptom	248	27	0.1	NA	NA	0
IRAK1	3654	Ascites	C0003962	phenotype	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	198	7	0.1	NA	NA	0
IRAK1	3654	Chest Pain	C0008031	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	154	7	0.1	NA	NA	0
IRAK1	3654	Diarrhea	C0011991	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	632	63	0.1	NA	NA	0
IRAK1	3654	Dyspnea	C0013404	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	222	26	0.1	NA	NA	0
IRAK1	3654	Fever	C0015967	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1021	66	0.1	NA	NA	0
IRAK1	3654	Headache	C0018681	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	338	75	0.1	NA	NA	0
IRAK1	3654	Hematuria	C0018965	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Disease or Syndrome	235	31	0.1	NA	NA	0
IRAK1	3654	Hemiplegia	C0018991	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	41	6	0.1	NA	NA	0
IRAK1	3654	Language D	C0023015	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	94	25	0.1	NA	NA	0
IRAK1	3654	Lymphope	C0024312	disease	Immune System Diseases; Hemic and Lymphatic Diseases	Disease or Syndrome	239	16	0.1	NA	NA	0
IRAK1	3654	Myositis	C0027121	disease	Musculoskeletal Diseases; Nervous System Diseases	Disease or Syndrome	254	43	0.1	NA	NA	0
IRAK1	3654	Nephritis	C0027697	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	296	40	0.1	NA	NA	0
IRAK1	3654	Nephrotic	C0027726	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	384	45	0.1	NA	NA	0
IRAK1	3654	Pericardial	C0031039	disease	Cardiovascular Diseases	Disease or Syndrome	98	10	0.1	NA	NA	0
IRAK1	3654	Pleural effu	C0032227	group	Respiratory Tract Diseases	Disease or Syndrome	227	14	0.1	NA	NA	0
IRAK1	3654	Proteinuria	C0033687	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Finding	239	20	0.1	NA	NA	0
IRAK1	3654	Psychotic D	C0033975	group	Mental Disorders	Mental or Behavioral Dysfunc	560	179	0.1	NA	NA	0
IRAK1	3654	Raynaud P	C0034735	disease	Cardiovascular Diseases	Disease or Syndrome	63	1	0.1	NA	NA	0
IRAK1	3654	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
IRAK1	3654	Thrombocy	C0040034	phenotype	Hemic and Lymphatic Diseases	Disease or Syndrome	592	110	0.1	NA	NA	0
IRAK1	3654	Vomiting	C0042963	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	303	23	0.1	NA	NA	0
IRAK1	3654	Oral Ulcer	C0149745	disease	Stomatognathic Diseases	Disease or Syndrome	104	101	0.1	NA	NA	0
IRAK1	3654	Anti-nuclea	C0151480	phenotype	Skin and Connective Tissue Diseases	Laboratory or Test Result	35	3	0.1	NA	NA	0
IRAK1	3654	ESR raised	C0151632	phenotype	NA	Finding	36	0	0.1	NA	NA	0

IRAK1	3654	Muscle We	C0151786	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	536	87	0.1	NA	NA	0
IRAK1	3654	Microangio	C0221021	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	31	0	0.1	NA	NA	0
IRAK1	3654	Disturbanc	C0234428	phenotype	NA	Finding	35	0	0.1	NA	NA	0
IRAK1	3654	Butterfly ra	C0277942	phenotype	Skin and Connective Tissue Diseases	Finding	13	0	0.1	NA	NA	0
IRAK1	3654	Lupus anti	C0311370	disease	Pathological Conditions, Signs and Symptoms; Immune System Diseases;	Disease or Syndrome	66	14	0.1	NA	NA	0
IRAK1	3654	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
IRAK1	3654	Urine look	C0426396	phenotype	NA	Finding	6	0	0.1	NA	NA	0
IRAK1	3654	Lymphade	C0497156	phenotype	Hemic and Lymphatic Diseases	Disease or Syndrome	277	5	0.1	NA	NA	0
IRAK1	3654	Lupus anti	C1142517	phenotype	NA	Laboratory Procedure	5	0	0.1	NA	NA	0
IRAK1	3654	Renal Insuf	C1565489	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	615	42	0.1	NA	NA	0
IRAK1	3654	Decreased	C1837512	phenotype	NA	Finding	12	0	0.1	NA	NA	0
IRAK1	3654	Antineutro	C1858981	phenotype	NA	Laboratory or Test Result	15	0	0.1	NA	NA	0
IRAK1	3654	Antiphosp	C4019436	phenotype	NA	Finding	18	0	0.1	NA	NA	0
IRAK1	3654	Abnormalit	C4023588	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Anatomical Abnormality	14	1	0.1	NA	NA	0
IRAK1	3654	Decreased	C4073169	phenotype	NA	Finding	5	0	0.1	NA	NA	0
IRAK1	3654	Lupus anti	C4321325	phenotype	NA	Finding	5	0	0.1	NA	NA	0
IRAK1	3654	Increased I	C4477095	phenotype	NA	Finding	27	0	0.1	NA	NA	0
IRAK1	3654	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.09	NA	1	9
IRAK1	3654	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.06	NA	1	6
IRAK1	3654	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.05	NA	1	5
IRAK1	3654	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.05	NA	1	5
IRAK1	3654	Systemic S	C0036421	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	979	287	0.05	NA	0.8	5
IRAK1	3654	Septicemia	C0036690	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1285	141	0.05	NA	1	5
IRAK1	3654	Sepsis	C0243026	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1453	144	0.05	NA	1	5
IRAK1	3654	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.05	NA	1	5
IRAK1	3654	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.04	NA	1	4
IRAK1	3654	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.04	NA	1	4
IRAK1	3654	Autoimmu	C0004364	group	Immune System Diseases	Disease or Syndrome	1758	428	0.04	NA	1	4
IRAK1	3654	Waldenstr	C0024419	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases;	Neoplastic Process	162	15	0.04	NA	1	4
IRAK1	3654	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.04	NA	1	4
IRAK1	3654	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.04	NA	1	4
IRAK1	3654	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.04	NA	1	4
IRAK1	3654	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.04	NA	1	4
IRAK1	3654	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.03	NA	1	3
IRAK1	3654	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.03	NA	0.667	3
IRAK1	3654	Lupus Vulg	C0024131	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	526	44	0.03	NA	1	3
IRAK1	3654	Lupus Nep	C0024143	disease	Female Urogenital Diseases and Pregnancy Complications; Skin and Connec	Disease or Syndrome	503	64	0.03	NA	1	3
IRAK1	3654	Rhinovirus	C0276447	disease	Infections	Disease or Syndrome	202	4	0.03	NA	1	3
IRAK1	3654	Lupus Eryt	C0409974	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	558	44	0.03	NA	1	3
IRAK1	3654	Precursor T	C1961099	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	644	23	0.03	NA	1	3
IRAK1	3654	Primary M	C0001815	disease	Hemic and Lymphatic Diseases	Neoplastic Process	282	29	0.02	NA	1	2
IRAK1	3654	Ulcerative	C0009324	disease	Digestive System Diseases	Disease or Syndrome	1458	827	0.02	NA	1	2
IRAK1	3654	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.02	NA	1	2
IRAK1	3654	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.02	NA	1	2
IRAK1	3654	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.02	NA	1	2
IRAK1	3654	Chronic Ob	C0024117	disease	Respiratory Tract Diseases	Disease or Syndrome	1428	852	0.02	NA	1	2
IRAK1	3654	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.02	NA	1	2
IRAK1	3654	Myelofibro	C0026987	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Hemic and Lym	Neoplastic Process	163	7	0.02	NA	1	2
IRAK1	3654	Neuralgia	C0027796	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	767	16	0.02	NA	1	2
IRAK1	3654	Pain	C0030193	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1554	196	0.02	NA	1	2

IRAK1	3654	Pulmonary	C0034069	disease	Respiratory Tract Diseases	Disease or Syndrome	924	25	0.02	NA	1	2
IRAK1	3654	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
IRAK1	3654	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.02	NA	1	2
IRAK1	3654	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.01	NA	1	1
IRAK1	3654	Arthritis, P	C0003872	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases	Disease or Syndrome	450	89	0.01	NA	1	1
IRAK1	3654	Behcet Syr	C0004943	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	502	243	0.01	NA	0	1
IRAK1	3654	Bronchopu	C0006287	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Respirat	Disease or Syndrome	423	112	0.01	NA	1	1
IRAK1	3654	Celiac Dise	C0007570	disease	Digestive System Diseases; Nutritional and Metabolic Diseases	Disease or Syndrome	527	263	0.01	NA	1	1
IRAK1	3654	Cerebral In	C0007785	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	687	123	0.01	NA	1	1
IRAK1	3654	Colitis	C0009319	disease	Digestive System Diseases	Disease or Syndrome	1135	15	0.01	NA	1	1
IRAK1	3654	Crohn Dise	C0010346	disease	Digestive System Diseases	Disease or Syndrome	1382	1147	0.01	NA	1	1
IRAK1	3654	Dehydratic	C0011175	phenotype	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	295	6	0.01	NA	1	1
IRAK1	3654	Dermatitis	C0011603	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	496	16	0.01	NA	1	1
IRAK1	3654	Diabetes M	C0011854	disease	Nutritional and Metabolic Diseases; Immune System Diseases; Endocrine	Disease or Syndrome	1675	954	0.01	NA	1	1
IRAK1	3654	Diabetic Ar	C0011875	disease	Endocrine System Diseases; Cardiovascular Diseases	Disease or Syndrome	106	7	0.01	NA	1	1
IRAK1	3654	Diabetic N	C0011881	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1189	238	0.01	NA	1	1
IRAK1	3654	HIV Infecti	C0019693	group	Infections; Immune System Diseases	Disease or Syndrome	807	142	0.01	NA	1	1
IRAK1	3654	Hyperinsul	C0020459	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	620	64	0.01	NA	1	1
IRAK1	3654	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.01	NA	1	1
IRAK1	3654	Keratitis	C0022568	disease	Eye Diseases	Disease or Syndrome	156	10	0.01	NA	1	1
IRAK1	3654	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.01	NA	1	1
IRAK1	3654	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.01	NA	1	1
IRAK1	3654	Lymphoma	C0024299	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1548	91	0.01	NA	1	1
IRAK1	3654	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
IRAK1	3654	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases;	Neoplastic Process	1740	865	0.01	NA	1	1
IRAK1	3654	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
IRAK1	3654	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
IRAK1	3654	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.01	NA	1	1
IRAK1	3654	Pleuropne	C0032241	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	5	3	0.01	NA	1	1
IRAK1	3654	Mycoplasn	C0032302	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	43	2	0.01	NA	1	1
IRAK1	3654	Psoriasis	C0033860	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	1308	705	0.01	NA	1	1
IRAK1	3654	Rett Syndr	C0035372	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	234	368	0.01	NA	1	1
IRAK1	3654	Kaposi Sar	C0036220	disease	Neoplasms; Infections	Neoplastic Process	488	15	0.01	NA	1	1
IRAK1	3654	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	429	74	0.01	NA	1	1
IRAK1	3654	Situs Inver	C0037221	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	138	6	0.01	NA	1	1
IRAK1	3654	Skin lesion	C0037284	group	Skin and Connective Tissue Diseases	Disease or Syndrome	563	52	0.01	NA	1	1
IRAK1	3654	Ankylosing	C0038013	disease	Musculoskeletal Diseases	Disease or Syndrome	710	609	0.01	NA	1	1
IRAK1	3654	Status Epil	C0038220	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	533	12	0.01	NA	1	1
IRAK1	3654	Stomach N	C0038356	group	Digestive System Diseases; Neoplasms	Neoplastic Process	820	55	0.01	NA	1	1
IRAK1	3654	Subarachn	C0038525	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	501	26	0.01	NA	1	1
IRAK1	3654	Giant Cell A	C0039483	disease	Skin and Connective Tissue Diseases; Immune System Diseases; Nervous S	Disease or Syndrome	260	78	0.01	NA	0	1
IRAK1	3654	Thyroid Dis	C0040128	group	Endocrine System Diseases	Disease or Syndrome	230	26	0.01	NA	1	1
IRAK1	3654	Tuberculos	C0041296	disease	Infections	Disease or Syndrome	1256	328	0.01	NA	1	1
IRAK1	3654	Tuberculos	C0041327	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	358	171	0.01	NA	1	1
IRAK1	3654	Diffuse Lar	C0079744	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1043	127	0.01	NA	1	1
IRAK1	3654	Primary Sjo	C0151449	disease	Eye Diseases; Skin and Connective Tissue Diseases; Musculoskeletal Disea	Disease or Syndrome	312	42	0.01	NA	1	1
IRAK1	3654	Follicular t	C0206682	disease	Neoplasms	Neoplastic Process	293	28	0.01	NA	1	1
IRAK1	3654	Memory in	C0233794	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	763	48	0.01	NA	1	1
IRAK1	3654	Malignant	C0278996	disease	Neoplasms	Neoplastic Process	767	118	0.01	NA	1	1
IRAK1	3654	Superficial	C0333307	disease	Pathological Conditions, Signs and Symptoms	Acquired Abnormality	242	10	0.01	NA	1	1

IRAK1	3654	Helicobact	C0374997	disease	NA	Disease or Syndrome	593	24	0.01	NA	1	1
IRAK1	3654	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	0	1
IRAK1	3654	Hematolog	C0376545	group	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	827	60	0.01	NA	1	1
IRAK1	3654	Chronic sm	C0406317	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	82	3	0.01	NA	1	1
IRAK1	3654	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.01	NA	1	1
IRAK1	3654	Blindness	C0456909	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	393	34	0.01	NA	1	1
IRAK1	3654	Endometri	C0476089	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1597	326	0.01	NA	1	1
IRAK1	3654	Forgetful	C0542476	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Sign or Symptom	429	18	0.01	NA	1	1
IRAK1	3654	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
IRAK1	3654	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	0	1
IRAK1	3654	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
IRAK1	3654	Infection c	C0850666	disease	Infections	Disease or Syndrome	337	56	0.01	NA	1	1
IRAK1	3654	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.01	NA	1	1
IRAK1	3654	Ischemic st	C0948008	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1159	704	0.01	NA	1	1
IRAK1	3654	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
IRAK1	3654	Traditional	C1266025	disease	Neoplasms	Neoplastic Process	90	2	0.01	NA	1	1
IRAK1	3654	Resorption	C1290638	disease	Stomatognathic Diseases	Disease or Syndrome	8	0	0.01	NA	1	1
IRAK1	3654	Primary Ef	C1292753	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	169	0	0.01	NA	1	1
IRAK1	3654	Chronic my	C1292778	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	366	47	0.01	NA	1	1
IRAK1	3654	Adult Diffu	C1332201	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	504	46	0.01	NA	1	1
IRAK1	3654	Adult Lymp	C1332206	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1169	66	0.01	NA	1	1
IRAK1	3654	Childhood	C1332977	disease	Neoplasms	Neoplastic Process	1740	140	0.01	NA	1	1
IRAK1	3654	Childhood	C1332979	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1171	66	0.01	NA	1	1
IRAK1	3654	Classical H	C1333064	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	285	20	0.01	NA	1	1
IRAK1	3654	Juvenile id	C1444844	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	4	1	0.01	NA	1	1
IRAK1	3654	Sjogren's S	C1527336	disease	Eye Diseases; Skin and Connective Tissue Diseases; Musculoskeletal Disea	Disease or Syndrome	481	47	0.01	NA	1	1
IRAK1	3654	Chronic Kid	C1561643	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1074	306	0.01	NA	1	1
IRAK1	3654	Severe Sep	C1719672	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	181	29	0.01	NA	1	1
IRAK1	3654	Chromosor	C1832588	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	65	6	0.01	NA	1	1
IRAK1	3654	THROMBO	C1839163	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	30	18	0.01	NA	1	1
IRAK1	3654	PEELING SI	C1849193	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	67	11	0.01	NA	1	1
IRAK1	3654	Adult Class	C2347747	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	233	10	0.01	NA	1	1
IRAK1	3654	Childhood	C2347761	disease	Hemic and Lymphatic Diseases	Neoplastic Process	335	20	0.01	NA	1	1
IRAK1	3654	Nonalcoho	C3241937	disease	Digestive System Diseases	Disease or Syndrome	434	17	0.01	NA	1	1
IRAK1	3654	MYELODYS	C3463824	group	Hemic and Lymphatic Diseases	Neoplastic Process	1033	95	0.01	NA	1	1
IRAK1	3654	Juvenile ar	C3495559	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	450	128	0.01	NA	1	1
IRAK1	3654	Enthesitis-	C3495919	disease	Musculoskeletal Diseases	Disease or Syndrome	42	2	0.01	NA	1	1
IRAK1	3654	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.01	NA	1	1
IRAK1	3654	Juvenile rh	C3714757	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	183	10	0.01	NA	1	1
IRAK1	3654	Inflammat	C3875321	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	382	6	0.01	NA	1	1
IRAK1	3654	Head and N	C3887461	disease	Neoplasms	Neoplastic Process	786	118	0.01	NA	1	1
IRAK1	3654	Skin Erosio	C3887524	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	225	2	0.01	NA	1	1
IRAK1	3654	Adult Mye	C3900098	disease	Hemic and Lymphatic Diseases	Neoplastic Process	332	20	0.01	NA	1	1
IRAK1	3654	Inflammat	C4020969	disease	NA	Disease or Syndrome	88	1	0.01	NA	1	1
IRAK1	3654	Necrotizing	C4082937	disease	Digestive System Diseases	Disease or Syndrome	210	26	0.01	NA	1	1
IRAK1	3654	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
IRAK1	3654	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
IRAK1	3654	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.01	NA	1	1
PIK3AP1	118788	Narcolepsy	C0027404	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	308	454	0.1	NA	1	1
PIK3AP1	118788	Alanine am	C0201836	phenotype	NA	Laboratory Procedure	41	77	0.1	NA	1	1

PIK3AP1	118788	Serum Alar	C1883008	phenotype	NA	Laboratory Procedure	41	77	0.1	NA	1	1
PIK3AP1	118788	Secondary	C4721579	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	397	68	0.1	NA	1	1
PIK3AP1	118788	Burkitt Lyn	C0006413	disease	Neoplasms; Infections; Immune System Diseases; Hemic and Lymphatic	Neoplastic Process	556	13	0.01	NA	1	1
PIK3AP1	118788	Encephalo	C0014070	disease	Infections; Nervous System Diseases	Disease or Syndrome	865	7	0.01	NA	1	1
PIK3AP1	118788	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
PIK3AP1	118788	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
PIK3AP1	118788	Adult Burk	C0278764	disease	Neoplasms; Infections; Immune System Diseases; Hemic and Lymphatic	Neoplastic Process	475	7	0.01	NA	1	1
PIK3AP1	118788	Childhood	C0278879	disease	Neoplasms; Infections; Immune System Diseases; Hemic and Lymphatic	Neoplastic Process	477	7	0.01	NA	1	1
PIK3AP1	118788	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
PIK3AP1	118788	Sarcoma	C1261473	group	Neoplasms	Neoplastic Process	853	42	0.01	NA	1	1
PIK3AP1	118788	Neurodeve	C1535926	group	Mental Disorders	Mental or Behavioral Dysfunc	535	14	0.01	NA	1	1
PIK3AP1	118788	Allergic rhi	C2607914	disease	Respiratory Tract Diseases; Immune System Diseases; Otorhinolaryngolog	Disease or Syndrome	446	176	0.01	NA	1	1
PIK3AP1	118788	Malignant	C4551686	group	Neoplasms	Neoplastic Process	699	32	0.01	NA	1	1
SLC25A14	9016	Encephalo	C0014070	disease	Infections; Nervous System Diseases	Disease or Syndrome	865	7	0.02	NA	1	2
SLC25A14	9016	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
SLC25A14	9016	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.01	NA	1	1
SLC25A14	9016	Embolic str	C0262469	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	13	2	0.01	NA	1	1
SLC25A14	9016	Brain Infar	C0751955	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	114	11	0.01	NA	1	1
SH2D5	400745	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.01	NA	1	1
SH2D5	400745	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.01	NA	1	1
SH2D5	400745	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
SH2D5	400745	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
SH2D5	400745	Liver carcir	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
SH2D5	400745	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
NCAPH	23397	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.4	limited	1	1
NCAPH	23397	Liver carcir	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.31	NA	1	2
NCAPH	23397	MICROCEP	C4693843	disease	NA	Disease or Syndrome	1	1	0.3	NA	1	1
NCAPH	23397	Moderate	C0026351	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	251	94	0.1	NA	NA	0
NCAPH	23397	Sloping for	C1857679	phenotype	NA	Finding	149	5	0.1	NA	NA	0
NCAPH	23397	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.01	NA	1	1
NCAPH	23397	Congenital	C0008626	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	757	47	0.01	NA	1	1
NCAPH	23397	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
NCAPH	23397	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
NCAPH	23397	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
NCAPH	23397	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1
NCAPH	23397	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.01	NA	1	1
NCAPH	23397	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
NCAPH	23397	Metastatic	C4721208	disease	NA	Neoplastic Process	140	2	0.01	NA	1	1
ICMT	23463	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.07	NA	0.857	7
ICMT	23463	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.06	NA	1	6
ICMT	23463	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.06	NA	0.833	6
ICMT	23463	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.02	NA	1	2
ICMT	23463	Progeria	C0033300	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	118	41	0.02	NA	1	2
ICMT	23463	Liver carcir	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.02	NA	1	2
ICMT	23463	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
ICMT	23463	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.01	NA	1	1
ICMT	23463	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.01	NA	1	1
ICMT	23463	Myeloid Le	C0023473	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	1172	115	0.01	NA	1	1
ICMT	23463	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
ICMT	23463	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1

ICMT	23463	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	0	1
ICMT	23463	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
ICMT	23463	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.01	NA	1	1
ICMT	23463	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	0	1
ICMT	23463	Disseminat	C0346957	phenotype	Neoplasms	Neoplastic Process	232	4	0.01	NA	1	1
ICMT	23463	Lower Urin	C0574785	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	77	30	0.01	NA	1	1
ICMT	23463	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.01	NA	1	1
ICMT	23463	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
ICMT	23463	Tumor Init	C0598935	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	533	8	0.01	NA	1	1
ICMT	23463	Epithelial c	C0677886	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	1224	129	0.01	NA	1	1
ICMT	23463	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
ICMT	23463	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.01	NA	1	1
ICMT	23463	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
ICMT	23463	Primary m	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
ICMT	23463	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.01	NA	1	1
ICMT	23463	Malignant	C1608408	phenotype	NA	Neoplastic Process	1027	20	0.01	NA	1	1
ICMT	23463	Low grade	C1997217	disease	Neoplasms	Neoplastic Process	85	10	0.01	NA	1	1
ICMT	23463	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.01	NA	1	1
ICMT	23463	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
ICMT	23463	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.01	NA	1	1
ICMT	23463	PATENT DU	C4282128	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	229	12	0.01	NA	1	1
ICMT	23463	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
GDI2	2665	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.3	NA	1	1
GDI2	2665	Blood Prot	C2985280	phenotype	NA	Laboratory Procedure	1156	2575	0.1	NA	1	1
GDI2	2665	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.02	NA	1	2
GDI2	2665	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
GDI2	2665	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
GDI2	2665	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.01	NA	1	1
GDI2	2665	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
GDI2	2665	Down Synd	C0013080	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	766	80	0.01	NA	1	1
GDI2	2665	Herpesviri	C0019372	group	Infections	Disease or Syndrome	62	3	0.01	NA	0	1
GDI2	2665	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.01	NA	1	1
GDI2	2665	Mental Ret	C0025362	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Mental or Behavioral Dysfunc	505	98	0.01	NA	1	1
GDI2	2665	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	0	1
GDI2	2665	Rett Syndr	C0035372	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	234	368	0.01	NA	1	1
GDI2	2665	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
GDI2	2665	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.01	NA	1	1
GDI2	2665	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.01	NA	1	1
GDI2	2665	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
GDI2	2665	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
GDI2	2665	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
GDI2	2665	Primary m	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
GDI2	2665	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.01	NA	1	1
PYCR3	65263	Red cell dis	C0427460	phenotype	NA	Laboratory Procedure	593	988	0.1	NA	1	1
PYCR3	65263	RDW - Red	C1304746	phenotype	NA	Laboratory or Test Result	593	988	0.1	NA	1	1
IDH3B	3420	Retinitis Pi	C2675496	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Disease or Syndrome	1	1	0.7	NA	1	1
IDH3B	3420	Retinitis Pi	C0035334	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Disease or Syndrome	546	541	0.51	strong	1	1
IDH3B	3420	Disorder o	C0015397	group	Eye Diseases	Disease or Syndrome	400	14	0.3	NA	NA	0
IDH3B	3420	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.3	NA	1	1
IDH3B	3420	Stomach N	C0038356	group	Digestive System Diseases; Neoplasms	Neoplastic Process	820	55	0.3	NA	1	1

IDH3B	3420	Disease Ex	C0235874	phenotype	Pathological Conditions, Signs and Symptoms	Finding	166	0	0.3	NA	1	1
IDH3B	3420	Hereditary	C1708349	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	312	119	0.3	NA	1	1
IDH3B	3420	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.1	NA	NA	0
IDH3B	3420	Glaucoma	C0017601	disease	Eye Diseases	Disease or Syndrome	770	198	0.1	NA	NA	0
IDH3B	3420	Conductive	C0018777	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	291	5	0.1	NA	NA	0
IDH3B	3420	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	783	111	0.1	NA	NA	0
IDH3B	3420	Hyperinsul	C0020459	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	620	64	0.1	NA	NA	0
IDH3B	3420	Hypogonad	C0020619	disease	Endocrine System Diseases	Disease or Syndrome	305	24	0.1	NA	NA	0
IDH3B	3420	Keratocon	C0022578	disease	Eye Diseases	Disease or Syndrome	269	83	0.1	NA	NA	0
IDH3B	3420	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
IDH3B	3420	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.1	NA	NA	0
IDH3B	3420	Ophthalmo	C0029089	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Sign or Symptom	216	12	0.1	NA	NA	0
IDH3B	3420	Optic Atro	C0029124	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	568	51	0.1	NA	NA	0
IDH3B	3420	Photophob	C0085636	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Sign or Symptom	227	7	0.1	NA	NA	0
IDH3B	3420	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.1	NA	NA	0
IDH3B	3420	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
IDH3B	3420	Visual field	C0235095	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	57	1	0.1	NA	NA	0
IDH3B	3420	Congenital	C0266435	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	237	0	0.1	NA	NA	0
IDH3B	3420	Blindness	C0456909	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	393	34	0.1	NA	NA	0
IDH3B	3420	Electroreti	C0476397	phenotype	NA	Finding	158	10	0.1	NA	NA	0
IDH3B	3420	Pallor of o	C0554970	phenotype	NA	Finding	98	4	0.1	NA	NA	0
IDH3B	3420	Decreased	C1839025	phenotype	NA	Finding	15	1	0.1	NA	NA	0
IDH3B	3420	Anteverted	C1840077	phenotype	NA	Finding	407	35	0.1	NA	NA	0
IDH3B	3420	Nasal bridg	C1849367	phenotype	NA	Finding	429	29	0.1	NA	NA	0
IDH3B	3420	Abnormali	C1862475	phenotype	NA	Finding	215	5	0.1	NA	NA	0
IDH3B	3420	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
IDH3B	3420	Attenuatio	C3278975	phenotype	NA	Finding	41	2	0.1	NA	NA	0
IDH3B	3420	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
IDH3B	3420	Atypical sc	C4021786	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	101	1	0.1	NA	NA	0
IDH3B	3420	Progressive	C4024818	phenotype	Eye Diseases	Finding	87	3	0.1	NA	NA	0
IDH3B	3420	Rod-Cone	C4551714	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	194	33	0.1	NA	NA	0
IDH3B	3420	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
IDH3B	3420	Bipolar Dis	C0005586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1183	839	0.01	NA	0	1
IDH3B	3420	Hidradenit	C0162836	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	82	2	0.01	NA	1	1
IDH3B	3420	Autosomal	C0339526	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	82	31	0.01	NA	1	1
IDH3B	3420	Retinal Dys	C0854723	group	Eye Diseases	Disease or Syndrome	219	227	0.01	NA	1	1
JADE1	79960	mathemat	C0596887	phenotype	NA	Mental Process	854	2127	0.1	NA	1	1
JADE1	79960	Kidney Ne	C0022665	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	295	11	0.04	NA	1	4
JADE1	79960	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.03	NA	1	3
JADE1	79960	Conventio	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2346	222	0.03	NA	1	3
JADE1	79960	Malignant	C0740457	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	664	22	0.03	NA	1	3
JADE1	79960	Renal carci	C1378703	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	665	21	0.03	NA	1	3
JADE1	79960	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.02	NA	1	2
JADE1	79960	Von Hippe	C0019562	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	174	187	0.01	NA	1	1
JADE1	79960	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.01	NA	1	1
JADE1	79960	Kidney Fail	C0022660	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	826	32	0.01	NA	1	1
JADE1	79960	Polycystic	C0085413	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	280	35	0.01	NA	0	1
JADE1	79960	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
JADE1	79960	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
JADE1	79960	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1

JADE1	79960	Pancreatic	C1335302	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	970	22	0.01	NA	1	1
JADE1	79960	Cystic Kidn	C1691228	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	50	0	0.01	NA	1	1
JADE1	79960	Refractory	C2826323	disease	NA	Neoplastic Process	264	3	0.01	NA	1	1
JADE1	79960	Clear-cell r	C2931852	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	260	11	0.01	NA	1	1
TBXAS1	6916	Ghosal Her	C1856465	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	2	6	0.72	NA	1	3
TBXAS1	6916	Thromboxa	C0398635	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	2	2	0.6	NA	1	1
TBXAS1	6916	GHOSAL H	C4016444	disease	NA	Finding	1	3	0.4	limited	NA	0
TBXAS1	6916	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.31	NA	0	1
TBXAS1	6916	Drug Allerg	C0013182	group	Immune System Diseases; Chemically-Induced Disorders	Pathologic Function	37	0	0.3	NA	1	1
TBXAS1	6916	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.3	NA	1	1
TBXAS1	6916	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.3	NA	1	1
TBXAS1	6916	Arteriosclе	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.21	NA	1	2
TBXAS1	6916	Glomerulo	C0017658	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	391	7	0.2	NA	1	1
TBXAS1	6916	Membranc	C0017665	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	197	33	0.2	NA	1	1
TBXAS1	6916	Hydroneph	C0020295	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	253	18	0.2	NA	1	1
TBXAS1	6916	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.2	NA	1	2
TBXAS1	6916	Alcoholic L	C0023896	group	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	195	20	0.2	NA	1	1
TBXAS1	6916	Pulmonary	C0034065	disease	Respiratory Tract Diseases; Cardiovascular Diseases	Pathologic Function	93	16	0.2	NA	1	1
TBXAS1	6916	Reperfusio	C0035126	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Injury or Poisoning	300	0	0.2	NA	1	2
TBXAS1	6916	Thrombosi	C0040053	phenotype	Cardiovascular Diseases	Pathologic Function	98	0	0.2	NA	1	1
TBXAS1	6916	Pancreatiti	C0267941	disease	Digestive System Diseases	Disease or Syndrome	62	1	0.2	NA	1	1
TBXAS1	6916	Endotoxen	C0376618	phenotype	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	401	5	0.2	NA	1	1
TBXAS1	6916	Brain Infar	C0751955	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	114	11	0.2	NA	1	1
TBXAS1	6916	Primary M	C0001815	disease	Hemic and Lymphatic Diseases	Neoplastic Process	282	29	0.1	NA	NA	0
TBXAS1	6916	Anemia	C0002871	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	847	94	0.1	NA	NA	0
TBXAS1	6916	Refractory	C0002893	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	340	11	0.1	NA	NA	0
TBXAS1	6916	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
TBXAS1	6916	Camurati-E	C0011989	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	34	10	0.1	NA	NA	0
TBXAS1	6916	Ecchymosi	C0013491	phenotype	Pathological Conditions, Signs and Symptoms; Hemic and Lymphatic Diseas	Pathologic Function	41	2	0.1	NA	NA	0
TBXAS1	6916	Epistaxis	C0014591	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases;	Pathologic Function	82	4	0.1	NA	NA	0
TBXAS1	6916	White Bloc	C0023508	phenotype	NA	Laboratory Procedure	681	1322	0.1	NA	1	1
TBXAS1	6916	Osteoscler	C0029464	disease	Musculoskeletal Diseases	Disease or Syndrome	82	1	0.1	NA	NA	0
TBXAS1	6916	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.1	NA	1	1
TBXAS1	6916	Speech Dis	C0037822	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	183	7	0.1	NA	NA	0
TBXAS1	6916	Splenomeg	C0038002	phenotype	Pathological Conditions, Signs and Symptoms	Finding	345	19	0.1	NA	NA	0
TBXAS1	6916	Thrombocy	C0040034	phenotype	Hemic and Lymphatic Diseases	Disease or Syndrome	592	110	0.1	NA	NA	0
TBXAS1	6916	Prolonged	C0151529	phenotype	NA	Finding	39	3	0.1	NA	NA	0
TBXAS1	6916	Eosinophil	C0200638	phenotype	NA	Laboratory Procedure	610	1144	0.1	NA	1	1
TBXAS1	6916	Triglyceric	C0202236	phenotype	NA	Laboratory Procedure	563	1418	0.1	NA	1	1
TBXAS1	6916	Increased t	C0423798	phenotype	Wounds and Injuries	Finding	133	14	0.1	NA	NA	0
TBXAS1	6916	Systolic Pre	C0871470	phenotype	NA	Clinical Attribute	843	1931	0.1	NA	1	1
TBXAS1	6916	Diaphyseal	C1835473	phenotype	NA	Finding	14	0	0.1	NA	NA	0
TBXAS1	6916	Abnormal t	C1839326	phenotype	NA	Finding	89	0	0.1	NA	NA	0
TBXAS1	6916	Hyperosto	C1840404	phenotype	Musculoskeletal Diseases	Finding	2	1	0.1	NA	NA	0
TBXAS1	6916	Bowing of	C1855340	phenotype	NA	Congenital Abnormality	63	5	0.1	NA	NA	0
TBXAS1	6916	Bone marr	C1855710	phenotype	NA	Finding	64	5	0.1	NA	NA	0
TBXAS1	6916	Craniofacia	C1868085	phenotype	NA	Finding	25	0	0.1	NA	NA	0
TBXAS1	6916	Decreased	C3279980	phenotype	NA	Finding	2	0	0.1	NA	NA	0
TBXAS1	6916	Abnormali	C4020847	disease	NA	Anatomical Abnormality	55	5	0.1	NA	NA	0
TBXAS1	6916	Abnormal	C4021741	disease	NA	Anatomical Abnormality	41	0	0.1	NA	NA	0

TBXAS1	6916	Abnormali	C4021750	disease	NA	Anatomical Abnormality	33	1	0.1	NA	NA	0
TBXAS1	6916	Abnormali	C4023616	phenotype	NA	Pathologic Function	42	1	0.1	NA	NA	0
TBXAS1	6916	Abnormali	C4025663	disease	NA	Anatomical Abnormality	13	2	0.1	NA	NA	0
TBXAS1	6916	Abnormali	C4025814	disease	NA	Anatomical Abnormality	97	0	0.1	NA	NA	0
TBXAS1	6916	Chemical a	C4277682	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	461	38	0.1	NA	1	1
TBXAS1	6916	Diaphyseal	C4551852	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	2	0	0.1	NA	NA	0
TBXAS1	6916	Cerebrova	C0038454	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1658	591	0.03	NA	0.667	3
TBXAS1	6916	Ischemic st	C0948008	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1159	704	0.02	NA	1	2
TBXAS1	6916	aspirin into	C0004059	phenotype	NA	Sign or Symptom	23	4	0.01	NA	1	1
TBXAS1	6916	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	1	1
TBXAS1	6916	Ataxia Tela	C0004135	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	384	698	0.01	NA	1	1
TBXAS1	6916	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.01	NA	1	1
TBXAS1	6916	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.01	NA	1	1
TBXAS1	6916	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.01	NA	0	1
TBXAS1	6916	Cerebral In	C0007785	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; C	Disease or Syndrome	687	123	0.01	NA	1	1
TBXAS1	6916	Ulcerative	C0009324	disease	Digestive System Diseases	Disease or Syndrome	1458	827	0.01	NA	1	1
TBXAS1	6916	Acute Eryt	C0023440	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	302	5	0.01	NA	1	1
TBXAS1	6916	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.01	NA	1	1
TBXAS1	6916	Mesotheli	C0025500	disease	Neoplasms	Neoplastic Process	560	4	0.01	NA	1	1
TBXAS1	6916	Myocardia	C0027051	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	1800	680	0.01	NA	1	1
TBXAS1	6916	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
TBXAS1	6916	Pancytope	C0030312	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	253	15	0.01	NA	1	1
TBXAS1	6916	Pituitary N	C0032019	group	Neoplasms; Nervous System Diseases; Endocrine System Diseases	Neoplastic Process	131	1	0.01	NA	1	1
TBXAS1	6916	Iron Overlo	C0282193	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	241	53	0.01	NA	1	1
TBXAS1	6916	Malignant	C0345967	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	420	12	0.01	NA	1	1
TBXAS1	6916	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	0	1
TBXAS1	6916	Malignant	C0812413	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	421	15	0.01	NA	1	1
TBXAS1	6916	Adult Eryth	C2347748	disease	NA	Neoplastic Process	236	4	0.01	NA	1	1
TBXAS1	6916	Abnormal	C4025630	disease	NA	Anatomical Abnormality	7	0	0.01	NA	1	1
TBXAS1	6916	Erythroleu	C4520840	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	237	4	0.01	NA	1	1
TBXAS1	6916	Large-arte	C4699512	disease	NA	Disease or Syndrome	48	35	0.01	NA	1	1
ADGRB3	577	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.1	NA	1	1
ADGRB3	577	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
ADGRB3	577	Adolescent	C0410702	disease	Musculoskeletal Diseases	Anatomical Abnormality	656	1178	0.1	NA	1	1
ADGRB3	577	Body mass	C1305855	phenotype	NA	Clinical Attribute	1014	2689	0.1	NA	1	1
ADGRB3	577	SCOLIOSIS,	C1837461	disease	NA	Finding	578	1158	0.1	NA	1	1
ADGRB3	577	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.01	NA	1	1
ADGRB3	577	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.01	NA	1	1
ADGRB3	577	Behavior D	C0004930	group	Mental Disorders	Mental or Behavioral Dysfunc	77	4	0.01	NA	1	1
ADGRB3	577	Mental dis	C0004936	group	Mental Disorders	Mental or Behavioral Dysfunc	789	149	0.01	NA	1	1
ADGRB3	577	Brain Neop	C0006118	group	Neoplasms; Nervous System Diseases	Neoplastic Process	1018	204	0.01	NA	1	1
ADGRB3	577	Cerebellar	C0007758	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	441	120	0.01	NA	1	1
ADGRB3	577	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
ADGRB3	577	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
ADGRB3	577	Small cell c	C0149925	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	972	125	0.01	NA	1	1
ADGRB3	577	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.01	NA	1	1
ADGRB3	577	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
ADGRB3	577	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
ADGRB3	577	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.01	NA	1	1
ADGRB3	577	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.01	NA	1	1

ADGRB3	577	Malignant	C0555198	disease	Neoplasms	Neoplastic Process	724	22	0.01	NA	1	1
ADGRB3	577	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.01	NA	1	1
ADGRB3	577	Primary sc	C0566602	disease	Digestive System Diseases	Disease or Syndrome	264	58	0.01	NA	1	1
ADGRB3	577	Large cell r	C1265996	disease	Neoplasms	Neoplastic Process	91	3	0.01	NA	1	1
ADGRB3	577	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
ADGRB3	577	Venous Th	C1861172	phenotype	Cardiovascular Diseases	Disease or Syndrome	378	408	0.01	NA	1	1
ADGRB3	577	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.01	NA	1	1
LPCAT4	254531	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
LPCAT4	254531	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
DDA1	79016	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.1	NA	1	1
DDA1	79016	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.1	NA	1	1
DDA1	79016	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.02	NA	1	2
DDA1	79016	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
DDA1	79016	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.01	NA	1	1
DDA1	79016	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.01	NA	1	1
DDA1	79016	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
DDA1	79016	Stage II Co	C0278479	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	49	3	0.01	NA	1	1
DDA1	79016	Recurrent	C0521158	phenotype	NA	Neoplastic Process	735	33	0.01	NA	1	1
DDA1	79016	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
DDA1	79016	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.01	NA	1	1
DDA1	79016	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.01	NA	1	1
DDA1	79016	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
DDA1	79016	Primary m	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
DDA1	79016	Stage II Co	C3146257	disease	NA	Neoplastic Process	48	3	0.01	NA	1	1
DDA1	79016	Stage II Co	C4525119	disease	NA	Neoplastic Process	48	3	0.01	NA	1	1
DDA1	79016	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
FAM3A	60343	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.02	NA	1	2
FAM3A	60343	Hyperglyce	C0020456	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	1098	108	0.02	NA	1	2
FAM3A	60343	Non-alcoh	C0400966	disease	Digestive System Diseases	Disease or Syndrome	1058	222	0.02	NA	1	2
FAM3A	60343	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
FAM3A	60343	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.01	NA	1	1
FAM3A	60343	Vascular D	C0042373	group	Cardiovascular Diseases	Disease or Syndrome	688	40	0.01	NA	1	1
FAM3A	60343	Chronic ce	C0265116	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	8	0	0.01	NA	1	1
FAM3A	60343	Limb ische	C2945695	disease	NA	Disease or Syndrome	171	3	0.01	NA	1	1
ABCC12	94160	Bone Marr	C0005956	group	Hemic and Lymphatic Diseases	Disease or Syndrome	84	3	0.3	NA	1	1
ABCC12	94160	Drug toxici	C0013221	group	Chemically-Induced Disorders	Injury or Poisoning	86	0	0.3	NA	1	1
ABCC12	94160	Adverse re	C0041755	group	Chemically-Induced Disorders	Pathologic Function	87	0	0.3	NA	1	1
ABCC12	94160	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
ABCC12	94160	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
ABCC12	94160	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
ABCC12	94160	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
AGRN	375790	MYASTHEN	C3808739	disease	NA	Disease or Syndrome	1	5	0.8	NA	1	4
AGRN	375790	Myastheni	C0751882	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	57	40	0.65	strong	1	7
AGRN	375790	Congenital	C0751883	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	18	0	0.5	NA	1	2
AGRN	375790	Congenital	C0751884	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	19	0	0.5	NA	1	2
AGRN	375790	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.3	NA	1	1
AGRN	375790	Acute Mye	C0026998	disease	Neoplasms	Neoplastic Process	138	0	0.3	NA	1	1
AGRN	375790	Myastheni	C0751885	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	18	1	0.3	NA	NA	0
AGRN	375790	Congenital	C1850792	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	3	30	0.3	limited	NA	0
AGRN	375790	Acute Mye	C1879321	disease	Neoplasms	Neoplastic Process	143	5	0.3	NA	1	1

AGRN	375790	Myastheni	C0947912	disease	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Disease or Syndrome	41	3	0.11	NA	1	1
AGRN	375790	Apnea	C0003578	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	262	11	0.1	NA	NA	0
AGRN	375790	Arthrogryp	C0003886	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	198	33	0.1	NA	NA	0
AGRN	375790	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
AGRN	375790	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
AGRN	375790	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
AGRN	375790	Cyanosis	C0010520	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	54	2	0.1	NA	NA	0
AGRN	375790	Deglutition	C0011168	group	Digestive System Diseases; Otorhinolaryngologic Diseases	Disease or Syndrome	389	50	0.1	NA	NA	0
AGRN	375790	Diplopia	C0012569	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	75	5	0.1	NA	NA	0
AGRN	375790	Drowsines	C0013144	phenotype	Mental Disorders	Finding	31	3	0.1	NA	NA	0
AGRN	375790	Esotropia	C0014877	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	121	39	0.1	NA	NA	0
AGRN	375790	Facial para	C0015469	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	182	3	0.1	NA	NA	0
AGRN	375790	Gastroesop	C0017168	disease	Digestive System Diseases	Disease or Syndrome	446	52	0.1	NA	NA	0
AGRN	375790	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	783	111	0.1	NA	NA	0
AGRN	375790	Polyhydran	C0020224	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	208	28	0.1	NA	NA	0
AGRN	375790	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
AGRN	375790	Ophthalmo	C0029089	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Sign or Symptom	216	12	0.1	NA	NA	0
AGRN	375790	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
AGRN	375790	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
AGRN	375790	Stridor	C0038450	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	31	7	0.1	NA	NA	0
AGRN	375790	Talipes cav	C0039273	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	213	2	0.1	NA	NA	0
AGRN	375790	Orthopnea	C0085619	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Finding	13	0	0.1	NA	NA	0
AGRN	375790	Joint laxity	C0086437	phenotype	Musculoskeletal Diseases	Pathologic Function	224	15	0.1	NA	NA	0
AGRN	375790	Hyporeflex	C0151888	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	312	0	0.1	NA	NA	0
AGRN	375790	Congenital	C0158731	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	138	26	0.1	NA	NA	0
AGRN	375790	Respirator	C0162297	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases;	Pathologic Function	12	2	0.1	NA	NA	0
AGRN	375790	Proximal m	C0221629	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	112	11	0.1	NA	NA	0
AGRN	375790	Waddling g	C0231712	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	113	8	0.1	NA	NA	0
AGRN	375790	Dyspnea o	C0231807	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	102	3	0.1	NA	NA	0
AGRN	375790	Nasal regu	C0232608	phenotype	NA	Sign or Symptom	14	0	0.1	NA	NA	0
AGRN	375790	Absent ref	C0234146	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	201	16	0.1	NA	NA	0
AGRN	375790	Weak cry	C0234860	phenotype	NA	Finding	42	4	0.1	NA	NA	0
AGRN	375790	Reduced fe	C0235659	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Finding	169	17	0.1	NA	NA	0
AGRN	375790	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
AGRN	375790	Neck musc	C0240479	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	49	1	0.1	NA	NA	0
AGRN	375790	Byzanthine	C0240635	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	497	70	0.1	NA	NA	0
AGRN	375790	Polyneurop	C0271683	disease	Nervous System Diseases	Disease or Syndrome	32	3	0.1	NA	NA	0
AGRN	375790	Difficulty w	C0311394	phenotype	Pathological Conditions, Signs and Symptoms	Finding	224	30	0.1	NA	NA	0
AGRN	375790	Muscle fib	C0333751	phenotype	NA	Cell or Molecular Dysfunction	25	2	0.1	NA	NA	0
AGRN	375790	Congenital	C0345392	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	151	2	0.1	NA	NA	0
AGRN	375790	Narrow th	C0426790	phenotype	NA	Finding	112	18	0.1	NA	NA	0
AGRN	375790	Shoulder g	C0427063	phenotype	NA	Finding	39	4	0.1	NA	NA	0
AGRN	375790	Toe-walkin	C0427144	phenotype	NA	Finding	50	4	0.1	NA	NA	0
AGRN	375790	Reduced v	C0476408	phenotype	NA	Finding	29	0	0.1	NA	NA	0
AGRN	375790	Sleep Apne	C0520679	disease	Respiratory Tract Diseases; Nervous System Diseases	Disease or Syndrome	480	105	0.1	NA	NA	0
AGRN	375790	Sleep Apne	C0520680	disease	Respiratory Tract Diseases; Nervous System Diseases	Disease or Syndrome	122	17	0.1	NA	NA	0
AGRN	375790	Clumsiness	C0520947	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	393	2	0.1	NA	NA	0
AGRN	375790	Skeletal m	C0541794	phenotype	NA	Pathologic Function	306	12	0.1	NA	NA	0
AGRN	375790	Nasal voice	C0566620	phenotype	NA	Finding	93	3	0.1	NA	NA	0
AGRN	375790	Deformity	C0575157	disease	NA	Anatomical Abnormality	58	2	0.1	NA	NA	0

AGRN	375790	Kyphoscoli	C0575158	disease	Musculoskeletal Diseases	Anatomical Abnormality	155	17	0.1	NA	NA	0
AGRN	375790	Acquired K	C0600033	disease	Musculoskeletal Diseases	Acquired Abnormality	149	2	0.1	NA	NA	0
AGRN	375790	Generalize	C0746674	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	126	4	0.1	NA	NA	0
AGRN	375790	Ophthalmo	C0751401	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Sign or Symptom	61	4	0.1	NA	NA	0
AGRN	375790	Respirator	C1145670	disease	Respiratory Tract Diseases	Disease or Syndrome	319	23	0.1	NA	NA	0
AGRN	375790	Dysphonia	C1527344	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases;	Mental or Behavioral Dysfunc	77	4	0.1	NA	NA	0
AGRN	375790	Weakness	C1834536	phenotype	NA	Finding	21	0	0.1	NA	NA	0
AGRN	375790	Poor head	C1836038	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	162	13	0.1	NA	NA	0
AGRN	375790	Long face	C1836047	phenotype	NA	Finding	182	12	0.1	NA	NA	0
AGRN	375790	Distal lowe	C1836450	phenotype	NA	Finding	49	11	0.1	NA	NA	0
AGRN	375790	Easy fatiga	C1837098	phenotype	NA	Finding	74	5	0.1	NA	NA	0
AGRN	375790	Poor suck	C1837142	phenotype	NA	Finding	103	31	0.1	NA	NA	0
AGRN	375790	Gross mot	C1837658	disease	Mental Disorders	Disease or Syndrome	118	59	0.1	NA	NA	0
AGRN	375790	Microretro	C1839546	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	53	6	0.1	NA	NA	0
AGRN	375790	Central hyp	C1842364	phenotype	NA	Finding	50	25	0.1	NA	NA	0
AGRN	375790	Neck flexo	C1843637	phenotype	NA	Finding	30	0	0.1	NA	NA	0
AGRN	375790	Episodic re	C1844945	phenotype	NA	Finding	21	0	0.1	NA	NA	0
AGRN	375790	Distal amy	C1848736	disease	NA	Disease or Syndrome	106	7	0.1	NA	NA	0
AGRN	375790	Decreased	C1853952	phenotype	NA	Finding	13	0	0.1	NA	NA	0
AGRN	375790	Motor dela	C1854301	phenotype	Mental Disorders	Finding	384	34	0.1	NA	NA	0
AGRN	375790	Type 1 mu	C1854387	phenotype	NA	Finding	44	0	0.1	NA	NA	0
AGRN	375790	Spinal rigid	C1858025	phenotype	NA	Finding	55	3	0.1	NA	NA	0
AGRN	375790	Limb-girdle	C1858127	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	41	3	0.1	NA	NA	0
AGRN	375790	Frontalis m	C1859438	phenotype	Infections; Nervous System Diseases; Stomatognathic Diseases	Finding	10	0	0.1	NA	NA	0
AGRN	375790	Variable ex	C1861403	phenotype	NA	Finding	319	0	0.1	NA	NA	0
AGRN	375790	Reduced te	C1866934	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	121	8	0.1	NA	NA	0
AGRN	375790	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
AGRN	375790	Ankle weal	C2228039	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	16	0	0.1	NA	NA	0
AGRN	375790	Triceps we	C2230441	phenotype	NA	Finding	18	0	0.1	NA	NA	0
AGRN	375790	Somnolenc	C2830004	phenotype	Pathological Conditions, Signs and Symptoms	Mental or Behavioral Dysfunc	87	8	0.1	NA	NA	0
AGRN	375790	Restrictive	C3277226	phenotype	NA	Finding	61	8	0.1	NA	NA	0
AGRN	375790	Hip flexor v	C3279725	phenotype	NA	Finding	16	1	0.1	NA	NA	0
AGRN	375790	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
AGRN	375790	Apneic epi	C3806462	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Finding	12	0	0.1	NA	NA	0
AGRN	375790	Recurrent	C3806482	phenotype	Infections; Respiratory Tract Diseases	Finding	318	7	0.1	NA	NA	0
AGRN	375790	Intermitter	C3807025	phenotype	NA	Finding	14	0	0.1	NA	NA	0
AGRN	375790	Staring gaz	C3809827	phenotype	NA	Finding	16	1	0.1	NA	NA	0
AGRN	375790	Thoracic ky	C4015465	phenotype	NA	Finding	19	0	0.1	NA	NA	0
AGRN	375790	Narrow jav	C4021066	phenotype	NA	Finding	11	0	0.1	NA	NA	0
AGRN	375790	EMG: myo	C4021726	phenotype	Musculoskeletal Diseases; Nervous System Diseases	Pathologic Function	115	16	0.1	NA	NA	0
AGRN	375790	EMG: decr	C4021728	phenotype	NA	Finding	24	0	0.1	NA	NA	0
AGRN	375790	EEG with p	C4021757	phenotype	NA	Finding	30	0	0.1	NA	NA	0
AGRN	375790	EMG: impa	C4022168	phenotype	NA	Finding	11	0	0.1	NA	NA	0
AGRN	375790	Fatigable v	C4022584	phenotype	NA	Finding	13	0	0.1	NA	NA	0
AGRN	375790	Fatigable v	C4022587	phenotype	NA	Finding	60	0	0.1	NA	NA	0
AGRN	375790	Weakness	C4024601	phenotype	NA	Finding	18	0	0.1	NA	NA	0
AGRN	375790	Decreased	C4025615	disease	NA	Anatomical Abnormality	15	0	0.1	NA	NA	0
AGRN	375790	Sudden ep	C4025671	disease	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Disease or Syndrome	14	0	0.1	NA	NA	0
AGRN	375790	Abnormali	C4073190	phenotype	NA	Anatomical Abnormality	17	0	0.1	NA	NA	0
AGRN	375790	Bulbar pals	C4082299	disease	Nervous System Diseases	Disease or Syndrome	48	5	0.1	NA	NA	0

AGRN	375790	Choking ep	C4280747	phenotype	NA	Pathologic Function	12	1	0.1	NA	NA	0
AGRN	375790	Congenital	C4551649	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	147	27	0.1	NA	NA	0
AGRN	375790	Generalize	C4552811	phenotype	NA	Finding	117	0	0.1	NA	NA	0
AGRN	375790	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
AGRN	375790	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.02	NA	1	2
AGRN	375790	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.02	NA	1	2
AGRN	375790	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
AGRN	375790	Paresis	C0030552	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	216	49	0.01	NA	1	1
AGRN	375790	Muscle We	C0151786	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	536	87	0.01	NA	1	1
AGRN	375790	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
AGRN	375790	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.01	NA	1	1
AGRN	375790	Carcinoma	C0278488	disease	NA	Neoplastic Process	573	14	0.01	NA	1	1
AGRN	375790	Tactile Allo	C0751213	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	114	0	0.01	NA	1	1
AGRN	375790	Pena-Shok	C1276035	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	40	21	0.01	NA	1	1
AGRN	375790	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
EXO1	9156	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.43	NA	1	5
EXO1	9156	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.36	NA	0.857	7
EXO1	9156	Hereditary	C1333990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Neoplastic Process	174	1331	0.35	disputed	0.778	9
EXO1	9156	Liver carcir	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.34	NA	1	5
EXO1	9156	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.33	NA	1	4
EXO1	9156	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.33	NA	1	3
EXO1	9156	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.32	NA	1	3
EXO1	9156	Hereditary	C0009405	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Neoplastic Process	40	875	0.31	disputed	1	6
EXO1	9156	Hereditary	C1112155	disease	NA	Congenital Abnormality	31	0	0.3	disputed	1	6
EXO1	9156	Mammary	C1257931	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	527	0	0.3	NA	1	1
EXO1	9156	Hereditary	C1333991	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	23	154	0.3	disputed	1	6
EXO1	9156	Colorectal	C2936783	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Neoplastic Process	24	179	0.3	disputed	1	6
EXO1	9156	Mammary	C4704874	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	545	0	0.3	NA	1	1
EXO1	9156	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	0.889	18
EXO1	9156	Basal cell c	C0007117	disease	Neoplasms	Neoplastic Process	108	109	0.1	NA	1	1
EXO1	9156	Eosinophil	C0200638	phenotype	NA	Laboratory Procedure	610	1144	0.1	NA	1	1
EXO1	9156	Basal Cell N	C0206710	disease	Neoplasms	Neoplastic Process	58	109	0.1	NA	1	1
EXO1	9156	Basal Cell C	C0751676	disease	Neoplasms	Neoplastic Process	64	109	0.1	NA	1	1
EXO1	9156	Finding of	C1261502	phenotype	NA	Finding	653	1206	0.1	NA	1	1
EXO1	9156	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	0.882	17
EXO1	9156	Age at mer	C1629609	phenotype	NA	Finding	129	209	0.1	NA	1	3
EXO1	9156	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.05	NA	0.8	5
EXO1	9156	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.05	NA	0.8	5
EXO1	9156	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.03	NA	1	3
EXO1	9156	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.03	NA	1	3
EXO1	9156	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.03	NA	1	3
EXO1	9156	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.03	NA	1	3
EXO1	9156	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.03	NA	1	3
EXO1	9156	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.03	NA	1	3
EXO1	9156	Bloom Syn	C0005859	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	155	132	0.02	NA	1	2
EXO1	9156	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.02	NA	1	2
EXO1	9156	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.02	NA	1	2
EXO1	9156	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.01	NA	1	1
EXO1	9156	Astrocyton	C0004114	disease	Neoplasms	Neoplastic Process	985	59	0.01	NA	1	1
EXO1	9156	Ataxia Tela	C0004135	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	384	698	0.01	NA	1	1

EXO1	9156	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2113	316	0.01	NA	1	1
EXO1	9156	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2130	281	0.01	NA	1	1
EXO1	9156	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
EXO1	9156	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.01	NA	1	1
EXO1	9156	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
EXO1	9156	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.01	NA	1	1
EXO1	9156	Fanconi An	C0015625	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	394	173	0.01	NA	1	1
EXO1	9156	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
EXO1	9156	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.01	NA	1	1
EXO1	9156	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.01	NA	1	1
EXO1	9156	Chilblain lu	C0024145	disease	Skin and Connective Tissue Diseases; Wounds and Injuries	Disease or Syndrome	7	9	0.01	NA	1	1
EXO1	9156	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
EXO1	9156	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
EXO1	9156	Premature	C0025322	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	299	90	0.01	NA	0	1
EXO1	9156	Pneumonia	C0032285	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	1032	33	0.01	NA	1	1
EXO1	9156	Retinoblas	C0035335	disease	Neoplasms; Eye Diseases	Neoplastic Process	853	193	0.01	NA	1	1
EXO1	9156	Werner Sy	C0043119	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	130	71	0.01	NA	1	1
EXO1	9156	Xeroderma	C0043346	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Congenital Abnormality	137	35	0.01	NA	1	1
EXO1	9156	Ovarian Fa	C0085215	disease	Female Urogenital Diseases and Pregnancy Complications; Endocrine Syster	Disease or Syndrome	333	115	0.01	NA	0	1
EXO1	9156	Polycystic	C0085413	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	280	35	0.01	NA	1	1
EXO1	9156	Malignant	C0153381	group	Neoplasms; Stomatognathic Diseases	Neoplastic Process	756	184	0.01	NA	1	1
EXO1	9156	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
EXO1	9156	Adult Liver	C0220630	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1377	72	0.01	NA	1	1
EXO1	9156	Lip and Ora	C0220641	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	734	172	0.01	NA	1	1
EXO1	9156	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
EXO1	9156	Malignant	C0278704	disease	Neoplasms	Neoplastic Process	179	34	0.01	NA	1	1
EXO1	9156	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
EXO1	9156	Malignant	C0278996	disease	Neoplasms	Neoplastic Process	767	118	0.01	NA	1	1
EXO1	9156	Liver and I	C0279000	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1395	73	0.01	NA	1	1
EXO1	9156	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
EXO1	9156	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.01	NA	1	1
EXO1	9156	Superficial	C0333307	disease	Pathological Conditions, Signs and Symptoms	Acquired Abnormality	242	10	0.01	NA	1	1
EXO1	9156	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.01	NA	1	1
EXO1	9156	Breast Can	C0346153	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	183	91	0.01	NA	0	1
EXO1	9156	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
EXO1	9156	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
EXO1	9156	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
EXO1	9156	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2104	309	0.01	NA	1	1
EXO1	9156	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
EXO1	9156	Adenoma (	C1302401	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	452	213	0.01	NA	1	1
EXO1	9156	Hepatocar	C1512409	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	855	24	0.01	NA	0	1
EXO1	9156	Malignant	C1608408	phenotype	NA	Neoplastic Process	1027	20	0.01	NA	1	1
EXO1	9156	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
EXO1	9156	HIV-1 infec	C2363741	disease	NA	Disease or Syndrome	695	94	0.01	NA	1	1
EXO1	9156	Multiple Cl	C3266262	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	929	42	0.01	NA	1	1
EXO1	9156	FANCONI A	C3469521	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	360	194	0.01	NA	1	1
EXO1	9156	Pneumonit	C3714636	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	697	13	0.01	NA	1	1
EXO1	9156	IMMUNOD	C3809768	disease	NA	Disease or Syndrome	22	1	0.01	NA	1	1
EXO1	9156	Head and N	C3887461	disease	Neoplasms	Neoplastic Process	786	118	0.01	NA	1	1
EXO1	9156	Skin Erosio	C3887524	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	225	2	0.01	NA	1	1

EXO1	9156	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.01	NA	1	1
EXO1	9156	Chilblain lu	C4551515	disease	Skin and Connective Tissue Diseases; Hemic and Lymphatic Diseases	Disease or Syndrome	7	2	0.01	NA	1	1
NAA50	80218	Hereditary	C0027889	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	25	6	0.03	NA	1	3
NAA50	80218	Congenital	C0002768	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	14	0	0.01	NA	1	1
NAA50	80218	Anhidrosis	C0003028	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	37	2	0.01	NA	1	1
NAA50	80218	Separation	C0003477	disease	Mental Disorders	Mental or Behavioral Dysfunc	13	2	0.01	NA	1	1
NAA50	80218	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
NAA50	80218	Presenile d	C0011265	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	718	159	0.01	NA	1	1
NAA50	80218	Narcolepsy	C0027404	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	308	454	0.01	NA	1	1
NAA50	80218	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
NAA50	80218	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
NAA50	80218	Polyneuro	C0152025	disease	Nervous System Diseases	Disease or Syndrome	156	32	0.01	NA	1	1
NAA50	80218	Acute myo	C0155626	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	766	118	0.01	NA	1	1
NAA50	80218	Color blind	C0242225	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	33	4	0.01	NA	1	1
NAA50	80218	Sinus Node	C0428908	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	40	7	0.01	NA	1	1
NAA50	80218	Dementia	C0497327	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	816	176	0.01	NA	1	1
NAA50	80218	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
NAA50	80218	Indifferenc	C1855739	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	23	11	0.01	NA	1	1
NAA50	80218	Ogden syn	C3275447	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	6	12	0.01	NA	1	1
NAA50	80218	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.01	NA	1	1
NAA50	80218	CEREBELLA	C3807295	disease	NA	Disease or Syndrome	3	3	0.01	NA	1	1
NAA50	80218	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
NAA50	80218	Peripheral	C4721453	group	Nervous System Diseases	Disease or Syndrome	549	69	0.01	NA	1	1
OSTF1	26578	Adolescent	C0410702	disease	Musculoskeletal Diseases	Anatomical Abnormality	656	1178	0.1	NA	1	1
OSTF1	26578	SCOLIOSIS,	C1837461	disease	NA	Finding	578	1158	0.1	NA	1	1
OSTF1	26578	Cholesteat	C0008373	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	135	1	0.01	NA	1	1
OSTF1	26578	Erythropla	C0014818	disease	Neoplasms	Disease or Syndrome	4	0	0.01	NA	0	1
OSTF1	26578	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
OSTF1	26578	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
LAPTM4B	55353	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.1	NA	0.923	13
LAPTM4B	55353	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	0.905	21
LAPTM4B	55353	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	0.9	20
LAPTM4B	55353	QT interva	C0429028	phenotype	NA	Clinical Attribute	75	226	0.1	NA	1	1
LAPTM4B	55353	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.1	NA	0.917	12
LAPTM4B	55353	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	0.889	18
LAPTM4B	55353	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.1	NA	1	17
LAPTM4B	55353	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.09	NA	0.889	9
LAPTM4B	55353	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.07	NA	1	7
LAPTM4B	55353	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.06	NA	1	6
LAPTM4B	55353	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.05	NA	1	5
LAPTM4B	55353	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.05	NA	1	5
LAPTM4B	55353	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.04	NA	1	4
LAPTM4B	55353	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.04	NA	1	4
LAPTM4B	55353	Solid Neop	C0280100	phenotype	Neoplasms	Neoplastic Process	1145	24	0.04	NA	1	4
LAPTM4B	55353	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.04	NA	1	4
LAPTM4B	55353	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.03	NA	1	3
LAPTM4B	55353	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.03	NA	1	3
LAPTM4B	55353	Gallbladde	C0235782	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	498	75	0.03	NA	1	3
LAPTM4B	55353	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.03	NA	1	3
LAPTM4B	55353	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.03	NA	1	3

LAPTM4B	55353	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.03	NA	1	3
LAPTM4B	55353	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.02	NA	1	2
LAPTM4B	55353	Colitis	C0009319	disease	Digestive System Diseases	Disease or Syndrome	1135	15	0.02	NA	1	2
LAPTM4B	55353	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.02	NA	1	2
LAPTM4B	55353	Adult Liver	C0220630	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1377	72	0.02	NA	1	2
LAPTM4B	55353	Liver and I	C0279000	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1395	73	0.02	NA	1	2
LAPTM4B	55353	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.02	NA	1	2
LAPTM4B	55353	Malignant	C0546837	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1286	214	0.02	NA	1	2
LAPTM4B	55353	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.02	NA	1	2
LAPTM4B	55353	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.02	NA	1	2
LAPTM4B	55353	Hepatocar	C1512409	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	855	24	0.02	NA	1	2
LAPTM4B	55353	Steatohep	C2711227	disease	Digestive System Diseases	Disease or Syndrome	1143	75	0.02	NA	1	2
LAPTM4B	55353	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.02	NA	0.5	2
LAPTM4B	55353	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.02	NA	1	2
LAPTM4B	55353	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.01	NA	1	1
LAPTM4B	55353	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2113	316	0.01	NA	1	1
LAPTM4B	55353	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2130	281	0.01	NA	1	1
LAPTM4B	55353	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2084	288	0.01	NA	1	1
LAPTM4B	55353	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.01	NA	1	1
LAPTM4B	55353	Esophagea	C0014859	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1254	270	0.01	NA	1	1
LAPTM4B	55353	Fatty Liver	C0015695	disease	Digestive System Diseases	Disease or Syndrome	875	35	0.01	NA	1	1
LAPTM4B	55353	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
LAPTM4B	55353	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.01	NA	1	1
LAPTM4B	55353	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.01	NA	1	1
LAPTM4B	55353	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.01	NA	1	1
LAPTM4B	55353	Primary M	C0024620	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	60	4	0.01	NA	1	1
LAPTM4B	55353	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
LAPTM4B	55353	Precancerc	C0032927	group	Neoplasms	Neoplastic Process	471	18	0.01	NA	1	1
LAPTM4B	55353	Pterygium	C0033999	disease	Eye Diseases	Disease or Syndrome	216	5	0.01	NA	1	1
LAPTM4B	55353	Stomach N	C0038356	group	Digestive System Diseases; Neoplasms	Neoplastic Process	820	55	0.01	NA	1	1
LAPTM4B	55353	Androgen-	C0039585	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	247	176	0.01	NA	1	1
LAPTM4B	55353	Diffuse Lar	C0079744	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1043	127	0.01	NA	0	1
LAPTM4B	55353	Small cell c	C0149925	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	972	125	0.01	NA	1	1
LAPTM4B	55353	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
LAPTM4B	55353	Esophagea	C0152018	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1287	272	0.01	NA	1	1
LAPTM4B	55353	Malignant	C0153392	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	136	10	0.01	NA	1	1
LAPTM4B	55353	Cholangioc	C0206698	disease	Neoplasms	Neoplastic Process	877	43	0.01	NA	1	1
LAPTM4B	55353	Cervical In	C0206708	disease	Neoplasms	Neoplastic Process	398	29	0.01	NA	1	1
LAPTM4B	55353	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
LAPTM4B	55353	Cancer of I	C0238301	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	145	12	0.01	NA	1	1
LAPTM4B	55353	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.01	NA	0	1
LAPTM4B	55353	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
LAPTM4B	55353	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
LAPTM4B	55353	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.01	NA	1	1
LAPTM4B	55353	Convention	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2346	222	0.01	NA	1	1
LAPTM4B	55353	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
LAPTM4B	55353	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
LAPTM4B	55353	Endometri	C0476089	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1597	326	0.01	NA	1	1
LAPTM4B	55353	Tumor Init	C0598935	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	533	8	0.01	NA	1	1
LAPTM4B	55353	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1

LAPTM4B	55353	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
LAPTM4B	55353	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2104	309	0.01	NA	1	1
LAPTM4B	55353	Lewy Body	C0752347	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	255	41	0.01	NA	1	1
LAPTM4B	55353	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.01	NA	1	1
LAPTM4B	55353	Primary m	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
LAPTM4B	55353	Pancreatic	C1335302	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	970	22	0.01	NA	1	1
LAPTM4B	55353	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.01	NA	1	1
LAPTM4B	55353	Tumor Ang	C1519670	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	822	5	0.01	NA	1	1
LAPTM4B	55353	Malignant	C1608408	phenotype	NA	Neoplastic Process	1027	20	0.01	NA	1	1
LAPTM4B	55353	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
LAPTM4B	55353	ANOPHTHA	C1832661	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	1410	80	0.01	NA	1	1
LAPTM4B	55353	Pterygium	C1867441	disease	Eye Diseases	Disease or Syndrome	169	4	0.01	NA	1	1
LAPTM4B	55353	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
LAPTM4B	55353	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.01	NA	1	1
LAPTM4B	55353	Pterygium	C4520843	disease	Eye Diseases	Disease or Syndrome	169	4	0.01	NA	1	1
LAPTM4B	55353	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.01	NA	1	1
LAPTM4B	55353	HER2-nega	C4733095	disease	NA	Neoplastic Process	160	18	0.01	NA	1	1
BMP2K	55589	Squamous	C0149782	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	670	283	0.3	NA	NA	0
BMP2K	55589	Red Blood	C0014772	phenotype	NA	Laboratory Procedure	717	1599	0.1	NA	1	1
BMP2K	55589	Red cell dis	C0427460	phenotype	NA	Laboratory Procedure	593	988	0.1	NA	1	1
BMP2K	55589	mathemat	C0596887	phenotype	NA	Mental Process	854	2127	0.1	NA	1	1
BMP2K	55589	Finding of	C1261502	phenotype	NA	Finding	653	1206	0.1	NA	1	1
BMP2K	55589	RDW - Red	C1304746	phenotype	NA	Laboratory or Test Result	593	988	0.1	NA	1	1
BMP2K	55589	Overweigh	C1561826	disease	NA	Disease or Syndrome	81	29	0.02	NA	1	2
BMP2K	55589	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.01	NA	1	1
BMP2K	55589	Myopia	C0027092	disease	Eye Diseases	Disease or Syndrome	490	167	0.01	NA	1	1
BMP2K	55589	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
BMP2K	55589	Osteoporo	C0029456	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	1098	182	0.01	NA	1	1
BMP2K	55589	Severe my	C0271183	disease	Eye Diseases	Disease or Syndrome	184	116	0.01	NA	1	1
BMP2K	55589	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
BMP2K	55589	Congenital	C4551649	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	147	27	0.01	NA	1	1
CC2D2A	57545	COACH syn	C1857662	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	4	38	0.71	NA	1	5
CC2D2A	57545	JOUBERT S	C2676788	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1	50	0.7	NA	1	12
CC2D2A	57545	MECKEL SY	C2676790	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1	24	0.7	NA	1	9
CC2D2A	57545	Meckel-Gr	C0265215	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	26	105	0.43	NA	1	15
CC2D2A	57545	Hepatic Fib	C0009714	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	63	2	0.4	NA	1	2
CC2D2A	57545	Meckel syn	C3714506	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	53	38	0.37	NA	1	7
CC2D2A	57545	Ciliopathie	C4277690	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	241	7	0.34	NA	1	4
CC2D2A	57545	Disorder o	C0015397	group	Eye Diseases	Disease or Syndrome	400	14	0.3	strong	NA	0
CC2D2A	57545	Polydactyly	C0152427	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	188	43	0.3	NA	1	1
CC2D2A	57545	Gastrointe	C0238198	group	Digestive System Diseases; Neoplasms	Neoplastic Process	538	154	0.3	NA	1	1
CC2D2A	57545	Arima syn	C1855675	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	11	0	0.3	NA	NA	0
CC2D2A	57545	Gastrointe	C3179349	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	74	0	0.3	NA	1	1
CC2D2A	57545	Congenital	C0311245	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Female Uroger	Disease or Syndrome; Conger	31	0	0.22	NA	1	2
CC2D2A	57545	HETEROTA	C1415817	disease	NA	Disease or Syndrome	39	5	0.2	NA	NA	0
CC2D2A	57545	HETEROTA	C1844020	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	30	17	0.2	NA	NA	0
CC2D2A	57545	Heterotaxy	C1853444	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	29	0	0.2	NA	NA	0
CC2D2A	57545	HETEROTA	C3151057	disease	NA	Disease or Syndrome	29	2	0.2	NA	NA	0
CC2D2A	57545	CONGENIT	C3151867	disease	NA	Disease or Syndrome	30	3	0.2	NA	NA	0
CC2D2A	57545	Heterotaxy	C3178805	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	39	8	0.2	NA	NA	0

CC2D2A	57545	HETEROTA	C3553676	disease	NA	Disease or Syndrome	30	2	0.2	NA	NA	0
CC2D2A	57545	Familial ap	C0431399	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	95	187	0.17	NA	1	16
CC2D2A	57545	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.13	NA	1	3
CC2D2A	57545	Hydroceph	C0020255	disease	Nervous System Diseases	Disease or Syndrome	473	37	0.11	NA	1	1
CC2D2A	57545	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.11	NA	1	1
CC2D2A	57545	Nephronop	C0687120	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	96	103	0.11	NA	1	1
CC2D2A	57545	Rod-Cone	C4551714	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Disease or Syndrome	194	33	0.11	NA	1	1
CC2D2A	57545	Anencepha	C0002902	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	59	10	0.1	NA	NA	0
CC2D2A	57545	Anophthal	C0003119	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Congenital Abnormality	89	6	0.1	NA	NA	0
CC2D2A	57545	Apnea	C0003578	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	262	11	0.1	NA	NA	0
CC2D2A	57545	Astigmatis	C0004106	disease	Eye Diseases	Disease or Syndrome	148	45	0.1	NA	NA	0
CC2D2A	57545	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
CC2D2A	57545	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
CC2D2A	57545	Cleft Palat	C0008925	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	611	158	0.1	NA	NA	0
CC2D2A	57545	Congenital	C0009081	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	285	44	0.1	NA	NA	0
CC2D2A	57545	Congenital	C0009363	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Congenital Abnormality	129	21	0.1	NA	NA	0
CC2D2A	57545	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
CC2D2A	57545	Dandy-Wa	C0010964	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	137	9	0.1	NA	NA	0
CC2D2A	57545	Congenital	C0014065	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Congenital Abnormality	93	6	0.1	NA	NA	0
CC2D2A	57545	Occipital E	C0014067	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Congenital Abnormality	33	9	0.1	NA	NA	0
CC2D2A	57545	Red Blood	C0014772	phenotype	NA	Laboratory Procedure	717	1599	0.1	NA	1	1
CC2D2A	57545	Hepatome	C0019209	phenotype	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Finding	523	30	0.1	NA	NA	0
CC2D2A	57545	Hernia, Ing	C0019294	phenotype	Pathological Conditions, Signs and Symptoms	Anatomical Abnormality	225	21	0.1	NA	NA	0
CC2D2A	57545	Hirschspru	C0019569	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	384	162	0.1	NA	NA	0
CC2D2A	57545	Orbital sep	C0020534	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	590	77	0.1	NA	NA	0
CC2D2A	57545	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.1	NA	NA	0
CC2D2A	57545	Portal Hyp	C0020541	disease	Digestive System Diseases	Disease or Syndrome	167	9	0.1	NA	NA	0
CC2D2A	57545	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.1	NA	NA	0
CC2D2A	57545	Polycystic	C0022680	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	276	54	0.1	NA	NA	0
CC2D2A	57545	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.1	NA	1	1
CC2D2A	57545	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.1	NA	NA	0
CC2D2A	57545	Macroston	C0024433	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	148	11	0.1	NA	NA	0
CC2D2A	57545	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
CC2D2A	57545	Micrognat	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
CC2D2A	57545	Microphth	C0026010	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Congenital Abnormality	337	40	0.1	NA	NA	0
CC2D2A	57545	Moderate	C0026351	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	251	94	0.1	NA	NA	0
CC2D2A	57545	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	1	6
CC2D2A	57545	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases; M	Sign or Symptom	580	48	0.1	NA	NA	0
CC2D2A	57545	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
CC2D2A	57545	Optic Atro	C0029124	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	568	51	0.1	NA	NA	0
CC2D2A	57545	Pancreatic	C0030283	disease	Digestive System Diseases; Neoplasms	Disease or Syndrome	60	4	0.1	NA	NA	0
CC2D2A	57545	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
CC2D2A	57545	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
CC2D2A	57545	Splenomeg	C0038002	phenotype	Pathological Conditions, Signs and Symptoms	Finding	345	19	0.1	NA	NA	0
CC2D2A	57545	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
CC2D2A	57545	Fissured to	C0040412	disease	Stomatognathic Diseases	Disease or Syndrome	36	1	0.1	NA	NA	0
CC2D2A	57545	Tremor	C0040822	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	528	52	0.1	NA	NA	0
CC2D2A	57545	Oligohydra	C0079924	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	129	21	0.1	NA	NA	0
CC2D2A	57545	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.1	NA	NA	0
CC2D2A	57545	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0

CC2D2A	57545	Coloboma	C0155299	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	30	14	0.1	NA	NA	0
CC2D2A	57545	Polycystic	C0158683	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases;	Disease or Syndrome	38	17	0.1	NA	NA	0
CC2D2A	57545	Hand polyd	C0158733	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	75	1	0.1	NA	NA	0
CC2D2A	57545	Polydactyly	C0158734	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	61	2	0.1	NA	NA	0
CC2D2A	57545	POLYDACT	C0220697	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	61	7	0.1	NA	NA	0
CC2D2A	57545	Macrocepl	C0221355	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	367	10	0.1	NA	NA	0
CC2D2A	57545	Double ure	C0221365	disease	NA	Congenital Abnormality	34	0	0.1	NA	NA	0
CC2D2A	57545	Tachypnea	C0231835	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Finding	82	5	0.1	NA	NA	0
CC2D2A	57545	Male Pseu	C0238395	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	50	4	0.1	NA	NA	0
CC2D2A	57545	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
CC2D2A	57545	Round face	C0239479	phenotype	NA	Finding	88	3	0.1	NA	NA	0
CC2D2A	57545	Fibrosis, Li	C0239946	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	1179	64	0.1	NA	NA	0
CC2D2A	57545	Coloboma	C0240063	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Anatomical Abnormality	153	12	0.1	NA	NA	0
CC2D2A	57545	Fundus col	C0240896	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	57	2	0.1	NA	NA	0
CC2D2A	57545	Congenital	C0265783	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Respirato	Congenital Abnormality	175	6	0.1	NA	NA	0
CC2D2A	57545	True Herm	C0266361	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	27	0	0.1	NA	NA	0
CC2D2A	57545	Microcorn	C0266544	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	129	10	0.1	NA	NA	0
CC2D2A	57545	Congenital	C0266551	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	148	1	0.1	NA	NA	0
CC2D2A	57545	Accessory	C0266631	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Congenital Abnormality	41	0	0.1	NA	NA	0
CC2D2A	57545	Bile duct p	C0267818	disease	Digestive System Diseases	Disease or Syndrome	30	0	0.1	NA	NA	0
CC2D2A	57545	Fibrosis of	C0267952	disease	Digestive System Diseases	Disease or Syndrome	72	0	0.1	NA	NA	0
CC2D2A	57545	Simple ren	C0268800	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	100	2	0.1	NA	NA	0
CC2D2A	57545	Oculovesti	C0271270	disease	Eye Diseases; Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	87	3	0.1	NA	NA	0
CC2D2A	57545	Narrow th	C0426790	phenotype	NA	Finding	112	18	0.1	NA	NA	0
CC2D2A	57545	Lobar Holo	C0431362	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	37	2	0.1	NA	NA	0
CC2D2A	57545	Ulnar polyd	C0431904	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	92	11	0.1	NA	NA	0
CC2D2A	57545	Growth de	C0456070	phenotype	NA	Pathologic Function	244	40	0.1	NA	NA	0
CC2D2A	57545	Blindness	C0456909	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	393	34	0.1	NA	NA	0
CC2D2A	57545	Mean Corp	C0524587	phenotype	NA	Laboratory or Test Result	269	549	0.1	NA	1	2
CC2D2A	57545	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
CC2D2A	57545	Gait abnor	C0575081	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	312	23	0.1	NA	NA	0
CC2D2A	57545	Congenital	C0600031	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Congenital Abnormality	80	6	0.1	NA	NA	0
CC2D2A	57545	Retinal Dys	C0854723	group	Eye Diseases	Disease or Syndrome	219	227	0.1	NA	NA	0
CC2D2A	57545	Autistic be	C0856975	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	261	78	0.1	NA	NA	0
CC2D2A	57545	Finding of	C1261502	phenotype	NA	Finding	653	1206	0.1	NA	1	2
CC2D2A	57545	Talipes	C1301937	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	74	2	0.1	NA	NA	0
CC2D2A	57545	Polydactyly	C1395852	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	49	0	0.1	NA	NA	0
CC2D2A	57545	Cerebral ve	C1531647	phenotype	Nervous System Diseases	Finding	410	0	0.1	NA	NA	0
CC2D2A	57545	Renal Insuf	C1565489	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	615	42	0.1	NA	NA	0
CC2D2A	57545	Urethral at	C1610065	disease	NA	Congenital Abnormality	23	1	0.1	NA	NA	0
CC2D2A	57545	Cirrhosis	C1623038	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	919	110	0.1	NA	NA	0
CC2D2A	57545	Long face	C1836047	phenotype	NA	Finding	182	12	0.1	NA	NA	0
CC2D2A	57545	Malformat	C1837249	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	180	101	0.1	NA	NA	0
CC2D2A	57545	Anteverted	C1840077	phenotype	NA	Finding	407	35	0.1	NA	NA	0
CC2D2A	57545	Cerebellar	C1840379	phenotype	NA	Finding	100	26	0.1	NA	NA	0
CC2D2A	57545	Depressed	C1842876	phenotype	NA	Finding	117	1	0.1	NA	NA	0
CC2D2A	57545	Elevated h	C1848701	phenotype	NA	Finding	212	9	0.1	NA	NA	0
CC2D2A	57545	Sclerocorn	C1853235	disease	Eye Diseases	Disease or Syndrome	42	3	0.1	NA	NA	0
CC2D2A	57545	Prominent	C1854113	phenotype	NA	Finding	180	8	0.1	NA	NA	0
CC2D2A	57545	Biparietal r	C1854418	phenotype	NA	Finding	60	0	0.1	NA	NA	0

CC2D2A	57545	Intrahepat	C1855284	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	9	0	0.1	NA	NA	0
CC2D2A	57545	Bowing of	C1855340	phenotype	NA	Congenital Abnormality	63	5	0.1	NA	NA	0
CC2D2A	57545	Aplasia/Hy	C1855676	phenotype	NA	Finding	30	2	0.1	NA	NA	0
CC2D2A	57545	Low-set, p	C1857486	phenotype	NA	Finding	223	19	0.1	NA	NA	0
CC2D2A	57545	Sloping for	C1857679	phenotype	NA	Finding	149	5	0.1	NA	NA	0
CC2D2A	57545	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
CC2D2A	57545	Aplasia/Hy	C1861866	phenotype	NA	Finding	108	8	0.1	NA	NA	0
CC2D2A	57545	Molar toot	C1865060	phenotype	NA	Finding	35	7	0.1	NA	NA	0
CC2D2A	57545	Full cheeks	C1866231	phenotype	NA	Finding	103	4	0.1	NA	NA	0
CC2D2A	57545	Highly arch	C1868571	phenotype	NA	Finding	141	14	0.1	NA	NA	0
CC2D2A	57545	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
CC2D2A	57545	Postaxial fo	C2112129	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	45	4	0.1	NA	NA	0
CC2D2A	57545	Feeding di	C2674608	phenotype	NA	Finding	305	22	0.1	NA	NA	0
CC2D2A	57545	Chronic Liv	C2936476	disease	Digestive System Diseases	Disease or Syndrome	25	1	0.1	NA	NA	0
CC2D2A	57545	Dilated ver	C3278923	phenotype	NA	Finding	427	32	0.1	NA	NA	0
CC2D2A	57545	Aplasia/Hy	C3279222	phenotype	NA	Finding	116	5	0.1	NA	NA	0
CC2D2A	57545	JOUBERT S	C3280898	disease	NA	Disease or Syndrome	2	2	0.1	NA	NA	0
CC2D2A	57545	Oculomoto	C3489733	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	92	14	0.1	NA	NA	0
CC2D2A	57545	Coloboma	C3540764	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	58	3	0.1	NA	NA	0
CC2D2A	57545	Visual Imp	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
CC2D2A	57545	Multicystic	C3714581	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	121	11	0.1	NA	NA	0
CC2D2A	57545	Renal cyst	C3887499	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms; Female Uroger	Disease or Syndrome	170	17	0.1	NA	NA	0
CC2D2A	57545	Abnormali	C4020869	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Anatomical Abnormality	17	0	0.1	NA	NA	0
CC2D2A	57545	Oral cleft	C4021813	disease	NA	Congenital Abnormality	85	28	0.1	NA	NA	0
CC2D2A	57545	Aplasia/Hy	C4023916	phenotype	NA	Finding	19	0	0.1	NA	NA	0
CC2D2A	57545	Multiple sr	C4024644	disease	NA	Disease or Syndrome	6	1	0.1	NA	NA	0
CC2D2A	57545	Aplasia/Hy	C4024748	disease	NA	Anatomical Abnormality	52	0	0.1	NA	NA	0
CC2D2A	57545	Abnormali	C4025819	disease	NA	Anatomical Abnormality	70	0	0.1	NA	NA	0
CC2D2A	57545	Abnormal	C4025844	disease	NA	Anatomical Abnormality	36	1	0.1	NA	NA	0
CC2D2A	57545	Abnormali	C4049796	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	198	13	0.1	NA	NA	0
CC2D2A	57545	Situs inver	C4551493	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	104	8	0.1	NA	NA	0
CC2D2A	57545	Microceph	C4551563	phenotype	NA	Finding	160	246	0.1	NA	NA	0
CC2D2A	57545	Joubert syr	C4551568	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	26	31	0.1	NA	NA	0
CC2D2A	57545	Cystic liver	C4551631	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases;	Disease or Syndrome	19	0	0.1	NA	NA	0
CC2D2A	57545	Encephalo	C4551722	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	23	7	0.1	NA	NA	0
CC2D2A	57545	Gait Distur	C4551915	phenotype	NA	Finding	299	0	0.1	NA	NA	0
CC2D2A	57545	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
CC2D2A	57545	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
CC2D2A	57545	Cystic kidn	C0022679	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	89	1	0.02	NA	1	2
CC2D2A	57545	Mental Ret	C0025362	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Mental or Behavioral Dysfunc	505	98	0.02	NA	1	2
CC2D2A	57545	Retinitis Pi	C0035334	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	546	541	0.02	NA	1	2
CC2D2A	57545	Cystic Kidn	C1691228	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	50	0	0.02	NA	1	2
CC2D2A	57545	Liver disea	C0023895	group	Digestive System Diseases	Disease or Syndrome	1019	100	0.01	NA	1	1
CC2D2A	57545	Achromato	C0152200	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	26	63	0.01	NA	1	1
CC2D2A	57545	Johanson-B	C0175692	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	7	9	0.01	NA	1	1
CC2D2A	57545	Achromato	C0302129	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	20	14	0.01	NA	1	1
CC2D2A	57545	Learning D	C0751265	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	103	5	0.01	NA	1	1
CC2D2A	57545	Jacobsen D	C0795841	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	28	2	0.01	NA	1	1
GPT2	84706	MENTAL R	C4225388	disease	NA	Mental or Behavioral Dysfunc	1	2	0.7	NA	1	2
GPT2	84706	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.42	strong	1	3

GPT2	84706	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.42	strong	1	2
GPT2	84706	Progressive	C1859520	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	19	5	0.3	strong	1	1
GPT2	84706	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.2	NA	1	1
GPT2	84706	Chemical a	C4277682	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	461	38	0.2	NA	1	1
GPT2	84706	Encephalo	C0085584	group	Nervous System Diseases	Disease or Syndrome	457	64	0.12	NA	1	2
GPT2	84706	Spastic Par	C0037772	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	144	93	0.11	NA	1	1
GPT2	84706	Febrile Cor	C0009952	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	192	65	0.1	NA	NA	0
GPT2	84706	Drooling	C0013132	phenotype	Stomatognathic Diseases	Finding	95	14	0.1	NA	NA	0
GPT2	84706	Dysarthria	C0013362	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	487	54	0.1	NA	NA	0
GPT2	84706	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0
GPT2	84706	Movement	C0026650	group	Nervous System Diseases	Disease or Syndrome	362	247	0.1	NA	1	5
GPT2	84706	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	580	48	0.1	NA	NA	0
GPT2	84706	Babinski Re	C0034935	phenotype	NA	Finding	218	11	0.1	NA	NA	0
GPT2	84706	Tremor	C0040822	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	528	52	0.1	NA	NA	0
GPT2	84706	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
GPT2	84706	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
GPT2	84706	Difficulty w	C0311394	phenotype	Pathological Conditions, Signs and Symptoms	Finding	224	30	0.1	NA	NA	0
GPT2	84706	Hypoplasia	C0344482	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	385	49	0.1	NA	NA	0
GPT2	84706	Orbital sep	C0424711	phenotype	NA	Finding	89	11	0.1	NA	NA	0
GPT2	84706	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.1	NA	1	5
GPT2	84706	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
GPT2	84706	Tonic - clo	C0494475	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	300	32	0.1	NA	NA	0
GPT2	84706	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
GPT2	84706	Broad-base	C0856863	phenotype	NA	Finding	75	24	0.1	NA	NA	0
GPT2	84706	Severe mu	C1839630	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	75	9	0.1	NA	NA	0
GPT2	84706	Narrow for	C1839758	phenotype	NA	Finding	106	20	0.1	NA	NA	0
GPT2	84706	Postnatal r	C1847514	phenotype	NA	Finding	62	0	0.1	NA	NA	0
GPT2	84706	Absent spe	C1854882	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	232	72	0.1	NA	NA	0
GPT2	84706	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
GPT2	84706	Abnormal	C4021152	disease	NA	Anatomical Abnormality	9	4	0.1	NA	NA	0
GPT2	84706	Nasogastri	C4023343	phenotype	NA	Finding	12	9	0.1	NA	NA	0
GPT2	84706	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
GPT2	84706	Filarial Ele	C0013884	disease	Infections; Hemic and Lymphatic Diseases	Disease or Syndrome	38	10	0.04	NA	1	4
GPT2	84706	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.04	NA	1	4
GPT2	84706	Filariasis	C0016085	disease	Infections	Disease or Syndrome	32	0	0.02	NA	1	2
GPT2	84706	Hepatitis	C0019158	group	Digestive System Diseases	Disease or Syndrome	656	42	0.02	NA	1	2
GPT2	84706	Onchocerc	C0029001	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	19	0	0.02	NA	1	2
GPT2	84706	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
GPT2	84706	Liver carcir	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.02	NA	1	2
GPT2	84706	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
GPT2	84706	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
GPT2	84706	Developme	C0008073	group	Mental Disorders	Mental or Behavioral Dysfunc	355	19	0.01	NA	1	1
GPT2	84706	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
GPT2	84706	Diabetes M	C0011854	disease	Nutritional and Metabolic Diseases; Immune System Diseases; Endocrine	Disease or Syndrome	1675	954	0.01	NA	1	1
GPT2	84706	Liver Cirrh	C0023890	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	1182	189	0.01	NA	1	1
GPT2	84706	Liver disea	C0023895	group	Digestive System Diseases	Disease or Syndrome	1019	100	0.01	NA	1	1
GPT2	84706	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
GPT2	84706	nervous sy	C0027765	group	Nervous System Diseases	Disease or Syndrome	977	39	0.01	NA	1	1
GPT2	84706	Onchocerc	C0029002	disease	Infections; Eye Diseases	Disease or Syndrome	4	0	0.01	NA	1	1
GPT2	84706	Parasitic D	C0030499	group	Infections	Disease or Syndrome	164	2	0.01	NA	1	1

GPT2	84706	Spastic Par	C0037773	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	123	41	0.01	NA	1	1
GPT2	84706	Intestinal V	C0042961	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	42	2	0.01	NA	1	1
GPT2	84706	Complete a	C0151517	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	403	96	0.01	NA	1	1
GPT2	84706	Intervertel	C0158252	group	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases	Disease or Syndrome	188	19	0.01	NA	1	1
GPT2	84706	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.01	NA	1	1
GPT2	84706	Complicate	C0393556	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	16	0	0.01	NA	1	1
GPT2	84706	Hepatitis B	C0524909	disease	Digestive System Diseases; Infections	Disease or Syndrome	415	84	0.01	NA	1	1
GPT2	84706	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
GPT2	84706	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
GPT2	84706	Cirrhosis	C1623038	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	919	110	0.01	NA	1	1
GPT2	84706	Multiple Cl	C3266262	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	929	42	0.01	NA	1	1
PIGT	51604	MULTIPLE	C3809356	disease	NA	Disease or Syndrome	1	11	0.71	NA	1	5
PIGT	51604	Paroxysma	C0024790	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	132	12	0.43	NA	1	4
PIGT	51604	PAROXYSM	C3809369	disease	NA	Disease or Syndrome	1	3	0.4	limited	1	1
PIGT	51604	Hemoglobi	C0019050	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	9	0	0.3	NA	1	1
PIGT	51604	Cold parox	C0086774	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	2	0	0.3	NA	1	1
PIGT	51604	Abdominal	C0000737	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	302	18	0.1	NA	NA	0
PIGT	51604	Anemia, H	C0002878	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	154	31	0.1	NA	NA	0
PIGT	51604	Arthralgia	C0003862	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases	Sign or Symptom	248	27	0.1	NA	NA	0
PIGT	51604	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
PIGT	51604	Restrictive	C0007196	disease	Cardiovascular Diseases	Disease or Syndrome	41	30	0.1	NA	NA	0
PIGT	51604	Diarrhea	C0011991	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	632	63	0.1	NA	NA	0
PIGT	51604	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.1	NA	NA	0
PIGT	51604	Dyspnea	C0013404	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	222	26	0.1	NA	NA	0
PIGT	51604	Esotropia	C0014877	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	121	39	0.1	NA	NA	0
PIGT	51604	Fatigue	C0015672	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	760	67	0.1	NA	NA	0
PIGT	51604	Congenital	C0016842	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	272	36	0.1	NA	NA	0
PIGT	51604	Headache	C0018681	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	338	75	0.1	NA	NA	0
PIGT	51604	Hypercalci	C0020438	phenotype	Pathological Conditions, Signs and Symptoms	Finding	60	5	0.1	NA	NA	0
PIGT	51604	Hyperopia	C0020490	disease	Eye Diseases	Disease or Syndrome	142	29	0.1	NA	NA	0
PIGT	51604	Nephrocal	C0027709	disease	Nutritional and Metabolic Diseases; Female Urogenital Diseases and Pregna	Disease or Syndrome	118	20	0.1	NA	NA	0
PIGT	51604	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
PIGT	51604	Osteopenia	C0029453	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	845	61	0.1	NA	NA	0
PIGT	51604	Osteoporo	C0029456	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	1098	182	0.1	NA	NA	0
PIGT	51604	Babinski Re	C0034935	phenotype	NA	Finding	218	11	0.1	NA	NA	0
PIGT	51604	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
PIGT	51604	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
PIGT	51604	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
PIGT	51604	Urticaria	C0042109	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	168	11	0.1	NA	NA	0
PIGT	51604	Electroenc	C0151611	phenotype	Nervous System Diseases	Finding	227	27	0.1	NA	NA	0
PIGT	51604	Phospholip	C0202177	phenotype	NA	Laboratory Procedure	58	306	0.1	NA	1	1
PIGT	51604	Macrocepl	C0221355	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	367	10	0.1	NA	NA	0
PIGT	51604	Brachycep	C0221356	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	186	20	0.1	NA	NA	0
PIGT	51604	Myalgia	C0231528	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases; I	Sign or Symptom	226	22	0.1	NA	NA	0
PIGT	51604	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
PIGT	51604	Ankle clon	C0238651	phenotype	NA	Finding	32	5	0.1	NA	NA	0
PIGT	51604	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
PIGT	51604	High foreh	C0239676	phenotype	NA	Finding	211	17	0.1	NA	NA	0
PIGT	51604	Open mou	C0240379	phenotype	NA	Finding	96	11	0.1	NA	NA	0
PIGT	51604	Byzanthine	C0240635	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	497	70	0.1	NA	NA	0

PIGT	51604	Abnormali	C0262444	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Finding	140	16	0.1	NA	NA	0
PIGT	51604	Cerebellar	C0266470	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	226	26	0.1	NA	NA	0
PIGT	51604	Simple ren	C0268800	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	100	2	0.1	NA	NA	0
PIGT	51604	Inversion c	C0269269	disease	Skin and Connective Tissue Diseases	Anatomical Abnormality	27	7	0.1	NA	NA	0
PIGT	51604	Dermatogr	C0343065	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	12	1	0.1	NA	NA	0
PIGT	51604	High densi	C0392885	phenotype	NA	Laboratory Procedure	545	1440	0.1	NA	1	1
PIGT	51604	Stenosis of	C0521618	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Anatomical Abnormality	10	0	0.1	NA	NA	0
PIGT	51604	Delayed bo	C0541764	phenotype	NA	Finding	295	14	0.1	NA	NA	0
PIGT	51604	Somatic m	C0544886	phenotype	NA	Cell or Molecular Dysfunction	151	0	0.1	NA	NA	0
PIGT	51604	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
PIGT	51604	Cerebellar	C0740279	disease	NA	Disease or Syndrome	321	67	0.1	NA	NA	0
PIGT	51604	Recurrent	C0746495	disease	Infections; Nervous System Diseases	Disease or Syndrome	6	2	0.1	NA	NA	0
PIGT	51604	Depressed	C1836542	phenotype	NA	Finding	426	39	0.1	NA	NA	0
PIGT	51604	Developme	C1836830	disease	Mental Disorders	Disease or Syndrome	333	80	0.1	NA	NA	0
PIGT	51604	Narrow for	C1839758	phenotype	NA	Finding	106	20	0.1	NA	NA	0
PIGT	51604	Deep philt	C1839797	phenotype	NA	Finding	42	5	0.1	NA	NA	0
PIGT	51604	Anteverted	C1840077	phenotype	NA	Finding	407	35	0.1	NA	NA	0
PIGT	51604	Large for g	C1848395	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Finding	43	10	0.1	NA	NA	0
PIGT	51604	Short nose	C1854114	phenotype	NA	Finding	265	23	0.1	NA	NA	0
PIGT	51604	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
PIGT	51604	Episodic he	C1859495	phenotype	Hemic and Lymphatic Diseases	Finding	4	2	0.1	NA	NA	0
PIGT	51604	ULNAR HY	C1860614	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	50	0	0.1	NA	NA	0
PIGT	51604	Long philtr	C1865014	phenotype	NA	Finding	282	16	0.1	NA	NA	0
PIGT	51604	Downturne	C1866195	phenotype	NA	Anatomical Abnormality	122	14	0.1	NA	NA	0
PIGT	51604	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
PIGT	51604	Visual Imp	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
PIGT	51604	Renal cyst	C3887499	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms; Female Uroger	Disease or Syndrome	170	17	0.1	NA	NA	0
PIGT	51604	Stricture o	C3887590	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Anatomical Abnormality	12	0	0.1	NA	NA	0
PIGT	51604	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
PIGT	51604	Congenital	C1302790	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	57	2	0.03	NA	1	3
PIGT	51604	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
PIGT	51604	Apnea	C0003578	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	262	11	0.01	NA	1	1
PIGT	51604	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
PIGT	51604	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.01	NA	1	1
PIGT	51604	Hypophosp	C0020630	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	27	29	0.01	NA	1	1
PIGT	51604	Encephalo	C0085584	group	Nervous System Diseases	Disease or Syndrome	457	64	0.01	NA	1	1
PIGT	51604	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
PIGT	51604	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
PIGT	51604	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
PIGT	51604	Dysmorphi	C1737329	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	80	16	0.01	NA	1	1
IRS1	3667	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.9	NA	0.939	132
IRS1	3667	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.6	NA	0.969	32
IRS1	3667	Diabetes M	C0011853	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Experimental Model of Diseas	522	0	0.5	NA	1	3
IRS1	3667	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.4	NA	0.969	32
IRS1	3667	Hyperinsul	C0020459	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	620	64	0.4	NA	1	10
IRS1	3667	Insulin Res	C0021655	phenotype	Nutritional and Metabolic Diseases	Pathologic Function	162	53	0.4	NA	1	1
IRS1	3667	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.4	NA	1	14
IRS1	3667	Coronary A	C1956346	disease	Cardiovascular Diseases	Disease or Syndrome	1708	1577	0.39	NA	1	9
IRS1	3667	Coronary A	C0010054	disease	Cardiovascular Diseases	Disease or Syndrome	1282	440	0.37	NA	1	7
IRS1	3667	Coronary h	C0010068	disease	Cardiovascular Diseases	Disease or Syndrome	1576	1178	0.37	NA	1	8

IRS1	3667	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.35	NA	0.6	5
IRS1	3667	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.32	NA	1	2
IRS1	3667	Alloxan Dia	C0002152	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Experimental Model of Diseas	112	0	0.3	NA	1	1
IRS1	3667	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.3	NA	1	13
IRS1	3667	Neoplastic	C0007621	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	143	0	0.3	NA	1	1
IRS1	3667	Hyperlipid	C0020473	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	472	83	0.3	NA	1	1
IRS1	3667	Precancero	C0032927	group	Neoplasms	Neoplastic Process	471	18	0.3	NA	1	1
IRS1	3667	Streptozot	C0038433	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Experimental Model of Diseas	112	0	0.3	NA	1	1
IRS1	3667	Condition,	C0282313	disease	Neoplasms	Neoplastic Process	122	0	0.3	NA	1	1
IRS1	3667	Metabolic	C0524620	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	1125	591	0.3	NA	1	13
IRS1	3667	Insulin Sen	C0920563	phenotype	Nutritional and Metabolic Diseases	Pathologic Function	62	0	0.3	NA	1	1
IRS1	3667	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.3	NA	1	1
IRS1	3667	Endogenou	C1257963	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	26	0	0.3	NA	1	1
IRS1	3667	Exogenous	C1257964	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	26	0	0.3	NA	1	1
IRS1	3667	Compensa	C1257965	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	30	2	0.3	NA	1	1
IRS1	3667	Lipidemias	C1706412	phenotype	Nutritional and Metabolic Diseases	Finding	18	0	0.3	NA	1	1
IRS1	3667	Fetal Grow	C0015934	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1037	21	0.21	NA	1	2
IRS1	3667	Kidney Fail	C0022661	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	827	425	0.2	NA	1	1
IRS1	3667	Osteoporo	C0029456	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	1098	182	0.2	NA	1	1
IRS1	3667	Sepsis	C0243026	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1453	144	0.2	NA	1	1
IRS1	3667	Chronic kid	C2316810	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	666	194	0.2	NA	1	1
IRS1	3667	FATTY LIVE	C2750440	disease	NA	Finding	63	2	0.2	NA	1	1
IRS1	3667	LIVER DISE	C2750441	phenotype	NA	Finding	63	0	0.2	NA	1	1
IRS1	3667	FATTY LIVE	C3150651	phenotype	NA	Finding	63	0	0.2	NA	1	1
IRS1	3667	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.1	NA	1	33
IRS1	3667	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	1	20
IRS1	3667	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.1	NA	1	18
IRS1	3667	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.1	NA	0.968	31
IRS1	3667	Hyperglyce	C0020456	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	1098	108	0.1	NA	1	13
IRS1	3667	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.1	NA	1	12
IRS1	3667	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	0.967	30
IRS1	3667	Polycystic	C0032460	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Disease or Syndrome	988	363	0.1	NA	0.833	24
IRS1	3667	Gestationa	C0085207	phenotype	Nutritional and Metabolic Diseases; Female Urogenital Diseases and Pregna	Disease or Syndrome	649	224	0.1	NA	0.929	14
IRS1	3667	Low densit	C0202117	phenotype	NA	Laboratory Procedure	483	1142	0.1	NA	1	1
IRS1	3667	Serum LDL	C0428474	phenotype	NA	Laboratory Procedure	269	555	0.1	NA	1	1
IRS1	3667	body fat pe	C0518026	phenotype	NA	Finding	56	98	0.1	NA	1	1
IRS1	3667	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.1	NA	1	33
IRS1	3667	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.1	NA	1	11
IRS1	3667	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	1	17
IRS1	3667	Serum tota	C1445957	phenotype	NA	Laboratory Procedure	486	1243	0.1	NA	1	1
IRS1	3667	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.1	NA	1	12
IRS1	3667	CORONARY	C1840169	disease	NA	Finding	2	3	0.1	NA	NA	0
IRS1	3667	INSULIN RE	C1852091	disease	NA	Finding	3	3	0.1	NA	NA	0
IRS1	3667	Decreased	C4703555	phenotype	NA	Finding	28	0	0.1	NA	NA	0
IRS1	3667	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.1	NA	1	10
IRS1	3667	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.09	NA	1	9
IRS1	3667	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.07	NA	0.857	7
IRS1	3667	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.06	NA	1	6
IRS1	3667	Dyslipidem	C0242339	group	Nutritional and Metabolic Diseases	Disease or Syndrome	471	184	0.06	NA	0.833	6
IRS1	3667	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.05	NA	1	5

IRS1	3667	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.05	NA	1	5
IRS1	3667	Non-alcoh	C0400966	disease	Digestive System Diseases	Disease or Syndrome	1058	222	0.05	NA	0.8	5
IRS1	3667	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.05	NA	0.6	5
IRS1	3667	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.05	NA	1	5
IRS1	3667	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.04	NA	1	4
IRS1	3667	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.04	NA	1	4
IRS1	3667	Diabetes M	C0011854	disease	Nutritional and Metabolic Diseases; Immune System Diseases; Endocrine	Disease or Syndrome	1675	954	0.04	NA	0.75	4
IRS1	3667	Diabetic N	C0011881	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1189	238	0.04	NA	1	4
IRS1	3667	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.04	NA	1	4
IRS1	3667	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.04	NA	1	4
IRS1	3667	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.04	NA	1	4
IRS1	3667	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.04	NA	1	4
IRS1	3667	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.04	NA	1	4
IRS1	3667	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.04	NA	1	4
IRS1	3667	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.04	NA	1	4
IRS1	3667	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.04	NA	1	4
IRS1	3667	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.03	NA	1	3
IRS1	3667	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.03	NA	1	3
IRS1	3667	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.03	NA	1	3
IRS1	3667	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.03	NA	1	3
IRS1	3667	Hyperandr	C0206081	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	108	24	0.03	NA	1	3
IRS1	3667	Impaired g	C0271650	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	596	81	0.03	NA	1	3
IRS1	3667	Adult Glio	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.03	NA	1	3
IRS1	3667	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.03	NA	1	3
IRS1	3667	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.03	NA	1	3
IRS1	3667	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.03	NA	1	3
IRS1	3667	Steatohepa	C2711227	disease	Digestive System Diseases	Disease or Syndrome	1143	75	0.03	NA	1	3
IRS1	3667	Oestrogen	C2938924	disease	NA	Neoplastic Process	510	58	0.03	NA	1	3
IRS1	3667	Anaplasia	C0002793	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	538	7	0.02	NA	1	2
IRS1	3667	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.02	NA	0.5	2
IRS1	3667	Ataxia Tela	C0004135	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	384	698	0.02	NA	1	2
IRS1	3667	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.02	NA	0.5	2
IRS1	3667	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.02	NA	1	2
IRS1	3667	Diabetic Re	C0011884	disease	Eye Diseases; Endocrine System Diseases; Cardiovascular Diseases	Disease or Syndrome	645	213	0.02	NA	1	2
IRS1	3667	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.02	NA	1	2
IRS1	3667	Hyperplasi	C0020507	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	131	0	0.02	NA	1	2
IRS1	3667	Acute lymp	C0023449	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1293	222	0.02	NA	1	2
IRS1	3667	Childhood	C0023452	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1096	261	0.02	NA	1	2
IRS1	3667	Metabolic	C0025517	group	Nutritional and Metabolic Diseases	Disease or Syndrome	945	50	0.02	NA	1	2
IRS1	3667	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.02	NA	1	2
IRS1	3667	Mental det	C0234985	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	508	121	0.02	NA	1	2
IRS1	3667	Precocious	C0342541	disease	Endocrine System Diseases	Disease or Syndrome	30	11	0.02	NA	1	2
IRS1	3667	Sleep Apne	C0520679	disease	Respiratory Tract Diseases; Nervous System Diseases	Disease or Syndrome	480	105	0.02	NA	0.5	2
IRS1	3667	Adult Acut	C0751606	disease	NA	Neoplastic Process	860	154	0.02	NA	1	2
IRS1	3667	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.02	NA	1	2
IRS1	3667	Tauopathie	C0949664	group	Nervous System Diseases	Disease or Syndrome	245	43	0.02	NA	1	2
IRS1	3667	Insulin resi	C3714619	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	62	15	0.02	NA	1	2
IRS1	3667	Obesity-As	C4331921	disease	NA	Disease or Syndrome	36	0	0.02	NA	1	2
IRS1	3667	estrogen re	C4733092	disease	NA	Neoplastic Process	356	40	0.02	NA	1	2
IRS1	3667	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.01	NA	1	1

IRS1	3667	Amnesia	C0002622	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	173	12	0.01	NA	1	1
IRS1	3667	Amyloidos	C0002726	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	694	93	0.01	NA	1	1
IRS1	3667	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.01	NA	1	1
IRS1	3667	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.01	NA	1	1
IRS1	3667	Malignant	C0007115	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	949	103	0.01	NA	1	1
IRS1	3667	Noninfiltra	C0007124	disease	Neoplasms	Neoplastic Process	486	13	0.01	NA	1	1
IRS1	3667	Congenital	C0008626	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	757	47	0.01	NA	1	1
IRS1	3667	Cognition I	C0009241	group	Mental Disorders	Mental or Behavioral Dysfunc	607	47	0.01	NA	1	1
IRS1	3667	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.01	NA	1	1
IRS1	3667	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.01	NA	1	1
IRS1	3667	Craniosync	C0010278	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	488	90	0.01	NA	1	1
IRS1	3667	Presenile d	C0011265	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	718	159	0.01	NA	1	1
IRS1	3667	Epilepsy, T	C0014556	disease	Nervous System Diseases	Disease or Syndrome	354	33	0.01	NA	1	1
IRS1	3667	Fatty Liver	C0015695	disease	Digestive System Diseases	Disease or Syndrome	875	35	0.01	NA	1	1
IRS1	3667	Congestive	C0018802	disease	Cardiovascular Diseases	Disease or Syndrome	1760	165	0.01	NA	1	1
IRS1	3667	Hepatitis	C0019158	group	Digestive System Diseases	Disease or Syndrome	656	42	0.01	NA	1	1
IRS1	3667	Hepatitis A	C0019159	disease	Digestive System Diseases; Infections	Disease or Syndrome	451	27	0.01	NA	1	1
IRS1	3667	Herpes Sim	C0019348	group	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	645	11	0.01	NA	1	1
IRS1	3667	Hyperalges	C0020429	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	451	4	0.01	NA	1	1
IRS1	3667	Hyperlipid	C0020474	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	91	28	0.01	NA	1	1
IRS1	3667	Hypertrigly	C0020557	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	340	169	0.01	NA	0	1
IRS1	3667	Myeloid Le	C0023473	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	1172	115	0.01	NA	1	1
IRS1	3667	Liver Cirrh	C0023890	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	1182	189	0.01	NA	1	1
IRS1	3667	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.01	NA	1	1
IRS1	3667	Lymphoma	C0024299	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1548	91	0.01	NA	1	1
IRS1	3667	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
IRS1	3667	Mitral Valv	C0026269	disease	Cardiovascular Diseases	Disease or Syndrome	170	7	0.01	NA	1	1
IRS1	3667	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
IRS1	3667	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
IRS1	3667	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.01	NA	1	1
IRS1	3667	Pain	C0030193	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1554	196	0.01	NA	1	1
IRS1	3667	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.01	NA	1	1
IRS1	3667	Retinoblas	C0035335	disease	Neoplasms; Eye Diseases	Neoplastic Process	853	193	0.01	NA	1	1
IRS1	3667	Rhabdomy	C0035412	disease	Neoplasms	Neoplastic Process	565	20	0.01	NA	1	1
IRS1	3667	Skin lesion	C0037284	group	Skin and Connective Tissue Diseases	Disease or Syndrome	563	52	0.01	NA	1	1
IRS1	3667	Ankylosing	C0038013	disease	Musculoskeletal Diseases	Disease or Syndrome	710	609	0.01	NA	1	1
IRS1	3667	Progressive	C0038868	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	176	52	0.01	NA	1	1
IRS1	3667	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
IRS1	3667	Tuberous S	C0041341	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	289	55	0.01	NA	1	1
IRS1	3667	Corneal Ne	C0085109	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases	Disease or Syndrome	117	0	0.01	NA	1	1
IRS1	3667	Agitation	C0085631	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	109	4	0.01	NA	1	1
IRS1	3667	Oral Cavity	C0151546	disease	Digestive System Diseases; Neoplasms; Stomatognathic Diseases	Neoplastic Process	167	16	0.01	NA	1	1
IRS1	3667	Bone pain	C0151825	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases	Sign or Symptom	139	0	0.01	NA	1	1
IRS1	3667	Malnutritio	C0162429	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	417	29	0.01	NA	1	1
IRS1	3667	LEOPARD S	C0175704	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	47	27	0.01	NA	1	1
IRS1	3667	Adrenocor	C0206686	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	281	46	0.01	NA	1	1
IRS1	3667	Childhood	C0220611	disease	Neoplasms	Neoplastic Process	517	12	0.01	NA	1	1
IRS1	3667	Adult Liver	C0220630	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1377	72	0.01	NA	1	1
IRS1	3667	Lip and Ora	C0220641	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	734	172	0.01	NA	1	1
IRS1	3667	Memory in	C0233794	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	763	48	0.01	NA	1	1

IRS1	3667	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
IRS1	3667	Pick Diseas	C0236642	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	213	83	0.01	NA	1	1
IRS1	3667	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.01	NA	1	1
IRS1	3667	Chronic he	C0264716	disease	Cardiovascular Diseases	Disease or Syndrome	223	11	0.01	NA	1	1
IRS1	3667	Deficiency	C0268287	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Congenital Abnormality	54	26	0.01	NA	1	1
IRS1	3667	Familial lic	C0268398	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	230	24	0.01	NA	1	1
IRS1	3667	Choroidal r	C0271066	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases	Disease or Syndrome	14	1	0.01	NA	1	1
IRS1	3667	Severe my	C0271183	disease	Eye Diseases	Disease or Syndrome	184	116	0.01	NA	1	1
IRS1	3667	Malignant	C0278996	disease	Neoplasms	Neoplastic Process	767	118	0.01	NA	0	1
IRS1	3667	Liver and I	C0279000	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1395	73	0.01	NA	1	1
IRS1	3667	Adult Rhab	C0279550	disease	Neoplasms	Neoplastic Process	509	12	0.01	NA	1	1
IRS1	3667	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.01	NA	1	1
IRS1	3667	Solid Neop	C0280100	phenotype	Neoplasms	Neoplastic Process	1145	24	0.01	NA	1	1
IRS1	3667	Iron Overlo	C0282193	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	241	53	0.01	NA	1	1
IRS1	3667	Depletion (	C0342782	disease	NA	Disease or Syndrome	36	7	0.01	NA	1	1
IRS1	3667	Fish-Eye Di	C0342895	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	19	22	0.01	NA	1	1
IRS1	3667	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.01	NA	1	1
IRS1	3667	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
IRS1	3667	Corticobas	C0393570	disease	Nervous System Diseases	Disease or Syndrome	35	14	0.01	NA	1	1
IRS1	3667	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.01	NA	1	1
IRS1	3667	Anovulator	C0429468	disease	Female Urogenital Diseases and Pregnancy Complications; Endocrine Syster	Disease or Syndrome	55	8	0.01	NA	1	1
IRS1	3667	Dementia	C0497327	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	816	176	0.01	NA	1	1
IRS1	3667	Pervasive I	C0524528	group	Mental Disorders	Mental or Behavioral Dysfunc	328	49	0.01	NA	1	1
IRS1	3667	Forgetful	C0542476	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Sign or Symptom	429	18	0.01	NA	1	1
IRS1	3667	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
IRS1	3667	Carotid Ath	C0577631	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	219	79	0.01	NA	1	1
IRS1	3667	Tumor Init	C0598935	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	533	8	0.01	NA	1	1
IRS1	3667	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
IRS1	3667	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
IRS1	3667	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2104	309	0.01	NA	1	1
IRS1	3667	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
IRS1	3667	Acute Ches	C0742343	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Respirato	Disease or Syndrome	405	135	0.01	NA	0	1
IRS1	3667	Memory L	C0751295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; E	Sign or Symptom	163	10	0.01	NA	1	1
IRS1	3667	Pregnancy	C0852036	phenotype	Female Urogenital Diseases and Pregnancy Complications; Cardiovascular D	Disease or Syndrome	186	43	0.01	NA	1	1
IRS1	3667	21-hydroxy	C0852654	disease	NA	Disease or Syndrome	55	28	0.01	NA	1	1
IRS1	3667	Endothelia	C0856169	phenotype	NA	Disease or Syndrome	716	25	0.01	NA	1	1
IRS1	3667	Ischemic st	C0948008	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1159	704	0.01	NA	1	1
IRS1	3667	Acute Coro	C0948089	disease	Cardiovascular Diseases	Disease or Syndrome	440	139	0.01	NA	1	1
IRS1	3667	Invasive Du	C1134719	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	414	16	0.01	NA	1	1
IRS1	3667	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
IRS1	3667	Overnutrit	C1257763	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	54	0	0.01	NA	1	1
IRS1	3667	Glucose M	C1257958	group	Nutritional and Metabolic Diseases	Disease or Syndrome	32	0	0.01	NA	1	1
IRS1	3667	Chronic my	C1292778	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	366	47	0.01	NA	1	1
IRS1	3667	Adenoma o	C1302401	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	452	213	0.01	NA	1	1
IRS1	3667	Liver regen	C1318485	phenotype	Digestive System Diseases	Disease or Syndrome	346	0	0.01	NA	1	1
IRS1	3667	Hormone r	C1328504	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	683	29	0.01	NA	1	1
IRS1	3667	Adult Lymp	C1332206	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1169	66	0.01	NA	1	1
IRS1	3667	Childhood	C1332979	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1171	66	0.01	NA	1	1
IRS1	3667	Differentia	C1337013	disease	NA	Neoplastic Process	245	80	0.01	NA	0	1
IRS1	3667	Cognitive d	C1392786	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	50	15	0.01	NA	1	1

IRS1	3667	Autism Spe	C1510586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1071	331	0.01	NA	1	1
IRS1	3667	Tumor Ang	C1519670	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	822	5	0.01	NA	1	1
IRS1	3667	Adenocarc	C1569637	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	130	4	0.01	NA	1	1
IRS1	3667	Malignant	C1608408	phenotype	NA	Neoplastic Process	1027	20	0.01	NA	1	1
IRS1	3667	Cirrhosis	C1623038	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	919	110	0.01	NA	1	1
IRS1	3667	Resistance	C1849157	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	55	4	0.01	NA	1	1
IRS1	3667	SVEINSSON	C1862382	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Disease or Syndrome	139	30	0.01	NA	1	1
IRS1	3667	HER2-posit	C1960398	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	288	26	0.01	NA	1	1
IRS1	3667	Pediatric C	C2362324	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Dis	Disease or Syndrome	191	67	0.01	NA	1	1
IRS1	3667	T-Cell Prol	C2363142	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	52	4	0.01	NA	1	1
IRS1	3667	Obesity, Vi	C2936179	phenotype	Nutritional and Metabolic Diseases	Sign or Symptom	55	3	0.01	NA	1	1
IRS1	3667	Congenital	C2936858	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Congenital Abnormality	50	62	0.01	NA	1	1
IRS1	3667	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
IRS1	3667	Deficiency	C2939465	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	75	20	0.01	NA	1	1
IRS1	3667	Head and N	C3887461	disease	Neoplasms	Neoplastic Process	786	118	0.01	NA	0	1
IRS1	3667	Restlessne	C3887611	phenotype	Behavior and Behavior Mechanisms	Sign or Symptom	9	4	0.01	NA	1	1
IRS1	3667	New Onset	C3896643	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	6	1	0.01	NA	1	1
IRS1	3667	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
IRS1	3667	Obstructiv	C4285910	disease	NA	Disease or Syndrome	41	7	0.01	NA	1	1
IRS1	3667	Fatty Liver	C4529962	disease	NA	Disease or Syndrome	741	81	0.01	NA	0	1
IRS1	3667	Secondary	C4721579	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	397	68	0.01	NA	1	1
IRS1	3667	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
IRS1	3667	Primary dif	C4722172	disease	NA	Neoplastic Process	167	41	0.01	NA	0	1
PNRC2	55629	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.01	NA	1	1
PNRC2	55629	Conventio	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2346	222	0.01	NA	1	1
PNRC2	55629	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
PNRC2	55629	Refractory	C2826323	disease	NA	Neoplastic Process	264	3	0.01	NA	1	1
PARD6A	50855	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.04	NA	1	4
PARD6A	50855	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.03	NA	1	3
PARD6A	50855	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.02	NA	1	2
PARD6A	50855	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.01	NA	1	1
PARD6A	50855	Choriocarc	C0008497	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	431	2	0.01	NA	1	1
PARD6A	50855	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
TSKU	25987	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.1	NA	1	1
TSKU	25987	Factor VII r	C2825856	phenotype	NA	Laboratory Procedure	16	36	0.1	NA	1	1
TSKU	25987	Kinesiopho	C4285782	disease	NA	Disease or Syndrome	14	1	0.04	NA	1	4
TSKU	25987	Pain	C0030193	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1554	196	0.03	NA	1	3
TSKU	25987	Anxiety	C0003467	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1048	287	0.02	NA	1	2
TSKU	25987	Anxiety Dis	C0003469	group	Mental Disorders	Mental or Behavioral Dysfunc	840	163	0.02	NA	1	2
TSKU	25987	Mental De	C0011570	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1478	271	0.02	NA	1	2
TSKU	25987	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.02	NA	1	2
TSKU	25987	Depressed	C0344315	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1461	269	0.02	NA	1	2
TSKU	25987	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
TSKU	25987	Dehydratic	C0011175	phenotype	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Dis	Disease or Syndrome	295	6	0.01	NA	1	1
TSKU	25987	Low Back P	C0024031	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	88	11	0.01	NA	1	1
TSKU	25987	Systemic S	C0036421	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	979	287	0.01	NA	1	1
TSKU	25987	Ankylosing	C0038013	disease	Musculoskeletal Diseases	Disease or Syndrome	710	609	0.01	NA	1	1
TSKU	25987	Cerebrova	C0038454	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1658	591	0.01	NA	1	1
TSKU	25987	Peritoneal	C0521607	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	104	0	0.01	NA	1	1
TSKU	25987	Axial spon	C3203547	disease	Musculoskeletal Diseases	Disease or Syndrome	67	0	0.01	NA	1	1

TSKU	25987	Fatty Liver	C4529962	disease	NA	Disease or Syndrome	741	81	0.01	NA	1	1
RBM47	54502	Juvenile-O	C0087031	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	171	41	0.3	NA	1	1
RBM47	54502	Juvenile ar	C3495559	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	450	128	0.3	NA	1	1
RBM47	54502	Juvenile ps	C3714758	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	138	0	0.3	NA	1	1
RBM47	54502	Polyarthrit	C4552091	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	131	0	0.3	NA	1	1
RBM47	54502	Polyarthrit	C4704862	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	131	0	0.3	NA	1	1
RBM47	54502	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.11	NA	1	1
RBM47	54502	Diastolic b	C0428883	phenotype	NA	Clinical Attribute	507	1037	0.1	NA	1	1
RBM47	54502	Systolic Pre	C0871470	phenotype	NA	Clinical Attribute	843	1931	0.1	NA	1	1
RBM47	54502	Serum tota	C1445957	phenotype	NA	Laboratory Procedure	486	1243	0.1	NA	1	1
RBM47	54502	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.03	NA	1	3
RBM47	54502	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.02	NA	1	2
RBM47	54502	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.02	NA	1	2
RBM47	54502	Ulcerative	C0009324	disease	Digestive System Diseases	Disease or Syndrome	1458	827	0.01	NA	1	1
RBM47	54502	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
RBM47	54502	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
RBM47	54502	Multiple En	C0025267	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasn	Neoplastic Process	145	156	0.01	NA	1	1
RBM47	54502	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
RBM47	54502	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
RBM47	54502	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
RBM47	54502	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
RBM47	54502	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
RBM47	54502	Immunosu	C4048329	disease	NA	Disease or Syndrome	632	9	0.01	NA	1	1
PLPP3	8613	Coronary A	C1956346	disease	Cardiovascular Diseases	Disease or Syndrome	1708	1577	0.49	NA	1	16
PLPP3	8613	Coronary A	C0010054	disease	Cardiovascular Diseases	Disease or Syndrome	1282	440	0.37	NA	1	8
PLPP3	8613	Cardiomeg	C0018800	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Finding	267	11	0.3	NA	1	1
PLPP3	8613	Ventricular	C0242698	phenotype	Cardiovascular Diseases	Pathologic Function	88	0	0.3	NA	1	1
PLPP3	8613	Cardiac Hy	C1383860	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Pathologic Function	88	11	0.3	NA	1	1
PLPP3	8613	Coronary h	C0010068	disease	Cardiovascular Diseases	Disease or Syndrome	1576	1178	0.18	NA	1	12
PLPP3	8613	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.11	NA	1	2
PLPP3	8613	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
PLPP3	8613	Myocardia	C0027051	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	1800	680	0.1	NA	1	1
PLPP3	8613	Cerebrovas	C0038454	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1658	591	0.1	NA	1	1
PLPP3	8613	Reticulocyt	C0206161	phenotype	NA	Laboratory Procedure	234	474	0.1	NA	1	1
PLPP3	8613	Systolic Pre	C0871470	phenotype	NA	Clinical Attribute	843	1931	0.1	NA	1	2
PLPP3	8613	CORONARY	C1842247	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	25	35	0.1	NA	1	1
PLPP3	8613	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.06	NA	1	6
PLPP3	8613	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.06	NA	1	6
PLPP3	8613	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.03	NA	1	3
PLPP3	8613	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
PLPP3	8613	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.01	NA	1	1
PLPP3	8613	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
PLPP3	8613	Heart failu	C0018801	disease	Cardiovascular Diseases	Disease or Syndrome	1499	201	0.01	NA	1	1
PLPP3	8613	Congestive	C0018802	disease	Cardiovascular Diseases	Disease or Syndrome	1760	165	0.01	NA	1	1
PLPP3	8613	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
PLPP3	8613	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
PLPP3	8613	Ischemic st	C0948008	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1159	704	0.01	NA	1	1
PLPP3	8613	Aortic valv	C1260873	disease	Cardiovascular Diseases	Disease or Syndrome	58	0	0.01	NA	1	1
PLPP3	8613	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
PLPP3	8613	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1

PLPP3	8613	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
PLPP3	8613	Tubulointe	C1969372	phenotype	NA	Disease or Syndrome	328	0	0.01	NA	1	1
PLPP3	8613	Nonalcoho	C3241937	disease	Digestive System Diseases	Disease or Syndrome	434	17	0.01	NA	1	1
ATP10A	57194	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.34	NA	1	5
ATP10A	57194	Diastolic b	C0428883	phenotype	NA	Clinical Attribute	507	1037	0.1	NA	1	1
ATP10A	57194	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.1	NA	1	1
ATP10A	57194	Prader-Wil	C0032897	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	185	8	0.03	NA	1	3
ATP10A	57194	Angelman	C0162635	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	94	135	0.02	NA	1	2
ATP10A	57194	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.01	NA	1	1
ATP10A	57194	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
ATP10A	57194	Glaucoma,	C0339573	disease	Eye Diseases	Disease or Syndrome	383	222	0.01	NA	1	1
ATP10A	57194	Pervasive I	C0524528	group	Mental Disorders	Mental or Behavioral Dysfunc	328	49	0.01	NA	1	1
ATP10A	57194	Autism Spe	C1510586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1071	331	0.01	NA	1	1
ALPK2	115701	Metastatic	C0278883	disease	Neoplasms	Neoplastic Process	504	42	0.3	NA	NA	0
ALPK2	115701	Undifferen	C0346167	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	5	0	0.3	NA	NA	0
ALPK2	115701	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.1	NA	1	1
ALPK2	115701	Eosinophil	C0200638	phenotype	NA	Laboratory Procedure	610	1144	0.1	NA	1	1
ALPK2	115701	Adolescent	C0410702	disease	Musculoskeletal Diseases	Anatomical Abnormality	656	1178	0.1	NA	1	1
ALPK2	115701	SCOLIOSIS,	C1837461	disease	NA	Finding	578	1158	0.1	NA	1	1
ALPK2	115701	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.05	NA	1	5
ALPK2	115701	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.04	NA	1	4
ALPK2	115701	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.02	NA	1	2
ALPK2	115701	Nodule	C0028259	phenotype	NA	Acquired Abnormality	278	19	0.02	NA	1	2
ALPK2	115701	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.02	NA	1	2
ALPK2	115701	Anaplasia	C0002793	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	538	7	0.01	NA	1	1
ALPK2	115701	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
ALPK2	115701	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
ALPK2	115701	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
ALPK2	115701	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
ALPK2	115701	Combined	C0221287	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	11	0	0.01	NA	1	1
ALPK2	115701	Well Differ	C3273033	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	8	0	0.01	NA	1	1
ALPK2	115701	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
FBXL4	26235	FBXL4-rela	C3809592	disease	NA	Disease or Syndrome	1	52	0.73	strong	1	12
FBXL4	26235	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.4	strong	1	2
FBXL4	26235	Depletion	C0342782	disease	NA	Disease or Syndrome	36	7	0.12	NA	1	5
FBXL4	26235	Acidosis, L	C0001125	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	209	21	0.11	NA	1	2
FBXL4	26235	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.11	NA	1	1
FBXL4	26235	Encephalo	C0085584	group	Nervous System Diseases	Disease or Syndrome	457	64	0.11	NA	1	1
FBXL4	26235	Mitochond	C0162666	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases; Nervous Sy	Disease or Syndrome	53	11	0.11	NA	1	1
FBXL4	26235	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.11	NA	1	2
FBXL4	26235	Deglutition	C0011168	group	Digestive System Diseases; Otorhinolaryngologic Diseases	Disease or Syndrome	389	50	0.1	NA	NA	0
FBXL4	26235	Gastroesop	C0017168	disease	Digestive System Diseases	Disease or Syndrome	446	52	0.1	NA	NA	0
FBXL4	26235	Leukodystr	C0023520	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	190	27	0.1	NA	NA	0
FBXL4	26235	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	1	7
FBXL4	26235	Feeding di	C0232466	phenotype	NA	Finding	473	62	0.1	NA	1	1
FBXL4	26235	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	1	1
FBXL4	26235	Small for g	C0235991	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Finding	181	34	0.1	NA	NA	0
FBXL4	26235	Saddle nos	C0264169	phenotype	Respiratory Tract Diseases; Otorhinolaryngologic Diseases	Finding	10	1	0.1	NA	NA	0
FBXL4	26235	Hyper-beta	C0268630	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Disease or Syndrome	33	0	0.1	NA	NA	0
FBXL4	26235	Small for g	C0302511	phenotype	Pathological Conditions, Signs and Symptoms	Finding	156	0	0.1	NA	NA	0

FBXL4	26235	Hypoplasia	C0344482	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	385	49	0.1	NA	NA	0
FBXL4	26235	Downward	C0423110	phenotype	NA	Finding	391	49	0.1	NA	NA	0
FBXL4	26235	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.1	NA	1	6
FBXL4	26235	Growth de	C0456070	phenotype	NA	Pathologic Function	244	40	0.1	NA	NA	0
FBXL4	26235	Skeletal m	C0541794	phenotype	NA	Pathologic Function	306	12	0.1	NA	NA	0
FBXL4	26235	Congenital	C0678230	disease	NA	Congenital Abnormality	417	30	0.1	NA	NA	0
FBXL4	26235	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.1	NA	NA	0
FBXL4	26235	Delayed m	C1277241	phenotype	Mental Disorders	Finding	112	6	0.1	NA	NA	0
FBXL4	26235	Increased s	C1836440	phenotype	Nutritional and Metabolic Diseases	Finding	169	2	0.1	NA	NA	0
FBXL4	26235	Severe glo	C1837397	phenotype	NA	Finding	130	50	0.1	NA	NA	0
FBXL4	26235	Narrow fac	C1837463	phenotype	NA	Finding	87	6	0.1	NA	NA	0
FBXL4	26235	Eversion o	C1853246	phenotype	NA	Finding	105	3	0.1	NA	NA	0
FBXL4	26235	Thick eyeb	C1853487	phenotype	NA	Finding	104	13	0.1	NA	NA	0
FBXL4	26235	Protruding	C1855285	phenotype	NA	Finding	152	6	0.1	NA	NA	0
FBXL4	26235	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
FBXL4	26235	Mild dysm	C2749190	phenotype	NA	Finding	1	1	0.1	NA	1	1
FBXL4	26235	Mitochond	C2751582	phenotype	NA	Finding	21	4	0.1	NA	NA	0
FBXL4	26235	Abnormali	C4021085	phenotype	NA	Anatomical Abnormality	104	131	0.1	NA	1	2
FBXL4	26235	Lactic acid	C0347959	phenotype	NA	Disease or Syndrome	12	0	0.02	NA	1	2
FBXL4	26235	Mitochond	C0751651	group	Nutritional and Metabolic Diseases	Disease or Syndrome	284	84	0.02	NA	1	2
FBXL4	26235	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
FBXL4	26235	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
FBXL4	26235	Neuromus	C0027868	group	Nervous System Diseases	Disease or Syndrome	171	50	0.01	NA	1	1
FBXL4	26235	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
FBXL4	26235	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
FBXL4	26235	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.01	NA	1	1
FBXL4	26235	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1
FBXL4	26235	Cardiomyo	C0878544	group	Cardiovascular Diseases	Disease or Syndrome	925	294	0.01	NA	1	1
FBXL4	26235	Mitochond	C0949857	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	49	3	0.01	NA	1	1
FBXL4	26235	Major Dep	C1269683	disease	Mental Disorders	Mental or Behavioral Dysfunc	1236	1451	0.01	NA	1	1
FBXL4	26235	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
FBXL4	26235	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
FBXL4	26235	Mitochond	C1852373	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases; Nervous Sy	Disease or Syndrome	32	8	0.01	NA	1	1
FBXL4	26235	THYROID H	C1861101	disease	Endocrine System Diseases	Disease or Syndrome	7	0	0.01	NA	1	1
FBXL4	26235	Pediatric fa	C2315100	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	166	122	0.01	NA	1	1
FBXL4	26235	Failure to t	C3887638	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	81	4	0.01	NA	1	1
FBXL4	26235	Congenital	C4025276	disease	Nutritional and Metabolic Diseases	Congenital Abnormality	12	5	0.01	NA	1	1
PCNT	5116	Microceph	C0432246	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	2	32	0.8	NA	1	15
PCNT	5116	Seckel synd	C0265202	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	56	3	0.55	strong	1	6
PCNT	5116	Disproport	C0878659	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	86	6	0.4	NA	NA	0
PCNT	5116	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.36	NA	0.5	6
PCNT	5116	Bipolar Dis	C0005586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1183	839	0.32	NA	1	3
PCNT	5116	Major Dep	C1269683	disease	Mental Disorders	Mental or Behavioral Dysfunc	1236	1451	0.32	NA	1	2
PCNT	5116	Unipolar D	C0041696	disease	Mental Disorders	Mental or Behavioral Dysfunc	641	225	0.31	NA	1	2
PCNT	5116	Moyamoya	C0026654	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	117	50	0.3	moderate	1	1
PCNT	5116	Psychotic D	C0033975	group	Mental Disorders	Mental or Behavioral Dysfunc	560	179	0.3	NA	1	1
PCNT	5116	Nonorgani	C0349204	disease	Mental Disorders	Mental or Behavioral Dysfunc	376	98	0.3	NA	1	1
PCNT	5116	Chronic my	C1292778	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	366	47	0.3	strong	NA	0
PCNT	5116	SECKEL SY	C1847572	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	2	3	0.3	NA	1	1
PCNT	5116	Microceph	C3502214	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1	0	0.3	NA	NA	0

PCNT	5116	Seckel synd	C4551474	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	3	8	0.3	NA	1	1
PCNT	5116	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.12	NA	1	2
PCNT	5116	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.12	NA	1	2
PCNT	5116	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.11	NA	1	2
PCNT	5116	Anemia	C0002871	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	847	94	0.1	NA	NA	0
PCNT	5116	Cachexia	C0006625	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	273	11	0.1	NA	NA	0
PCNT	5116	Craniosync	C0010278	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	488	90	0.1	NA	NA	0
PCNT	5116	Dental Ena	C0011351	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Disease or Syndrome	72	1	0.1	NA	NA	0
PCNT	5116	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.1	NA	NA	0
PCNT	5116	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.1	NA	NA	0
PCNT	5116	Fetal Grow	C0015934	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1037	21	0.1	NA	NA	0
PCNT	5116	Glaucoma	C0017601	disease	Eye Diseases	Disease or Syndrome	770	198	0.1	NA	NA	0
PCNT	5116	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	783	111	0.1	NA	NA	0
PCNT	5116	Atrial Sept	C0018817	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	384	96	0.1	NA	NA	0
PCNT	5116	Hyperopia	C0020490	disease	Eye Diseases	Disease or Syndrome	142	29	0.1	NA	NA	0
PCNT	5116	Micrognati	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
PCNT	5116	Micromelia	C0025995	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	104	1	0.1	NA	NA	0
PCNT	5116	Precocious	C0034013	disease	Endocrine System Diseases	Disease or Syndrome	139	20	0.1	NA	NA	0
PCNT	5116	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
PCNT	5116	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
PCNT	5116	Stricture o	C0038449	phenotype	Cardiovascular Diseases	Pathologic Function	16	0	0.1	NA	NA	0
PCNT	5116	Cerebrova	C0038454	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1658	591	0.1	NA	NA	0
PCNT	5116	Tracheal St	C0040583	disease	Respiratory Tract Diseases	Disease or Syndrome	30	2	0.1	NA	NA	0
PCNT	5116	Slipped Ca	C0149887	disease	Musculoskeletal Diseases	Disease or Syndrome	15	0	0.1	NA	NA	0
PCNT	5116	Dry skin	C0151908	phenotype	Skin and Connective Tissue Diseases	Sign or Symptom	159	12	0.1	NA	NA	0
PCNT	5116	Congenital	C0152423	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Otorhino	Congenital Abnormality	137	13	0.1	NA	NA	0
PCNT	5116	Cafe-au-La	C0221263	phenotype	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Finding	74	32	0.1	NA	NA	0
PCNT	5116	Brachydact	C0221357	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	325	43	0.1	NA	NA	0
PCNT	5116	Hip joint va	C0239138	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases	Finding	49	2	0.1	NA	NA	0
PCNT	5116	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
PCNT	5116	Microdont	C0240340	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	109	6	0.1	NA	NA	0
PCNT	5116	Convex na	C0240538	phenotype	NA	Finding	69	8	0.1	NA	NA	0
PCNT	5116	High pitche	C0241703	phenotype	NA	Finding	35	1	0.1	NA	NA	0
PCNT	5116	Laryngoma	C0264303	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	67	18	0.1	NA	NA	0
PCNT	5116	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
PCNT	5116	Hypoplasia	C0344482	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	385	49	0.1	NA	NA	0
PCNT	5116	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
PCNT	5116	Viral Load	C0376705	phenotype	NA	Finding	65	91	0.1	NA	1	1
PCNT	5116	Upward sla	C0423109	phenotype	NA	Finding	216	16	0.1	NA	NA	0
PCNT	5116	Downward	C0423110	phenotype	NA	Finding	391	49	0.1	NA	NA	0
PCNT	5116	Fine hair	C0423867	phenotype	NA	Finding	69	1	0.1	NA	NA	0
PCNT	5116	Large nose	C0426415	phenotype	NA	Finding	70	7	0.1	NA	NA	0
PCNT	5116	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.1	NA	1	7
PCNT	5116	Delayed bo	C0541764	phenotype	NA	Finding	295	14	0.1	NA	NA	0
PCNT	5116	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
PCNT	5116	Nasal voice	C0566620	phenotype	NA	Finding	93	3	0.1	NA	NA	0
PCNT	5116	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.1	NA	NA	0
PCNT	5116	Attention d	C1263846	disease	Mental Disorders	Mental or Behavioral Dysfunc	842	420	0.1	NA	NA	0
PCNT	5116	Hip Dysplas	C1328407	disease	Musculoskeletal Diseases; Wounds and Injuries	Anatomical Abnormality	128	16	0.1	NA	NA	0
PCNT	5116	Cerebral ve	C1531647	phenotype	Nervous System Diseases	Finding	410	0	0.1	NA	NA	0

PCNT	5116	Slender lor	C1833144	phenotype	NA	Finding	35	5	0.1	NA	NA	0
PCNT	5116	Underdeve	C1834055	phenotype	NA	Congenital Abnormality	79	8	0.1	NA	NA	0
PCNT	5116	HUMAN IM	C1836230	disease	NA	Finding	149	527	0.1	NA	1	1
PCNT	5116	HIV-1, RES	C1836231	phenotype	NA	Finding	147	526	0.1	NA	1	1
PCNT	5116	ACQUIRED	C1836232	phenotype	NA	Finding	147	526	0.1	NA	1	1
PCNT	5116	AIDS, PRO	C1836233	phenotype	NA	Finding	147	526	0.1	NA	1	1
PCNT	5116	hypopigme	C1836735	phenotype	Skin and Connective Tissue Diseases	Finding	123	2	0.1	NA	NA	0
PCNT	5116	Tibial bowi	C1837081	phenotype	Musculoskeletal Diseases	Finding	25	0	0.1	NA	NA	0
PCNT	5116	Narrow fac	C1837463	phenotype	NA	Finding	87	6	0.1	NA	NA	0
PCNT	5116	Short dista	C1839829	phenotype	NA	Finding	85	3	0.1	NA	NA	0
PCNT	5116	Sandal gap	C1840069	phenotype	NA	Finding	62	6	0.1	NA	NA	0
PCNT	5116	Narrow pe	C1848103	phenotype	NA	Finding	8	0	0.1	NA	NA	0
PCNT	5116	Short 1st n	C1849311	phenotype	NA	Finding	18	1	0.1	NA	NA	0
PCNT	5116	Absent ear	C1849364	phenotype	NA	Congenital Abnormality	14	1	0.1	NA	NA	0
PCNT	5116	Nasal bridg	C1849367	phenotype	NA	Finding	429	29	0.1	NA	NA	0
PCNT	5116	Clinodacty	C1850049	disease	NA	Congenital Abnormality	284	39	0.1	NA	NA	0
PCNT	5116	Flared met	C1850135	phenotype	NA	Finding	32	1	0.1	NA	NA	0
PCNT	5116	Aplasia/Hy	C1851792	disease	NA	Congenital Abnormality	11	0	0.1	NA	NA	0
PCNT	5116	Prominent	C1854113	phenotype	NA	Finding	180	8	0.1	NA	NA	0
PCNT	5116	Sparse sca	C1857042	phenotype	NA	Finding	85	7	0.1	NA	NA	0
PCNT	5116	Premature	C1857656	phenotype	NA	Finding	40	1	0.1	NA	NA	0
PCNT	5116	Sloping for	C1857679	phenotype	NA	Finding	149	5	0.1	NA	NA	0
PCNT	5116	Radial bow	C1859399	phenotype	NA	Anatomical Abnormality	19	2	0.1	NA	NA	0
PCNT	5116	Postnatal g	C1859778	phenotype	NA	Finding	121	11	0.1	NA	NA	0
PCNT	5116	Pseudoepi	C1860253	phenotype	NA	Finding	9	0	0.1	NA	NA	0
PCNT	5116	Cafe au lai	C1861975	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	61	13	0.1	NA	NA	0
PCNT	5116	Hypoplasti	C1865027	disease	NA	Anatomical Abnormality	22	0	0.1	NA	NA	0
PCNT	5116	Cone-shap	C1865037	phenotype	NA	Finding	49	2	0.1	NA	NA	0
PCNT	5116	Ulnar bow	C1865847	phenotype	NA	Finding	12	2	0.1	NA	NA	0
PCNT	5116	Full cheeks	C1866231	phenotype	NA	Finding	103	4	0.1	NA	NA	0
PCNT	5116	Dry Skin, C	C1963094	phenotype	NA	Finding	137	0	0.1	NA	NA	0
PCNT	5116	Narrow pa	C2675021	phenotype	NA	Finding	34	3	0.1	NA	NA	0
PCNT	5116	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
PCNT	5116	Dilated ver	C3278923	phenotype	NA	Finding	427	32	0.1	NA	NA	0
PCNT	5116	Retrognath	C3494422	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	191	11	0.1	NA	NA	0
PCNT	5116	Joint hyper	C3553764	phenotype	NA	Finding	181	12	0.1	NA	NA	0
PCNT	5116	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
PCNT	5116	Recurrent	C3806482	phenotype	Infections; Respiratory Tract Diseases	Finding	318	7	0.1	NA	NA	0
PCNT	5116	Mild globa	C4012968	phenotype	NA	Finding	36	13	0.1	NA	NA	0
PCNT	5116	Abnormali	C4021611	phenotype	NA	Anatomical Abnormality	86	0	0.1	NA	NA	0
PCNT	5116	Abnormali	C4021800	group	NA	Anatomical Abnormality	96	4	0.1	NA	NA	0
PCNT	5116	Abnormali	C4021822	disease	NA	Anatomical Abnormality	15	0	0.1	NA	NA	0
PCNT	5116	Aplasia/Hy	C4021956	phenotype	NA	Finding	52	0	0.1	NA	NA	0
PCNT	5116	Moyamoya	C4023169	disease	NA	Disease or Syndrome	10	0	0.1	NA	NA	0
PCNT	5116	Reduced n	C4024202	phenotype	NA	Finding	67	11	0.1	NA	NA	0
PCNT	5116	Areas of hy	C4024886	phenotype	NA	Finding	1	0	0.1	NA	NA	0
PCNT	5116	Abnormali	C4025814	disease	NA	Anatomical Abnormality	97	0	0.1	NA	NA	0
PCNT	5116	Dilatation	C4476540	phenotype	Nervous System Diseases; Cardiovascular Diseases	Anatomical Abnormality	26	1	0.1	NA	NA	0
PCNT	5116	Truncal ob	C4551560	phenotype	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Finding	38	4	0.1	NA	NA	0
PCNT	5116	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.05	NA	1	5

PCNT	5116	Down Synd	C0013080	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	766	80	0.04	NA	1	4
PCNT	5116	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.04	NA	1	4
PCNT	5116	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.03	NA	1	3
PCNT	5116	Complete T	C4521042	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	669	77	0.03	NA	1	3
PCNT	5116	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.02	NA	1	2
PCNT	5116	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.02	NA	1	2
PCNT	5116	PITUITARY	C0342573	disease	Musculoskeletal Diseases; Nervous System Diseases; Endocrine System Di	Congenital Abnormality	25	9	0.02	NA	1	2
PCNT	5116	Osteodysp	C0432244	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	1	0	0.02	NA	1	2
PCNT	5116	Mental dis	C0004936	group	Mental Disorders	Mental or Behavioral Dysfunc	789	149	0.01	NA	1	1
PCNT	5116	Blast Phase	C0005699	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Hemic and Lym	Neoplastic Process	299	14	0.01	NA	1	1
PCNT	5116	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
PCNT	5116	Intracrania	C0007766	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	311	150	0.01	NA	1	1
PCNT	5116	Cerebrova	C0007820	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	233	56	0.01	NA	1	1
PCNT	5116	Congenital	C0008626	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	757	47	0.01	NA	1	1
PCNT	5116	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
PCNT	5116	Mental De	C0011570	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1478	271	0.01	NA	1	1
PCNT	5116	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.01	NA	1	1
PCNT	5116	Fibromusc	C0016052	disease	Cardiovascular Diseases	Disease or Syndrome	47	3	0.01	NA	1	1
PCNT	5116	pathologic	C0016169	phenotype	Pathological Conditions, Signs and Symptoms	Anatomical Abnormality	71	8	0.01	NA	1	1
PCNT	5116	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.01	NA	1	1
PCNT	5116	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
PCNT	5116	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
PCNT	5116	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
PCNT	5116	Dermatitis	C0162830	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	89	0	0.01	NA	1	1
PCNT	5116	Urinary tra	C0178879	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	27	0	0.01	NA	1	1
PCNT	5116	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.01	NA	1	1
PCNT	5116	Muscular D	C0238288	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	143	3	0.01	NA	1	1
PCNT	5116	Impaired g	C0271650	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	596	81	0.01	NA	1	1
PCNT	5116	Depressed	C0344315	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1461	269	0.01	NA	1	1
PCNT	5116	Osteodysp	C0410533	disease	NA	Congenital Abnormality	8	0	0.01	NA	1	1
PCNT	5116	Dyslexia	C0476254	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	118	30	0.01	NA	1	1
PCNT	5116	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1
PCNT	5116	Subfertility	C0729353	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	91	3	0.01	NA	1	1
PCNT	5116	Cardiomyo	C0878544	group	Cardiovascular Diseases	Disease or Syndrome	925	294	0.01	NA	1	1
PCNT	5116	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.01	NA	1	1
PCNT	5116	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
PCNT	5116	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
PCNT	5116	Autosomal	C3711387	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	33	99	0.01	NA	1	1
PCNT	5116	Aplasia/Hy	C4024589	phenotype	NA	Anatomical Abnormality	19	1	0.01	NA	1	1
PCNT	5116	Ciliopathie	C4277690	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	241	7	0.01	NA	1	1
PCNT	5116	FRONTOM	C4281559	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	28	3	0.01	NA	1	1
PCNT	5116	Mantle cel	C4721414	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	466	19	0.01	NA	1	1
PCNT	5116	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
RPL21	6144	HYPOTRICH	C4014563	disease	NA	Disease or Syndrome	1	1	0.6	limited	1	1
RPL21	6144	Hypotricho	C0020678	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	69	2	0.4	NA	NA	0
RPL21	6144	Hypotricho	C1854310	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	37	5	0.31	NA	1	1
RPL21	6144	Alopecia	C0002170	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	491	375	0.1	NA	NA	0
RPL21	6144	Dry hair	C0277960	phenotype	NA	Finding	12	2	0.1	NA	NA	0
RPL21	6144	Slow-grow	C1832348	phenotype	NA	Finding	35	1	0.1	NA	NA	0
RPL21	6144	Sparse eye	C1843300	phenotype	NA	Finding	60	4	0.1	NA	NA	0

RPL21	6144	Sparse bod	C1862863	phenotype	NA	Finding	57	0	0.1	NA	NA	0
RPL21	6144	Hypotricho	C1873509	phenotype	NA	Finding	12	1	0.1	NA	NA	0
RPL21	6144	Sparse or a	C3551431	phenotype	NA	Finding	13	0	0.1	NA	NA	0
RPL21	6144	Aplasia/Hy	C4021956	phenotype	NA	Finding	52	0	0.1	NA	NA	0
RPL21	6144	Sparse and	C4282407	phenotype	NA	Finding	68	8	0.1	NA	NA	0
RPL21	6144	Herpes Sim	C0019348	group	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	645	11	0.01	NA	1	1
RPL21	6144	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.01	NA	1	1
HUWE1	10075	Mental Ret	C2678046	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1	25	0.7	strong	1	2
HUWE1	10075	Mental Ret	C3501611	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	16	2	0.3	definitive	1	15
HUWE1	10075	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.2	NA	1	13
HUWE1	10075	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	429	74	0.11	NA	1	1
HUWE1	10075	Blepharopt	C0005744	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	106	15	0.1	NA	NA	0
HUWE1	10075	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
HUWE1	10075	Craniosync	C0010278	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	488	90	0.1	NA	NA	0
HUWE1	10075	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
HUWE1	10075	Deglutition	C0011168	group	Digestive System Diseases; Otorhinolaryngologic Diseases	Disease or Syndrome	389	50	0.1	NA	NA	0
HUWE1	10075	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.1	NA	NA	0
HUWE1	10075	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
HUWE1	10075	Esotropia	C0014877	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	121	39	0.1	NA	NA	0
HUWE1	10075	Exophthalr	C0015300	disease	Eye Diseases	Disease or Syndrome	225	12	0.1	NA	NA	0
HUWE1	10075	Flatfoot	C0016202	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	285	38	0.1	NA	NA	0
HUWE1	10075	Congenital	C0016842	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	272	36	0.1	NA	NA	0
HUWE1	10075	Hypertrich	C0020555	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	92	27	0.1	NA	NA	0
HUWE1	10075	Hypodonti	C0020608	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	218	48	0.1	NA	NA	0
HUWE1	10075	Female inf	C0021361	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	37	2	0.1	NA	NA	0
HUWE1	10075	Little's Dis	C0023882	disease	Nervous System Diseases	Disease or Syndrome	37	6	0.1	NA	NA	0
HUWE1	10075	Macroston	C0024433	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	148	11	0.1	NA	NA	0
HUWE1	10075	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
HUWE1	10075	Micrognat	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
HUWE1	10075	Microstom	C0026034	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	172	9	0.1	NA	NA	0
HUWE1	10075	Mild Ment	C0026106	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	340	56	0.1	NA	NA	0
HUWE1	10075	Moderate	C0026351	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	251	94	0.1	NA	NA	0
HUWE1	10075	Muscle Hy	C0026826	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	197	21	0.1	NA	NA	0
HUWE1	10075	Myopia	C0027092	disease	Eye Diseases	Disease or Syndrome	490	167	0.1	NA	NA	0
HUWE1	10075	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
HUWE1	10075	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.1	NA	NA	0
HUWE1	10075	Optic Atro	C0029124	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	568	51	0.1	NA	NA	0
HUWE1	10075	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
HUWE1	10075	Retinal Dis	C0035309	group	Eye Diseases	Disease or Syndrome	714	56	0.1	NA	NA	0
HUWE1	10075	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
HUWE1	10075	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
HUWE1	10075	Stereotypi	C0038273	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	192	26	0.1	NA	NA	0
HUWE1	10075	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
HUWE1	10075	Tooth Crov	C0040433	phenotype	Stomatognathic Diseases	Finding	82	19	0.1	NA	NA	0
HUWE1	10075	Vesico-Ure	C0042580	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	187	23	0.1	NA	NA	0
HUWE1	10075	Holoprose	C0079541	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	109	45	0.1	NA	NA	0
HUWE1	10075	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
HUWE1	10075	Acquired c	C0158465	disease	NA	Acquired Abnormality	35	1	0.1	NA	NA	0
HUWE1	10075	Macrocepl	C0221355	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	367	10	0.1	NA	NA	0
HUWE1	10075	Brachycep	C0221356	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	186	20	0.1	NA	NA	0

HUWE1	10075	Brachydac	C0221357	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	325	43	0.1	NA	NA	0
HUWE1	10075	Acquired C	C0221369	disease	NA	Acquired Abnormality	120	1	0.1	NA	NA	0
HUWE1	10075	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
HUWE1	10075	Small for g	C0235991	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Finding	181	34	0.1	NA	NA	0
HUWE1	10075	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
HUWE1	10075	High foreh	C0239676	phenotype	NA	Finding	211	17	0.1	NA	NA	0
HUWE1	10075	Bulbous nc	C0240543	phenotype	NA	Finding	123	13	0.1	NA	NA	0
HUWE1	10075	Byzanthine	C0240635	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	497	70	0.1	NA	NA	0
HUWE1	10075	Delayed ab	C0241726	phenotype	NA	Finding	77	0	0.1	NA	NA	0
HUWE1	10075	Trigonocep	C0265535	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	52	7	0.1	NA	NA	0
HUWE1	10075	Clinodacty	C0265610	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	160	7	0.1	NA	NA	0
HUWE1	10075	Coarse hai	C0277959	phenotype	NA	Finding	60	4	0.1	NA	NA	0
HUWE1	10075	Small for g	C0302511	phenotype	Pathological Conditions, Signs and Symptoms	Finding	156	0	0.1	NA	NA	0
HUWE1	10075	Flexion cor	C0333068	disease	Musculoskeletal Diseases	Finding	210	32	0.1	NA	NA	0
HUWE1	10075	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
HUWE1	10075	Upward sla	C0423109	phenotype	NA	Finding	216	16	0.1	NA	NA	0
HUWE1	10075	Downward	C0423110	phenotype	NA	Finding	391	49	0.1	NA	NA	0
HUWE1	10075	Short palp	C0423112	phenotype	NA	Finding	91	16	0.1	NA	NA	0
HUWE1	10075	Sunken eye	C0423224	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	171	54	0.1	NA	NA	0
HUWE1	10075	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.1	NA	NA	0
HUWE1	10075	Orbital sep	C0424711	phenotype	NA	Finding	89	11	0.1	NA	NA	0
HUWE1	10075	Learning d	C0424939	phenotype	NA	Finding	6	6	0.1	NA	NA	0
HUWE1	10075	Tapering fi	C0426886	phenotype	NA	Finding	91	19	0.1	NA	NA	0
HUWE1	10075	Secondary	C0431352	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	13	20	0.1	NA	NA	0
HUWE1	10075	Posteriorly	C0431478	disease	NA	Congenital Abnormality	176	23	0.1	NA	NA	0
HUWE1	10075	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
HUWE1	10075	Growth de	C0456070	phenotype	NA	Pathologic Function	244	40	0.1	NA	NA	0
HUWE1	10075	Tooth abse	C0457756	phenotype	NA	Finding	5	6	0.1	NA	NA	0
HUWE1	10075	Short neck	C0521525	phenotype	NA	Finding	288	29	0.1	NA	NA	0
HUWE1	10075	Delayed bo	C0541764	phenotype	NA	Finding	295	14	0.1	NA	NA	0
HUWE1	10075	Skeletal m	C0541794	phenotype	NA	Pathologic Function	306	12	0.1	NA	NA	0
HUWE1	10075	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
HUWE1	10075	Poor coord	C0563243	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	26	8	0.1	NA	NA	0
HUWE1	10075	Nasal voice	C0566620	phenotype	NA	Finding	93	3	0.1	NA	NA	0
HUWE1	10075	Small hand	C0575802	phenotype	NA	Finding	108	31	0.1	NA	NA	0
HUWE1	10075	Short foot	C0576226	phenotype	NA	Finding	116	0	0.1	NA	NA	0
HUWE1	10075	Congenital	C0678230	disease	NA	Congenital Abnormality	417	30	0.1	NA	NA	0
HUWE1	10075	Congenital	C0685409	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	123	10	0.1	NA	NA	0
HUWE1	10075	Abnormali	C0744356	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Finding	36	4	0.1	NA	NA	0
HUWE1	10075	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.1	NA	NA	0
HUWE1	10075	Autistic be	C0856975	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	261	78	0.1	NA	NA	0
HUWE1	10075	Abnormali	C0857379	phenotype	NA	Finding	85	9	0.1	NA	NA	0
HUWE1	10075	Overriding	C0920299	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	47	13	0.1	NA	NA	0
HUWE1	10075	Macroorch	C1263023	disease	NA	Finding	16	0	0.1	NA	NA	0
HUWE1	10075	Epicanthus	C1303003	phenotype	NA	Finding	9	1	0.1	NA	NA	0
HUWE1	10075	Penis agen	C1387005	disease	Male Urogenital Diseases	Congenital Abnormality	217	11	0.1	NA	NA	0
HUWE1	10075	Penile hyp	C1691215	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	127	83	0.1	NA	NA	0
HUWE1	10075	Slender lor	C1833144	phenotype	NA	Finding	35	5	0.1	NA	NA	0
HUWE1	10075	Thick corp	C1835194	phenotype	NA	Finding	4	1	0.1	NA	NA	0
HUWE1	10075	Short statu	C1835465	phenotype	NA	Finding	1	3	0.1	NA	NA	0

HUWE1	10075	Triangular	C1835884	phenotype	NA	Finding	111	16	0.1	NA	NA	0
HUWE1	10075	Long face	C1836047	phenotype	NA	Finding	182	12	0.1	NA	NA	0
HUWE1	10075	Depressed	C1836542	phenotype	NA	Finding	426	39	0.1	NA	NA	0
HUWE1	10075	Cleft palat	C1837218	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	295	70	0.1	NA	NA	0
HUWE1	10075	Flat occipu	C1837402	phenotype	NA	Finding	45	6	0.1	NA	NA	0
HUWE1	10075	High, narro	C1837404	phenotype	NA	Finding	129	21	0.1	NA	NA	0
HUWE1	10075	Gross mot	C1837658	disease	Mental Disorders	Disease or Syndrome	118	59	0.1	NA	NA	0
HUWE1	10075	Say Meyer	C1839125	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1	1	0.1	NA	NA	0
HUWE1	10075	Tented up	C1839767	phenotype	NA	Finding	79	8	0.1	NA	NA	0
HUWE1	10075	Short dista	C1839829	phenotype	NA	Finding	85	3	0.1	NA	NA	0
HUWE1	10075	Short 4th r	C1840309	phenotype	NA	Finding	14	1	0.1	NA	NA	0
HUWE1	10075	Poor schoo	C1843367	phenotype	NA	Finding	211	411	0.1	NA	NA	0
HUWE1	10075	Pointed ch	C1844505	phenotype	NA	Finding	71	13	0.1	NA	NA	0
HUWE1	10075	Cupped ea	C1845447	phenotype	NA	Congenital Abnormality	45	7	0.1	NA	NA	0
HUWE1	10075	Coarse faci	C1845847	phenotype	Pathological Conditions, Signs and Symptoms	Finding	194	33	0.1	NA	NA	0
HUWE1	10075	Short fourt	C1848514	phenotype	NA	Finding	8	2	0.1	NA	NA	0
HUWE1	10075	Hypoplasti	C1848673	phenotype	NA	Finding	129	21	0.1	NA	NA	0
HUWE1	10075	Nasal bridg	C1849367	phenotype	NA	Finding	429	29	0.1	NA	NA	0
HUWE1	10075	Clinodacty	C1850049	disease	NA	Congenital Abnormality	284	39	0.1	NA	NA	0
HUWE1	10075	Flat face	C1853241	phenotype	NA	Finding	83	7	0.1	NA	NA	0
HUWE1	10075	Short nose	C1854114	phenotype	NA	Finding	265	23	0.1	NA	NA	0
HUWE1	10075	Absent spe	C1854882	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	232	72	0.1	NA	NA	0
HUWE1	10075	Protruding	C1855285	phenotype	NA	Finding	152	6	0.1	NA	NA	0
HUWE1	10075	Low poster	C1855728	phenotype	NA	Finding	86	11	0.1	NA	NA	0
HUWE1	10075	Hypoplasti	C1856786	phenotype	NA	Finding	30	2	0.1	NA	NA	0
HUWE1	10075	Malar flatt	C1858085	disease	NA	Anatomical Abnormality	190	12	0.1	NA	NA	0
HUWE1	10075	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
HUWE1	10075	Freckles in	C1859923	phenotype	NA	Finding	5	1	0.1	NA	NA	0
HUWE1	10075	Abnormali	C1860493	phenotype	NA	Anatomical Abnormality	46	11	0.1	NA	NA	0
HUWE1	10075	Metopic sy	C1860819	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	28	5	0.1	NA	NA	0
HUWE1	10075	Short philt	C1861324	phenotype	NA	Finding	182	25	0.1	NA	NA	0
HUWE1	10075	Short 5th r	C1861388	phenotype	NA	Finding	10	3	0.1	NA	NA	0
HUWE1	10075	Long philtr	C1865014	phenotype	NA	Finding	282	16	0.1	NA	NA	0
HUWE1	10075	Thin upper	C1865017	phenotype	NA	Finding	211	25	0.1	NA	NA	0
HUWE1	10075	Limited elb	C1867103	phenotype	NA	Finding	26	2	0.1	NA	NA	0
HUWE1	10075	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
HUWE1	10075	Pediatric fa	C2315100	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	166	122	0.1	NA	NA	0
HUWE1	10075	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
HUWE1	10075	Profound i	C3161330	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	112	10	0.1	NA	NA	0
HUWE1	10075	Hearing Lo	C3887873	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Finding	18	61	0.1	NA	NA	0
HUWE1	10075	Absent nar	C4020963	phenotype	NA	Finding	4	0	0.1	NA	NA	0
HUWE1	10075	Short third	C4021650	phenotype	NA	Anatomical Abnormality	3	2	0.1	NA	NA	0
HUWE1	10075	Abnormali	C4025870	phenotype	NA	Anatomical Abnormality	2	1	0.1	NA	NA	0
HUWE1	10075	Oligodonti	C4082304	disease	NA	Congenital Abnormality	62	34	0.1	NA	NA	0
HUWE1	10075	Dimple chi	C4317152	phenotype	NA	Anatomical Abnormality	16	2	0.1	NA	NA	0
HUWE1	10075	Clinodacty	C4551485	disease	NA	Congenital Abnormality	148	18	0.1	NA	NA	0
HUWE1	10075	Microceph	C4551563	phenotype	NA	Finding	160	246	0.1	NA	NA	0
HUWE1	10075	2-3 toe syn	C4551570	disease	NA	Congenital Abnormality	85	16	0.1	NA	NA	0
HUWE1	10075	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
HUWE1	10075	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.09	NA	1	9

HUWE1	10075	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.07	NA	1	7
HUWE1	10075	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.07	NA	1	7
HUWE1	10075	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.05	NA	1	5
HUWE1	10075	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.04	NA	1	4
HUWE1	10075	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.03	NA	1	3
HUWE1	10075	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.03	NA	1	3
HUWE1	10075	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.03	NA	1	3
HUWE1	10075	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.03	NA	1	3
HUWE1	10075	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.03	NA	1	3
HUWE1	10075	Primary m	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.03	NA	1	3
HUWE1	10075	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.03	NA	1	3
HUWE1	10075	B-Cell Lym	C0079731	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1408	42	0.02	NA	1	2
HUWE1	10075	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.02	NA	1	2
HUWE1	10075	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.02	NA	1	2
HUWE1	10075	Neurodeve	C1535926	group	Mental Disorders	Mental or Behavioral Dysfunc	535	14	0.02	NA	1	2
HUWE1	10075	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
HUWE1	10075	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.01	NA	1	1
HUWE1	10075	Malignant	C0007115	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	949	103	0.01	NA	1	1
HUWE1	10075	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
HUWE1	10075	Brain Ische	C0007786	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	358	5	0.01	NA	1	1
HUWE1	10075	Kidney Fail	C0022660	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	826	32	0.01	NA	1	1
HUWE1	10075	Leukopenia	C0023530	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	440	153	0.01	NA	1	1
HUWE1	10075	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.01	NA	1	1
HUWE1	10075	Mental Ret	C0025362	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Mental or Behavioral Dysfunc	505	98	0.01	NA	1	1
HUWE1	10075	Neutropen	C0027947	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	389	97	0.01	NA	1	1
HUWE1	10075	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1
HUWE1	10075	Rheumatic	C0035436	disease	Infections; Musculoskeletal Diseases	Disease or Syndrome	94	5	0.01	NA	1	1
HUWE1	10075	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
HUWE1	10075	Virus Disea	C0042769	group	Infections	Disease or Syndrome	1471	42	0.01	NA	1	1
HUWE1	10075	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
HUWE1	10075	Metastatic	C0220650	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Nervous Syster	Neoplastic Process	392	28	0.01	NA	1	1
HUWE1	10075	Inflammat	C0234251	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	266	1	0.01	NA	1	1
HUWE1	10075	Acute resp	C0264490	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	78	5	0.01	NA	1	1
HUWE1	10075	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.01	NA	1	1
HUWE1	10075	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.01	NA	1	1
HUWE1	10075	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.01	NA	1	1
HUWE1	10075	Congenital	C0340970	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Congenital Abnormality	68	11	0.01	NA	1	1
HUWE1	10075	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
HUWE1	10075	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.01	NA	1	1
HUWE1	10075	Breast Carc	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
HUWE1	10075	Juberg-Ma	C0796003	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Disease or Syndrome	4	14	0.01	NA	1	1
HUWE1	10075	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.01	NA	1	1
HUWE1	10075	Mental Ret	C1136249	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	141	13	0.01	NA	1	1
HUWE1	10075	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
HUWE1	10075	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.01	NA	1	1
HUWE1	10075	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.01	NA	1	1
HUWE1	10075	Familial (FI	C1611743	disease	NA	Disease or Syndrome	1075	276	0.01	NA	1	1
HUWE1	10075	Severe con	C1853118	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	66	26	0.01	NA	1	1
HUWE1	10075	Trichohepa	C1857276	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Disease or Syndrome	424	28	0.01	NA	0	1
HUWE1	10075	Growth an	C1864652	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Disease or Syndrome	4	18	0.01	NA	1	1

HUWE1	10075	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
HUWE1	10075	HIV-1 infec	C2363741	disease	NA	Disease or Syndrome	695	94	0.01	NA	1	1
HUWE1	10075	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
HUWE1	10075	Miscarriag	C4552766	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	426	56	0.01	NA	1	1
HUWE1	10075	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
NRBP1	29959	Ovarian M	C1335167	disease	Neoplasms	Neoplastic Process	45	24	0.3	NA	NA	0
NRBP1	29959	Arthritis, G	C0003868	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	206	2356	0.1	NA	1	2
NRBP1	29959	Gout	C0018099	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	205	2354	0.1	NA	1	2
NRBP1	29959	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.03	NA	1	3
NRBP1	29959	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.01	NA	1	1
NRBP1	29959	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.01	NA	1	1
NRBP1	29959	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
NRBP1	29959	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.01	NA	1	1
NRBP1	29959	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.01	NA	1	1
NRBP1	29959	Myeloid Le	C0023470	disease	Neoplasms	Neoplastic Process	385	7	0.01	NA	1	1
NRBP1	29959	Oral Cavity	C0151546	disease	Digestive System Diseases; Neoplasms; Stomatognathic Diseases	Neoplastic Process	167	16	0.01	NA	1	1
NRBP1	29959	Lip and Ora	C0220641	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	734	172	0.01	NA	1	1
NRBP1	29959	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
NRBP1	29959	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1
NRBP1	29959	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2104	309	0.01	NA	1	1
NRBP1	29959	Benign Pro	C1704272	disease	Male Urogenital Diseases	Disease or Syndrome	770	91	0.01	NA	1	1
NRBP1	29959	Progressio	C1739135	disease	NA	Neoplastic Process	398	7	0.01	NA	1	1
SLC35F6	54978	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.01	NA	1	1
SLC35F6	54978	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
SLC35F6	54978	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
SLC35F6	54978	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
SLC35F6	54978	ANOPHTHA	C1832661	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	1410	80	0.01	NA	1	1
ALMS1	7840	Alstrom Sy	C0268425	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	12	179	1	definitive	1	63
ALMS1	7840	Cardiomyo	C0007193	group	Cardiovascular Diseases	Disease or Syndrome	512	509	0.4	NA	1	1
ALMS1	7840	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.37	NA	1	8
ALMS1	7840	Bardet-Bie	C0752166	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	86	163	0.33	strong	1	4
ALMS1	7840	Disorder o	C0015397	group	Eye Diseases	Disease or Syndrome	400	14	0.3	NA	NA	0
ALMS1	7840	Polydactyl	C0152427	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	188	43	0.3	NA	1	1
ALMS1	7840	Cardiomyo	C1449563	disease	Cardiovascular Diseases	Disease or Syndrome	773	243	0.3	NA	1	1
ALMS1	7840	Childhood-	C1859846	phenotype	NA	Finding	11	4	0.3	strong	NA	0
ALMS1	7840	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.17	NA	1	7
ALMS1	7840	Cone-Rod	C4085590	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	86	53	0.13	NA	1	3
ALMS1	7840	Hyperinsul	C0020459	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	620	64	0.12	NA	1	2
ALMS1	7840	Blindness	C0456909	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	393	34	0.12	NA	1	2
ALMS1	7840	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.11	NA	1	1
ALMS1	7840	Chronic Kid	C1561643	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1074	306	0.11	NA	1	2
ALMS1	7840	Acanthosis	C0000889	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	64	11	0.1	NA	NA	0
ALMS1	7840	Alopecia	C0002170	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	491	375	0.1	NA	NA	0
ALMS1	7840	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.1	NA	NA	0
ALMS1	7840	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.1	NA	NA	0
ALMS1	7840	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.1	NA	NA	0
ALMS1	7840	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.1	NA	NA	0
ALMS1	7840	Diabetes In	C0011848	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	57	3	0.1	NA	NA	0
ALMS1	7840	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
ALMS1	7840	Fatty Liver	C0015695	disease	Digestive System Diseases	Disease or Syndrome	875	35	0.1	NA	NA	0

ALMS1	7840	Flatfoot	C0016202	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	285	38	0.1	NA	NA	0
ALMS1	7840	Gingivitis	C0017574	disease	Infections; Stomatognathic Diseases	Disease or Syndrome	152	3	0.1	NA	NA	0
ALMS1	7840	Glomerula	C0017654	phenotype	NA	Diagnostic Procedure	399	1033	0.1	NA	1	4
ALMS1	7840	Gynecoma	C0018418	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	121	8	0.1	NA	NA	0
ALMS1	7840	Hand defo	C0018564	group	Musculoskeletal Diseases	Anatomical Abnormality	60	2	0.1	NA	NA	0
ALMS1	7840	Congestive	C0018802	disease	Cardiovascular Diseases	Disease or Syndrome	1760	165	0.1	NA	NA	0
ALMS1	7840	Hepatome	C0019209	phenotype	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Finding	523	30	0.1	NA	NA	0
ALMS1	7840	Hyperosto	C0020494	disease	Musculoskeletal Diseases	Disease or Syndrome	4	0	0.1	NA	NA	0
ALMS1	7840	Portal Hyp	C0020541	disease	Digestive System Diseases	Disease or Syndrome	167	9	0.1	NA	NA	0
ALMS1	7840	Hypertens	C0020545	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	78	8	0.1	NA	NA	0
ALMS1	7840	Hypertrigly	C0020557	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	340	169	0.1	NA	NA	0
ALMS1	7840	Hypothyro	C0020676	disease	Endocrine System Diseases	Disease or Syndrome	613	283	0.1	NA	NA	0
ALMS1	7840	Insulin Res	C0021655	phenotype	Nutritional and Metabolic Diseases	Pathologic Function	162	53	0.1	NA	NA	0
ALMS1	7840	Intelligenc	C0021704	phenotype	Behavior and Behavior Mechanisms	Mental Process	645	2093	0.1	NA	1	2
ALMS1	7840	Kyphosis d	C0022821	phenotype	Musculoskeletal Diseases	Anatomical Abnormality	305	10	0.1	NA	NA	0
ALMS1	7840	Leukodystr	C0023520	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	190	27	0.1	NA	NA	0
ALMS1	7840	Nephritis	C0027697	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	296	40	0.1	NA	NA	0
ALMS1	7840	Nephrocal	C0027709	disease	Nutritional and Metabolic Diseases; Female Urogenital Diseases and Pregna	Disease or Syndrome	118	20	0.1	NA	NA	0
ALMS1	7840	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
ALMS1	7840	Otitis Med	C0029882	disease	Otorhinolaryngologic Diseases	Disease or Syndrome	175	8	0.1	NA	NA	0
ALMS1	7840	Polycystic	C0032460	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Disease or Syndrome	988	363	0.1	NA	NA	0
ALMS1	7840	Precocious	C0034013	disease	Endocrine System Diseases	Disease or Syndrome	139	20	0.1	NA	NA	0
ALMS1	7840	Pulmonary	C0034069	disease	Respiratory Tract Diseases	Disease or Syndrome	924	25	0.1	NA	NA	0
ALMS1	7840	Respirator	C0035229	phenotype	Respiratory Tract Diseases	Pathologic Function	315	15	0.1	NA	NA	0
ALMS1	7840	Retinitis Pi	C0035334	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	546	541	0.1	NA	NA	0
ALMS1	7840	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.1	NA	1	1
ALMS1	7840	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	1	1
ALMS1	7840	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
ALMS1	7840	Splenomeg	C0038002	phenotype	Pathological Conditions, Signs and Symptoms	Finding	345	19	0.1	NA	NA	0
ALMS1	7840	Nephritis,	C0041349	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	92	6	0.1	NA	NA	0
ALMS1	7840	Vesico-Ure	C0042580	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	187	23	0.1	NA	NA	0
ALMS1	7840	Low Vision	C0042798	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	157	51	0.1	NA	NA	0
ALMS1	7840	Photophob	C0085636	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Sign or Symptom	227	7	0.1	NA	NA	0
ALMS1	7840	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.1	NA	NA	0
ALMS1	7840	Decreased	C0151691	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Finding	12	2	0.1	NA	NA	0
ALMS1	7840	Testicular I	C0151721	disease	Endocrine System Diseases	Disease or Syndrome	50	1	0.1	NA	NA	0
ALMS1	7840	Irregular M	C0156404	phenotype	Pathological Conditions, Signs and Symptoms	Finding	9	3	0.1	NA	NA	0
ALMS1	7840	Creatinine	C0201976	phenotype	NA	Laboratory Procedure	124	243	0.1	NA	1	2
ALMS1	7840	Low densit	C0202117	phenotype	NA	Laboratory Procedure	483	1142	0.1	NA	1	1
ALMS1	7840	Triglyceric	C0202236	phenotype	NA	Laboratory Procedure	563	1418	0.1	NA	1	1
ALMS1	7840	Visual field	C0235095	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	57	1	0.1	NA	NA	0
ALMS1	7840	Subcapsula	C0235259	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Acquired Abnormality	17	1	0.1	NA	NA	0
ALMS1	7840	Round face	C0239479	phenotype	NA	Finding	88	3	0.1	NA	NA	0
ALMS1	7840	Small testi	C0241355	phenotype	NA	Finding	129	0	0.1	NA	NA	0
ALMS1	7840	Abnormali	C0262444	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Finding	140	16	0.1	NA	NA	0
ALMS1	7840	Renal glom	C0268731	group	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Disease or Syndrome	221	7	0.1	NA	NA	0
ALMS1	7840	Chronic ot	C0271441	disease	Otorhinolaryngologic Diseases	Disease or Syndrome	163	6	0.1	NA	NA	0
ALMS1	7840	Somatotro	C0271561	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	154	14	0.1	NA	NA	0
ALMS1	7840	Glucose m	C0337438	phenotype	NA	Laboratory Procedure	89	111	0.1	NA	1	1
ALMS1	7840	Multinodu	C0342208	disease	Neoplasms; Endocrine System Diseases	Disease or Syndrome	51	6	0.1	NA	NA	0

ALMS1	7840	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
ALMS1	7840	High densi	C0392885	phenotype	NA	Laboratory Procedure	545	1440	0.1	NA	1	1
ALMS1	7840	Sunken eye	C0423224	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	171	54	0.1	NA	NA	0
ALMS1	7840	Serum HDL	C0428472	phenotype	NA	Laboratory Procedure	283	679	0.1	NA	1	1
ALMS1	7840	Serum LDL	C0428474	phenotype	NA	Laboratory Procedure	269	555	0.1	NA	1	1
ALMS1	7840	elevated b	C0495706	phenotype	NA	Finding	89	111	0.1	NA	1	1
ALMS1	7840	Chronic ac	C0520463	disease	Digestive System Diseases	Disease or Syndrome	122	34	0.1	NA	NA	0
ALMS1	7840	Serum albu	C0523465	phenotype	NA	Laboratory Procedure	433	3282	0.1	NA	1	1
ALMS1	7840	Advanced	C0545053	phenotype	NA	Finding	64	4	0.1	NA	NA	0
ALMS1	7840	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
ALMS1	7840	mathemat	C0596887	phenotype	NA	Mental Process	854	2127	0.1	NA	1	1
ALMS1	7840	Obsessive	C0600104	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	94	16	0.1	NA	NA	0
ALMS1	7840	Recurrent	C0694550	disease	Infections; Respiratory Tract Diseases	Finding	62	11	0.1	NA	NA	0
ALMS1	7840	Hyperurice	C0740394	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	196	76	0.1	NA	NA	0
ALMS1	7840	Insulin-resi	C0854110	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	21	2	0.1	NA	NA	0
ALMS1	7840	Retinal Dys	C0854723	group	Eye Diseases	Disease or Syndrome	219	227	0.1	NA	NA	0
ALMS1	7840	Primary hy	C0948896	disease	Endocrine System Diseases	Disease or Syndrome	80	6	0.1	NA	NA	0
ALMS1	7840	Age at mer	C1314691	phenotype	Behavior and Behavior Mechanisms	Finding	267	591	0.1	NA	1	1
ALMS1	7840	hearing im	C1384666	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	740	337	0.1	NA	NA	0
ALMS1	7840	Serum tota	C1445957	phenotype	NA	Laboratory Procedure	486	1243	0.1	NA	1	1
ALMS1	7840	Renal Insuf	C1565489	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	615	42	0.1	NA	NA	0
ALMS1	7840	Cirrhosis	C1623038	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	919	110	0.1	NA	NA	0
ALMS1	7840	Progressive	C1839364	phenotype	NA	Finding	77	11	0.1	NA	NA	0
ALMS1	7840	Progressive	C1843156	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	78	28	0.1	NA	1	1
ALMS1	7840	Elevated h	C1848701	phenotype	NA	Finding	212	9	0.1	NA	NA	0
ALMS1	7840	Generalize	C1849211	phenotype	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Finding	113	3	0.1	NA	NA	0
ALMS1	7840	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
ALMS1	7840	Chronic kid	C2316810	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	666	194	0.1	NA	NA	0
ALMS1	7840	Steatohepa	C2711227	disease	Digestive System Diseases	Disease or Syndrome	1143	75	0.1	NA	1	1
ALMS1	7840	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
ALMS1	7840	Chronic Liv	C2936476	disease	Digestive System Diseases	Disease or Syndrome	25	1	0.1	NA	NA	0
ALMS1	7840	Pulmonary	C2973725	disease	Respiratory Tract Diseases; Cardiovascular Diseases	Disease or Syndrome	413	70	0.1	NA	NA	0
ALMS1	7840	Mild short	C3150077	phenotype	NA	Finding	25	8	0.1	NA	1	1
ALMS1	7840	Idiopathic	C3203102	disease	Respiratory Tract Diseases	Disease or Syndrome	776	24	0.1	NA	NA	0
ALMS1	7840	Aplasia/Hy	C3279222	phenotype	NA	Finding	116	5	0.1	NA	NA	0
ALMS1	7840	Unspecifie	C3665346	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases	Sign or Symptom	235	11	0.1	NA	NA	0
ALMS1	7840	Visual Impa	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
ALMS1	7840	Abnormal	C3665386	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	115	6	0.1	NA	NA	0
ALMS1	7840	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
ALMS1	7840	Isolated so	C3714796	disease	NA	Disease or Syndrome	168	27	0.1	NA	NA	0
ALMS1	7840	Recurrent	C3806482	phenotype	Infections; Respiratory Tract Diseases	Finding	318	7	0.1	NA	NA	0
ALMS1	7840	Abnormal	C4021524	disease	NA	Anatomical Abnormality	6	0	0.1	NA	NA	0
ALMS1	7840	Abnormali	C4021822	disease	NA	Anatomical Abnormality	15	0	0.1	NA	NA	0
ALMS1	7840	Death in ea	C4022012	phenotype	NA	Finding	46	2	0.1	NA	NA	0
ALMS1	7840	Abnormali	C4025826	disease	NA	Anatomical Abnormality	4	0	0.1	NA	NA	0
ALMS1	7840	Abnormal	C4025844	disease	NA	Anatomical Abnormality	36	1	0.1	NA	NA	0
ALMS1	7840	obsolete R	C4072872	disease	NA	Disease or Syndrome	29	41	0.1	NA	1	1
ALMS1	7840	Glomerulo	C4521256	phenotype	NA	Diagnostic Procedure	84	0	0.1	NA	NA	0
ALMS1	7840	Truncal ob	C4551560	phenotype	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Finding	38	4	0.1	NA	NA	0
ALMS1	7840	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0

ALMS1	7840	Cone-Rod	C3489532	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	254	51	0.04	NA	1	4
ALMS1	7840	Pediatric C	C2362324	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	191	67	0.03	NA	1	3
ALMS1	7840	Ciliopathie	C4277690	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	241	7	0.03	NA	1	3
ALMS1	7840	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.02	NA	1	2
ALMS1	7840	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.02	NA	1	2
ALMS1	7840	Rod-Cone	C4551714	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	194	33	0.02	NA	1	2
ALMS1	7840	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
ALMS1	7840	Diabetes M	C0011854	disease	Nutritional and Metabolic Diseases; Immune System Diseases; Endocrine	Disease or Syndrome	1675	954	0.01	NA	1	1
ALMS1	7840	Hodgkin Di	C0019829	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	900	148	0.01	NA	1	1
ALMS1	7840	Hypercholé	C0020443	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	489	123	0.01	NA	1	1
ALMS1	7840	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.01	NA	0	1
ALMS1	7840	Myocardia	C0027051	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	1800	680	0.01	NA	1	1
ALMS1	7840	Retinal Dis	C0035309	group	Eye Diseases	Disease or Syndrome	714	56	0.01	NA	1	1
ALMS1	7840	Acute myo	C0155626	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	766	118	0.01	NA	1	1
ALMS1	7840	Adult Hodg	C0220597	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	399	27	0.01	NA	1	1
ALMS1	7840	Childhood	C0220644	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	399	29	0.01	NA	1	1
ALMS1	7840	Thiamine-r	C0271972	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	4	0	0.01	NA	1	1
ALMS1	7840	Progressive	C0339530	disease	NA	Disease or Syndrome	6	0	0.01	NA	1	1
ALMS1	7840	Progressive	C0677932	phenotype	NA	Neoplastic Process	384	40	0.01	NA	1	1
ALMS1	7840	Muscular D	C0686353	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	118	37	0.01	NA	1	1
ALMS1	7840	Cardiomyo	C0878544	group	Cardiovascular Diseases	Disease or Syndrome	925	294	0.01	NA	1	1
ALMS1	7840	Trichohepa	C1857276	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	424	28	0.01	NA	0	1
ALMS1	7840	Usher syno	C2931208	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	4	0	0.01	NA	1	1
ALMS1	7840	Progressive	C3539781	disease	NA	Disease or Syndrome	384	40	0.01	NA	1	1
MAST2	23139	Mucinous	C1334807	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	10	0	0.3	NA	NA	0
MAST2	23139	Ovarian M	C1335167	disease	Neoplasms	Neoplastic Process	45	24	0.3	NA	NA	0
MAST2	23139	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.11	NA	1	2
MAST2	23139	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
MAST2	23139	Red Blood	C0014772	phenotype	NA	Laboratory Procedure	717	1599	0.1	NA	1	2
MAST2	23139	White Bloo	C0023508	phenotype	NA	Laboratory Procedure	681	1322	0.1	NA	1	1
MAST2	23139	Neutrophil	C0200633	phenotype	NA	Laboratory Procedure	145	234	0.1	NA	1	1
MAST2	23139	Blood baso	C0200641	phenotype	NA	Laboratory Procedure	272	452	0.1	NA	1	1
MAST2	23139	Reticulocyt	C0206161	phenotype	NA	Laboratory Procedure	234	474	0.1	NA	1	1
MAST2	23139	Granulocyt	C0857490	phenotype	NA	Laboratory Procedure	100	150	0.1	NA	1	1
MAST2	23139	Body mass	C1305855	phenotype	NA	Clinical Attribute	1014	2689	0.1	NA	1	2
MAST2	23139	Encephalo	C0014070	disease	Infections; Nervous System Diseases	Disease or Syndrome	865	7	0.01	NA	1	1
MAST2	23139	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
MAST2	23139	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
MAST2	23139	Stage 0 Bre	C0154084	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	33	8	0.01	NA	1	1
MAST2	23139	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
MAST2	23139	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
MAST2	23139	Neurodege	C0524851	group	Nervous System Diseases	Disease or Syndrome	1515	85	0.01	NA	1	1
MAST2	23139	Invasive Ca	C1334274	phenotype	Neoplasms	Neoplastic Process	173	1	0.01	NA	1	1
MAST2	23139	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
MAST2	23139	Azoosperm	C1847540	disease	Male Urogenital Diseases	Disease or Syndrome	91	22	0.01	NA	1	1
MAST2	23139	Stage 0 Bre	C4520821	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	41	8	0.01	NA	1	1
HSD3B7	80270	Bile acid sy	C1843116	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	1	5	0.7	NA	1	3
HSD3B7	80270	Cholestasis	C0008370	disease	Digestive System Diseases	Disease or Syndrome	420	15	0.3	NA	1	1
HSD3B7	80270	Cholestasis	C2931067	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	2	13	0.3	NA	NA	0
HSD3B7	80270	Blood Coag	C0005779	group	Hemic and Lymphatic Diseases	Disease or Syndrome	267	31	0.1	NA	NA	0

HSD3B7	80270	Intrahepat	C0008372	disease	Digestive System Diseases	Disease or Syndrome	54	3	0.1	NA	NA	0
HSD3B7	80270	Diarrhea	C0011991	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	632	63	0.1	NA	NA	0
HSD3B7	80270	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0
HSD3B7	80270	Gastrointe	C0017181	phenotype	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Pathologic Function	122	24	0.1	NA	NA	0
HSD3B7	80270	Hepatome	C0019209	phenotype	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Finding	523	30	0.1	NA	NA	0
HSD3B7	80270	Hyperbiliru	C0020433	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	131	27	0.1	NA	NA	0
HSD3B7	80270	Icterus	C0022346	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	241	17	0.1	NA	NA	0
HSD3B7	80270	Malabsorp	C0024523	group	Digestive System Diseases; Nutritional and Metabolic Diseases	Disease or Syndrome	239	0	0.1	NA	NA	0
HSD3B7	80270	Neonatal h	C0027613	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	21	2	0.1	NA	NA	0
HSD3B7	80270	Nyctalopia	C0028077	disease	Eye Diseases	Disease or Syndrome	168	18	0.1	NA	NA	0
HSD3B7	80270	Osteoporo	C0029456	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	1098	182	0.1	NA	NA	0
HSD3B7	80270	Pruritus	C0033774	phenotype	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Finding	107	2	0.1	NA	NA	0
HSD3B7	80270	Rickets	C0035579	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	72	16	0.1	NA	NA	0
HSD3B7	80270	Splenomeg	C0038002	phenotype	Pathological Conditions, Signs and Symptoms	Finding	345	19	0.1	NA	NA	0
HSD3B7	80270	Steatorrhe	C0038238	phenotype	Digestive System Diseases; Nutritional and Metabolic Diseases	Finding	37	0	0.1	NA	NA	0
HSD3B7	80270	Liver Failur	C0085605	disease	Digestive System Diseases	Disease or Syndrome	293	20	0.1	NA	NA	0
HSD3B7	80270	Hypochole	C0151718	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	113	22	0.1	NA	NA	0
HSD3B7	80270	Pale feces	C0232720	phenotype	Digestive System Diseases	Finding	5	0	0.1	NA	NA	0
HSD3B7	80270	Biliary trac	C0549613	phenotype	Digestive System Diseases	Finding	14	0	0.1	NA	NA	0
HSD3B7	80270	Cirrhosis	C1623038	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	919	110	0.1	NA	NA	0
HSD3B7	80270	Abnormali	C1846821	phenotype	NA	Finding	59	15	0.1	NA	NA	0
HSD3B7	80270	Elevated h	C1848701	phenotype	NA	Finding	212	9	0.1	NA	NA	0
HSD3B7	80270	Neonatal c	C1855106	phenotype	NA	Finding	27	0	0.1	NA	NA	0
HSD3B7	80270	Neonatal c	C1859162	phenotype	NA	Finding	3	0	0.1	NA	NA	0
HSD3B7	80270	Malabsorp	C1963165	phenotype	NA	Finding	175	0	0.1	NA	NA	0
HSD3B7	80270	Acholic sto	C2675627	phenotype	Digestive System Diseases	Finding	6	1	0.1	NA	NA	0
HSD3B7	80270	Malabsorp	C3714745	phenotype	Digestive System Diseases	Finding	175	3	0.1	NA	NA	0
HSD3B7	80270	Corpuscula	C4528257	phenotype	NA	Laboratory or Test Result	401	4389	0.1	NA	1	1
HSD3B7	80270	Peripheral	C4721453	group	Nervous System Diseases	Disease or Syndrome	549	69	0.1	NA	NA	0
HSD3B7	80270	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.03	NA	0.667	3
HSD3B7	80270	Progressive	C0268312	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	31	10	0.02	NA	1	2
HSD3B7	80270	Cholestatic	C0860204	disease	Digestive System Diseases	Disease or Syndrome	58	0	0.02	NA	1	2
HSD3B7	80270	Liver disea	C0023895	group	Digestive System Diseases	Disease or Syndrome	1019	100	0.01	NA	1	1
HSD3B7	80270	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
HSD3B7	80270	Cholestasis	C1112213	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	19	0	0.01	NA	1	1
HSD3B7	80270	Deficiency	C1291601	disease	NA	Disease or Syndrome	4	0	0.01	NA	1	1
HSD3B7	80270	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
HSD3B7	80270	Cholestasis	C4551898	disease	Digestive System Diseases	Disease or Syndrome	38	19	0.01	NA	1	1
PDIA2	64714	Mental De	C0011570	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1478	271	0.03	NA	1	3
PDIA2	64714	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.03	NA	1	3
PDIA2	64714	Pain	C0030193	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1554	196	0.03	NA	0.667	3
PDIA2	64714	Depressed	C0344315	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1461	269	0.03	NA	1	3
PDIA2	64714	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.02	NA	1	2
PDIA2	64714	Amyotroph	C0002736	disease	Nutritional and Metabolic Diseases; Nervous System Diseases	Disease or Syndrome	1114	485	0.02	NA	1	2
PDIA2	64714	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.02	NA	1	2
PDIA2	64714	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.02	NA	1	2
PDIA2	64714	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.02	NA	1	2
PDIA2	64714	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.02	NA	1	2
PDIA2	64714	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.02	NA	1	2
PDIA2	64714	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.02	NA	1	2

PDIA2	64714	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.02	NA	1	2
PDIA2	64714	Liver carcir	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.02	NA	1	2
PDIA2	64714	Anoxia	C0003130	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	287	0	0.01	NA	1	1
PDIA2	64714	Anxiety	C0003467	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1048	287	0.01	NA	1	1
PDIA2	64714	Anxiety Dis	C0003469	group	Mental Disorders	Mental or Behavioral Dysfunc	840	163	0.01	NA	1	1
PDIA2	64714	Bacterial In	C0004623	group	Infections	Disease or Syndrome	616	17	0.01	NA	1	1
PDIA2	64714	Behcet Syr	C0004943	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	502	243	0.01	NA	1	1
PDIA2	64714	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
PDIA2	64714	Coronary H	C0010068	disease	Cardiovascular Diseases	Disease or Syndrome	1576	1178	0.01	NA	1	1
PDIA2	64714	Delusions	C0011253	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	62	15	0.01	NA	1	1
PDIA2	64714	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.01	NA	1	1
PDIA2	64714	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.01	NA	1	1
PDIA2	64714	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.01	NA	1	1
PDIA2	64714	Fatigue	C0015672	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	760	67	0.01	NA	1	1
PDIA2	64714	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.01	NA	1	1
PDIA2	64714	Hypoglyce	C0020615	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	420	42	0.01	NA	1	1
PDIA2	64714	insulinoma	C0021670	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	258	8	0.01	NA	1	1
PDIA2	64714	Leishmania	C0023290	disease	Infections	Disease or Syndrome	197	22	0.01	NA	1	1
PDIA2	64714	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases; C	Neoplastic Process	1740	865	0.01	NA	1	1
PDIA2	64714	Myopia	C0027092	disease	Eye Diseases	Disease or Syndrome	490	167	0.01	NA	1	1
PDIA2	64714	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
PDIA2	64714	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
PDIA2	64714	Osteogene	C0029434	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome; Conger	90	91	0.01	NA	1	1
PDIA2	64714	Osteoporo	C0029456	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	1098	182	0.01	NA	1	1
PDIA2	64714	Parasitic D	C0030499	group	Infections	Disease or Syndrome	164	2	0.01	NA	1	1
PDIA2	64714	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
PDIA2	64714	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.01	NA	1	1
PDIA2	64714	Hermanski	C0079504	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	70	59	0.01	NA	1	1
PDIA2	64714	Bicuspid ac	C0149630	disease	Cardiovascular Diseases	Congenital Abnormality	154	23	0.01	NA	1	1
PDIA2	64714	Chronic pa	C0150055	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	207	19	0.01	NA	0	1
PDIA2	64714	Anhedonia	C0178417	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	93	7	0.01	NA	1	1
PDIA2	64714	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.01	NA	1	1
PDIA2	64714	Harlequin I	C0239849	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	73	1	0.01	NA	1	1
PDIA2	64714	opioid use	C0240602	disease	NA	Mental or Behavioral Dysfunc	39	5	0.01	NA	0	1
PDIA2	64714	Respirator	C0375023	disease	NA	Disease or Syndrome	467	14	0.01	NA	1	1
PDIA2	64714	Neurodege	C0524851	group	Nervous System Diseases	Disease or Syndrome	1515	85	0.01	NA	1	1
PDIA2	64714	Refractory	C0677936	phenotype	Neoplasms	Neoplastic Process	184	9	0.01	NA	1	1
PDIA2	64714	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
PDIA2	64714	Solvent ser	C0853806	disease	NA	Disease or Syndrome	3	0	0.01	NA	1	1
PDIA2	64714	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
PDIA2	64714	Brain atrop	C4551584	disease	Nervous System Diseases	Disease or Syndrome	182	46	0.01	NA	1	1
TRAM1	23471	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	0.969	32
TRAM1	23471	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.1	NA	1	15
TRAM1	23471	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.1	NA	0.982	57
TRAM1	23471	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.1	NA	0.982	55
TRAM1	23471	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.08	NA	1	8
TRAM1	23471	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.07	NA	0.857	7
TRAM1	23471	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.05	NA	1	5
TRAM1	23471	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.05	NA	1	5
TRAM1	23471	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.04	NA	0.75	4

TRAM1	23471	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.04	NA	1	4
TRAM1	23471	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.04	NA	1	4
TRAM1	23471	Progressio	C1739135	disease	NA	Neoplastic Process	398	7	0.04	NA	1	4
TRAM1	23471	Adenocarc	C0007112	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	342	108	0.03	NA	1	3
TRAM1	23471	Pain	C0030193	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	1554	196	0.03	NA	1	3
TRAM1	23471	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.02	NA	1	2
TRAM1	23471	Acute onse	C0184567	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	53	6	0.02	NA	1	2
TRAM1	23471	Prostatic In	C0282612	disease	Neoplasms	Neoplastic Process	230	0	0.02	NA	1	2
TRAM1	23471	Anastomos	C0332853	disease	NA	Acquired Abnormality	155	2	0.02	NA	1	2
TRAM1	23471	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.02	NA	1	2
TRAM1	23471	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.01	NA	1	1
TRAM1	23471	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.01	NA	1	1
TRAM1	23471	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.01	NA	1	1
TRAM1	23471	Brain Neop	C0006118	group	Neoplasms; Nervous System Diseases	Neoplastic Process	1018	204	0.01	NA	1	1
TRAM1	23471	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
TRAM1	23471	Malignant	C0007103	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1235	197	0.01	NA	1	1
TRAM1	23471	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.01	NA	1	1
TRAM1	23471	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
TRAM1	23471	Phyllodes T	C0010701	disease	Neoplasms	Neoplastic Process	100	1	0.01	NA	1	1
TRAM1	23471	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.01	NA	1	1
TRAM1	23471	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.01	NA	1	1
TRAM1	23471	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.01	NA	1	1
TRAM1	23471	Diabetic Ke	C0011880	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	63	3	0.01	NA	1	1
TRAM1	23471	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
TRAM1	23471	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.01	NA	1	1
TRAM1	23471	Gynecoma	C0018418	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	121	8	0.01	NA	1	1
TRAM1	23471	Hernia	C0019270	phenotype	Pathological Conditions, Signs and Symptoms	Anatomical Abnormality	136	10	0.01	NA	1	1
TRAM1	23471	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.01	NA	1	1
TRAM1	23471	Hypothyro	C0020676	disease	Endocrine System Diseases	Disease or Syndrome	613	283	0.01	NA	1	1
TRAM1	23471	Influenza	C0021400	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	858	17	0.01	NA	1	1
TRAM1	23471	Kidney Fail	C0022660	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	826	32	0.01	NA	1	1
TRAM1	23471	Neuralgia	C0027796	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	767	16	0.01	NA	1	1
TRAM1	23471	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
TRAM1	23471	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
TRAM1	23471	Pulmonary	C0034069	disease	Respiratory Tract Diseases	Disease or Syndrome	924	25	0.01	NA	1	1
TRAM1	23471	Respirator	C0035235	group	Infections	Disease or Syndrome	244	5	0.01	NA	1	1
TRAM1	23471	Corneal Ne	C0085109	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases	Disease or Syndrome	117	0	0.01	NA	1	1
TRAM1	23471	Synovial Cy	C0085648	disease	Neoplasms	Disease or Syndrome	87	0	0.01	NA	1	1
TRAM1	23471	Renal fibro	C0151650	disease	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Disease or Syndrome	570	1	0.01	NA	1	1
TRAM1	23471	Carcinoma	C0206695	disease	Neoplasms	Neoplastic Process	182	7	0.01	NA	1	1
TRAM1	23471	Neuroendo	C0206754	group	Neoplasms	Neoplastic Process	491	20	0.01	NA	0	1
TRAM1	23471	Memory in	C0233794	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	763	48	0.01	NA	1	1
TRAM1	23471	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
TRAM1	23471	Vesicular S	C0266999	disease	Infections; Stomatognathic Diseases; Animal Diseases	Disease or Syndrome	112	0	0.01	NA	1	1
TRAM1	23471	Familial lic	C0268398	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	230	24	0.01	NA	1	1
TRAM1	23471	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
TRAM1	23471	Convention	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2346	222	0.01	NA	1	1
TRAM1	23471	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
TRAM1	23471	Endometri	C0476089	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1597	326	0.01	NA	1	1
TRAM1	23471	Recurrent	C0521158	phenotype	NA	Neoplastic Process	735	33	0.01	NA	1	1

TRAM1	23471	Corneal fib	C0521720	disease	Eye Diseases	Disease or Syndrome	17	0	0.01	NA	1	1
TRAM1	23471	Leukemog	C0598766	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	996	25	0.01	NA	1	1
TRAM1	23471	Tumor Init	C0598935	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	533	8	0.01	NA	1	1
TRAM1	23471	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
TRAM1	23471	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
TRAM1	23471	Middle Cer	C0740391	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Acquired Abnormality	626	0	0.01	NA	1	1
TRAM1	23471	Myxoid cys	C1258666	disease	Neoplasms; Skin and Connective Tissue Diseases	Disease or Syndrome	106	0	0.01	NA	1	1
TRAM1	23471	Hormone r	C1328504	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	683	29	0.01	NA	1	1
TRAM1	23471	Cardiac fib	C1397307	disease	NA	Disease or Syndrome	297	3	0.01	NA	1	1
TRAM1	23471	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.01	NA	1	1
TRAM1	23471	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
TRAM1	23471	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
TRAM1	23471	Refractory	C2826323	disease	NA	Neoplastic Process	264	3	0.01	NA	1	1
TRAM1	23471	Pulmonary	C2973725	disease	Respiratory Tract Diseases; Cardiovascular Diseases	Disease or Syndrome	413	70	0.01	NA	1	1
TRAM1	23471	Idiopathic	C3203102	disease	Respiratory Tract Diseases	Disease or Syndrome	776	24	0.01	NA	1	1
BIRC2	329	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.33	NA	1	4
BIRC2	329	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.33	NA	1	4
BIRC2	329	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.31	NA	1	2
BIRC2	329	Stomach N	C0038356	group	Digestive System Diseases; Neoplasms	Neoplastic Process	820	55	0.31	NA	1	2
BIRC2	329	HIV Infecti	C0019693	group	Infections; Immune System Diseases	Disease or Syndrome	807	142	0.3	NA	1	1
BIRC2	329	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.3	NA	1	1
BIRC2	329	Mammary	C1257931	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	527	0	0.3	NA	1	1
BIRC2	329	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.3	NA	1	1
BIRC2	329	Hereditary	C1708349	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	312	119	0.3	NA	1	1
BIRC2	329	HIV Coinfe	C4505456	disease	Infections; Immune System Diseases	Disease or Syndrome	129	3	0.3	NA	1	1
BIRC2	329	Mammary	C4704874	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	545	0	0.3	NA	1	1
BIRC2	329	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.12	NA	1	3
BIRC2	329	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	1	12
BIRC2	329	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	0.929	14
BIRC2	329	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.08	NA	1	8
BIRC2	329	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.08	NA	1	8
BIRC2	329	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.06	NA	1	6
BIRC2	329	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.05	NA	0.8	5
BIRC2	329	B-Cell Lym	C0079731	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1408	42	0.05	NA	1	5
BIRC2	329	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.03	NA	1	3
BIRC2	329	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.03	NA	1	3
BIRC2	329	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.03	NA	1	3
BIRC2	329	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.03	NA	1	3
BIRC2	329	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.03	NA	0.667	3
BIRC2	329	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.02	NA	1	2
BIRC2	329	Ulcerative	C0009324	disease	Digestive System Diseases	Disease or Syndrome	1458	827	0.02	NA	1	2
BIRC2	329	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.02	NA	1	2
BIRC2	329	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.02	NA	1	2
BIRC2	329	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases;	Neoplastic Process	1740	865	0.02	NA	1	2
BIRC2	329	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.02	NA	1	2
BIRC2	329	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.02	NA	1	2
BIRC2	329	Rhabdomy	C0035412	disease	Neoplasms	Neoplastic Process	565	20	0.02	NA	1	2
BIRC2	329	Childhood	C0220611	disease	Neoplasms	Neoplastic Process	517	12	0.02	NA	1	2
BIRC2	329	Gallbladde	C0235782	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	498	75	0.02	NA	1	2
BIRC2	329	Adult Rhab	C0279550	disease	Neoplasms	Neoplastic Process	509	12	0.02	NA	1	2

BIRC2	329	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.02	NA	1	2
BIRC2	329	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.02	NA	1	2
BIRC2	329	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.02	NA	1	2
BIRC2	329	Malignant	C0812413	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	421	15	0.02	NA	0.5	2
BIRC2	329	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.02	NA	1	2
BIRC2	329	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.02	NA	1	2
BIRC2	329	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.02	NA	1	2
BIRC2	329	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.02	NA	1	2
BIRC2	329	Leukemia,	C2004493	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	239	2	0.02	NA	1	2
BIRC2	329	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.02	NA	1	2
BIRC2	329	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.02	NA	1	2
BIRC2	329	Anemia, Si	C0002895	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	434	138	0.01	NA	1	1
BIRC2	329	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.01	NA	1	1
BIRC2	329	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	1	1
BIRC2	329	Ataxia Tela	C0004135	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	384	698	0.01	NA	1	1
BIRC2	329	Autoimmu	C0004364	group	Immune System Diseases	Disease or Syndrome	1758	428	0.01	NA	1	1
BIRC2	329	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
BIRC2	329	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.01	NA	1	1
BIRC2	329	Intracrania	C0007766	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	311	150	0.01	NA	1	1
BIRC2	329	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
BIRC2	329	Choriocarc	C0008497	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	431	2	0.01	NA	1	1
BIRC2	329	Dermatitis	C0011603	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	496	16	0.01	NA	1	1
BIRC2	329	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.01	NA	1	1
BIRC2	329	Muscular D	C0013264	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	375	170	0.01	NA	1	1
BIRC2	329	Endometri	C0014170	group	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	261	32	0.01	NA	1	1
BIRC2	329	Endometri	C0014175	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	1188	274	0.01	NA	1	1
BIRC2	329	Congestive	C0018802	disease	Cardiovascular Diseases	Disease or Syndrome	1760	165	0.01	NA	1	1
BIRC2	329	Inflammat	C0021390	group	Digestive System Diseases	Disease or Syndrome	1577	605	0.01	NA	1	1
BIRC2	329	Irritable Bo	C0022104	disease	Digestive System Diseases	Disease or Syndrome	429	52	0.01	NA	1	1
BIRC2	329	Acute lymp	C0023449	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1293	222	0.01	NA	1	1
BIRC2	329	Childhood	C0023452	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1096	261	0.01	NA	1	1
BIRC2	329	Leukemia,	C0023492	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	457	10	0.01	NA	1	1
BIRC2	329	Lymphoma	C0024299	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1548	91	0.01	NA	1	1
BIRC2	329	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.01	NA	1	1
BIRC2	329	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
BIRC2	329	Mixed Saliv	C0026277	disease	Neoplasms	Neoplastic Process	185	3	0.01	NA	1	1
BIRC2	329	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
BIRC2	329	Myopathy	C0026848	group	Musculoskeletal Diseases; Nervous System Diseases	Disease or Syndrome	634	166	0.01	NA	0	1
BIRC2	329	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
BIRC2	329	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
BIRC2	329	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.01	NA	1	1
BIRC2	329	Psoriasis	C0033860	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	1308	705	0.01	NA	1	1
BIRC2	329	Subarachn	C0038525	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	501	26	0.01	NA	1	1
BIRC2	329	Malignant	C0153452	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	425	81	0.01	NA	1	1
BIRC2	329	Secondary	C0153690	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Musculoskelet	Neoplastic Process	647	18	0.01	NA	1	1
BIRC2	329	Agenesis o	C0175754	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	615	45	0.01	NA	1	1
BIRC2	329	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
BIRC2	329	Ki-1+ Anap	C0206180	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	300	10	0.01	NA	1	1
BIRC2	329	Rhabdoid T	C0206743	disease	Neoplasms	Neoplastic Process	103	0	0.01	NA	1	1
BIRC2	329	Gastrointe	C0220620	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	323	13	0.01	NA	1	1

BIRC2	329	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
BIRC2	329	Hereditary	C0238339	disease	Digestive System Diseases	Disease or Syndrome	158	108	0.01	NA	1	1
BIRC2	329	Mucosa-As	C0242647	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	264	13	0.01	NA	1	1
BIRC2	329	Systemic In	C0242966	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	185	9	0.01	NA	1	1
BIRC2	329	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.01	NA	1	1
BIRC2	329	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.01	NA	1	1
BIRC2	329	Malignant	C0278996	disease	Neoplasms	Neoplastic Process	767	118	0.01	NA	1	1
BIRC2	329	Cervical Sq	C0279671	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	371	44	0.01	NA	1	1
BIRC2	329	Solid Neop	C0280100	phenotype	Neoplasms	Neoplastic Process	1145	24	0.01	NA	1	1
BIRC2	329	Aplasia Cu	C0282160	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	393	14	0.01	NA	1	1
BIRC2	329	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.01	NA	1	1
BIRC2	329	Hyperplast	C0333983	disease	Pathological Conditions, Signs and Symptoms	Neoplastic Process	204	22	0.01	NA	1	1
BIRC2	329	Malignant	C0346109	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	65	2	0.01	NA	1	1
BIRC2	329	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
BIRC2	329	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
BIRC2	329	Muscle dai	C0410158	phenotype	NA	Acquired Abnormality	163	4	0.01	NA	1	1
BIRC2	329	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1
BIRC2	329	Adult Acut	C0751606	disease	NA	Neoplastic Process	860	154	0.01	NA	1	1
BIRC2	329	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
BIRC2	329	Adult Anap	C1332182	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	128	2	0.01	NA	1	1
BIRC2	329	Childhood	C1332942	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	130	2	0.01	NA	1	1
BIRC2	329	Epitheliom	C1368683	disease	Neoplasms	Neoplastic Process	326	2	0.01	NA	1	1
BIRC2	329	Fleck corne	C1562113	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	104	12	0.01	NA	1	1
BIRC2	329	Nephrogen	C1563705	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	24	43	0.01	NA	1	1
BIRC2	329	androgen i	C1654637	disease	NA	Neoplastic Process	190	5	0.01	NA	1	1
BIRC2	329	Progressio	C1739135	disease	NA	Neoplastic Process	398	7	0.01	NA	1	1
BIRC2	329	ANOPHTHA	C1832661	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	1410	80	0.01	NA	1	1
BIRC2	329	Familial pr	C1850900	disease	Digestive System Diseases; Neoplasms; Immune System Diseases; Hemi	Neoplastic Process	121	2	0.01	NA	1	1
BIRC2	329	Precursor (	C1961102	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	879	168	0.01	NA	1	1
BIRC2	329	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.01	NA	1	1
BIRC2	329	Nonalcoho	C3241937	disease	Digestive System Diseases	Disease or Syndrome	434	17	0.01	NA	1	1
BIRC2	329	MYELODYS	C3463824	group	Hemic and Lymphatic Diseases	Neoplastic Process	1033	95	0.01	NA	1	1
BIRC2	329	Inflammat	C3875321	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	382	6	0.01	NA	1	1
BIRC2	329	Head and N	C3887461	disease	Neoplasms	Neoplastic Process	786	118	0.01	NA	1	1
BIRC2	329	Stage 0 Ga	C4525297	disease	NA	Neoplastic Process	367	56	0.01	NA	1	1
BIRC2	329	Stage IIA G	C4525300	disease	NA	Neoplastic Process	367	56	0.01	NA	1	1
BIRC2	329	Stage IIB G	C4525301	disease	NA	Neoplastic Process	367	56	0.01	NA	1	1
BIRC2	329	Stage III Ga	C4525302	disease	NA	Neoplastic Process	367	56	0.01	NA	1	1
BIRC2	329	Stage IV Ga	C4525305	disease	NA	Neoplastic Process	367	56	0.01	NA	1	1
BIRC2	329	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
ALG10	84920	Long Qt Sy	C3150943	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	13	267	0.4	NA	NA	0
ALG10	84920	Nonsyndro	C3711374	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	163	66	0.2	NA	NA	0
ALG10	84920	Acquired lo	C2732979	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	14	8	0.02	NA	1	2
ALG10	84920	Cardiac Arr	C0003811	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	559	111	0.01	NA	1	1
ALG10	84920	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.01	NA	1	1
ALG10	84920	Long QT Sy	C0023976	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	105	349	0.01	NA	1	1
ALG10	84920	Ventricular	C0042510	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	96	19	0.01	NA	1	1
CFP	5199	PROPERDI	C1839454	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Immune	Disease or Syndrome	11	5	0.7	limited	1	7
CFP	5199	Properdin	C0398762	disease	NA	Disease or Syndrome	4	0	0.51	strong	1	3
CFP	5199	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.31	NA	1	1

CFP	5199	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.31	NA	1	2
CFP	5199	Liver Cirrho	C0023893	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Experimental Model of Diseas	870	0	0.3	NA	1	1
CFP	5199	Meningocc	C0025294	disease	Infections; Nervous System Diseases	Disease or Syndrome	17	3	0.3	NA	1	2
CFP	5199	Compleme	C0272242	group	Immune System Diseases; Hemic and Lymphatic Diseases	Disease or Syndrome	42	0	0.3	strong	1	1
CFP	5199	Meningitis	C1135745	disease	Infections; Nervous System Diseases	Disease or Syndrome	3	0	0.3	NA	1	2
CFP	5199	Meningitis	C1135746	disease	Infections; Nervous System Diseases	Disease or Syndrome	3	0	0.3	NA	1	2
CFP	5199	Meningitis	C1135747	disease	Infections; Nervous System Diseases	Disease or Syndrome	3	0	0.3	NA	1	2
CFP	5199	Meningitis	C1136209	disease	Infections; Nervous System Diseases	Disease or Syndrome	3	0	0.3	NA	1	2
CFP	5199	Meningitis	C1136210	disease	Infections; Nervous System Diseases	Disease or Syndrome	3	0	0.3	NA	1	2
CFP	5199	Tuberculos	C0041296	disease	Infections	Disease or Syndrome	1256	328	0.1	NA	1	39
CFP	5199	Properdin	C1839455	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Immune	Disease or Syndrome	1	1	0.1	NA	NA	0
CFP	5199	Properdin	C1839456	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Immune	Disease or Syndrome	1	1	0.1	NA	NA	0
CFP	5199	Dysfunctio	C1839458	phenotype	NA	Finding	1	0	0.1	NA	NA	0
CFP	5199	X- linked re	C1845977	phenotype	NA	Finding	172	1	0.1	NA	NA	0
CFP	5199	Abnormali	C4021768	phenotype	NA	Finding	171	5	0.1	NA	NA	0
CFP	5199	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.09	NA	1	9
CFP	5199	Tuberculos	C0041327	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	358	171	0.09	NA	1	9
CFP	5199	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.06	NA	1	6
CFP	5199	Major Dep	C1269683	disease	Mental Disorders	Mental or Behavioral Dysfunc	1236	1451	0.06	NA	1	6
CFP	5199	Cognition I	C0009241	group	Mental Disorders	Mental or Behavioral Dysfunc	607	47	0.05	NA	1	5
CFP	5199	Latent Tub	C1609538	disease	Infections	Disease or Syndrome	183	18	0.05	NA	1	5
CFP	5199	Anxiety	C0003467	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1048	287	0.04	NA	1	4
CFP	5199	Anxiety Dis	C0003469	group	Mental Disorders	Mental or Behavioral Dysfunc	840	163	0.04	NA	1	4
CFP	5199	Mental De	C0011570	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1478	271	0.04	NA	0.75	4
CFP	5199	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.04	NA	0.75	4
CFP	5199	Depressed	C0344315	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1461	269	0.04	NA	0.75	4
CFP	5199	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.03	NA	1	3
CFP	5199	Pleural Tub	C0041326	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	59	0	0.03	NA	1	3
CFP	5199	Active tube	C0151332	disease	Infections	Disease or Syndrome	116	25	0.03	NA	1	3
CFP	5199	Alcoholic I	C0001973	disease	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	577	441	0.02	NA	1	2
CFP	5199	Mental dis	C0004936	group	Mental Disorders	Mental or Behavioral Dysfunc	789	149	0.02	NA	1	2
CFP	5199	Leprosy	C0023343	disease	Infections	Disease or Syndrome	190	120	0.02	NA	1	2
CFP	5199	Meningocc	C0025303	group	Infections	Disease or Syndrome	69	32	0.02	NA	1	2
CFP	5199	Malnutritio	C0162429	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	417	29	0.02	NA	1	2
CFP	5199	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.02	NA	1	2
CFP	5199	Age related	C0242383	disease	Eye Diseases	Disease or Syndrome	685	663	0.02	NA	0.5	2
CFP	5199	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.02	NA	1	2
CFP	5199	Tuberculos	C0679362	disease	Infections	Disease or Syndrome	58	21	0.02	NA	1	2
CFP	5199	Attention d	C1263846	disease	Mental Disorders	Mental or Behavioral Dysfunc	842	420	0.02	NA	1	2
CFP	5199	Liver reger	C1318485	phenotype	Digestive System Diseases	Disease or Syndrome	346	0	0.02	NA	1	2
CFP	5199	C3 glomeru	C4087273	disease	NA	Disease or Syndrome	16	1	0.02	NA	1	2
CFP	5199	Bipolar Dis	C0005586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1183	839	0.01	NA	1	1
CFP	5199	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
CFP	5199	Developme	C0008073	group	Mental Disorders	Mental or Behavioral Dysfunc	355	19	0.01	NA	1	1
CFP	5199	Dermatitis	C0011603	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	496	16	0.01	NA	1	1
CFP	5199	Diabetes M	C0011854	disease	Nutritional and Metabolic Diseases; Immune System Diseases; Endocrine	Disease or Syndrome	1675	954	0.01	NA	1	1
CFP	5199	Drug abuse	C0013146	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	405	39	0.01	NA	1	1
CFP	5199	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.01	NA	1	1
CFP	5199	Exanthema	C0015230	phenotype	Skin and Connective Tissue Diseases	Sign or Symptom	251	14	0.01	NA	1	1
CFP	5199	Fatigue	C0015672	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	760	67	0.01	NA	1	1

CFP	5199	Polyostotic	C0016065	disease	Musculoskeletal Diseases	Congenital Abnormality	18	2	0.01	NA	1	1
CFP	5199	Fragile X Sy	C0016667	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	194	11	0.01	NA	1	1
CFP	5199	Hunger	C0020175	phenotype	Behavior and Behavior Mechanisms	Sign or Symptom	70	12	0.01	NA	1	1
CFP	5199	Hypomenc	C0020624	phenotype	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	20	2	0.01	NA	1	1
CFP	5199	Impulsive b	C0021125	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	276	69	0.01	NA	1	1
CFP	5199	Inflammat	C0021390	group	Digestive System Diseases	Disease or Syndrome	1577	605	0.01	NA	1	1
CFP	5199	Irritable Bo	C0022104	disease	Digestive System Diseases	Disease or Syndrome	429	52	0.01	NA	1	1
CFP	5199	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.01	NA	1	1
CFP	5199	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.01	NA	1	1
CFP	5199	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
CFP	5199	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
CFP	5199	Pleural effu	C0032227	group	Respiratory Tract Diseases	Disease or Syndrome	227	14	0.01	NA	1	1
CFP	5199	Pneumonia	C0032285	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	1032	33	0.01	NA	1	1
CFP	5199	Respirator	C0035222	disease	Respiratory Tract Diseases	Disease or Syndrome	434	60	0.01	NA	1	1
CFP	5199	Retinitis Pi	C0035334	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Disea	Disease or Syndrome	546	541	0.01	NA	0	1
CFP	5199	Post-Traun	C0038436	disease	Mental Disorders	Mental or Behavioral Dysfunc	418	117	0.01	NA	1	1
CFP	5199	Substance	C0038586	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	218	16	0.01	NA	1	1
CFP	5199	Tinnitus	C0040264	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	103	14	0.01	NA	1	1
CFP	5199	Vascular D	C0042373	group	Cardiovascular Diseases	Disease or Syndrome	688	40	0.01	NA	1	1
CFP	5199	Violence	C0042693	phenotype	NA	Mental or Behavioral Dysfunc	70	6	0.01	NA	1	1
CFP	5199	Anhedonia	C0178417	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	93	7	0.01	NA	1	1
CFP	5199	Rapidly pro	C0221239	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	19	1	0.01	NA	1	1
CFP	5199	Dysphoric	C0233477	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	22	6	0.01	NA	1	1
CFP	5199	Hallucinati	C0233762	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Sign or Symptom	14	4	0.01	NA	1	1
CFP	5199	Memory in	C0233794	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	763	48	0.01	NA	1	1
CFP	5199	Alcohol wi	C0236663	disease	Chemically-Induced Disorders; Mental Disorders	Disease or Syndrome	67	6	0.01	NA	1	1
CFP	5199	Iron deficie	C0240066	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	179	13	0.01	NA	1	1
CFP	5199	opioid use	C0240602	disease	NA	Mental or Behavioral Dysfunc	39	5	0.01	NA	1	1
CFP	5199	McCune-A	C0242292	disease	Musculoskeletal Diseases	Disease or Syndrome	45	10	0.01	NA	1	1
CFP	5199	Fibrous Dy	C0259779	disease	NA	Congenital Abnormality	53	5	0.01	NA	1	1
CFP	5199	Lysinuric P	C0268647	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	21	47	0.01	NA	1	1
CFP	5199	Juvenile M	C0270853	disease	Nervous System Diseases	Disease or Syndrome	74	46	0.01	NA	1	1
CFP	5199	Mixed anxi	C0338908	disease	Mental Disorders	Mental or Behavioral Dysfunc	146	13	0.01	NA	1	1
CFP	5199	Behavioral	C0349251	disease	Mental Disorders	Mental or Behavioral Dysfunc	8	2	0.01	NA	1	1
CFP	5199	Anterior kn	C0409326	phenotype	NA	Sign or Symptom	1	0	0.01	NA	1	1
CFP	5199	Osteoarthr	C0409959	disease	Musculoskeletal Diseases	Disease or Syndrome	368	150	0.01	NA	1	1
CFP	5199	Progressive	C0432215	disease	Musculoskeletal Diseases	Congenital Abnormality	64	27	0.01	NA	1	1
CFP	5199	Forgetful	C0542476	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Sign or Symptom	429	18	0.01	NA	1	1
CFP	5199	Agnosia fo	C0563625	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	204	25	0.01	NA	1	1
CFP	5199	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
CFP	5199	clinical anx	C0596344	disease	Mental Disorders	Mental or Behavioral Dysfunc	1	0	0.01	NA	1	1
CFP	5199	Obsessive	C0600104	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	94	16	0.01	NA	1	1
CFP	5199	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
CFP	5199	early pregn	C0747845	phenotype	NA	Disease or Syndrome	273	8	0.01	NA	1	1
CFP	5199	Spots on sk	C0848332	phenotype	Skin and Connective Tissue Diseases	Sign or Symptom	43	0	0.01	NA	1	1
CFP	5199	Anxiety syn	C0860603	phenotype	NA	Sign or Symptom	110	10	0.01	NA	1	1
CFP	5199	Papillary R	C1306837	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	223	3	0.01	NA	1	1
CFP	5199	Thymic Dys	C1331541	disease	NA	Disease or Syndrome	2	0	0.01	NA	1	1
CFP	5199	Autism Spe	C1510586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1071	331	0.01	NA	1	1
CFP	5199	NONAKA M	C1853926	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	132	81	0.01	NA	1	1

CFP	5199	Steatohep	C2711227	disease	Digestive System Diseases	Disease or Syndrome	1143	75	0.01	NA	1	1
CFP	5199	Idiopathic	C2919706	disease	NA	Disease or Syndrome	2	0	0.01	NA	1	1
CFP	5199	Pneumonit	C3714636	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	697	13	0.01	NA	1	1
CFP	5199	Human im	C3854222	disease	NA	Disease or Syndrome	985	56	0.01	NA	1	1
CFP	5199	Immunosu	C4048329	disease	NA	Disease or Syndrome	632	9	0.01	NA	1	1
ZNF367	195828	Prostatic C	C3658266	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	12	0	0.3	NA	1	1
ZNF367	195828	Prostatic N	C3658267	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	9	0	0.3	NA	1	1
ZNF367	195828	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	2
ZNF367	195828	Height	C0489786	phenotype	NA	Organism Attribute	249	517	0.1	NA	1	1
ZNF367	195828	Malignant	C0007115	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	949	103	0.01	NA	1	1
ZNF367	195828	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
ZNF367	195828	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
ZNF367	195828	Benign Ne	C0086692	group	Neoplasms	Neoplastic Process	371	7	0.01	NA	1	1
ZNF367	195828	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
ZNF367	195828	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
ZNF367	195828	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
FAM43A	131583	Liver Cirrh	C0023893	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Experimental Model of Diseas	870	0	0.3	NA	1	1
FAM43A	131583	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.01	NA	1	1
DOCK11	139818	Inflammat	C0021390	group	Digestive System Diseases	Disease or Syndrome	1577	605	0.03	NA	1	3
DOCK11	139818	Achondrog	C0001079	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	4	0	0.02	NA	1	2
DOCK11	139818	alpha-Thal	C0002312	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	86	37	0.02	NA	1	2
DOCK11	139818	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.02	NA	1	2
DOCK11	139818	Ulcerative	C0009324	disease	Digestive System Diseases	Disease or Syndrome	1458	827	0.02	NA	1	2
DOCK11	139818	Crohn Dise	C0010346	disease	Digestive System Diseases	Disease or Syndrome	1382	1147	0.02	NA	1	2
DOCK11	139818	Medullary	C0238462	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	330	71	0.02	NA	1	2
DOCK11	139818	Hereditary	C0392514	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	254	56	0.02	NA	1	2
DOCK11	139818	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.02	NA	1	2
DOCK11	139818	Infection c	C0850666	disease	Infections	Disease or Syndrome	337	56	0.02	NA	1	2
DOCK11	139818	alpha^+^ T	C1456873	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	92	16	0.02	NA	1	2
DOCK11	139818	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.01	NA	1	1
DOCK11	139818	Demyelina	C0011303	group	Nervous System Diseases	Disease or Syndrome	156	5	0.01	NA	1	1
DOCK11	139818	Diabetes M	C0011854	disease	Nutritional and Metabolic Diseases; Immune System Diseases; Endocrine	Disease or Syndrome	1675	954	0.01	NA	1	1
DOCK11	139818	Encephalit	C0014060	disease	Infections; Nervous System Diseases	Disease or Syndrome	272	34	0.01	NA	1	1
DOCK11	139818	Endometri	C0014175	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	1188	274	0.01	NA	1	1
DOCK11	139818	Fibromyalg	C0016053	disease	Musculoskeletal Diseases; Nervous System Diseases	Disease or Syndrome	143	38	0.01	NA	1	1
DOCK11	139818	Graves Dis	C0018213	disease	Eye Diseases; Immune System Diseases; Endocrine System Diseases	Disease or Syndrome	585	352	0.01	NA	1	1
DOCK11	139818	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.01	NA	1	1
DOCK11	139818	Hypotensio	C0020651	phenotype	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	82	21	0.01	NA	1	1
DOCK11	139818	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.01	NA	1	1
DOCK11	139818	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.01	NA	1	1
DOCK11	139818	Alcoholic L	C0023896	group	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	195	20	0.01	NA	1	1
DOCK11	139818	Lupus Vulg	C0024131	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	526	44	0.01	NA	1	1
DOCK11	139818	Lupus Eryt	C0024138	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	552	46	0.01	NA	1	1
DOCK11	139818	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.01	NA	1	1
DOCK11	139818	Multiple Er	C0025269	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	13	21	0.01	NA	1	1
DOCK11	139818	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	0	1
DOCK11	139818	Osteopenia	C0029453	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	845	61	0.01	NA	1	1
DOCK11	139818	Pancreatic	C0030283	disease	Digestive System Diseases; Neoplasms	Disease or Syndrome	60	4	0.01	NA	1	1
DOCK11	139818	Li-Fraumer	C0085390	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Disease or Syndrome	76	206	0.01	NA	1	1
DOCK11	139818	Esophagea	C0152018	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1287	272	0.01	NA	1	1

DOCK11	139818	Carcinoma	C0206696	disease	Neoplasms	Neoplastic Process	70	6	0.01	NA	1	1
DOCK11	139818	Wasting	C0235394	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	15	0	0.01	NA	1	1
DOCK11	139818	Helicobact	C0374997	disease	NA	Disease or Syndrome	593	24	0.01	NA	1	1
DOCK11	139818	Lupus Eryt	C0409974	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	558	44	0.01	NA	1	1
DOCK11	139818	Chronic ac	C0520463	disease	Digestive System Diseases	Disease or Syndrome	122	34	0.01	NA	1	1
DOCK11	139818	Recurrent	C0521158	phenotype	NA	Neoplastic Process	735	33	0.01	NA	1	1
DOCK11	139818	pseudoher	C0555232	disease	NA	Disease or Syndrome	9	2	0.01	NA	1	1
DOCK11	139818	Hashimoto	C0677607	disease	Endocrine System Diseases	Disease or Syndrome	335	131	0.01	NA	1	1
DOCK11	139818	Malignant	C0685938	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	423	55	0.01	NA	1	1
DOCK11	139818	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.01	NA	1	1
DOCK11	139818	Acute GVH	C0856825	disease	Immune System Diseases	Disease or Syndrome	294	49	0.01	NA	1	1
DOCK11	139818	West Nile	C1096184	disease	Infections; Nervous System Diseases	Disease or Syndrome	164	2	0.01	NA	1	1
DOCK11	139818	TNF recept	C1275126	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	90	33	0.01	NA	1	1
DOCK11	139818	Deficiency	C1291314	disease	NA	Disease or Syndrome	17	15	0.01	NA	1	1
DOCK11	139818	Penile hyp	C1691215	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	127	83	0.01	NA	1	1
DOCK11	139818	Familial m	C1833921	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	56	45	0.01	NA	1	1
DOCK11	139818	THYROID C	C1833929	disease	NA	Neoplastic Process	22	11	0.01	NA	1	1
DOCK11	139818	FRAGILE X	C1839780	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	62	0	0.01	NA	1	1
DOCK11	139818	Atelosteog	C1850554	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	5	34	0.01	NA	1	1
DOCK11	139818	Peroxisom	C1864172	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	10	1	0.01	NA	1	1
DOCK11	139818	Irritable bo	C1868889	phenotype	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	8	0	0.01	NA	1	1
DOCK11	139818	Coronary A	C1956346	disease	Cardiovascular Diseases	Disease or Syndrome	1708	1577	0.01	NA	1	1
DOCK11	139818	Allergic rhi	C2607914	disease	Respiratory Tract Diseases; Immune System Diseases; Otorhinolaryngolog	Disease or Syndrome	446	176	0.01	NA	1	1
DOCK11	139818	2,8-Dihydr	C3665382	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	6	0	0.01	NA	1	1
DOCK11	139818	Tumor Neo	C3889136	disease	NA	Disease or Syndrome	25	8	0.01	NA	1	1
CTSD	1509	NEURONA	C1864669	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	1	6	0.93	NA	1	11
CTSD	1509	Neuronal C	C1864670	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	1	0	0.5	NA	1	5
CTSD	1509	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.34	NA	1	5
CTSD	1509	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.32	NA	1	3
CTSD	1509	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.31	NA	1	2
CTSD	1509	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.31	NA	1	2
CTSD	1509	Amyotroph	C1862941	disease	Nutritional and Metabolic Diseases; Nervous System Diseases	Disease or Syndrome	173	90	0.31	NA	1	2
CTSD	1509	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.3	NA	1	1
CTSD	1509	Disorder o	C0015397	group	Eye Diseases	Disease or Syndrome	400	14	0.3	NA	NA	0
CTSD	1509	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.3	NA	1	1
CTSD	1509	Neoplasm	C0027626	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Pathologic Function	193	0	0.3	NA	1	1
CTSD	1509	Neuronal C	C0027877	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	51	74	0.3	NA	1	21
CTSD	1509	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.3	NA	1	1
CTSD	1509	Weight Ga	C0043094	phenotype	Pathological Conditions, Signs and Symptoms	Finding	124	12	0.3	NA	1	1
CTSD	1509	Osteoarthr	C0086743	disease	Musculoskeletal Diseases	Disease or Syndrome	96	1	0.3	NA	1	1
CTSD	1509	Convention	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2346	222	0.3	NA	1	1
CTSD	1509	Chromoph	C1266042	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	185	2	0.3	NA	1	1
CTSD	1509	Sarcomato	C1266043	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	134	0	0.3	NA	1	1
CTSD	1509	Collecting	C1266044	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	162	0	0.3	NA	1	1
CTSD	1509	Papillary R	C1306837	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	223	3	0.3	NA	1	1
CTSD	1509	AMYOTRO	C1862939	disease	Nutritional and Metabolic Diseases; Nervous System Diseases	Disease or Syndrome	164	139	0.3	NA	1	1
CTSD	1509	Amyotroph	C4551993	disease	Nutritional and Metabolic Diseases; Nervous System Diseases	Disease or Syndrome	130	68	0.3	NA	1	1
CTSD	1509	Juvenile Ne	C0751383	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	52	73	0.21	NA	1	6
CTSD	1509	Late-Infant	C0022340	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	19	4	0.2	NA	1	5
CTSD	1509	Adult Neur	C0022797	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	16	9	0.2	NA	1	5

CTSD	1509	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.1	NA	0.887	53
CTSD	1509	Apnea	C0003578	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	262	11	0.1	NA	NA	0
CTSD	1509	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
CTSD	1509	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.1	NA	0.979	47
CTSD	1509	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	1	17
CTSD	1509	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
CTSD	1509	Muscle Rig	C0026837	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	320	25	0.1	NA	NA	0
CTSD	1509	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	580	48	0.1	NA	NA	0
CTSD	1509	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.1	NA	1	21
CTSD	1509	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	0.941	34
CTSD	1509	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.1	NA	0.917	12
CTSD	1509	Respirator	C0035229	phenotype	Respiratory Tract Diseases	Pathologic Function	315	15	0.1	NA	NA	0
CTSD	1509	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	429	74	0.1	NA	NA	0
CTSD	1509	Status Epil	C0038220	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	533	12	0.1	NA	NA	0
CTSD	1509	Hyperexple	C0234166	phenotype	Nervous System Diseases	Sign or Symptom	13	36	0.1	NA	NA	0
CTSD	1509	Mental det	C0234985	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	508	121	0.1	NA	NA	0
CTSD	1509	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
CTSD	1509	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
CTSD	1509	Early fonta	C0277827	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	2	0	0.1	NA	NA	0
CTSD	1509	Atrophic re	C0521694	disease	Eye Diseases	Disease or Syndrome	24	2	0.1	NA	NA	0
CTSD	1509	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.1	NA	0.978	45
CTSD	1509	Cerebellar	C0740279	disease	NA	Disease or Syndrome	321	67	0.1	NA	NA	0
CTSD	1509	Respirator	C1145670	disease	Respiratory Tract Diseases	Disease or Syndrome	319	23	0.1	NA	NA	0
CTSD	1509	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.1	NA	0.933	15
CTSD	1509	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	1	15
CTSD	1509	Intellectua	C1846149	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Finding	45	1	0.1	NA	NA	0
CTSD	1509	Nasal bridg	C1849367	phenotype	NA	Finding	429	29	0.1	NA	NA	0
CTSD	1509	Neuronal l	C1850496	phenotype	NA	Finding	37	0	0.1	NA	NA	0
CTSD	1509	Sloping for	C1857679	phenotype	NA	Finding	149	5	0.1	NA	NA	0
CTSD	1509	Blood Prot	C2985280	phenotype	NA	Laboratory Procedure	1156	2575	0.1	NA	1	1
CTSD	1509	Unspecifie	C3665346	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases	Sign or Symptom	235	11	0.1	NA	NA	0
CTSD	1509	Visual Imp	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
CTSD	1509	Abnormal	C3665386	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	115	6	0.1	NA	NA	0
CTSD	1509	Abnormali	C4021768	phenotype	NA	Finding	171	5	0.1	NA	NA	0
CTSD	1509	Increased	C4025728	phenotype	NA	Finding	8	0	0.1	NA	NA	0
CTSD	1509	Rod-Cone	C4551714	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	194	33	0.1	NA	NA	0
CTSD	1509	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
CTSD	1509	Neurodege	C0524851	group	Nervous System Diseases	Disease or Syndrome	1515	85	0.08	NA	1	8
CTSD	1509	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.06	NA	1	6
CTSD	1509	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.06	NA	1	6
CTSD	1509	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.05	NA	0.8	5
CTSD	1509	Amyloidos	C0002726	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	694	93	0.05	NA	0.8	5
CTSD	1509	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.05	NA	1	5
CTSD	1509	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.05	NA	1	5
CTSD	1509	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.04	NA	1	4
CTSD	1509	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.04	NA	1	4
CTSD	1509	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.04	NA	1	4
CTSD	1509	Familial Al	C0276496	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	260	95	0.04	NA	1	4
CTSD	1509	Frontotem	C0338451	disease	Nutritional and Metabolic Diseases; Nervous System Diseases; Mental Dis	Disease or Syndrome	320	215	0.04	NA	1	4
CTSD	1509	Alzheimer	C0494463	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	385	243	0.04	NA	1	4

CTSD	1509	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.04	NA	1	4
CTSD	1509	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.04	NA	1	4
CTSD	1509	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.04	NA	1	4
CTSD	1509	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.03	NA	1	3
CTSD	1509	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.03	NA	1	3
CTSD	1509	Malignant	C0007103	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1235	197	0.03	NA	0.667	3
CTSD	1509	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.03	NA	1	3
CTSD	1509	Creutzfeldt	C0022336	disease	Infections; Nervous System Diseases; Mental Disorders	Disease or Syndrome	137	52	0.03	NA	0.667	3
CTSD	1509	Myocardia	C0027051	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	1800	680	0.03	NA	1	3
CTSD	1509	Endometri	C0476089	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1597	326	0.03	NA	0.667	3
CTSD	1509	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.03	NA	1	3
CTSD	1509	Lewy Body	C0752347	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	255	41	0.03	NA	0.667	3
CTSD	1509	HER2 gene	C1512127	disease	NA	Disease or Syndrome	170	14	0.03	NA	0.667	3
CTSD	1509	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.03	NA	1	3
CTSD	1509	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.03	NA	1	3
CTSD	1509	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.03	NA	1	3
CTSD	1509	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.02	NA	1	2
CTSD	1509	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.02	NA	1	2
CTSD	1509	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.02	NA	1	2
CTSD	1509	Cholesteat	C0008373	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	135	1	0.02	NA	1	2
CTSD	1509	Adenoid Cy	C0010606	disease	Neoplasms	Neoplastic Process	325	30	0.02	NA	1	2
CTSD	1509	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.02	NA	1	2
CTSD	1509	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.02	NA	1	2
CTSD	1509	Diabetic Re	C0011884	disease	Eye Diseases; Endocrine System Diseases; Cardiovascular Diseases	Disease or Syndrome	645	213	0.02	NA	1	2
CTSD	1509	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.02	NA	1	2
CTSD	1509	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.02	NA	1	2
CTSD	1509	Heart failu	C0018801	disease	Cardiovascular Diseases	Disease or Syndrome	1499	201	0.02	NA	0.5	2
CTSD	1509	Congestive	C0018802	disease	Cardiovascular Diseases	Disease or Syndrome	1760	165	0.02	NA	0.5	2
CTSD	1509	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.02	NA	1	2
CTSD	1509	Secondary	C0153676	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1370	20	0.02	NA	1	2
CTSD	1509	Dysplastic	C0205748	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	104	7	0.02	NA	1	2
CTSD	1509	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.02	NA	1	2
CTSD	1509	Glaucoma,	C0339573	disease	Eye Diseases	Disease or Syndrome	383	222	0.02	NA	1	2
CTSD	1509	Epithelial c	C0677886	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	1224	129	0.02	NA	1	2
CTSD	1509	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.02	NA	1	2
CTSD	1509	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.02	NA	1	2
CTSD	1509	Lafora Dise	C0751783	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	92	32	0.02	NA	1	2
CTSD	1509	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.02	NA	1	2
CTSD	1509	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.02	NA	1	2
CTSD	1509	Cerebral A	C1510489	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	19	4	0.02	NA	1	2
CTSD	1509	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.02	NA	1	2
CTSD	1509	Creutzfeldt	C1852467	disease	Infections; Nervous System Diseases; Mental Disorders	Disease or Syndrome	57	23	0.02	NA	1	2
CTSD	1509	Steatohepa	C2711227	disease	Digestive System Diseases	Disease or Syndrome	1143	75	0.02	NA	1	2
CTSD	1509	Other Creu	C2900450	disease	Infections; Nervous System Diseases; Mental Disorders	Disease or Syndrome	37	18	0.02	NA	0.5	2
CTSD	1509	Oestrogen	C2938924	disease	NA	Neoplastic Process	510	58	0.02	NA	1	2
CTSD	1509	Node-nega	C3160889	disease	NA	Neoplastic Process	54	2	0.02	NA	1	2
CTSD	1509	Acute peri	C0001342	disease	Stomatognathic Diseases	Disease or Syndrome	130	49	0.01	NA	1	1
CTSD	1509	Amyotroph	C0002736	disease	Nutritional and Metabolic Diseases; Nervous System Diseases	Disease or Syndrome	1114	485	0.01	NA	0	1
CTSD	1509	anaphylaxi	C0002792	phenotype	Immune System Diseases	Disease or Syndrome	180	4	0.01	NA	1	1
CTSD	1509	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	0	1

CTSD	1509	Astrocytor	C0004114	disease	Neoplasms	Neoplastic Process	985	59	0.01	NA	1	1
CTSD	1509	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.01	NA	1	1
CTSD	1509	Barrett Eso	C0004763	disease	Digestive System Diseases; Neoplasms	Disease or Syndrome	478	60	0.01	NA	1	1
CTSD	1509	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2113	316	0.01	NA	1	1
CTSD	1509	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.01	NA	1	1
CTSD	1509	Adenocarc	C0007112	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	342	108	0.01	NA	1	1
CTSD	1509	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.01	NA	1	1
CTSD	1509	Cerebellar	C0007760	group	Nervous System Diseases	Disease or Syndrome	66	4	0.01	NA	1	1
CTSD	1509	Cholera	C0008354	disease	Infections	Disease or Syndrome	209	1	0.01	NA	1	1
CTSD	1509	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.01	NA	1	1
CTSD	1509	Coronary h	C0010068	disease	Cardiovascular Diseases	Disease or Syndrome	1576	1178	0.01	NA	1	1
CTSD	1509	Presenile d	C0011265	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	718	159	0.01	NA	1	1
CTSD	1509	Diabetic Ne	C0011881	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1189	238	0.01	NA	1	1
CTSD	1509	Epilepsy, T	C0014556	disease	Nervous System Diseases	Disease or Syndrome	354	33	0.01	NA	1	1
CTSD	1509	Fatty Liver	C0015695	disease	Digestive System Diseases	Disease or Syndrome	875	35	0.01	NA	1	1
CTSD	1509	Fetal Grow	C0015934	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1037	21	0.01	NA	1	1
CTSD	1509	Gaucher D	C0017205	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	143	82	0.01	NA	1	1
CTSD	1509	Angle Clos	C0017605	disease	Eye Diseases	Disease or Syndrome	94	56	0.01	NA	1	1
CTSD	1509	Primary an	C0017606	disease	Eye Diseases	Disease or Syndrome	87	55	0.01	NA	1	1
CTSD	1509	Type II Mu	C0020725	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	43	1	0.01	NA	1	1
CTSD	1509	Keloid	C0022548	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Acquired Abnormality	165	15	0.01	NA	1	1
CTSD	1509	Kidney Fail	C0022660	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	826	32	0.01	NA	1	1
CTSD	1509	Lung disea	C0024115	group	Respiratory Tract Diseases	Disease or Syndrome	700	50	0.01	NA	1	1
CTSD	1509	Chronic Ob	C0024117	disease	Respiratory Tract Diseases	Disease or Syndrome	1428	852	0.01	NA	1	1
CTSD	1509	Lymphope	C0024312	disease	Immune System Diseases; Hemic and Lymphatic Diseases	Disease or Syndrome	239	16	0.01	NA	1	1
CTSD	1509	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
CTSD	1509	Maple Syru	C0024776	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	24	134	0.01	NA	1	1
CTSD	1509	Melanocyt	C0027962	disease	Neoplasms	Neoplastic Process	297	33	0.01	NA	1	1
CTSD	1509	Nodule	C0028259	phenotype	NA	Acquired Abnormality	278	19	0.01	NA	1	1
CTSD	1509	Oculocere	C0028860	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	54	42	0.01	NA	1	1
CTSD	1509	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1
CTSD	1509	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.01	NA	1	1
CTSD	1509	Pancreatiti	C0030305	disease	Digestive System Diseases	Disease or Syndrome	502	80	0.01	NA	1	1
CTSD	1509	Periodonta	C0031090	group	Stomatognathic Diseases	Disease or Syndrome	326	22	0.01	NA	1	1
CTSD	1509	Aggressive	C0031106	disease	Stomatognathic Diseases	Disease or Syndrome	184	59	0.01	NA	1	1
CTSD	1509	Retinal Dis	C0035309	group	Eye Diseases	Disease or Syndrome	714	56	0.01	NA	1	1
CTSD	1509	Schistosom	C0036323	disease	Infections	Disease or Syndrome	152	4	0.01	NA	1	1
CTSD	1509	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.01	NA	1	1
CTSD	1509	Urticaria	C0042109	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	168	11	0.01	NA	1	1
CTSD	1509	Intestinal V	C0042961	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	42	2	0.01	NA	1	1
CTSD	1509	Lysosomal	C0085078	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	130	8	0.01	NA	1	1
CTSD	1509	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.01	NA	1	1
CTSD	1509	Myocardia	C0151744	disease	Cardiovascular Diseases	Disease or Syndrome	756	103	0.01	NA	1	1
CTSD	1509	Secondary	C0153690	disease	Pathological Conditions, Signs and Symptoms; Neoplasms; Musculoskelet	Neoplastic Process	647	18	0.01	NA	1	1
CTSD	1509	Prion Disea	C0162534	group	Infections; Nervous System Diseases	Disease or Syndrome	175	67	0.01	NA	1	1
CTSD	1509	Smith-Lem	C0175694	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	30	96	0.01	NA	1	1
CTSD	1509	Alkalemia	C0221106	disease	NA	Disease or Syndrome	38	0	0.01	NA	1	1
CTSD	1509	Welts	C0221232	phenotype	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Sign or Symptom	53	0	0.01	NA	1	1
CTSD	1509	Sore to tou	C0234233	phenotype	Pathological Conditions, Signs and Symptoms; Mental Disorders	Sign or Symptom	56	8	0.01	NA	1	1
CTSD	1509	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1

CTSD	1509	Caffeine re	C0236734	group	NA	Mental or Behavioral Dysfunc	360	56	0.01	NA	1	1
CTSD	1509	Harlequin	C0239849	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Disease or Syndrome	73	1	0.01	NA	1	1
CTSD	1509	Dyslipidem	C0242339	group	Nutritional and Metabolic Diseases	Disease or Syndrome	471	184	0.01	NA	1	1
CTSD	1509	Atresia	C0243066	disease	NA	Congenital Abnormality	44	1	0.01	NA	1	1
CTSD	1509	Carotid art	C0265101	phenotype	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	74	1	0.01	NA	1	1
CTSD	1509	Chronic Pe	C0266929	disease	Stomatognathic Diseases	Disease or Syndrome	287	99	0.01	NA	1	1
CTSD	1509	Familial Ce	C0268393	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	18	0	0.01	NA	1	1
CTSD	1509	Postpartur	C0269972	disease	Cardiovascular Diseases	Disease or Syndrome	5	0	0.01	NA	1	1
CTSD	1509	Impaired g	C0271650	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	596	81	0.01	NA	1	1
CTSD	1509	Ovarian ca	C0278687	disease	NA	Neoplastic Process	9	0	0.01	NA	1	1
CTSD	1509	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
CTSD	1509	Adenocarc	C0279628	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	468	81	0.01	NA	1	1
CTSD	1509	Cervical Sq	C0279671	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	371	44	0.01	NA	1	1
CTSD	1509	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
CTSD	1509	Adult Anap	C0280483	disease	Neoplasms	Neoplastic Process	90	8	0.01	NA	1	1
CTSD	1509	Senile Plaq	C0333463	disease	Pathological Conditions, Signs and Symptoms	Acquired Abnormality	249	21	0.01	NA	1	1
CTSD	1509	Anaplastic	C0334579	disease	Neoplasms	Neoplastic Process	202	12	0.01	NA	1	1
CTSD	1509	Adult Fanc	C0341703	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	32	0	0.01	NA	1	1
CTSD	1509	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
CTSD	1509	New Variai	C0376329	disease	Infections; Nervous System Diseases; Mental Disorders	Disease or Syndrome	23	2	0.01	NA	1	1
CTSD	1509	AICARDI-G	C0393591	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Immune	Disease or Syndrome	117	12	0.01	NA	1	1
CTSD	1509	Non-alcoh	C0400966	disease	Digestive System Diseases	Disease or Syndrome	1058	222	0.01	NA	1	1
CTSD	1509	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.01	NA	1	1
CTSD	1509	Secondary	C0494165	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	951	34	0.01	NA	1	1
CTSD	1509	Dementia	C0497327	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	816	176	0.01	NA	1	1
CTSD	1509	Complete	C0678213	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	61	3	0.01	NA	1	1
CTSD	1509	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
CTSD	1509	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2104	309	0.01	NA	1	1
CTSD	1509	Diabetic m	C0730285	disease	Eye Diseases; Endocrine System Diseases; Cardiovascular Diseases	Disease or Syndrome	92	6	0.01	NA	1	1
CTSD	1509	Frontotem	C0751072	disease	Nutritional and Metabolic Diseases; Nervous System Diseases; Mental Dis	Mental or Behavioral Dysfunc	195	54	0.01	NA	1	1
CTSD	1509	Spinocereb	C0752125	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	78	2	0.01	NA	1	1
CTSD	1509	Invasive ca	C0853879	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	473	21	0.01	NA	1	1
CTSD	1509	Retinal tox	C0877104	disease	NA	Anatomical Abnormality	12	0	0.01	NA	1	1
CTSD	1509	Cardiomyo	C0878544	group	Cardiovascular Diseases	Disease or Syndrome	925	294	0.01	NA	1	1
CTSD	1509	Dent's dise	C0878681	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	23	12	0.01	NA	1	1
CTSD	1509	Psoriatic p	C0920235	disease	NA	Disease or Syndrome	12	0	0.01	NA	1	1
CTSD	1509	Acute Corc	C0948089	disease	Cardiovascular Diseases	Disease or Syndrome	440	139	0.01	NA	1	1
CTSD	1509	Tauopathie	C0949664	group	Nervous System Diseases	Disease or Syndrome	245	43	0.01	NA	1	1
CTSD	1509	Invasive Du	C1134719	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	414	16	0.01	NA	1	1
CTSD	1509	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
CTSD	1509	Endometri	C1153706	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	212	5	0.01	NA	1	1
CTSD	1509	Barrett Epi	C1258085	disease	Digestive System Diseases; Neoplasms	Disease or Syndrome	52	0	0.01	NA	1	1
CTSD	1509	Primary Ef	C1292753	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	169	0	0.01	NA	1	1
CTSD	1509	Precursor	C1292769	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	478	23	0.01	NA	1	1
CTSD	1509	Tumor Pro	C1519689	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	170	2	0.01	NA	1	1
CTSD	1509	Sjogren's S	C1527336	disease	Eye Diseases; Skin and Connective Tissue Diseases; Musculoskeletal Disea	Disease or Syndrome	481	47	0.01	NA	1	1
CTSD	1509	Non-ST ele	C1561921	disease	NA	Disease or Syndrome	17	0	0.01	NA	1	1
CTSD	1509	Familial (FI	C1611743	disease	NA	Disease or Syndrome	1075	276	0.01	NA	1	1
CTSD	1509	CEROID LIP	C1876161	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	6	66	0.01	NA	1	1
CTSD	1509	Kounis Syn	C2609176	disease	Immune System Diseases; Cardiovascular Diseases	Disease or Syndrome	4	0	0.01	NA	1	1

CTSD	1509	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.01	NA	1	1
CTSD	1509	Plaque, An	C2936349	disease	Pathological Conditions, Signs and Symptoms	Acquired Abnormality	123	10	0.01	NA	1	1
CTSD	1509	Locally Rec	C2986682	disease	NA	Neoplastic Process	68	1	0.01	NA	1	1
CTSD	1509	Idiopathic	C3203102	disease	Respiratory Tract Diseases	Disease or Syndrome	776	24	0.01	NA	1	1
CTSD	1509	Nonalcoho	C3241937	disease	Digestive System Diseases	Disease or Syndrome	434	17	0.01	NA	1	1
CTSD	1509	MYOTONIC	C3250443	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	179	14	0.01	NA	1	1
CTSD	1509	Human imi	C3854222	disease	NA	Disease or Syndrome	985	56	0.01	NA	1	1
CTSD	1509	Childhood	C4086152	disease	Neoplasms	Neoplastic Process	615	39	0.01	NA	1	1
CTSD	1509	Non-ST Ele	C4255010	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	85	2	0.01	NA	1	1
CTSD	1509	FIGO Stage	C4284040	disease	NA	Neoplastic Process	3	0	0.01	NA	1	1
CTSD	1509	Sporadic C	C4310512	disease	Infections; Nervous System Diseases; Mental Disorders; Animal Diseases	Disease or Syndrome	30	17	0.01	NA	1	1
CTSD	1509	Cystinosis	C4316899	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	32	27	0.01	NA	1	1
CTSD	1509	Sporadic P	C4511452	disease	Nervous System Diseases	Disease or Syndrome	179	65	0.01	NA	1	1
CTSD	1509	Fatty Liver	C4529962	disease	NA	Disease or Syndrome	741	81	0.01	NA	1	1
CTSD	1509	Grade III C	C4551548	disease	Neoplasms	Neoplastic Process	90	8	0.01	NA	1	1
CTSD	1509	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.01	NA	1	1
CTSD	1509	estrogen re	C4733092	disease	NA	Neoplastic Process	356	40	0.01	NA	1	1
KATNB1	10300	LISSENCEP	C4015525	disease	NA	Congenital Abnormality	1	6	0.7	NA	1	3
KATNB1	10300	Microlisser	C1956147	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	40	1	0.4	NA	1	2
KATNB1	10300	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.31	moderate	1	1
KATNB1	10300	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.13	NA	1	3
KATNB1	10300	Polymicrog	C0266464	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	199	29	0.1	NA	NA	0
KATNB1	10300	Pachygyria	C0266483	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	129	8	0.1	NA	NA	0
KATNB1	10300	Neuronal h	C0266491	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	67	3	0.1	NA	NA	0
KATNB1	10300	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
KATNB1	10300	Hypoplasia	C0344482	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	385	49	0.1	NA	NA	0
KATNB1	10300	Partial age	C0431368	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	38	1	0.1	NA	NA	0
KATNB1	10300	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
KATNB1	10300	Cerebral ve	C1531647	phenotype	Nervous System Diseases	Finding	410	0	0.1	NA	NA	0
KATNB1	10300	Sloping for	C1857679	phenotype	NA	Finding	149	5	0.1	NA	NA	0
KATNB1	10300	Cortical gy	C2749675	phenotype	NA	Finding	39	2	0.1	NA	NA	0
KATNB1	10300	Dilated ver	C3278923	phenotype	NA	Finding	427	32	0.1	NA	NA	0
KATNB1	10300	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.04	NA	1	4
KATNB1	10300	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.03	NA	1	3
KATNB1	10300	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.03	NA	1	3
KATNB1	10300	Anaplastic	C0238461	disease	Neoplasms	Neoplastic Process	392	16	0.02	NA	1	2
KATNB1	10300	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.01	NA	1	1
KATNB1	10300	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.01	NA	1	1
KATNB1	10300	Carcinoma	C0007133	disease	Neoplasms	Neoplastic Process	225	9	0.01	NA	1	1
KATNB1	10300	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.01	NA	1	1
KATNB1	10300	Congenital	C0018798	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	406	58	0.01	NA	1	1
KATNB1	10300	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.01	NA	1	1
KATNB1	10300	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
KATNB1	10300	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
KATNB1	10300	Oligospern	C0028960	disease	Male Urogenital Diseases	Disease or Syndrome	217	72	0.01	NA	1	1
KATNB1	10300	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.01	NA	1	1
KATNB1	10300	Holoprose	C0079541	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	109	45	0.01	NA	1	1
KATNB1	10300	Thyroid Gla	C0151468	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	202	14	0.01	NA	1	1
KATNB1	10300	Follicular a	C0205647	disease	Neoplasms	Neoplastic Process	183	5	0.01	NA	1	1
KATNB1	10300	Impairmen	C0238707	disease	NA	Mental or Behavioral Dysfunc	5	0	0.01	NA	1	1

KATNB1	10300	Congenital	C0266449	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	103	7	0.01	NA	1	1
KATNB1	10300	Lissenceph	C0266463	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	71	9	0.01	NA	1	1
KATNB1	10300	Deformity	C0302142	group	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Anatomical Abnormality	350	26	0.01	NA	1	1
KATNB1	10300	PITUITARY	C0342573	disease	Musculoskeletal Diseases; Nervous System Diseases; Endocrine System Di	Congenital Abnormality	25	9	0.01	NA	1	1
KATNB1	10300	Equilibrati	C0575090	phenotype	Nervous System Diseases	Sign or Symptom	22	1	0.01	NA	1	1
KATNB1	10300	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
KATNB1	10300	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.01	NA	1	1
KATNB1	10300	Malformat	C1955869	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	60	5	0.01	NA	1	1
KATNB1	10300	Congenital	C2677180	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	51	29	0.01	NA	1	1
DDC	1644	Deficiency	C1291564	disease	NA	Disease or Syndrome	7	16	0.98	NA	1	18
DDC	1644	Aromatic a	C0342686	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	5	7	0.68	strong	1	11
DDC	1644	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.6	NA	1	28
DDC	1644	Liver Cirrh	C0023893	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Experimental Model of Diseas	870	0	0.5	NA	1	2
DDC	1644	Mood swin	C0085633	disease	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Mental or Behavioral Dysfunc	171	1	0.41	NA	1	1
DDC	1644	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.4	NA	1	1
DDC	1644	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.35	NA	0.333	5
DDC	1644	Bipolar Dis	C0005586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1183	839	0.34	NA	0.667	4
DDC	1644	MAJOR AF	C1839839	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Mental D	Mental or Behavioral Dysfunc	185	34	0.33	NA	1	3
DDC	1644	Mental dis	C0004936	group	Mental Disorders	Mental or Behavioral Dysfunc	789	149	0.31	NA	1	2
DDC	1644	Pheochron	C0031511	disease	Neoplasms	Neoplastic Process	344	186	0.31	NA	1	2
DDC	1644	Psychotic D	C0033975	group	Mental Disorders	Mental or Behavioral Dysfunc	560	179	0.31	NA	0	1
DDC	1644	Paranoid S	C0036349	disease	Mental Disorders	Mental or Behavioral Dysfunc	53	23	0.31	NA	0	1
DDC	1644	Parkinsoni	C0242422	group	Nervous System Diseases	Disease or Syndrome	373	95	0.31	NA	1	2
DDC	1644	Behavior D	C0004930	group	Mental Disorders	Mental or Behavioral Dysfunc	77	4	0.3	NA	1	1
DDC	1644	Dystonia	C0013421	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	453	97	0.3	NA	1	2
DDC	1644	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.3	NA	1	1
DDC	1644	Nerve Deg	C0027746	phenotype	Pathological Conditions, Signs and Symptoms	Cell or Molecular Dysfunction	165	17	0.3	NA	1	1
DDC	1644	Unipolar D	C0041696	disease	Mental Disorders	Mental or Behavioral Dysfunc	641	225	0.3	NA	1	1
DDC	1644	Oculogyric	C0085637	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Pathologic Function	9	3	0.3	NA	1	1
DDC	1644	Ramsay Hu	C0242423	disease	Nervous System Diseases	Disease or Syndrome	28	0	0.3	NA	1	1
DDC	1644	Diagnosis,	C0376338	disease	Mental Disorders	Mental or Behavioral Dysfunc	46	1	0.3	NA	1	1
DDC	1644	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.3	NA	1	1
DDC	1644	Autosomal	C0752097	disease	Nervous System Diseases	Disease or Syndrome	28	0	0.3	NA	1	1
DDC	1644	Autosomal	C0752098	disease	Nervous System Diseases	Disease or Syndrome	34	3	0.3	NA	1	1
DDC	1644	Autosomal	C0752100	disease	Nervous System Diseases	Disease or Syndrome	33	1	0.3	NA	1	1
DDC	1644	Parkinsoni	C0752101	disease	Nervous System Diseases	Experimental Model of Diseas	28	0	0.3	NA	1	1
DDC	1644	Familial Juv	C0752104	disease	Nervous System Diseases	Disease or Syndrome	28	0	0.3	NA	1	1
DDC	1644	Parkinsoni	C0752105	disease	Nervous System Diseases	Disease or Syndrome	40	2	0.3	NA	1	1
DDC	1644	Pheochron	C1257877	disease	Neoplasms	Neoplastic Process	38	5	0.3	NA	1	1
DDC	1644	Major Dep	C1269683	disease	Mental Disorders	Mental or Behavioral Dysfunc	1236	1451	0.3	NA	1	1
DDC	1644	PARKINSO	C1868675	disease	Nervous System Diseases	Disease or Syndrome	67	37	0.3	NA	1	1
DDC	1644	Mental Dis	C4046029	disease	Mental Disorders	Mental or Behavioral Dysfunc	26	1	0.3	NA	1	1
DDC	1644	Dyskinesia	C0013386	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	32	0	0.2	NA	1	1
DDC	1644	Portal Hyp	C0020541	disease	Digestive System Diseases	Disease or Syndrome	167	9	0.2	NA	1	1
DDC	1644	Kidney Fail	C0022661	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	827	425	0.2	NA	1	1
DDC	1644	Nephrotic	C0027726	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	384	45	0.2	NA	1	1
DDC	1644	Attention I	C0041671	disease	Mental Disorders	Mental or Behavioral Dysfunc	123	7	0.2	NA	1	1
DDC	1644	Chronic kid	C2316810	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	666	194	0.2	NA	1	1
DDC	1644	Constipatio	C0009806	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	424	57	0.11	NA	1	1
DDC	1644	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0

DDC	1644	Diarrhea	C0011991	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	632	63	0.1	NA	NA	0
DDC	1644	Dysarthria	C0013362	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	487	54	0.1	NA	NA	0
DDC	1644	Gastroesop	C0017168	disease	Digestive System Diseases	Disease or Syndrome	446	52	0.1	NA	NA	0
DDC	1644	Hyperhidro	C0020458	phenotype	Skin and Connective Tissue Diseases	Finding	114	7	0.1	NA	NA	0
DDC	1644	Hypotensio	C0020649	phenotype	Cardiovascular Diseases	Finding	125	2	0.1	NA	NA	0
DDC	1644	Irritable M	C0022107	phenotype	Behavior and Behavior Mechanisms	Finding	142	1	0.1	NA	NA	0
DDC	1644	Miosis disc	C0026205	disease	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	20	1	0.1	NA	NA	0
DDC	1644	Moderate	C0026351	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	251	94	0.1	NA	NA	0
DDC	1644	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.1	NA	NA	0
DDC	1644	Nasal obst	C0027429	phenotype	Respiratory Tract Diseases; Otorhinolaryngologic Diseases	Finding	7	0	0.1	NA	NA	0
DDC	1644	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	10
DDC	1644	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
DDC	1644	Babinski Re	C0034935	phenotype	NA	Finding	218	11	0.1	NA	NA	0
DDC	1644	Sleep distu	C0037317	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	311	74	0.1	NA	NA	0
DDC	1644	Choreoath	C0085583	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	94	9	0.1	NA	NA	0
DDC	1644	Hypokines	C0086439	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	47	2	0.1	NA	NA	0
DDC	1644	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
DDC	1644	Dysmorphi	C0424503	phenotype	NA	Finding	271	106	0.1	NA	NA	0
DDC	1644	Dyssomnia	C0700201	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	236	10	0.1	NA	NA	0
DDC	1644	Dystonia, L	C0751093	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	42	9	0.1	NA	NA	0
DDC	1644	Sleep Diso	C0851578	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	360	38	0.1	NA	NA	0
DDC	1644	Body mass	C1305855	phenotype	NA	Clinical Attribute	1014	2689	0.1	NA	1	5
DDC	1644	Temperatu	C1820737	phenotype	NA	Finding	12	8	0.1	NA	NA	0
DDC	1644	Disproport	C1836996	phenotype	NA	Finding	30	17	0.1	NA	NA	0
DDC	1644	Intermitter	C1837639	phenotype	Pathological Conditions, Signs and Symptoms	Finding	3	2	0.1	NA	NA	0
DDC	1644	Limb hype	C1838391	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	77	12	0.1	NA	NA	0
DDC	1644	Episodic vo	C1838993	phenotype	Pathological Conditions, Signs and Symptoms	Finding	43	10	0.1	NA	NA	0
DDC	1644	Paroxysma	C1847515	phenotype	NA	Finding	39	2	0.1	NA	NA	0
DDC	1644	Muscular h	C1853743	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	156	25	0.1	NA	NA	0
DDC	1644	Precursor (	C1961102	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	879	168	0.1	NA	1	3
DDC	1644	Feeding dif	C2674608	phenotype	NA	Finding	305	22	0.1	NA	NA	0
DDC	1644	Irritation -	C2700617	phenotype	Behavior and Behavior Mechanisms	Mental Process	147	14	0.1	NA	NA	0
DDC	1644	Elevated C	C4022801	phenotype	NA	Finding	2	1	0.1	NA	NA	0
DDC	1644	Abnormali	C4025871	phenotype	NA	Anatomical Abnormality	31	24	0.1	NA	NA	0
DDC	1644	Decreased	C4280803	phenotype	NA	Finding	7	2	0.1	NA	NA	0
DDC	1644	Corpuscula	C4528257	phenotype	NA	Laboratory or Test Result	401	4389	0.1	NA	1	1
DDC	1644	Irritability,	C4552810	phenotype	NA	Finding	140	0	0.1	NA	NA	0
DDC	1644	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.07	NA	1	7
DDC	1644	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.06	NA	1	6
DDC	1644	Hepatitis, A	C0019187	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	133	1	0.06	NA	1	6
DDC	1644	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.06	NA	1	6
DDC	1644	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.06	NA	1	6
DDC	1644	Small cell c	C0149925	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	972	125	0.05	NA	1	5
DDC	1644	Nicotine D	C0028043	disease	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	170	178	0.04	NA	1	4
DDC	1644	Attention d	C1263846	disease	Mental Disorders	Mental or Behavioral Dysfunc	842	420	0.04	NA	1	4
DDC	1644	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.04	NA	1	4
DDC	1644	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.03	NA	0.667	3
DDC	1644	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.03	NA	1	3
DDC	1644	Liver disea	C0023895	group	Digestive System Diseases	Disease or Syndrome	1019	100	0.03	NA	1	3
DDC	1644	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.03	NA	1	3

DDC	1644	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.03	NA	1	3
DDC	1644	Migraine w	C0154723	disease	Nervous System Diseases	Disease or Syndrome	87	56	0.02	NA	1	2
DDC	1644	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.02	NA	1	2
DDC	1644	Common M	C0338480	disease	Nervous System Diseases	Disease or Syndrome	77	62	0.02	NA	1	2
DDC	1644	Adenocarc	C1319315	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	543	432	0.02	NA	1	2
DDC	1644	MAJOR AF	C1852197	disease	Mental Disorders	Mental or Behavioral Dysfunc	161	34	0.02	NA	1	2
DDC	1644	MAJOR AF	C1970943	disease	Mental Disorders	Mental or Behavioral Dysfunc	160	34	0.02	NA	1	2
DDC	1644	MAJOR AF	C1970945	disease	Mental Disorders	Mental or Behavioral Dysfunc	160	34	0.02	NA	1	2
DDC	1644	MAJOR AF	C2700438	disease	Mental Disorders	Mental or Behavioral Dysfunc	127	8	0.02	NA	1	2
DDC	1644	MAJOR AF	C2700439	disease	Mental Disorders	Mental or Behavioral Dysfunc	126	8	0.02	NA	1	2
DDC	1644	MAJOR AF	C2700440	disease	Mental Disorders	Mental or Behavioral Dysfunc	126	8	0.02	NA	1	2
DDC	1644	Addison Di	C0001403	disease	Immune System Diseases; Endocrine System Diseases	Disease or Syndrome	111	13	0.01	NA	1	1
DDC	1644	Anaplasia	C0002793	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	538	7	0.01	NA	1	1
DDC	1644	Anxiety	C0003467	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1048	287	0.01	NA	1	1
DDC	1644	Anxiety Dis	C0003469	group	Mental Disorders	Mental or Behavioral Dysfunc	840	163	0.01	NA	1	1
DDC	1644	Barrett Esc	C0004763	disease	Digestive System Diseases; Neoplasms	Disease or Syndrome	478	60	0.01	NA	1	1
DDC	1644	Borderline	C0006012	disease	Mental Disorders	Mental or Behavioral Dysfunc	221	82	0.01	NA	1	1
DDC	1644	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
DDC	1644	Carcinoid T	C0007095	phenotype	Neoplasms	Neoplastic Process	267	3	0.01	NA	1	1
DDC	1644	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2084	288	0.01	NA	1	1
DDC	1644	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.01	NA	1	1
DDC	1644	Cerebral In	C0007785	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	687	123	0.01	NA	1	1
DDC	1644	Cerebral Pa	C0007789	disease	Nervous System Diseases	Disease or Syndrome	241	69	0.01	NA	1	1
DDC	1644	Cholangitis	C0008311	disease	Digestive System Diseases	Disease or Syndrome	80	1	0.01	NA	1	1
DDC	1644	Cholangitis	C0008313	disease	Digestive System Diseases	Disease or Syndrome	188	276	0.01	NA	1	1
DDC	1644	Colitis	C0009319	disease	Digestive System Diseases	Disease or Syndrome	1135	15	0.01	NA	1	1
DDC	1644	Headache	C0018681	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	338	75	0.01	NA	1	1
DDC	1644	Homocysti	C0019880	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	39	27	0.01	NA	1	1
DDC	1644	Laryngeal I	C0023051	group	Respiratory Tract Diseases; Otorhinolaryngologic Diseases	Disease or Syndrome	159	7	0.01	NA	1	1
DDC	1644	Acute lymp	C0023449	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1293	222	0.01	NA	1	1
DDC	1644	Childhood	C0023452	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1096	261	0.01	NA	1	1
DDC	1644	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	0	1
DDC	1644	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
DDC	1644	Movement	C0026650	group	Nervous System Diseases	Disease or Syndrome	362	247	0.01	NA	1	1
DDC	1644	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
DDC	1644	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.01	NA	1	1
DDC	1644	Tongue Ne	C0040411	group	Neoplasms; Stomatognathic Diseases	Neoplastic Process	62	0	0.01	NA	1	1
DDC	1644	Virus Disea	C0042769	group	Infections	Disease or Syndrome	1471	42	0.01	NA	1	1
DDC	1644	Polyglandu	C0085859	disease	Immune System Diseases; Endocrine System Diseases	Disease or Syndrome	64	76	0.01	NA	1	1
DDC	1644	Russell-Silv	C0175693	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	104	12	0.01	NA	1	1
DDC	1644	Neuroendo	C0206754	group	Neoplasms	Neoplastic Process	491	20	0.01	NA	1	1
DDC	1644	Ataxic	C0234366	phenotype	NA	Sign or Symptom	15	4	0.01	NA	1	1
DDC	1644	Neoplasm,	C0242596	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	329	23	0.01	NA	1	1
DDC	1644	Disseminat	C0278694	disease	Neoplasms	Neoplastic Process	56	0	0.01	NA	1	1
DDC	1644	Cervical Sq	C0279671	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	371	44	0.01	NA	1	1
DDC	1644	Convention	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2346	222	0.01	NA	1	1
DDC	1644	C-cell hype	C0342190	disease	Pathological Conditions, Signs and Symptoms; Endocrine System Diseases	Disease or Syndrome	35	16	0.01	NA	1	1
DDC	1644	Classical Li	C0431375	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	25	97	0.01	NA	1	1
DDC	1644	Suicidal	C0438696	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	93	29	0.01	NA	0	1
DDC	1644	Endometri	C0476089	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1597	326	0.01	NA	1	1

DDC	1644	Mood Disc	C0525045	group	Mental Disorders	Mental or Behavioral Dysfunc	580	308	0.01	NA	0	1
DDC	1644	Primary sc	C0566602	disease	Digestive System Diseases	Disease or Syndrome	264	58	0.01	NA	1	1
DDC	1644	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
DDC	1644	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
DDC	1644	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	0	1
DDC	1644	Adult Acut	C0751606	disease	NA	Neoplastic Process	860	154	0.01	NA	1	1
DDC	1644	Vitamin B	C0936215	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	11	0	0.01	NA	1	1
DDC	1644	Tauopathie	C0949664	group	Nervous System Diseases	Disease or Syndrome	245	43	0.01	NA	0	1
DDC	1644	Stage 4S n	C1135161	disease	NA	Neoplastic Process	45	0	0.01	NA	1	1
DDC	1644	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.01	NA	1	1
DDC	1644	Familial (F	C1611743	disease	NA	Disease or Syndrome	1075	276	0.01	NA	1	1
DDC	1644	Familial m	C1833921	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	56	45	0.01	NA	1	1
DDC	1644	Dopa-Resp	C1851920	disease	Nervous System Diseases	Disease or Syndrome	28	33	0.01	NA	1	1
DDC	1644	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
DDC	1644	Complicate	C2747816	disease	Infections	Disease or Syndrome	166	38	0.01	NA	1	1
DDC	1644	Nonalcoho	C3241937	disease	Digestive System Diseases	Disease or Syndrome	434	17	0.01	NA	1	1
DDC	1644	Multiple C	C3266262	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	929	42	0.01	NA	1	1
DDC	1644	Circling be	C3668948	phenotype	NA	Mental or Behavioral Dysfunc	14	0	0.01	NA	1	1
DDC	1644	Congenital	C3888018	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	62	27	0.01	NA	1	1
DDC	1644	Peritoneal	C4087504	disease	NA	Neoplastic Process	170	0	0.01	NA	0	1
DDC	1644	Fatty Liver	C4529962	disease	NA	Disease or Syndrome	741	81	0.01	NA	1	1
DDC	1644	Adrenal Gl	C4551683	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	416	50	0.01	NA	1	1
DDC	1644	Metastatic	C4722306	disease	Neoplasms	Neoplastic Process	31	0	0.01	NA	1	1
NDUFB9	4715	MITOCHOI	C1838979	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	40	31	0.5	moderate	1	1
NDUFB9	4715	MITOCHOI	C4748803	disease	NA	Disease or Syndrome	1	1	0.5	moderate	1	1
NDUFB9	4715	Weight Ga	C0043094	phenotype	Pathological Conditions, Signs and Symptoms	Finding	124	12	0.3	NA	1	1
NDUFB9	4715	Acidosis, L	C0001125	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	209	21	0.1	NA	NA	0
NDUFB9	4715	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
NDUFB9	4715	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
NDUFB9	4715	Hypertrop	C0007194	disease	Cardiovascular Diseases	Disease or Syndrome	560	635	0.1	NA	NA	0
NDUFB9	4715	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.1	NA	NA	0
NDUFB9	4715	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0
NDUFB9	4715	Fetal Distre	C0015930	disease	Pathological Conditions, Signs and Symptoms	Pathologic Function	44	1	0.1	NA	NA	0
NDUFB9	4715	Fetal Grow	C0015934	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	1037	21	0.1	NA	NA	0
NDUFB9	4715	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	783	111	0.1	NA	NA	0
NDUFB9	4715	Hepatome	C0019209	phenotype	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Finding	523	30	0.1	NA	NA	0
NDUFB9	4715	Hypoglyce	C0020615	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	420	42	0.1	NA	NA	0
NDUFB9	4715	Lethargy	C0023380	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Sign or Symptom	160	6	0.1	NA	NA	0
NDUFB9	4715	Leukodystr	C0023520	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	190	27	0.1	NA	NA	0
NDUFB9	4715	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
NDUFB9	4715	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	NA	0
NDUFB9	4715	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
NDUFB9	4715	Disorder o	C0029132	group	Eye Diseases; Nervous System Diseases	Disease or Syndrome	112	2	0.1	NA	NA	0
NDUFB9	4715	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
NDUFB9	4715	Respirator	C0035229	phenotype	Respiratory Tract Diseases	Pathologic Function	315	15	0.1	NA	NA	0
NDUFB9	4715	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
NDUFB9	4715	Vomiting	C0042963	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	303	23	0.1	NA	NA	0
NDUFB9	4715	Encephalo	C0085584	group	Nervous System Diseases	Disease or Syndrome	457	64	0.1	NA	NA	0
NDUFB9	4715	Mitochond	C0162670	group	Nutritional and Metabolic Diseases; Musculoskeletal Diseases; Nervous Sy	Disease or Syndrome	121	19	0.1	NA	NA	0
NDUFB9	4715	Feeding di	C0232466	phenotype	NA	Finding	473	62	0.1	NA	NA	0

NDUFB9	4715	Leukoence	C0270612	group	Nervous System Diseases	Disease or Syndrome	189	17	0.1	NA	NA	0
NDUFB9	4715	Blindness	C0456909	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	393	34	0.1	NA	NA	0
NDUFB9	4715	Pallor of o	C0554970	phenotype	NA	Finding	98	4	0.1	NA	NA	0
NDUFB9	4715	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
NDUFB9	4715	Increased (	C1167918	phenotype	NA	Finding	87	1	0.1	NA	NA	0
NDUFB9	4715	Poor eye c	C1445953	phenotype	Mental Disorders	Finding	73	6	0.1	NA	NA	0
NDUFB9	4715	Peripheral	C1704436	group	Cardiovascular Diseases	Disease or Syndrome	319	128	0.1	NA	1	1
NDUFB9	4715	Poor head	C1836038	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	162	13	0.1	NA	NA	0
NDUFB9	4715	Increased s	C1836440	phenotype	Nutritional and Metabolic Diseases	Finding	169	2	0.1	NA	NA	0
NDUFB9	4715	Proximal tu	C1839603	phenotype	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Finding	37	0	0.1	NA	NA	0
NDUFB9	4715	Paroxysma	C1847515	phenotype	NA	Finding	39	2	0.1	NA	NA	0
NDUFB9	4715	Increased s	C1849488	phenotype	NA	Finding	45	1	0.1	NA	NA	0
NDUFB9	4715	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
NDUFB9	4715	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
NDUFB9	4715	Decreased	C2677650	phenotype	NA	Finding	41	3	0.1	NA	NA	0
NDUFB9	4715	Abnormal	C4021546	disease	NA	Anatomical Abnormality	39	2	0.1	NA	NA	0
NDUFB9	4715	Focal T2 hy	C4022748	phenotype	NA	Finding	33	2	0.1	NA	NA	0
NDUFB9	4715	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
NDUFB9	4715	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
NDUFB9	4715	Branchio-C	C0265234	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Disease or Syndrome	14	0	0.01	NA	0	1
NDUFB9	4715	Nicotinami	C0342776	disease	NA	Disease or Syndrome	51	4	0.01	NA	1	1
NDUFB9	4715	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
NDUFB9	4715	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
NDUFB9	4715	Histiocytoi	C1708371	disease	Cardiovascular Diseases	Disease or Syndrome	12	3	0.01	NA	1	1
GRM4	2914	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.45	NA	1	6
GRM4	2914	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.32	NA	0.333	3
GRM4	2914	Bipolar Dis	C0005586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1183	839	0.3	NA	1	2
GRM4	2914	Epilepsy, T	C0014556	disease	Nervous System Diseases	Disease or Syndrome	354	33	0.3	NA	1	1
GRM4	2914	Uncinate E	C0014558	disease	Nervous System Diseases	Disease or Syndrome	23	0	0.3	NA	1	1
GRM4	2914	Nerve Deg	C0027746	phenotype	Pathological Conditions, Signs and Symptoms	Cell or Molecular Dysfunction	165	17	0.3	NA	1	1
GRM4	2914	Epilepsy, B	C0393672	disease	Nervous System Diseases	Disease or Syndrome	23	0	0.3	NA	1	1
GRM4	2914	Epilepsy, L	C0393682	disease	Nervous System Diseases	Disease or Syndrome	29	1	0.3	NA	1	1
GRM4	2914	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.06	NA	1	6
GRM4	2914	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.05	NA	1	5
GRM4	2914	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.05	NA	1	5
GRM4	2914	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.04	NA	0.75	4
GRM4	2914	Juvenile M	C0270853	disease	Nervous System Diseases	Disease or Syndrome	74	46	0.04	NA	0.75	4
GRM4	2914	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.03	NA	1	3
GRM4	2914	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.02	NA	1	2
GRM4	2914	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.02	NA	1	2
GRM4	2914	Idiopathic	C0270850	disease	Nervous System Diseases	Disease or Syndrome	94	24	0.02	NA	0.5	2
GRM4	2914	Motor sym	C0426980	phenotype	NA	Sign or Symptom	100	15	0.02	NA	1	2
GRM4	2914	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.02	NA	1	2
GRM4	2914	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.01	NA	1	1
GRM4	2914	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.01	NA	1	1
GRM4	2914	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
GRM4	2914	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.01	NA	1	1
GRM4	2914	Catalepsy	C0007370	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	43	0	0.01	NA	1	1
GRM4	2914	CNS disord	C0007682	group	Nervous System Diseases	Disease or Syndrome	319	11	0.01	NA	1	1
GRM4	2914	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.01	NA	1	1

GRM4	2914	Mental De	C0011570	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1478	271	0.01	NA	1	1
GRM4	2914	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.01	NA	1	1
GRM4	2914	Dyskinetic	C0013384	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	316	42	0.01	NA	1	1
GRM4	2914	Encephalo	C0014070	disease	Infections; Nervous System Diseases	Disease or Syndrome	865	7	0.01	NA	1	1
GRM4	2914	Epilepsy, G	C0014548	disease	Nervous System Diseases	Disease or Syndrome	93	36	0.01	NA	1	1
GRM4	2914	Absence Ep	C0014553	disease	Nervous System Diseases	Disease or Syndrome	89	17	0.01	NA	1	1
GRM4	2914	Impulsive I	C0021125	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	276	69	0.01	NA	1	1
GRM4	2914	Metabolic	C0025517	group	Nutritional and Metabolic Diseases	Disease or Syndrome	945	50	0.01	NA	1	1
GRM4	2914	Mitral Valv	C0026269	disease	Cardiovascular Diseases	Disease or Syndrome	170	7	0.01	NA	1	1
GRM4	2914	Multiple Sc	C0026769	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	1800	1022	0.01	NA	1	1
GRM4	2914	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.01	NA	1	1
GRM4	2914	Unipolar D	C0041696	disease	Mental Disorders	Mental or Behavioral Dysfunc	641	225	0.01	NA	1	1
GRM4	2914	Chronic pa	C0150055	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	207	19	0.01	NA	1	1
GRM4	2914	Inflammat	C0234251	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	266	1	0.01	NA	1	1
GRM4	2914	Parkinsoni	C0242422	group	Nervous System Diseases	Disease or Syndrome	373	95	0.01	NA	1	1
GRM4	2914	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.01	NA	1	1
GRM4	2914	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.01	NA	1	1
GRM4	2914	Conventio	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2346	222	0.01	NA	1	1
GRM4	2914	Depressed	C0344315	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1461	269	0.01	NA	1	1
GRM4	2914	Neurodege	C0524851	group	Nervous System Diseases	Disease or Syndrome	1515	85	0.01	NA	1	1
GRM4	2914	Malignant	C0555198	disease	Neoplasms	Neoplastic Process	724	22	0.01	NA	1	1
GRM4	2914	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
GRM4	2914	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2104	309	0.01	NA	1	1
GRM4	2914	Major Dep	C1269683	disease	Mental Disorders	Mental or Behavioral Dysfunc	1236	1451	0.01	NA	1	1
GRM4	2914	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
GRM4	2914	Prieto X-lir	C1839730	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	16	0	0.01	NA	1	1
GRM4	2914	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	0	1
GRM4	2914	Childhood	C4281785	disease	Nervous System Diseases	Disease or Syndrome	33	13	0.01	NA	1	1
GPC4	2239	SIMPSON-(	C0796154	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	44	12	0.57	NA	0.875	8
GPC4	2239	Nasodigito	C1850627	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	2	6	0.41	NA	1	1
GPC4	2239	Nephrobla	C0027708	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	586	125	0.4	NA	NA	0
GPC4	2239	Craniofacia	C0376634	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	234	4	0.31	NA	1	2
GPC4	2239	Bilateral W	C2930471	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Disease or Syndrome	31	0	0.3	NA	NA	0
GPC4	2239	Hydroceph	C0020255	disease	Nervous System Diseases	Disease or Syndrome	473	37	0.11	NA	1	1
GPC4	2239	Cardiac Arr	C0003811	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	559	111	0.1	NA	NA	0
GPC4	2239	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
GPC4	2239	Bundle-Bra	C0006384	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	12	0	0.1	NA	NA	0
GPC4	2239	Cleft uppe	C0008924	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	255	282	0.1	NA	NA	0
GPC4	2239	Cleft Palat	C0008925	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	611	158	0.1	NA	NA	0
GPC4	2239	Congenital	C0009081	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	285	44	0.1	NA	NA	0
GPC4	2239	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
GPC4	2239	Dandy-Wa	C0010964	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	137	9	0.1	NA	NA	0
GPC4	2239	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.1	NA	NA	0
GPC4	2239	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
GPC4	2239	Congenital	C0016842	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	272	36	0.1	NA	NA	0
GPC4	2239	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	783	111	0.1	NA	NA	0
GPC4	2239	Atrial Sept	C0018817	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	384	96	0.1	NA	NA	0
GPC4	2239	Ventricular	C0018818	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	426	87	0.1	NA	NA	0
GPC4	2239	Hepatome	C0019209	phenotype	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Finding	523	30	0.1	NA	NA	0
GPC4	2239	Hernia, Ing	C0019294	phenotype	Pathological Conditions, Signs and Symptoms	Anatomical Abnormality	225	21	0.1	NA	NA	0

GPC4	2239	Hoarsenes	C0019825	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases;	Sign or Symptom	84	3	0.1	NA	NA	0
GPC4	2239	Polyhydran	C0020224	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	208	28	0.1	NA	NA	0
GPC4	2239	Hydroneph	C0020295	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	253	18	0.1	NA	NA	0
GPC4	2239	Orbital sep	C0020534	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Finding	590	77	0.1	NA	NA	0
GPC4	2239	Hypoglyce	C0020615	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	420	42	0.1	NA	NA	0
GPC4	2239	Macroglos	C0024421	disease	Stomatognathic Diseases	Disease or Syndrome	115	2	0.1	NA	NA	0
GPC4	2239	Macroston	C0024433	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	148	11	0.1	NA	NA	0
GPC4	2239	Malocclusi	C0024636	disease	Stomatognathic Diseases	Anatomical Abnormality	128	10	0.1	NA	NA	0
GPC4	2239	Meckel Div	C0025037	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	63	0	0.1	NA	NA	0
GPC4	2239	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	NA	0
GPC4	2239	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.1	NA	NA	0
GPC4	2239	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
GPC4	2239	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
GPC4	2239	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
GPC4	2239	Speech Dis	C0037822	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	183	7	0.1	NA	NA	0
GPC4	2239	Splenomeg	C0038002	phenotype	Pathological Conditions, Signs and Symptoms	Finding	345	19	0.1	NA	NA	0
GPC4	2239	Transposit	C0040761	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	61	18	0.1	NA	NA	0
GPC4	2239	Prolonged	C0151878	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Finding	38	12	0.1	NA	NA	0
GPC4	2239	Cervical rib	C0158779	disease	NA	Congenital Abnormality	11	0	0.1	NA	NA	0
GPC4	2239	Agenesis o	C0175754	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	615	45	0.1	NA	NA	0
GPC4	2239	Hepatobla	C0206624	disease	Neoplasms	Neoplastic Process	452	22	0.1	NA	NA	0
GPC4	2239	POLYDACT	C0220697	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	61	7	0.1	NA	NA	0
GPC4	2239	Congenital	C0221210	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	77	5	0.1	NA	NA	0
GPC4	2239	Neck webb	C0221217	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	78	19	0.1	NA	NA	0
GPC4	2239	Syndactyly	C0221352	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	171	12	0.1	NA	NA	0
GPC4	2239	Macrocepl	C0221355	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	367	10	0.1	NA	NA	0
GPC4	2239	Brachydact	C0221357	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	325	43	0.1	NA	NA	0
GPC4	2239	Double ure	C0221365	disease	NA	Congenital Abnormality	34	0	0.1	NA	NA	0
GPC4	2239	Diastasis re	C0221766	disease	Musculoskeletal Diseases; Wounds and Injuries	Disease or Syndrome	22	1	0.1	NA	NA	0
GPC4	2239	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.1	NA	NA	0
GPC4	2239	Congenital	C0235833	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	239	31	0.1	NA	NA	0
GPC4	2239	Low set ea	C0239234	disease	NA	Congenital Abnormality	489	64	0.1	NA	NA	0
GPC4	2239	Hypoplasia	C0240310	disease	NA	Congenital Abnormality	113	5	0.1	NA	NA	0
GPC4	2239	Tall stature	C0241240	phenotype	NA	Finding	79	14	0.1	NA	NA	0
GPC4	2239	Micronych	C0263523	phenotype	Skin and Connective Tissue Diseases	Finding	60	5	0.1	NA	NA	0
GPC4	2239	Spade-like	C0264142	disease	Musculoskeletal Diseases	Congenital Abnormality	24	0	0.1	NA	NA	0
GPC4	2239	Clinodacty	C0265610	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	160	7	0.1	NA	NA	0
GPC4	2239	Syndactyly	C0265660	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	129	11	0.1	NA	NA	0
GPC4	2239	Accessory	C0266011	disease	Skin and Connective Tissue Diseases	Congenital Abnormality	38	3	0.1	NA	NA	0
GPC4	2239	Congenital	C0266435	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	237	0	0.1	NA	NA	0
GPC4	2239	Preauricula	C0266610	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	40	5	0.1	NA	NA	0
GPC4	2239	Accessory	C0266631	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Congenital Abnormality	41	0	0.1	NA	NA	0
GPC4	2239	Simple ren	C0268800	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	100	2	0.1	NA	NA	0
GPC4	2239	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
GPC4	2239	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
GPC4	2239	Class III ma	C0399526	disease	Stomatognathic Diseases	Congenital Abnormality	181	19	0.1	NA	NA	0
GPC4	2239	Flexion cor	C0409348	phenotype	NA	Finding	168	7	0.1	NA	NA	0
GPC4	2239	Downward	C0423110	phenotype	NA	Finding	391	49	0.1	NA	NA	0
GPC4	2239	Large nose	C0426415	phenotype	NA	Finding	70	7	0.1	NA	NA	0
GPC4	2239	Wide nose	C0426421	phenotype	NA	Finding	87	1	0.1	NA	NA	0

GPC4	2239	Broad thur	C0426891	phenotype	NA	Finding	67	11	0.1	NA	NA	0
GPC4	2239	Ulnar polyd	C0431904	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	92	11	0.1	NA	NA	0
GPC4	2239	Simple syn	C0432055	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Skin and	Congenital Abnormality	9	0	0.1	NA	NA	0
GPC4	2239	Defect of v	C0432163	disease	Musculoskeletal Diseases	Congenital Abnormality	40	6	0.1	NA	NA	0
GPC4	2239	Short neck	C0521525	phenotype	NA	Finding	288	29	0.1	NA	NA	0
GPC4	2239	Dilatation	C0521620	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Anatomical Abnormality	72	2	0.1	NA	NA	0
GPC4	2239	Enlarged k	C0542518	phenotype	NA	Finding	27	2	0.1	NA	NA	0
GPC4	2239	Somatic m	C0544886	phenotype	NA	Cell or Molecular Dysfunction	151	0	0.1	NA	NA	0
GPC4	2239	Advanced	C0545053	phenotype	NA	Finding	64	4	0.1	NA	NA	0
GPC4	2239	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
GPC4	2239	Short foot	C0576226	phenotype	NA	Finding	116	0	0.1	NA	NA	0
GPC4	2239	Islets of La	C0597167	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	12	0	0.1	NA	NA	0
GPC4	2239	Congenital	C0678230	disease	NA	Congenital Abnormality	417	30	0.1	NA	NA	0
GPC4	2239	Abnormal	C0685695	disease	Respiratory Tract Diseases	Congenital Abnormality	32	0	0.1	NA	NA	0
GPC4	2239	Congenital	C0795690	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	85	13	0.1	NA	NA	0
GPC4	2239	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.1	NA	NA	0
GPC4	2239	Abnormali	C0857379	phenotype	NA	Finding	85	9	0.1	NA	NA	0
GPC4	2239	Cardiomyo	C0878544	group	Cardiovascular Diseases	Disease or Syndrome	925	294	0.1	NA	NA	0
GPC4	2239	Congenital	C1306503	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	235	0	0.1	NA	NA	0
GPC4	2239	hearing im	C1384666	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	740	337	0.1	NA	NA	0
GPC4	2239	Nail dyspla	C1834405	disease	Pathological Conditions, Signs and Symptoms	Congenital Abnormality	78	2	0.1	NA	NA	0
GPC4	2239	Short toe	C1836195	phenotype	NA	Finding	56	3	0.1	NA	NA	0
GPC4	2239	Depressed	C1836542	phenotype	NA	Finding	426	39	0.1	NA	NA	0
GPC4	2239	Prominent	C1837260	phenotype	NA	Finding	159	25	0.1	NA	NA	0
GPC4	2239	High, narro	C1837404	phenotype	NA	Finding	129	21	0.1	NA	NA	0
GPC4	2239	Duplication	C1839269	phenotype	NA	Finding	3	0	0.1	NA	NA	0
GPC4	2239	Birth lengt	C1839271	phenotype	NA	Finding	6	2	0.1	NA	NA	0
GPC4	2239	Broad seco	C1839276	phenotype	NA	Finding	4	0	0.1	NA	NA	0
GPC4	2239	Submucou	C1839277	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Finding	2	0	0.1	NA	NA	0
GPC4	2239	Six lumbar	C1839279	phenotype	NA	Finding	2	0	0.1	NA	NA	0
GPC4	2239	Two carpal	C1839285	phenotype	NA	Finding	2	0	0.1	NA	NA	0
GPC4	2239	Tented upp	C1839767	phenotype	NA	Finding	79	8	0.1	NA	NA	0
GPC4	2239	Short dista	C1839829	phenotype	NA	Finding	85	3	0.1	NA	NA	0
GPC4	2239	Anteverted	C1840077	phenotype	NA	Finding	407	35	0.1	NA	NA	0
GPC4	2239	Distal shor	C1840307	phenotype	NA	Finding	6	3	0.1	NA	NA	0
GPC4	2239	Cerebellar	C1840379	phenotype	NA	Finding	100	26	0.1	NA	NA	0
GPC4	2239	Abnormali	C1842083	disease	NA	Anatomical Abnormality	69	5	0.1	NA	NA	0
GPC4	2239	Short palm	C1843108	phenotype	NA	Finding	110	13	0.1	NA	NA	0
GPC4	2239	Coarse faci	C1845847	phenotype	Pathological Conditions, Signs and Symptoms	Finding	194	33	0.1	NA	NA	0
GPC4	2239	X- linked re	C1845977	phenotype	NA	Finding	172	1	0.1	NA	NA	0
GPC4	2239	Thick uppe	C1846423	phenotype	NA	Finding	16	4	0.1	NA	NA	0
GPC4	2239	Hypoplasti	C1848673	phenotype	NA	Finding	129	21	0.1	NA	NA	0
GPC4	2239	Broad fore	C1849089	phenotype	NA	Finding	133	13	0.1	NA	NA	0
GPC4	2239	Nasal bridg	C1849367	phenotype	NA	Finding	429	29	0.1	NA	NA	0
GPC4	2239	Clinodacty	C1850049	disease	NA	Congenital Abnormality	284	39	0.1	NA	NA	0
GPC4	2239	Narrow sac	C1850087	phenotype	NA	Finding	7	0	0.1	NA	NA	0
GPC4	2239	Exaggerate	C1850629	phenotype	NA	Finding	11	6	0.1	NA	NA	0
GPC4	2239	Broad dista	C1850630	phenotype	NA	Finding	10	0	0.1	NA	NA	0
GPC4	2239	Midface re	C1853242	phenotype	NA	Finding	228	0	0.1	NA	NA	0
GPC4	2239	Prominent	C1854113	phenotype	NA	Finding	180	8	0.1	NA	NA	0

GPC4	2239	Short nose	C1854114	phenotype	NA	Finding	265	23	0.1	NA	NA	0
GPC4	2239	Polysplenia	C1856659	disease	NA	Congenital Abnormality	15	0	0.1	NA	NA	0
GPC4	2239	Abnormali	C1856660	phenotype	NA	Finding	21	2	0.1	NA	NA	0
GPC4	2239	Aplastic/hy	C1856749	phenotype	NA	Finding	23	1	0.1	NA	NA	0
GPC4	2239	Low-set, p	C1857486	phenotype	NA	Finding	223	19	0.1	NA	NA	0
GPC4	2239	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
GPC4	2239	Death in in	C1858430	phenotype	NA	Finding	146	7	0.1	NA	NA	0
GPC4	2239	Preauricula	C1860816	phenotype	NA	Finding	53	4	0.1	NA	NA	0
GPC4	2239	Short 2nd t	C1862142	phenotype	NA	Finding	7	0	0.1	NA	NA	0
GPC4	2239	Broad toe	C1865038	phenotype	NA	Finding	11	2	0.1	NA	NA	0
GPC4	2239	Flared iliac	C1865841	phenotype	NA	Finding	19	0	0.1	NA	NA	0
GPC4	2239	Short hallu	C1865992	phenotype	NA	Finding	23	0	0.1	NA	NA	0
GPC4	2239	Downturne	C1866195	phenotype	NA	Anatomical Abnormality	122	14	0.1	NA	NA	0
GPC4	2239	Broad foot	C1866241	phenotype	Musculoskeletal Diseases	Finding	30	0	0.1	NA	NA	0
GPC4	2239	Short sacro	C1866689	phenotype	NA	Finding	4	0	0.1	NA	NA	0
GPC4	2239	Broad hallu	C1867131	phenotype	NA	Finding	48	14	0.1	NA	NA	0
GPC4	2239	Pulmonary	C1956257	disease	Cardiovascular Diseases	Disease or Syndrome	106	40	0.1	NA	NA	0
GPC4	2239	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
GPC4	2239	Spinal fusio	C3278509	disease	NA	Anatomical Abnormality	67	2	0.1	NA	NA	0
GPC4	2239	NAIL DISOR	C3279947	disease	NA	Disease or Syndrome	77	1	0.1	NA	NA	0
GPC4	2239	Multicystic	C3714581	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	121	11	0.1	NA	NA	0
GPC4	2239	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
GPC4	2239	Renal cyst	C3887499	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms; Female Uroger	Disease or Syndrome	170	17	0.1	NA	NA	0
GPC4	2239	Aplasia/Hy	C4021326	phenotype	NA	Finding	4	0	0.1	NA	NA	0
GPC4	2239	Broad hallu	C4021343	disease	NA	Anatomical Abnormality	17	0	0.1	NA	NA	0
GPC4	2239	Posterior h	C4021539	phenotype	NA	Finding	9	0	0.1	NA	NA	0
GPC4	2239	Aplasia/Hy	C4023909	phenotype	NA	Finding	32	0	0.1	NA	NA	0
GPC4	2239	Abnormali	C4049796	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	198	13	0.1	NA	NA	0
GPC4	2239	Clinodacty	C4551485	disease	NA	Congenital Abnormality	148	18	0.1	NA	NA	0
GPC4	2239	Congenital	C4551649	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	147	27	0.1	NA	NA	0
GPC4	2239	Talipes tra	C4551838	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	30	0	0.1	NA	NA	0
GPC4	2239	Simpson-G	C4317043	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Disease or Syndrome	9	0	0.04	NA	1	4
GPC4	2239	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.02	NA	1	2
GPC4	2239	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.02	NA	1	2
GPC4	2239	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
GPC4	2239	Bone Disea	C0005941	group	Musculoskeletal Diseases	Disease or Syndrome	82	2	0.01	NA	1	1
GPC4	2239	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
GPC4	2239	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
GPC4	2239	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.01	NA	1	1
GPC4	2239	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.01	NA	1	1
GPC4	2239	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.01	NA	1	1
GPC4	2239	Hereditary	C0015306	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Congenital Abnormality	32	51	0.01	NA	0	1
GPC4	2239	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
GPC4	2239	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
GPC4	2239	Teratoma	C0039538	disease	Neoplasms	Neoplastic Process	171	8	0.01	NA	1	1
GPC4	2239	Epstein-Ba	C0149678	group	Infections	Disease or Syndrome	384	72	0.01	NA	1	1
GPC4	2239	Polydactyl	C0152427	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	188	43	0.01	NA	1	1
GPC4	2239	Osteochon	C0206641	disease	Neoplasms; Musculoskeletal Diseases	Neoplastic Process	10	1	0.01	NA	0	1
GPC4	2239	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
GPC4	2239	Impaired g	C0271650	phenotype	Nutritional and Metabolic Diseases	Disease or Syndrome	596	81	0.01	NA	1	1

GPC4	2239	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
GPC4	2239	Non-alcoh	C0400966	disease	Digestive System Diseases	Disease or Syndrome	1058	222	0.01	NA	1	1
GPC4	2239	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
GPC4	2239	Nephrobla	C0796113	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	7	5	0.01	NA	1	1
GPC4	2239	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
GPC4	2239	Adult Tera	C1368898	disease	Neoplasms	Neoplastic Process	93	3	0.01	NA	1	1
GPC4	2239	Childhood	C2347762	disease	Neoplasms	Neoplastic Process	95	3	0.01	NA	1	1
GPC4	2239	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.01	NA	1	1
GPC4	2239	Overgrowt	C2986703	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	36	6	0.01	NA	1	1
MSRB3	253827	DEAFNESS,	C2239351	disease	NA	Disease or Syndrome	1	3	0.91	strong	1	2
MSRB3	253827	hearing im	C1384666	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	740	337	0.6	strong	1	2
MSRB3	253827	Nonsyndro	C3711374	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	163	66	0.3	moderate	1	3
MSRB3	253827	Sensorineu	C0452138	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	117	30	0.2	NA	1	1
MSRB3	253827	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
MSRB3	253827	Forced exp	C0016529	phenotype	NA	Organ or Tissue Function	272	1169	0.1	NA	1	2
MSRB3	253827	Vital capac	C0042834	phenotype	NA	Clinical Attribute	430	746	0.1	NA	1	1
MSRB3	253827	peak expir	C1518922	phenotype	NA	Laboratory Procedure	74	119	0.1	NA	1	1
MSRB3	253827	response t	C3548479	phenotype	NA	Organism Function	131	1106	0.1	NA	1	1
MSRB3	253827	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.02	NA	1	2
MSRB3	253827	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.02	NA	1	2
MSRB3	253827	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.02	NA	1	2
MSRB3	253827	Alzheimer	C0494463	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	385	243	0.02	NA	1	2
MSRB3	253827	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.02	NA	1	2
MSRB3	253827	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
MSRB3	253827	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
MSRB3	253827	Lipoma	C0023798	disease	Neoplasms	Neoplastic Process	87	9	0.01	NA	1	1
MSRB3	253827	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	0	1
MSRB3	253827	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
MSRB3	253827	Cerebrova	C0038454	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1658	591	0.01	NA	1	1
MSRB3	253827	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.01	NA	1	1
MSRB3	253827	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
MSRB3	253827	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	0	1
MSRB3	253827	Infiltrating	C1334281	disease	NA	Neoplastic Process	10	0	0.01	NA	1	1
MSRB3	253827	Lipomatos	C3489413	disease	Neoplasms	Neoplastic Process	54	1	0.01	NA	1	1
MSRB3	253827	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.01	NA	1	1
GRXCR1	389207	DEAFNESS,	C1414017	disease	NA	Disease or Syndrome	1	8	0.7	strong	1	2
GRXCR1	389207	hearing im	C1384666	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	740	337	0.41	strong	1	1
GRXCR1	389207	Nonsyndro	C3711374	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	163	66	0.33	definitive	1	7
GRXCR1	389207	Deafness	C0011053	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Finding	62	37	0.1	NA	NA	0
GRXCR1	389207	Progressive	C1843156	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	78	28	0.1	NA	NA	0
GRXCR1	389207	Dizziness	C0012833	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	64	14	0.01	NA	1	1
GRXCR1	389207	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Disease or Syndrome	783	111	0.01	NA	1	1
GRXCR1	389207	Vertigo	C0042571	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Sign or Symptom	173	35	0.01	NA	1	1
GRXCR1	389207	Circling be	C3668948	phenotype	NA	Mental or Behavioral Dysfunc	14	0	0.01	NA	1	1
AHNAK	79026	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.3	NA	1	1
AHNAK	79026	Liver Cirrh	C0023893	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Experimental Model of Disea	870	0	0.3	NA	1	1
AHNAK	79026	Neoplasm	C0027626	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Pathologic Function	193	0	0.3	NA	1	1
AHNAK	79026	Chloracne	C0263454	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	38	0	0.3	NA	1	1
AHNAK	79026	Conventio	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2346	222	0.3	NA	1	1
AHNAK	79026	Chromoph	C1266042	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	185	2	0.3	NA	1	1

AHNAK	79026	Sarcomato	C1266043	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	134	0	0.3	NA	1	1
AHNAK	79026	Collecting	C1266044	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	162	0	0.3	NA	1	1
AHNAK	79026	Papillary R	C1306837	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	223	3	0.3	NA	1	1
AHNAK	79026	Autoimmu	C0004364	group	Immune System Diseases	Disease or Syndrome	1758	428	0.21	NA	1	1
AHNAK	79026	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.1	NA	1	1
AHNAK	79026	Body mass	C0005893	phenotype	NA	Diagnostic Procedure	88	252	0.1	NA	1	1
AHNAK	79026	Forced exp	C0016529	phenotype	NA	Organ or Tissue Function	272	1169	0.1	NA	1	1
AHNAK	79026	Hair Color	C0018498	phenotype	NA	Organism Attribute	130	312	0.1	NA	1	1
AHNAK	79026	Waist-Hip	C0205682	phenotype	NA	Organism Attribute	565	1138	0.1	NA	1	3
AHNAK	79026	Finding of	C0578022	phenotype	NA	Finding	88	252	0.1	NA	1	1
AHNAK	79026	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.07	NA	1	7
AHNAK	79026	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.06	NA	1	6
AHNAK	79026	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.05	NA	1	5
AHNAK	79026	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.03	NA	1	3
AHNAK	79026	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.03	NA	1	3
AHNAK	79026	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.03	NA	1	3
AHNAK	79026	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.02	NA	1	2
AHNAK	79026	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.01	NA	1	1
AHNAK	79026	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	1	1
AHNAK	79026	Cat-Scratch	C0007361	disease	Infections; Hemic and Lymphatic Diseases	Disease or Syndrome	11	0	0.01	NA	1	1
AHNAK	79026	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
AHNAK	79026	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.01	NA	1	1
AHNAK	79026	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.01	NA	1	1
AHNAK	79026	Liver disea	C0023895	group	Digestive System Diseases	Disease or Syndrome	1019	100	0.01	NA	1	1
AHNAK	79026	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.01	NA	1	1
AHNAK	79026	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.01	NA	1	1
AHNAK	79026	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
AHNAK	79026	Mesotheli	C0025500	disease	Neoplasms	Neoplastic Process	560	4	0.01	NA	1	1
AHNAK	79026	Androgen-	C0039585	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	247	176	0.01	NA	1	1
AHNAK	79026	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
AHNAK	79026	Secondary	C0153676	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1370	20	0.01	NA	1	1
AHNAK	79026	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
AHNAK	79026	Adult Liver	C0220630	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1377	72	0.01	NA	1	1
AHNAK	79026	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
AHNAK	79026	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
AHNAK	79026	Metastatic	C0278883	disease	Neoplasms	Neoplastic Process	504	42	0.01	NA	1	1
AHNAK	79026	Liver and I	C0279000	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1395	73	0.01	NA	1	1
AHNAK	79026	Transitiona	C0279680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	333	158	0.01	NA	1	1
AHNAK	79026	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
AHNAK	79026	Adenocarc	C0281361	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	518	138	0.01	NA	1	1
AHNAK	79026	Mesotheli	C0334515	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	6	0	0.01	NA	1	1
AHNAK	79026	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.01	NA	1	1
AHNAK	79026	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
AHNAK	79026	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
AHNAK	79026	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
AHNAK	79026	Hormone r	C1328504	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	683	29	0.01	NA	1	1
AHNAK	79026	Pancreatic	C1335302	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	970	22	0.01	NA	0	1
AHNAK	79026	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
AHNAK	79026	ANOPHTHA	C1832661	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	1410	80	0.01	NA	1	1
AHNAK	79026	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1

AHNAK	79026	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
AHNAK	79026	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.01	NA	1	1
AHNAK	79026	trachomat	C4290046	disease	NA	Disease or Syndrome	175	7	0.01	NA	1	1
AHNAK	79026	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.01	NA	1	1
ST3GAL5	8869	Amish Infa	C1836824	disease	Nervous System Diseases	Disease or Syndrome	2	10	0.72	NA	1	8
ST3GAL5	8869	Developme	C1836830	disease	Mental Disorders	Disease or Syndrome	333	80	0.4	limited	1	1
ST3GAL5	8869	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.32	limited	1	3
ST3GAL5	8869	Choreoath	C0085583	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	94	9	0.11	NA	1	1
ST3GAL5	8869	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
ST3GAL5	8869	Cerebral P	C0007789	disease	Nervous System Diseases	Disease or Syndrome	241	69	0.1	NA	NA	0
ST3GAL5	8869	Dyskinetic	C0013384	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	316	42	0.1	NA	NA	0
ST3GAL5	8869	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0
ST3GAL5	8869	Sensorineu	C0018784	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	783	111	0.1	NA	NA	0
ST3GAL5	8869	Irritable M	C0022107	phenotype	Behavior and Behavior Mechanisms	Finding	142	1	0.1	NA	NA	0
ST3GAL5	8869	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
ST3GAL5	8869	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	NA	0
ST3GAL5	8869	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.1	NA	NA	0
ST3GAL5	8869	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
ST3GAL5	8869	Optic Atro	C0029124	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	568	51	0.1	NA	NA	0
ST3GAL5	8869	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	429	74	0.1	NA	NA	0
ST3GAL5	8869	Status Epil	C0038220	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	533	12	0.1	NA	NA	0
ST3GAL5	8869	Stereotype	C0038271	disease	Behavior and Behavior Mechanisms	Individual Behavior	135	0	0.1	NA	NA	0
ST3GAL5	8869	Stereotypi	C0038273	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	192	26	0.1	NA	NA	0
ST3GAL5	8869	Tremor	C0040822	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	528	52	0.1	NA	NA	0
ST3GAL5	8869	Vomiting	C0042963	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	303	23	0.1	NA	NA	0
ST3GAL5	8869	Platelet m	C0200665	phenotype	NA	Laboratory Procedure	223	371	0.1	NA	1	1
ST3GAL5	8869	Feeding di	C0232466	phenotype	NA	Finding	473	62	0.1	NA	NA	0
ST3GAL5	8869	Global bra	C0241816	phenotype	NA	Pathologic Function	41	6	0.1	NA	NA	0
ST3GAL5	8869	Quadripare	C0270790	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	42	5	0.1	NA	NA	0
ST3GAL5	8869	Tonic - clo	C0494475	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	300	32	0.1	NA	NA	0
ST3GAL5	8869	Abnormal	C0520966	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	59	4	0.1	NA	NA	0
ST3GAL5	8869	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
ST3GAL5	8869	Leukoaraio	C0948163	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	72	24	0.1	NA	NA	0
ST3GAL5	8869	Poor eye c	C1445953	phenotype	Mental Disorders	Finding	73	6	0.1	NA	NA	0
ST3GAL5	8869	Increased s	C1836440	phenotype	Nutritional and Metabolic Diseases	Finding	169	2	0.1	NA	NA	0
ST3GAL5	8869	Lower limb	C1836696	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	38	6	0.1	NA	NA	0
ST3GAL5	8869	Developme	C1836829	phenotype	NA	Finding	3	2	0.1	NA	NA	0
ST3GAL5	8869	Hyporeflex	C1836835	phenotype	NA	Finding	5	1	0.1	NA	NA	0
ST3GAL5	8869	Gastrointe	C1836923	phenotype	NA	Finding	28	13	0.1	NA	NA	0
ST3GAL5	8869	Hypermela	C1842774	phenotype	NA	Finding	59	2	0.1	NA	NA	0
ST3GAL5	8869	Developme	C1848980	phenotype	NA	Finding	14	2	0.1	NA	NA	0
ST3GAL5	8869	Paroxysma	C1851936	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	5	0	0.1	NA	NA	0
ST3GAL5	8869	Slow decre	C1853141	phenotype	NA	Finding	27	3	0.1	NA	NA	0
ST3GAL5	8869	Progressive	C1854838	phenotype	Mental Disorders	Finding	33	5	0.1	NA	NA	0
ST3GAL5	8869	Absent spe	C1854882	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	232	72	0.1	NA	NA	0
ST3GAL5	8869	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
ST3GAL5	8869	Infantile m	C1860834	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	118	24	0.1	NA	NA	0
ST3GAL5	8869	Bilateral pt	C1865916	phenotype	Eye Diseases	Finding	50	14	0.1	NA	NA	0
ST3GAL5	8869	Paroxysma	C1869117	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	10	5	0.1	NA	NA	0
ST3GAL5	8869	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0

ST3GAL5	8869	Feeding di	C2674608	phenotype	NA	Finding	305	22	0.1	NA	NA	0
ST3GAL5	8869	Irritation -	C2700617	phenotype	Behavior and Behavior Mechanisms	Mental Process	147	14	0.1	NA	NA	0
ST3GAL5	8869	Hyperinter	C2938912	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	15	1	0.1	NA	NA	0
ST3GAL5	8869	Profound i	C3161330	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	112	10	0.1	NA	NA	0
ST3GAL5	8869	Profound g	C3553450	disease	NA	Disease or Syndrome	58	20	0.1	NA	NA	0
ST3GAL5	8869	Unspecifie	C3665346	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases	Sign or Symptom	235	11	0.1	NA	NA	0
ST3GAL5	8869	Visual Imp	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
ST3GAL5	8869	Abnormal	C3665386	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	115	6	0.1	NA	NA	0
ST3GAL5	8869	Myoclonic	C3806442	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	10	2	0.1	NA	NA	0
ST3GAL5	8869	Central vis	C3810365	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	158	1	0.1	NA	NA	0
ST3GAL5	8869	Multifocal	C4021219	phenotype	NA	Finding	52	9	0.1	NA	NA	0
ST3GAL5	8869	Gastroston	C4023342	phenotype	NA	Finding	38	19	0.1	NA	NA	0
ST3GAL5	8869	Depigment	C4024864	disease	NA	Anatomical Abnormality	3	0	0.1	NA	NA	0
ST3GAL5	8869	Hyperpigm	C4024877	phenotype	NA	Finding	5	1	0.1	NA	NA	0
ST3GAL5	8869	Macular hy	C4024885	disease	NA	Anatomical Abnormality	2	1	0.1	NA	NA	0
ST3GAL5	8869	Functional	C4025360	phenotype	NA	Finding	10	1	0.1	NA	NA	0
ST3GAL5	8869	Cortical vis	C4048268	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Pathologic Function	136	27	0.1	NA	NA	0
ST3GAL5	8869	Cerebral co	C4551583	disease	NA	Disease or Syndrome	271	13	0.1	NA	NA	0
ST3GAL5	8869	Irritability,	C4552810	phenotype	NA	Finding	140	0	0.1	NA	NA	0
ST3GAL5	8869	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
ST3GAL5	8869	Arthritis	C0003864	disease	Musculoskeletal Diseases	Disease or Syndrome	1072	69	0.01	NA	1	1
ST3GAL5	8869	Rett Syndr	C0035372	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	234	368	0.01	NA	1	1
ST3GAL5	8869	Spastic Par	C0037773	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	123	41	0.01	NA	1	1
ST3GAL5	8869	Thromboa	C0040021	disease	Cardiovascular Diseases	Disease or Syndrome	127	16	0.01	NA	1	1
ST3GAL5	8869	Niemann-P	C0220756	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	201	33	0.01	NA	1	1
ST3GAL5	8869	Congenital	C0282577	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	102	38	0.01	NA	1	1
ST3GAL5	8869	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.01	NA	1	1
ST3GAL5	8869	Thyroid ass	C0339143	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	211	49	0.01	NA	1	1
ST3GAL5	8869	Hyperlacta	C0795692	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	18	1	0.01	NA	1	1
ST3GAL5	8869	Trichohepa	C1857276	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	424	28	0.01	NA	1	1
ST3GAL5	8869	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
ST3GAL5	8869	Congenital	C4317295	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	19	0	0.01	NA	1	1
PHF6	84295	Borjeson-F	C0265339	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	9	15	1	definitive	1	25
PHF6	84295	Precursor T	C1961099	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	644	23	0.7	limited	0.9	10
PHF6	84295	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.41	strong	1	1
PHF6	84295	Coffin-Siris	C0265338	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	56	6	0.33	NA	1	3
PHF6	84295	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.16	NA	1	6
PHF6	84295	Gynecoma	C0018418	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	121	8	0.11	NA	1	1
PHF6	84295	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.11	NA	1	1
PHF6	84295	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	429	74	0.11	NA	1	1
PHF6	84295	Multiple co	C0000772	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	251	350	0.1	NA	1	6
PHF6	84295	Blepharop	C0005744	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	106	15	0.1	NA	NA	0
PHF6	84295	Blepharop	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
PHF6	84295	Congenital	C0009691	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Congenital Abnormality	105	104	0.1	NA	NA	0
PHF6	84295	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
PHF6	84295	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
PHF6	84295	Atrial Sept	C0018817	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	384	96	0.1	NA	NA	0
PHF6	84295	Hypogonad	C0020619	disease	Endocrine System Diseases	Disease or Syndrome	305	24	0.1	NA	NA	0
PHF6	84295	Kyphosis d	C0022821	phenotype	Musculoskeletal Diseases	Anatomical Abnormality	305	10	0.1	NA	NA	0
PHF6	84295	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.1	NA	1	10

PHF6	84295	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
PHF6	84295	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	1	6
PHF6	84295	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
PHF6	84295	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
PHF6	84295	Delayed Pu	C0034012	phenotype	Endocrine System Diseases	Pathologic Function	196	21	0.1	NA	NA	0
PHF6	84295	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
PHF6	84295	Joint laxity	C0086437	phenotype	Musculoskeletal Diseases	Pathologic Function	224	15	0.1	NA	NA	0
PHF6	84295	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.1	NA	NA	0
PHF6	84295	Electroenc	C0151611	phenotype	Nervous System Diseases	Finding	227	27	0.1	NA	NA	0
PHF6	84295	Macrotia	C0152421	disease	NA	Congenital Abnormality	188	18	0.1	NA	NA	0
PHF6	84295	Macrocepl	C0221355	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	367	10	0.1	NA	NA	0
PHF6	84295	Small testi	C0241355	phenotype	NA	Finding	129	0	0.1	NA	NA	0
PHF6	84295	Congenital	C0266435	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	237	0	0.1	NA	NA	0
PHF6	84295	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
PHF6	84295	Sunken eye	C0423224	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	171	54	0.1	NA	NA	0
PHF6	84295	Tapering fi	C0426886	phenotype	NA	Finding	91	19	0.1	NA	NA	0
PHF6	84295	Hypoplasia	C0431659	phenotype	NA	Congenital Abnormality	57	3	0.1	NA	NA	0
PHF6	84295	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.1	NA	1	6
PHF6	84295	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
PHF6	84295	Skeletal m	C0541794	phenotype	NA	Pathologic Function	306	12	0.1	NA	NA	0
PHF6	84295	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
PHF6	84295	hearing im	C1384666	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Disease or Syndrome	740	337	0.1	NA	NA	0
PHF6	84295	Penis agen	C1387005	disease	Male Urogenital Diseases	Congenital Abnormality	217	11	0.1	NA	NA	0
PHF6	84295	Penile hyp	C1691215	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	127	83	0.1	NA	NA	0
PHF6	84295	Short toe	C1836195	phenotype	NA	Finding	56	3	0.1	NA	NA	0
PHF6	84295	Cleft palat	C1837218	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	295	70	0.1	NA	NA	0
PHF6	84295	Sparse hair	C1837770	phenotype	NA	Finding	112	9	0.1	NA	NA	0
PHF6	84295	Prominent	C1842060	phenotype	NA	Finding	41	10	0.1	NA	NA	0
PHF6	84295	Large earlo	C1844573	phenotype	NA	Finding	18	2	0.1	NA	NA	0
PHF6	84295	Hypoplasia	C1844923	phenotype	NA	Finding	1	0	0.1	NA	NA	0
PHF6	84295	Cervical sp	C1844925	phenotype	NA	Finding	6	2	0.1	NA	NA	0
PHF6	84295	Scheuerma	C1844926	phenotype	Musculoskeletal Diseases	Finding	1	0	0.1	NA	NA	0
PHF6	84295	Coarse faci	C1845847	phenotype	Pathological Conditions, Signs and Symptoms	Finding	194	33	0.1	NA	NA	0
PHF6	84295	X- linked re	C1845977	phenotype	NA	Finding	172	1	0.1	NA	NA	0
PHF6	84295	Thick eyeb	C1853487	phenotype	NA	Finding	104	13	0.1	NA	NA	0
PHF6	84295	Shortening	C1856912	phenotype	NA	Finding	7	0	0.1	NA	NA	0
PHF6	84295	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
PHF6	84295	Thickened	C1858452	phenotype	NA	Finding	27	0	0.1	NA	NA	0
PHF6	84295	Broad foot	C1866241	phenotype	Musculoskeletal Diseases	Finding	30	0	0.1	NA	NA	0
PHF6	84295	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
PHF6	84295	Widely spa	C1969238	phenotype	NA	Finding	3	0	0.1	NA	NA	0
PHF6	84295	Feeding dif	C2674608	phenotype	NA	Finding	305	22	0.1	NA	NA	0
PHF6	84295	Narrow pa	C2675021	phenotype	NA	Finding	34	3	0.1	NA	NA	0
PHF6	84295	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
PHF6	84295	Joint hyper	C3553764	phenotype	NA	Finding	181	12	0.1	NA	NA	0
PHF6	84295	Visual Imp	C3665347	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	422	0	0.1	NA	NA	0
PHF6	84295	Mild globa	C4012968	phenotype	NA	Finding	36	13	0.1	NA	NA	0
PHF6	84295	Short mido	C4021004	phenotype	NA	Anatomical Abnormality	1	1	0.1	NA	NA	0
PHF6	84295	Shortening	C4021608	phenotype	NA	Finding	40	0	0.1	NA	NA	0
PHF6	84295	Abnormali	C4021735	disease	NA	Anatomical Abnormality	40	3	0.1	NA	NA	0

PHF6	84295	Camptoda	C4021774	disease	NA	Anatomical Abnormality	9	1	0.1	NA	NA	0
PHF6	84295	Oral cleft	C4021813	disease	NA	Congenital Abnormality	85	28	0.1	NA	NA	0
PHF6	84295	Truncal ob	C4551560	phenotype	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Finding	38	4	0.1	NA	NA	0
PHF6	84295	2-3 toe syn	C4551570	disease	NA	Congenital Abnormality	85	16	0.1	NA	NA	0
PHF6	84295	Talipes tra	C4551838	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	30	0	0.1	NA	NA	0
PHF6	84295	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
PHF6	84295	Peripheral	C4721453	group	Nervous System Diseases	Disease or Syndrome	549	69	0.1	NA	NA	0
PHF6	84295	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.07	NA	1	7
PHF6	84295	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.05	NA	1	5
PHF6	84295	Childhood	C1332977	disease	Neoplasms	Neoplastic Process	1740	140	0.05	NA	1	5
PHF6	84295	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.04	NA	1	4
PHF6	84295	Hematopo	C0376544	group	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	322	2	0.03	NA	1	3
PHF6	84295	Mental Re	C1136249	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	141	13	0.03	NA	1	3
PHF6	84295	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.03	NA	1	3
PHF6	84295	MYELODYS	C3463824	group	Hemic and Lymphatic Diseases	Neoplastic Process	1033	95	0.03	NA	1	3
PHF6	84295	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.02	NA	1	2
PHF6	84295	Hematolog	C0376545	group	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	827	60	0.02	NA	1	2
PHF6	84295	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.02	NA	1	2
PHF6	84295	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
PHF6	84295	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.01	NA	1	1
PHF6	84295	Amyloidos	C0002726	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	694	93	0.01	NA	1	1
PHF6	84295	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
PHF6	84295	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.01	NA	1	1
PHF6	84295	Esophagea	C0014859	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1254	270	0.01	NA	1	1
PHF6	84295	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
PHF6	84295	Acute mon	C0023465	disease	Neoplasms	Neoplastic Process	633	22	0.01	NA	1	1
PHF6	84295	Precursor I	C0023485	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	145	21	0.01	NA	1	1
PHF6	84295	Marinesco	C0024814	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	133	8	0.01	NA	1	1
PHF6	84295	Myelodysp	C0026985	disease	NA	Congenital Abnormality	181	4	0.01	NA	1	1
PHF6	84295	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
PHF6	84295	T-Cell Lym	C0079772	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	485	24	0.01	NA	1	1
PHF6	84295	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
PHF6	84295	Adult Acut	C0220615	disease	Neoplasms	Neoplastic Process	160	3	0.01	NA	1	1
PHF6	84295	Fibrillation	C0232197	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	118	8	0.01	NA	1	1
PHF6	84295	Clinodacty	C0265610	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	160	7	0.01	NA	1	1
PHF6	84295	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
PHF6	84295	Childhood	C0279583	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	119	2	0.01	NA	1	1
PHF6	84295	Childhood	C0279646	disease	Neoplasms	Neoplastic Process	70	0	0.01	NA	1	1
PHF6	84295	Acute Und	C0280141	disease	NA	Neoplastic Process	119	1	0.01	NA	1	1
PHF6	84295	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
PHF6	84295	Adult Acut	C0280634	disease	Neoplasms	Neoplastic Process	70	0	0.01	NA	1	1
PHF6	84295	Acute mye	C0522631	disease	Neoplasms	Neoplastic Process	33	0	0.01	NA	1	1
PHF6	84295	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
PHF6	84295	Leukemog	C0598766	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	996	25	0.01	NA	1	1
PHF6	84295	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
PHF6	84295	Tauopathie	C0949664	group	Nervous System Diseases	Disease or Syndrome	245	43	0.01	NA	1	1
PHF6	84295	Precursor I	C1292769	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	478	23	0.01	NA	1	1
PHF6	84295	Mental har	C1306341	disease	NA	Mental or Behavioral Dysfunc	26	1	0.01	NA	1	1
PHF6	84295	M5b Acute	C1318544	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	122	0	0.01	NA	1	1
PHF6	84295	Neurodeve	C1535926	group	Mental Disorders	Mental or Behavioral Dysfunc	535	14	0.01	NA	1	1

PHF6	84295	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.01	NA	1	1
PHF6	84295	Myeloid ne	C2939461	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	62	5	0.01	NA	1	1
PHF6	84295	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
PHF6	84295	Clinodacty	C4551485	disease	NA	Congenital Abnormality	148	18	0.01	NA	1	1
USP7	7874	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.34	NA	1	5
USP7	7874	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.31	NA	1	2
USP7	7874	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.31	NA	1	2
USP7	7874	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.3	NA	1	1
USP7	7874	CHROMOS	C4225667	disease	NA	Disease or Syndrome	1	0	0.3	NA	1	1
USP7	7874	Anxiety	C0003467	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1048	287	0.1	NA	NA	0
USP7	7874	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
USP7	7874	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.1	NA	1	10
USP7	7874	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	0.958	24
USP7	7874	Constipatic	C0009806	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	424	57	0.1	NA	NA	0
USP7	7874	Fecal Incor	C0015732	disease	Digestive System Diseases	Disease or Syndrome	60	12	0.1	NA	NA	0
USP7	7874	Hypesthes	C0020580	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	33	6	0.1	NA	NA	0
USP7	7874	White Bloo	C0023508	phenotype	NA	Laboratory Procedure	681	1322	0.1	NA	1	1
USP7	7874	Mild Ment	C0026106	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	340	56	0.1	NA	NA	0
USP7	7874	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.1	NA	NA	0
USP7	7874	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	15
USP7	7874	Platelet Co	C0032181	phenotype	NA	Laboratory Procedure	265	457	0.1	NA	1	1
USP7	7874	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
USP7	7874	Sleep Apne	C0037315	disease	Respiratory Tract Diseases; Nervous System Diseases	Disease or Syndrome	148	18	0.1	NA	NA	0
USP7	7874	Sleep distu	C0037317	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	311	74	0.1	NA	NA	0
USP7	7874	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
USP7	7874	Urinary Inc	C0042024	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Pathologic Function	151	14	0.1	NA	NA	0
USP7	7874	Vesico-Ure	C0042580	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	187	23	0.1	NA	NA	0
USP7	7874	Hyperpigm	C0162834	phenotype	Skin and Connective Tissue Diseases	Pathologic Function	73	11	0.1	NA	NA	0
USP7	7874	Eosinophil	C0200638	phenotype	NA	Laboratory Procedure	610	1144	0.1	NA	1	1
USP7	7874	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.1	NA	NA	0
USP7	7874	Reduced fe	C0235659	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Finding	169	17	0.1	NA	NA	0
USP7	7874	Recurrent	C0262655	disease	Female Urogenital Diseases and Pregnancy Complications; Infections; Ma	Disease or Syndrome	237	21	0.1	NA	NA	0
USP7	7874	Macrodont	C0266036	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	12	1	0.1	NA	NA	0
USP7	7874	Complex p	C0270834	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	41	10	0.1	NA	NA	0
USP7	7874	Expressive	C0454641	phenotype	NA	Disease or Syndrome	30	25	0.1	NA	NA	0
USP7	7874	Abnormal	C0549629	phenotype	NA	Pathologic Function	32	37	0.1	NA	NA	0
USP7	7874	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.1	NA	1	12
USP7	7874	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.1	NA	1	10
USP7	7874	Abnormal	C0852413	phenotype	Nervous System Diseases	Finding	14	7	0.1	NA	NA	0
USP7	7874	Overriding	C0920299	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	47	13	0.1	NA	NA	0
USP7	7874	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	0.958	24
USP7	7874	Easy fatiga	C1837098	phenotype	NA	Finding	74	5	0.1	NA	NA	0
USP7	7874	Gross mot	C1837658	disease	Mental Disorders	Disease or Syndrome	118	59	0.1	NA	NA	0
USP7	7874	Short fourt	C1848514	phenotype	NA	Finding	8	2	0.1	NA	NA	0
USP7	7874	Platelet Co	C3828530	phenotype	NA	Laboratory Procedure	134	200	0.1	NA	1	1
USP7	7874	Optic Neur	C3887709	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	54	8	0.1	NA	NA	0
USP7	7874	EEG with g	C4021217	phenotype	NA	Finding	8	6	0.1	NA	NA	0
USP7	7874	Multifocal	C4021219	phenotype	NA	Finding	52	9	0.1	NA	NA	0
USP7	7874	Short fifth	C4021649	disease	NA	Anatomical Abnormality	4	1	0.1	NA	NA	0
USP7	7874	Short third	C4021650	phenotype	NA	Anatomical Abnormality	3	2	0.1	NA	NA	0

USP7	7874	Hyperexte	C4023802	phenotype	NA	Anatomical Abnormality	4	3	0.1	NA	NA	0
USP7	7874	Few cafe-a	C4024881	phenotype	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Finding	3	2	0.1	NA	NA	0
USP7	7874	Autonomic	C4025212	disease	Nervous System Diseases	Disease or Syndrome	5	1	0.1	NA	NA	0
USP7	7874	Secondary	C4072904	phenotype	NA	Finding	13	13	0.1	NA	NA	0
USP7	7874	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.06	NA	1	6
USP7	7874	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.05	NA	1	5
USP7	7874	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.05	NA	1	5
USP7	7874	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.04	NA	1	4
USP7	7874	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.04	NA	1	4
USP7	7874	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.04	NA	1	4
USP7	7874	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.04	NA	1	4
USP7	7874	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.04	NA	1	4
USP7	7874	Choriocarc	C0008497	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	431	2	0.03	NA	1	3
USP7	7874	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.03	NA	1	3
USP7	7874	Herpes NO	C0019340	disease	Infections	Disease or Syndrome	114	5	0.03	NA	1	3
USP7	7874	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases; C	Neoplastic Process	1740	865	0.03	NA	1	3
USP7	7874	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.03	NA	1	3
USP7	7874	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.02	NA	1	2
USP7	7874	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.02	NA	1	2
USP7	7874	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.02	NA	1	2
USP7	7874	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.02	NA	1	2
USP7	7874	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.02	NA	1	2
USP7	7874	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.02	NA	1	2
USP7	7874	Kaposi Sar	C0036220	disease	Neoplasms; Infections	Neoplastic Process	488	15	0.02	NA	1	2
USP7	7874	Virus Disea	C0042769	group	Infections	Disease or Syndrome	1471	42	0.02	NA	1	2
USP7	7874	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.02	NA	1	2
USP7	7874	Malignant	C0546837	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1286	214	0.02	NA	1	2
USP7	7874	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.02	NA	1	2
USP7	7874	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.02	NA	1	2
USP7	7874	Primary Ef	C1292753	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	169	0	0.02	NA	1	2
USP7	7874	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.02	NA	1	2
USP7	7874	Autism Spe	C1510586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1071	331	0.02	NA	1	2
USP7	7874	Neurodeve	C1535926	group	Mental Disorders	Mental or Behavioral Dysfunc	535	14	0.02	NA	1	2
USP7	7874	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.02	NA	1	2
USP7	7874	Precursor T	C1961099	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	644	23	0.02	NA	1	2
USP7	7874	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.02	NA	1	2
USP7	7874	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.02	NA	1	2
USP7	7874	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
USP7	7874	Cockayne S	C0009207	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	85	11	0.01	NA	1	1
USP7	7874	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.01	NA	1	1
USP7	7874	Confusion	C0009676	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	75	5	0.01	NA	1	1
USP7	7874	Down Synd	C0013080	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	766	80	0.01	NA	1	1
USP7	7874	Esophagea	C0014859	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1254	270	0.01	NA	1	1
USP7	7874	Friedreich	C0016719	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	88	11	0.01	NA	1	1
USP7	7874	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.01	NA	1	1
USP7	7874	Herpes Sim	C0019348	group	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	645	11	0.01	NA	1	1
USP7	7874	Herpesviric	C0019372	group	Infections	Disease or Syndrome	62	3	0.01	NA	1	1
USP7	7874	Hypogonad	C0020619	disease	Endocrine System Diseases	Disease or Syndrome	305	24	0.01	NA	1	1
USP7	7874	Immune Sy	C0021053	group	Immune System Diseases	Disease or Syndrome	451	116	0.01	NA	1	1
USP7	7874	Acute lymp	C0023449	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1293	222	0.01	NA	1	1

USP7	7874	Childhood	C0023452	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1096	261	0.01	NA	1	1
USP7	7874	Myeloid Le	C0023473	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	1172	115	0.01	NA	1	1
USP7	7874	Leukemia,	C0023492	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	457	10	0.01	NA	1	1
USP7	7874	Leukoence	C0023524	disease	Infections; Nervous System Diseases	Disease or Syndrome	240	4	0.01	NA	1	1
USP7	7874	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.01	NA	1	1
USP7	7874	Mycetoma	C0024449	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	19	0	0.01	NA	1	1
USP7	7874	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.01	NA	1	1
USP7	7874	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
USP7	7874	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1
USP7	7874	Adenomat	C0032580	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Neoplastic Process	609	237	0.01	NA	1	1
USP7	7874	Atrial Prem	C0033036	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	183	21	0.01	NA	1	1
USP7	7874	Tinea	C0040247	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	21	3	0.01	NA	1	1
USP7	7874	Xeroderma	C0043346	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Congenital Abnormality	137	35	0.01	NA	1	1
USP7	7874	Squamous	C0149782	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	670	283	0.01	NA	1	1
USP7	7874	Esophagea	C0152018	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1287	272	0.01	NA	1	1
USP7	7874	Hepatobla	C0206624	disease	Neoplasms	Neoplastic Process	452	22	0.01	NA	1	1
USP7	7874	Carcinoma	C0206704	disease	Neoplasms	Neoplastic Process	90	6	0.01	NA	1	1
USP7	7874	Disorientat	C0233407	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Sign or Symptom	12	0	0.01	NA	1	1
USP7	7874	Speech De	C0241210	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	58	11	0.01	NA	1	1
USP7	7874	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.01	NA	1	1
USP7	7874	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.01	NA	1	1
USP7	7874	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.01	NA	1	1
USP7	7874	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.01	NA	1	1
USP7	7874	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.01	NA	1	1
USP7	7874	Hemorrhag	C0282687	disease	Infections	Disease or Syndrome	164	1	0.01	NA	1	1
USP7	7874	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.01	NA	1	1
USP7	7874	Hematolog	C0376545	group	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	827	60	0.01	NA	1	1
USP7	7874	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.01	NA	1	1
USP7	7874	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.01	NA	1	1
USP7	7874	Pervasive I	C0524528	group	Mental Disorders	Mental or Behavioral Dysfunc	328	49	0.01	NA	1	1
USP7	7874	Deciduoma	C0524541	disease	NA	Neoplastic Process	4	0	0.01	NA	1	1
USP7	7874	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.01	NA	1	1
USP7	7874	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.01	NA	1	1
USP7	7874	Epithelial c	C0677886	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	1224	129	0.01	NA	1	1
USP7	7874	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2104	309	0.01	NA	1	1
USP7	7874	early pregr	C0747845	phenotype	NA	Disease or Syndrome	273	8	0.01	NA	1	1
USP7	7874	Cockayne S	C0751038	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	34	69	0.01	NA	1	1
USP7	7874	Genitourin	C0751569	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	60	1	0.01	NA	1	1
USP7	7874	Adult Acut	C0751606	disease	NA	Neoplastic Process	860	154	0.01	NA	1	1
USP7	7874	Malignant	C0812413	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	421	15	0.01	NA	1	1
USP7	7874	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
USP7	7874	Inflammat	C1290884	group	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	391	8	0.01	NA	1	1
USP7	7874	Hormone r	C1328504	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	683	29	0.01	NA	1	1
USP7	7874	Childhood	C1332977	disease	Neoplasms	Neoplastic Process	1740	140	0.01	NA	1	1
USP7	7874	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.01	NA	1	1
USP7	7874	Multi-cent	C1334815	disease	Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	29	0	0.01	NA	1	1
USP7	7874	Hepatocar	C1512409	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	855	24	0.01	NA	1	1
USP7	7874	Tumor Imr	C1519680	phenotype	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	337	2	0.01	NA	1	1
USP7	7874	UV-Sensitiv	C1833561	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	15	0	0.01	NA	1	1
USP7	7874	CRANIOSYI	C1858160	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	23	1	0.01	NA	1	1

USP7	7874	HIV-1 infec	C2363741	disease	NA	Disease or Syndrome	695	94	0.01	NA	1	1
USP7	7874	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.01	NA	1	1
USP7	7874	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.01	NA	1	1
USP7	7874	MIXED LIN	C3888194	disease	NA	Neoplastic Process	240	2	0.01	NA	1	1
USP7	7874	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.01	NA	1	1
USP7	7874	Complete T	C4521042	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	669	77	0.01	NA	1	1
USP7	7874	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
NCCRP1	342897	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
NCCRP1	342897	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
SZT2	23334	EPILEPTIC	C3809624	disease	NA	Disease or Syndrome	1	4	0.7	limited	1	2
SZT2	23334	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.42	limited	1	3
SZT2	23334	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.32	limited	1	3
SZT2	23334	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.17	NA	1	7
SZT2	23334	Epileptic e	C0543888	disease	Nervous System Diseases	Disease or Syndrome	187	126	0.16	NA	1	6
SZT2	23334	Encephalo	C0085584	group	Nervous System Diseases	Disease or Syndrome	457	64	0.14	NA	1	4
SZT2	23334	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.14	NA	1	4
SZT2	23334	Status Epil	C0038220	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	533	12	0.11	NA	1	1
SZT2	23334	Developme	C1836830	disease	Mental Disorders	Disease or Syndrome	333	80	0.11	NA	1	1
SZT2	23334	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.1	NA	1	1
SZT2	23334	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
SZT2	23334	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.1	NA	NA	0
SZT2	23334	Blepharopt	C0005745	disease	Eye Diseases	Disease or Syndrome	595	57	0.1	NA	NA	0
SZT2	23334	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.1	NA	NA	0
SZT2	23334	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
SZT2	23334	Dyskinetic	C0013384	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	316	42	0.1	NA	NA	0
SZT2	23334	Failure to T	C0015544	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	842	10	0.1	NA	NA	0
SZT2	23334	Gastroesop	C0017168	disease	Digestive System Diseases	Disease or Syndrome	446	52	0.1	NA	NA	0
SZT2	23334	Hypodonti	C0020608	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Congenital Abnormality	218	48	0.1	NA	NA	0
SZT2	23334	Impulsive B	C0021125	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	276	69	0.1	NA	NA	0
SZT2	23334	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.1	NA	NA	0
SZT2	23334	Muscle Rig	C0026837	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	320	25	0.1	NA	NA	0
SZT2	23334	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	580	48	0.1	NA	NA	0
SZT2	23334	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.1	NA	NA	0
SZT2	23334	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
SZT2	23334	Optic Atro	C0029124	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	568	51	0.1	NA	NA	0
SZT2	23334	Ptosis	C0033377	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	607	12	0.1	NA	NA	0
SZT2	23334	Retinal Deg	C0035304	phenotype	Eye Diseases	Pathologic Function	125	2	0.1	NA	NA	0
SZT2	23334	Tremor	C0040822	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	528	52	0.1	NA	NA	0
SZT2	23334	Electroenc	C0151611	phenotype	Nervous System Diseases	Finding	227	27	0.1	NA	NA	0
SZT2	23334	Hyporeflex	C0151888	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	312	0	0.1	NA	NA	0
SZT2	23334	Gait, Unste	C0231686	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	143	14	0.1	NA	NA	0
SZT2	23334	Feeding dif	C0232466	phenotype	NA	Finding	473	62	0.1	NA	NA	0
SZT2	23334	Mental def	C0234985	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	508	121	0.1	NA	NA	0
SZT2	23334	Reduced fe	C0235659	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Finding	169	17	0.1	NA	NA	0
SZT2	23334	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
SZT2	23334	High foreh	C0239676	phenotype	NA	Finding	211	17	0.1	NA	NA	0
SZT2	23334	Difficulty w	C0311394	phenotype	Pathological Conditions, Signs and Symptoms	Finding	224	30	0.1	NA	NA	0
SZT2	23334	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
SZT2	23334	Epilepsy, R	C0376532	disease	Nervous System Diseases	Disease or Syndrome	46	81	0.1	NA	1	1
SZT2	23334	Downward	C0423110	phenotype	NA	Finding	391	49	0.1	NA	NA	0

SZT2	23334	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
SZT2	23334	Hypsarrhyt	C0684276	phenotype	Nervous System Diseases	Finding	152	7	0.1	NA	NA	0
SZT2	23334	Seizures, F	C0751495	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	210	15	0.1	NA	NA	0
SZT2	23334	Systolic Pre	C0871470	phenotype	NA	Clinical Attribute	843	1931	0.1	NA	1	2
SZT2	23334	Leukoaraio	C0948163	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	72	24	0.1	NA	NA	0
SZT2	23334	Attention d	C1263846	disease	Mental Disorders	Mental or Behavioral Dysfunc	842	420	0.1	NA	NA	0
SZT2	23334	Thick corpu	C1835194	phenotype	NA	Finding	4	1	0.1	NA	NA	0
SZT2	23334	Poor head	C1836038	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Finding	162	13	0.1	NA	NA	0
SZT2	23334	Limb hype	C1838391	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	77	12	0.1	NA	NA	0
SZT2	23334	Central hyp	C1842364	phenotype	NA	Finding	50	25	0.1	NA	NA	0
SZT2	23334	Abnormal	C1842581	phenotype	Pathological Conditions, Signs and Symptoms	Finding	70	10	0.1	NA	NA	0
SZT2	23334	Abnormal	C1857704	phenotype	NA	Finding	49	1	0.1	NA	NA	0
SZT2	23334	Deep plant	C1857953	phenotype	NA	Finding	19	6	0.1	NA	NA	0
SZT2	23334	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
SZT2	23334	Highly arch	C1868571	phenotype	NA	Finding	141	14	0.1	NA	NA	0
SZT2	23334	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
SZT2	23334	Large head	C2243051	phenotype	NA	Finding	64	116	0.1	NA	NA	0
SZT2	23334	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
SZT2	23334	EEG with n	C4023687	phenotype	NA	Finding	41	2	0.1	NA	NA	0
SZT2	23334	Abnormali	C4025846	disease	NA	Finding	127	8	0.1	NA	NA	0
SZT2	23334	Abnormali	C4025875	phenotype	NA	Anatomical Abnormality	2	3	0.1	NA	NA	0
SZT2	23334	Absence Se	C4316903	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	205	8	0.1	NA	NA	0
SZT2	23334	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
SZT2	23334	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
SZT2	23334	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.04	NA	1	4
SZT2	23334	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.01	NA	1	1
SZT2	23334	Mild Ment	C0026106	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	340	56	0.01	NA	1	1
SZT2	23334	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	429	74	0.01	NA	1	1
SZT2	23334	Macrocepl	C0221355	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	367	10	0.01	NA	1	1
SZT2	23334	Leukoence	C0270612	group	Nervous System Diseases	Disease or Syndrome	189	17	0.01	NA	1	1
SZT2	23334	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.01	NA	1	1
MPHOSPH	10200	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
MPHOSPH	10200	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.1	NA	1	26
MPHOSPH	10200	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.09	NA	1	9
MPHOSPH	10200	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.09	NA	1	9
MPHOSPH	10200	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.09	NA	1	9
MPHOSPH	10200	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.05	NA	1	5
MPHOSPH	10200	Parkinsoni	C0242422	group	Nervous System Diseases	Disease or Syndrome	373	95	0.03	NA	1	3
MPHOSPH	10200	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.02	NA	1	2
MPHOSPH	10200	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.01	NA	1	1
MPHOSPH	10200	Coronary A	C0010054	disease	Cardiovascular Diseases	Disease or Syndrome	1282	440	0.01	NA	1	1
MPHOSPH	10200	Coronary h	C0010068	disease	Cardiovascular Diseases	Disease or Syndrome	1576	1178	0.01	NA	1	1
MPHOSPH	10200	Coughing	C0010200	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases	Sign or Symptom	235	16	0.01	NA	1	1
MPHOSPH	10200	Diarrhea	C0011991	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	632	63	0.01	NA	1	1
MPHOSPH	10200	Mesotheli	C0025500	disease	Neoplasms	Neoplastic Process	560	4	0.01	NA	1	1
MPHOSPH	10200	nervous sy	C0027765	group	Nervous System Diseases	Disease or Syndrome	977	39	0.01	NA	1	1
MPHOSPH	10200	Mycoplasn	C0032302	disease	Infections; Respiratory Tract Diseases	Disease or Syndrome	43	2	0.01	NA	1	1
MPHOSPH	10200	Septicemia	C0036690	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1285	141	0.01	NA	1	1
MPHOSPH	10200	Memory in	C0233794	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	763	48	0.01	NA	1	1
MPHOSPH	10200	Sepsis	C0243026	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1453	144	0.01	NA	1	1

MPHOSPH	10200	Familial Te	C0342549	disease	Endocrine System Diseases	Disease or Syndrome	20	17	0.01	NA	1	1
MPHOSPH	10200	Pseudopre	C0854258	disease	NA	Disease or Syndrome	4	1	0.01	NA	1	1
MPHOSPH	10200	Enzyme inl	C0877008	phenotype	NA	Disease or Syndrome	171	1	0.01	NA	1	1
MPHOSPH	10200	Tauopathie	C0949664	group	Nervous System Diseases	Disease or Syndrome	245	43	0.01	NA	1	1
MPHOSPH	10200	Coronary A	C1956346	disease	Cardiovascular Diseases	Disease or Syndrome	1708	1577	0.01	NA	1	1
TIPIN	54962	Testicular (	C1336708	disease	Neoplasms; Male Urogenital Diseases; Endocrine System Diseases	Neoplastic Process	208	93	0.1	NA	1	1
TIPIN	54962	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.02	NA	1	2
TIPIN	54962	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
TIPIN	54962	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
TIPIN	54962	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.01	NA	1	1
TIPIN	54962	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.01	NA	1	1
TIPIN	54962	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.01	NA	1	1
TIPIN	54962	PATENT DU	C4282128	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	229	12	0.01	NA	1	1
TIPIN	54962	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.01	NA	1	1
GSPT1	2935	Age at mer	C1629609	phenotype	NA	Finding	129	209	0.1	NA	1	1
GSPT1	2935	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.05	NA	1	5
GSPT1	2935	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.05	NA	1	5
GSPT1	2935	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.04	NA	1	4
GSPT1	2935	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.04	NA	1	4
GSPT1	2935	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.02	NA	1	2
GSPT1	2935	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.02	NA	1	2
GSPT1	2935	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.02	NA	1	2
GSPT1	2935	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
GSPT1	2935	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.02	NA	1	2
GSPT1	2935	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.02	NA	1	2
GSPT1	2935	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.02	NA	1	2
GSPT1	2935	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	1	1
GSPT1	2935	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.01	NA	1	1
GSPT1	2935	Bronchoge	C0007121	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	47	1	0.01	NA	1	1
GSPT1	2935	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
GSPT1	2935	Hepatitis	C0019158	group	Digestive System Diseases	Disease or Syndrome	656	42	0.01	NA	1	1
GSPT1	2935	Hepatitis A	C0019159	disease	Digestive System Diseases; Infections	Disease or Syndrome	451	27	0.01	NA	1	1
GSPT1	2935	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.01	NA	1	1
GSPT1	2935	Myeloid Le	C0023473	disease	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	1172	115	0.01	NA	1	1
GSPT1	2935	Liver disea	C0023895	group	Digestive System Diseases	Disease or Syndrome	1019	100	0.01	NA	1	1
GSPT1	2935	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
GSPT1	2935	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	0	1
GSPT1	2935	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
GSPT1	2935	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.01	NA	1	1
GSPT1	2935	Stomach N	C0038356	group	Digestive System Diseases; Neoplasms	Neoplastic Process	820	55	0.01	NA	1	1
GSPT1	2935	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.01	NA	1	1
GSPT1	2935	Squamous	C0149782	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	670	283	0.01	NA	1	1
GSPT1	2935	Bilateral ca	C0521707	disease	Eye Diseases	Disease or Syndrome	166	37	0.01	NA	1	1
GSPT1	2935	Testicular (	C1336708	disease	Neoplasms; Male Urogenital Diseases; Endocrine System Diseases	Neoplastic Process	208	93	0.01	NA	1	1
CAMK2N2	94032	Allergic ast	C0155877	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	371	55	0.01	NA	1	1
CAMK2N2	94032	Mood Disc	C0525045	group	Mental Disorders	Mental or Behavioral Dysfunc	580	308	0.01	NA	1	1
RSL1D1	26156	Adolescent	C0410702	disease	Musculoskeletal Diseases	Anatomical Abnormality	656	1178	0.1	NA	1	1
RSL1D1	26156	SCOLIOSIS,	C1837461	disease	NA	Finding	578	1158	0.1	NA	1	1
RSL1D1	26156	Brucellosis	C0006309	disease	Infections	Disease or Syndrome	92	30	0.01	NA	1	1
RSL1D1	26156	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1

RSL1D1	26156	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
RSL1D1	26156	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
RSL1D1	26156	Primary m	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
RSL1D1	26156	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
IRF2BPL	64207	NEURODEV	C4748127	disease	NA	Disease or Syndrome	1	7	0.6	strong	1	3
IRF2BPL	64207	Atrial Fibri	C0004238	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	939	584	0.3	NA	1	1
IRF2BPL	64207	Paroxysma	C0235480	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	226	8	0.3	NA	1	1
IRF2BPL	64207	Persistent	C2585653	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Pathologic Function	156	0	0.3	NA	1	1
IRF2BPL	64207	familial atr	C3468561	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Pathologic Function	157	1	0.3	NA	1	1
IRF2BPL	64207	Multiple co	C0000772	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	251	350	0.1	NA	1	5
IRF2BPL	64207	Cerebellar	C0007758	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	441	120	0.1	NA	NA	0
IRF2BPL	64207	Cerebral Pa	C0007789	disease	Nervous System Diseases	Disease or Syndrome	241	69	0.1	NA	NA	0
IRF2BPL	64207	Constipatio	C0009806	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	424	57	0.1	NA	NA	0
IRF2BPL	64207	Deglutition	C0011168	group	Digestive System Diseases; Otorhinolaryngologic Diseases	Disease or Syndrome	389	50	0.1	NA	NA	0
IRF2BPL	64207	Drooling	C0013132	phenotype	Stomatognathic Diseases	Finding	95	14	0.1	NA	NA	0
IRF2BPL	64207	Dysarthria	C0013362	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	487	54	0.1	NA	NA	0
IRF2BPL	64207	Dystonia	C0013421	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	453	97	0.1	NA	NA	0
IRF2BPL	64207	Esotropia	C0014877	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	121	39	0.1	NA	NA	0
IRF2BPL	64207	Exotropia	C0015310	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	78	23	0.1	NA	NA	0
IRF2BPL	64207	Fecal Incor	C0015732	disease	Digestive System Diseases	Disease or Syndrome	60	12	0.1	NA	NA	0
IRF2BPL	64207	Hemipares	C0018989	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	91	6	0.1	NA	NA	0
IRF2BPL	64207	Hyperphag	C0020505	phenotype	Pathological Conditions, Signs and Symptoms	Finding	60	3	0.1	NA	NA	0
IRF2BPL	64207	Hypertrich	C0020555	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	92	27	0.1	NA	NA	0
IRF2BPL	64207	Hypotensio	C0020649	phenotype	Cardiovascular Diseases	Finding	125	2	0.1	NA	NA	0
IRF2BPL	64207	Micrognat	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
IRF2BPL	64207	Muscle Hy	C0026826	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	197	21	0.1	NA	NA	0
IRF2BPL	64207	Muscle hyp	C0026827	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	967	579	0.1	NA	1	5
IRF2BPL	64207	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	580	48	0.1	NA	NA	0
IRF2BPL	64207	Myopathy	C0026848	group	Musculoskeletal Diseases; Nervous System Diseases	Disease or Syndrome	634	166	0.1	NA	NA	0
IRF2BPL	64207	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.1	NA	NA	0
IRF2BPL	64207	Myopia	C0027092	disease	Eye Diseases	Disease or Syndrome	490	167	0.1	NA	NA	0
IRF2BPL	64207	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
IRF2BPL	64207	Ophthalmo	C0029089	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Sign or Symptom	216	12	0.1	NA	NA	0
IRF2BPL	64207	Quadripleg	C0034372	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	57	3	0.1	NA	NA	0
IRF2BPL	64207	Babinski Re	C0034935	phenotype	NA	Finding	218	11	0.1	NA	NA	0
IRF2BPL	64207	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
IRF2BPL	64207	Sleep distu	C0037317	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	311	74	0.1	NA	NA	0
IRF2BPL	64207	Stereotypi	C0038273	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	192	26	0.1	NA	NA	0
IRF2BPL	64207	Trismus	C0041105	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	18	2	0.1	NA	NA	0
IRF2BPL	64207	Urinary Inc	C0042024	phenotype	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Pathologic Function	151	14	0.1	NA	NA	0
IRF2BPL	64207	Choreoath	C0085583	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	94	9	0.1	NA	NA	0
IRF2BPL	64207	Falls	C0085639	phenotype	NA	Finding	3	3	0.1	NA	NA	0
IRF2BPL	64207	Joint laxity	C0086437	phenotype	Musculoskeletal Diseases	Pathologic Function	224	15	0.1	NA	NA	0
IRF2BPL	64207	Electroenc	C0151611	phenotype	Nervous System Diseases	Finding	227	27	0.1	NA	NA	0
IRF2BPL	64207	Muscle We	C0151786	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases;	Sign or Symptom	536	87	0.1	NA	NA	0
IRF2BPL	64207	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
IRF2BPL	64207	Gastropare	C0152020	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	95	7	0.1	NA	NA	0
IRF2BPL	64207	Feeding dif	C0232466	phenotype	NA	Finding	473	62	0.1	NA	NA	0
IRF2BPL	64207	Absent ref	C0234146	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	201	16	0.1	NA	NA	0
IRF2BPL	64207	Cerebellar	C0234162	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	127	17	0.1	NA	NA	0

IRF2BPL	64207	Slurred spe	C0234518	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	39	10	0.1	NA	NA	0
IRF2BPL	64207	Mental det	C0234985	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	508	121	0.1	NA	NA	0
IRF2BPL	64207	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
IRF2BPL	64207	Hyperactiv	C0240116	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	14	3	0.1	NA	NA	0
IRF2BPL	64207	Romberg's	C0240914	phenotype	NA	Finding	15	6	0.1	NA	NA	0
IRF2BPL	64207	Flexion cor	C0333068	disease	Musculoskeletal Diseases	Finding	210	32	0.1	NA	NA	0
IRF2BPL	64207	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
IRF2BPL	64207	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
IRF2BPL	64207	Progressive	C0393525	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Disease or Syndrome	136	23	0.1	NA	NA	0
IRF2BPL	64207	Flexion cor	C0409338	disease	NA	Acquired Abnormality	73	14	0.1	NA	NA	0
IRF2BPL	64207	Flexion cor	C0409345	disease	NA	Acquired Abnormality	15	4	0.1	NA	NA	0
IRF2BPL	64207	Hyperactiv	C0424295	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	1263	112	0.1	NA	NA	0
IRF2BPL	64207	Single tran	C0424731	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Finding	78	14	0.1	NA	NA	0
IRF2BPL	64207	Spastic Qu	C0426970	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	86	7	0.1	NA	NA	0
IRF2BPL	64207	Facial Pare	C0427055	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; S	Sign or Symptom	44	2	0.1	NA	NA	0
IRF2BPL	64207	Ataxia, Tru	C0427190	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	68	13	0.1	NA	NA	0
IRF2BPL	64207	Atrophy of	C0431370	disease	Nervous System Diseases	Disease or Syndrome	21	2	0.1	NA	NA	0
IRF2BPL	64207	Dysmorphi	C0432072	disease	NA	Congenital Abnormality	439	617	0.1	NA	1	5
IRF2BPL	64207	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
IRF2BPL	64207	Growth de	C0456070	phenotype	NA	Pathologic Function	244	40	0.1	NA	NA	0
IRF2BPL	64207	Dementia	C0497327	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	816	176	0.1	NA	NA	0
IRF2BPL	64207	Loss of spe	C0542223	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	37	8	0.1	NA	NA	0
IRF2BPL	64207	Abnormal	C0549629	phenotype	NA	Pathologic Function	32	37	0.1	NA	NA	0
IRF2BPL	64207	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
IRF2BPL	64207	Poor coord	C0563243	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	26	8	0.1	NA	NA	0
IRF2BPL	64207	Nasal voice	C0566620	phenotype	NA	Finding	93	3	0.1	NA	NA	0
IRF2BPL	64207	Diffuse cer	C0598275	phenotype	Nervous System Diseases; Mental Disorders	Finding	34	2	0.1	NA	NA	0
IRF2BPL	64207	Hypsarrhyt	C0684276	phenotype	Nervous System Diseases	Finding	152	7	0.1	NA	NA	0
IRF2BPL	64207	Cerebellar	C0740279	disease	NA	Disease or Syndrome	321	67	0.1	NA	NA	0
IRF2BPL	64207	Ataxia, App	C0750937	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	86	5	0.1	NA	NA	0
IRF2BPL	64207	Overbite	C1305740	disease	Stomatognathic Diseases	Anatomical Abnormality	13	5	0.1	NA	NA	0
IRF2BPL	64207	Ventouse d	C1456852	phenotype	NA	Finding	3	3	0.1	NA	NA	0
IRF2BPL	64207	Facial diple	C1836003	phenotype	Infections; Nervous System Diseases; Stomatognathic Diseases	Finding	42	4	0.1	NA	NA	0
IRF2BPL	64207	Long face	C1836047	phenotype	NA	Finding	182	12	0.1	NA	NA	0
IRF2BPL	64207	Developme	C1836830	disease	Mental Disorders	Disease or Syndrome	333	80	0.1	NA	NA	0
IRF2BPL	64207	Decreased	C1837108	phenotype	NA	Finding	65	12	0.1	NA	NA	0
IRF2BPL	64207	Narrow fac	C1837463	phenotype	NA	Finding	87	6	0.1	NA	NA	0
IRF2BPL	64207	Gross mote	C1837658	disease	Mental Disorders	Disease or Syndrome	118	59	0.1	NA	NA	0
IRF2BPL	64207	Progressive	C1838578	phenotype	Nervous System Diseases	Finding	14	5	0.1	NA	NA	0
IRF2BPL	64207	Low anteri	C1842366	phenotype	NA	Finding	71	17	0.1	NA	NA	0
IRF2BPL	64207	Hyperrefle	C1843175	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	16	2	0.1	NA	NA	0
IRF2BPL	64207	Hypoplasti	C1844548	phenotype	NA	Finding	39	3	0.1	NA	NA	0
IRF2BPL	64207	Weight les	C1844806	phenotype	NA	Finding	22	27	0.1	NA	NA	0
IRF2BPL	64207	Facial hypo	C1845251	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	33	6	0.1	NA	NA	0
IRF2BPL	64207	Abnormal	C1845274	phenotype	NA	Finding	7	5	0.1	NA	NA	0
IRF2BPL	64207	Loss of abi	C1849097	phenotype	NA	Finding	37	11	0.1	NA	NA	0
IRF2BPL	64207	Abnormali	C1850601	phenotype	NA	Finding	21	2	0.1	NA	NA	0
IRF2BPL	64207	Long eyela	C1853738	phenotype	NA	Finding	83	17	0.1	NA	NA	0
IRF2BPL	64207	Absent spe	C1854882	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	232	72	0.1	NA	NA	0
IRF2BPL	64207	Limitation	C1857108	phenotype	NA	Finding	84	3	0.1	NA	NA	0

IRF2BPL	64207	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
IRF2BPL	64207	Limited ex	C1858427	phenotype	NA	Finding	11	1	0.1	NA	NA	0
IRF2BPL	64207	Plantar flex	C1861239	phenotype	NA	Finding	2	2	0.1	NA	NA	0
IRF2BPL	64207	Overfoldin	C1865304	phenotype	NA	Finding	10	7	0.1	NA	NA	0
IRF2BPL	64207	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
IRF2BPL	64207	Moderate	C2237142	phenotype	NA	Finding	27	21	0.1	NA	NA	0
IRF2BPL	64207	Pediatric fa	C2315100	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	166	122	0.1	NA	NA	0
IRF2BPL	64207	Actual Asp	C2712334	phenotype	NA	Finding	18	8	0.1	NA	NA	0
IRF2BPL	64207	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
IRF2BPL	64207	Infantile Sp	C3887898	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	93	39	0.1	NA	NA	0
IRF2BPL	64207	Congenital	C4020699	disease	NA	Congenital Abnormality	3	3	0.1	NA	NA	0
IRF2BPL	64207	Long palm	C4023422	phenotype	NA	Finding	5	2	0.1	NA	NA	0
IRF2BPL	64207	Induced va	C4072908	phenotype	NA	Pathologic Function	10	10	0.1	NA	NA	0
IRF2BPL	64207	Abducens	C4551519	disease	Nervous System Diseases	Disease or Syndrome	8	2	0.1	NA	NA	0
IRF2BPL	64207	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
IRF2BPL	64207	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
IRF2BPL	64207	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.01	NA	1	1
IRF2BPL	64207	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
IRF2BPL	64207	Encephalo	C0085584	group	Nervous System Diseases	Disease or Syndrome	457	64	0.01	NA	1	1
IRF2BPL	64207	Neurologic	C0235031	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	233	30	0.01	NA	1	1
IRF2BPL	64207	Epileptic e	C0543888	disease	Nervous System Diseases	Disease or Syndrome	187	126	0.01	NA	1	1
IRF2BPL	64207	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.01	NA	1	1
IRF2BPL	64207	female pub	C0848255	phenotype	NA	Sign or Symptom	9	0	0.01	NA	1	1
IRF2BPL	64207	FRAGILE X	C1839780	disease	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Disease or Syndrome	62	0	0.01	NA	1	1
CTDP1	9150	Congenital	C1858726	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome; Conger	2	1	0.6	NA	1	1
CTDP1	9150	Cataract	C0086543	disease	Eye Diseases	Acquired Abnormality	878	124	0.11	NA	1	1
CTDP1	9150	Ataxia	C0004134	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	868	68	0.1	NA	NA	0
CTDP1	9150	Charcot-M	C0007959	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	208	136	0.1	NA	1	1
CTDP1	9150	Chorea	C0008489	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	168	20	0.1	NA	NA	0
CTDP1	9150	Congenital	C0009081	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	285	44	0.1	NA	NA	0
CTDP1	9150	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.1	NA	NA	0
CTDP1	9150	Fetal Grow	C0015934	phenotype	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and M	Disease or Syndrome	1037	21	0.1	NA	NA	0
CTDP1	9150	Hypoglyce	C0020615	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	420	42	0.1	NA	NA	0
CTDP1	9150	Kyphosis d	C0022821	phenotype	Musculoskeletal Diseases	Anatomical Abnormality	305	10	0.1	NA	NA	0
CTDP1	9150	Micrognat	C0025990	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	586	53	0.1	NA	NA	0
CTDP1	9150	Microphth	C0026010	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	337	40	0.1	NA	NA	0
CTDP1	9150	Mild Ment	C0026106	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; M	Mental or Behavioral Dysfunc	340	56	0.1	NA	NA	0
CTDP1	9150	Opioid-Rel	C0027412	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	12	23	0.1	NA	1	1
CTDP1	9150	Nystagmus	C0028738	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	833	95	0.1	NA	NA	0
CTDP1	9150	Osteoporo	C0029456	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	1098	182	0.1	NA	NA	0
CTDP1	9150	Paresthesi	C0030554	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	121	8	0.1	NA	NA	0
CTDP1	9150	Babinski Re	C0034935	phenotype	NA	Finding	218	11	0.1	NA	NA	0
CTDP1	9150	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
CTDP1	9150	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
CTDP1	9150	Talipes cav	C0039273	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	213	2	0.1	NA	NA	0
CTDP1	9150	Congenital	C0152235	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	26	0	0.1	NA	NA	0
CTDP1	9150	Acquired g	C0158486	phenotype	Musculoskeletal Diseases	Acquired Abnormality	23	0	0.1	NA	NA	0
CTDP1	9150	Monocyte	C0200637	phenotype	NA	Laboratory Procedure	139	296	0.1	NA	1	1
CTDP1	9150	Claw hand	C0221373	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	63	3	0.1	NA	NA	0
CTDP1	9150	Pyramidal	C0234132	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	155	10	0.1	NA	NA	0

CTDP1	9150	Cerebellar	C0234162	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	127	17	0.1	NA	NA	0
CTDP1	9150	Action Tre	C0234376	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	95	2	0.1	NA	NA	0
CTDP1	9150	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
CTDP1	9150	Low serum	C0241011	phenotype	NA	Finding	33	0	0.1	NA	NA	0
CTDP1	9150	Abnormali	C0262444	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Finding	140	16	0.1	NA	NA	0
CTDP1	9150	Microcorn	C0266544	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	129	10	0.1	NA	NA	0
CTDP1	9150	Hypogonad	C0271623	disease	Endocrine System Diseases	Disease or Syndrome	178	18	0.1	NA	NA	0
CTDP1	9150	Polyneuro	C0271683	disease	Nervous System Diseases	Disease or Syndrome	32	3	0.1	NA	NA	0
CTDP1	9150	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.1	NA	NA	0
CTDP1	9150	Congenital	C0345392	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	151	2	0.1	NA	NA	0
CTDP1	9150	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
CTDP1	9150	Flexion cor	C0409348	phenotype	NA	Finding	168	7	0.1	NA	NA	0
CTDP1	9150	Dysmorphi	C0424503	phenotype	NA	Finding	271	106	0.1	NA	NA	0
CTDP1	9150	Clumsiness	C0520947	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Disease or Syndrome	393	2	0.1	NA	NA	0
CTDP1	9150	Genu recu	C0546964	disease	NA	Anatomical Abnormality	32	4	0.1	NA	NA	0
CTDP1	9150	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
CTDP1	9150	Kyphoscoli	C0575158	disease	Musculoskeletal Diseases	Anatomical Abnormality	155	17	0.1	NA	NA	0
CTDP1	9150	Acquired K	C0600033	disease	Musculoskeletal Diseases	Acquired Abnormality	149	2	0.1	NA	NA	0
CTDP1	9150	Monocyte	C0750880	phenotype	NA	Laboratory or Test Result	139	296	0.1	NA	1	1
CTDP1	9150	Adverse ef	C0869220	disease	NA	Injury or Poisoning	55	54	0.1	NA	1	1
CTDP1	9150	Peripheral	C0878575	phenotype	Nervous System Diseases	Pathologic Function	27	3	0.1	NA	NA	0
CTDP1	9150	Primary hy	C0948896	disease	Endocrine System Diseases	Disease or Syndrome	80	6	0.1	NA	NA	0
CTDP1	9150	Cerebral ve	C1531647	phenotype	Nervous System Diseases	Finding	410	0	0.1	NA	NA	0
CTDP1	9150	Axonal deg	C1837496	phenotype	NA	Finding	17	0	0.1	NA	NA	0
CTDP1	9150	Abnormali	C1852464	phenotype	NA	Finding	12	4	0.1	NA	NA	0
CTDP1	9150	Long eyela	C1853738	phenotype	NA	Finding	83	17	0.1	NA	NA	0
CTDP1	9150	Motor dela	C1854301	phenotype	Mental Disorders	Finding	384	34	0.1	NA	NA	0
CTDP1	9150	Decreased	C1858729	phenotype	NA	Finding	41	0	0.1	NA	NA	0
CTDP1	9150	Malar pron	C1858732	phenotype	NA	Finding	10	0	0.1	NA	NA	0
CTDP1	9150	Nystagmus	C1963184	phenotype	NA	Finding	779	0	0.1	NA	NA	0
CTDP1	9150	Motor axo	C2749625	phenotype	NA	Finding	27	4	0.1	NA	NA	0
CTDP1	9150	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
CTDP1	9150	Dilated ver	C3278923	phenotype	NA	Finding	427	32	0.1	NA	NA	0
CTDP1	9150	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
CTDP1	9150	Acute rhab	C3807306	phenotype	Musculoskeletal Diseases	Finding	5	2	0.1	NA	NA	0
CTDP1	9150	Abnormali	C4020690	phenotype	NA	Finding	8	0	0.1	NA	NA	0
CTDP1	9150	Peripheral	C4024927	phenotype	NA	Finding	7	1	0.1	NA	NA	0
CTDP1	9150	Cerebral co	C4551583	disease	NA	Disease or Syndrome	271	13	0.1	NA	NA	0
CTDP1	9150	Nystagmus	C4554036	phenotype	NA	Finding	779	0	0.1	NA	NA	0
CTDP1	9150	Behcet Syn	C0004943	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	502	243	0.01	NA	1	1
CTDP1	9150	Marinesco	C0024814	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	133	8	0.01	NA	1	1
CTDP1	9150	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
CTDP1	9150	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
CTDP1	9150	Peripheral	C0270922	disease	Immune System Diseases; Nervous System Diseases	Disease or Syndrome	95	14	0.01	NA	1	1
CTDP1	9150	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
CTDP1	9150	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
HHIP	64399	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.42	NA	1	4
HHIP	64399	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.4	NA	1	2
HHIP	64399	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.32	NA	1	2
HHIP	64399	Gastrointe	C0238198	group	Digestive System Diseases; Neoplasms	Neoplastic Process	538	154	0.3	NA	1	1

HHIP	64399	Hypospadi	C0848558	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Congenital Abnormality	366	80	0.3	NA	1	1
HHIP	64399	Gastrointe	C3179349	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	74	0	0.3	NA	1	1
HHIP	64399	Anorectal I	C3495676	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Anatomical Abnormality	112	6	0.3	NA	1	1
HHIP	64399	Primary bil	C0008312	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	478	667	0.2	NA	1	1
HHIP	64399	Diabetic N	C0011882	group	Nervous System Diseases; Endocrine System Diseases	Disease or Syndrome	144	12	0.2	NA	1	1
HHIP	64399	Biliary cirrh	C0023892	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	132	36	0.2	NA	1	1
HHIP	64399	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.12	NA	1	4
HHIP	64399	Birth Weig	C0005612	phenotype	Pathological Conditions, Signs and Symptoms	Organism Attribute	214	369	0.1	NA	1	2
HHIP	64399	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	9
HHIP	64399	Chronic Ob	C0024117	disease	Respiratory Tract Diseases	Disease or Syndrome	1428	852	0.1	NA	1	25
HHIP	64399	Smoking	C0037369	phenotype	Behavior and Behavior Mechanisms	Individual Behavior	391	765	0.1	NA	1	1
HHIP	64399	Vital capac	C0042834	phenotype	NA	Clinical Attribute	430	746	0.1	NA	1	1
HHIP	64399	Waist-Hip	C0205682	phenotype	NA	Organism Attribute	565	1138	0.1	NA	1	1
HHIP	64399	Malignant	C0346629	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	173	375	0.1	NA	1	2
HHIP	64399	High densit	C0392885	phenotype	NA	Laboratory Procedure	545	1440	0.1	NA	1	1
HHIP	64399	Infant leng	C0455806	phenotype	NA	Finding	10	14	0.1	NA	1	1
HHIP	64399	Height	C0489786	phenotype	NA	Organism Attribute	249	517	0.1	NA	1	6
HHIP	64399	Adenoma (	C1302401	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	452	213	0.1	NA	1	1
HHIP	64399	Body mass	C1305855	phenotype	NA	Clinical Attribute	1014	2689	0.1	NA	1	3
HHIP	64399	Adenocarc	C1319315	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	543	432	0.1	NA	1	2
HHIP	64399	Smoking B	C1519383	phenotype	Behavior and Behavior Mechanisms	Individual Behavior	249	742	0.1	NA	1	1
HHIP	64399	COLORECT	C1837315	disease	NA	Finding	166	374	0.1	NA	1	2
HHIP	64399	COLORECT	C2675481	disease	NA	Finding	166	370	0.1	NA	1	2
HHIP	64399	COLORECT	C2677123	phenotype	NA	Finding	165	368	0.1	NA	1	2
HHIP	64399	COLORECT	C3554460	disease	NA	Finding	166	373	0.1	NA	1	2
HHIP	64399	Physical Ac	C4049938	phenotype	NA	Laboratory Procedure	160	355	0.1	NA	1	1
HHIP	64399	Diverticula	C4317009	group	Digestive System Diseases	Disease or Syndrome	83	88	0.1	NA	1	1
HHIP	64399	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.06	NA	1	6
HHIP	64399	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.05	NA	1	5
HHIP	64399	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.04	NA	1	4
HHIP	64399	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.04	NA	1	4
HHIP	64399	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.04	NA	1	4
HHIP	64399	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.03	NA	1	3
HHIP	64399	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.03	NA	1	3
HHIP	64399	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.03	NA	1	3
HHIP	64399	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.03	NA	0.667	3
HHIP	64399	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.03	NA	1	3
HHIP	64399	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.03	NA	1	3
HHIP	64399	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.03	NA	1	3
HHIP	64399	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.03	NA	1	3
HHIP	64399	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.02	NA	1	2
HHIP	64399	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.02	NA	1	2
HHIP	64399	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.02	NA	1	2
HHIP	64399	Diabetic N	C0011881	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1189	238	0.02	NA	1	2
HHIP	64399	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.02	NA	1	2
HHIP	64399	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.02	NA	1	2
HHIP	64399	Hyperglyce	C0020456	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	1098	108	0.02	NA	1	2
HHIP	64399	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.02	NA	1	2
HHIP	64399	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.02	NA	1	2
HHIP	64399	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.02	NA	1	2

HHIP	64399	Pancreatiti	C0030305	disease	Digestive System Diseases	Disease or Syndrome	502	80	0.02	NA	1	2
HHIP	64399	Pulmonary	C0034067	disease	Respiratory Tract Diseases	Disease or Syndrome	352	64	0.02	NA	1	2
HHIP	64399	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.02	NA	0.5	2
HHIP	64399	Adult Glio	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.02	NA	1	2
HHIP	64399	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.02	NA	1	2
HHIP	64399	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.02	NA	1	2
HHIP	64399	Hereditary	C0392514	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	254	56	0.02	NA	1	2
HHIP	64399	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.02	NA	1	2
HHIP	64399	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.02	NA	1	2
HHIP	64399	Carcinoma	C4721806	disease	Neoplasms	Neoplastic Process	557	91	0.02	NA	1	2
HHIP	64399	Airway Obs	C0001883	group	Respiratory Tract Diseases	Disease or Syndrome	110	5	0.01	NA	1	1
HHIP	64399	Amyloidos	C0002726	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	694	93	0.01	NA	1	1
HHIP	64399	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	1	1
HHIP	64399	Bipolar Dis	C0005586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1183	839	0.01	NA	1	1
HHIP	64399	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.01	NA	1	1
HHIP	64399	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.01	NA	1	1
HHIP	64399	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
HHIP	64399	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.01	NA	1	1
HHIP	64399	Ulcerative	C0009324	disease	Digestive System Diseases	Disease or Syndrome	1458	827	0.01	NA	1	1
HHIP	64399	Cryptorchi	C0010417	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Male Uro	Congenital Abnormality	725	80	0.01	NA	1	1
HHIP	64399	Presenile d	C0011265	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	718	159	0.01	NA	1	1
HHIP	64399	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.01	NA	1	1
HHIP	64399	Focal glom	C0017668	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	281	50	0.01	NA	1	1
HHIP	64399	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.01	NA	1	1
HHIP	64399	Hyperdiste	C0020449	phenotype	Pathological Conditions, Signs and Symptoms	Anatomical Abnormality	12	1	0.01	NA	1	1
HHIP	64399	Liver Cirrh	C0023890	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	1182	189	0.01	NA	1	1
HHIP	64399	Lymphatic	C0024232	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	463	10	0.01	NA	1	1
HHIP	64399	Primary M	C0024620	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	60	4	0.01	NA	1	1
HHIP	64399	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.01	NA	1	1
HHIP	64399	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
HHIP	64399	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.01	NA	1	1
HHIP	64399	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.01	NA	1	1
HHIP	64399	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
HHIP	64399	Bronchial H	C0085129	disease	Respiratory Tract Diseases	Disease or Syndrome	112	18	0.01	NA	1	1
HHIP	64399	Pancreatiti	C0149521	disease	Digestive System Diseases	Disease or Syndrome	379	56	0.01	NA	1	1
HHIP	64399	Premature	C0151636	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	56	13	0.01	NA	1	1
HHIP	64399	Glomerulo	C0178664	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	221	3	0.01	NA	1	1
HHIP	64399	Hepatobla	C0206624	disease	Neoplasms	Neoplastic Process	452	22	0.01	NA	1	1
HHIP	64399	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.01	NA	1	1
HHIP	64399	Iron deficie	C0240066	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	179	13	0.01	NA	1	1
HHIP	64399	Autoimmu	C0241910	disease	Digestive System Diseases; Immune System Diseases	Disease or Syndrome	213	23	0.01	NA	1	1
HHIP	64399	Panhypopi	C0242343	disease	Nervous System Diseases; Endocrine System Diseases	Disease or Syndrome	73	23	0.01	NA	0	1
HHIP	64399	Gastric dys	C0267111	disease	Digestive System Diseases; Neoplasms	Disease or Syndrome	25	0	0.01	NA	1	1
HHIP	64399	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.01	NA	1	1
HHIP	64399	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.01	NA	1	1
HHIP	64399	Prediabete	C0362046	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	205	16	0.01	NA	1	1
HHIP	64399	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
HHIP	64399	AICARDI-G	C0393591	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Immune	Disease or Syndrome	117	12	0.01	NA	1	1
HHIP	64399	Dementia	C0497327	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	816	176	0.01	NA	1	1
HHIP	64399	Malignant	C0546837	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1286	214	0.01	NA	1	1

HHIP	64399	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
HHIP	64399	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.01	NA	1	1
HHIP	64399	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1
HHIP	64399	Malignant	C0685938	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	423	55	0.01	NA	1	1
HHIP	64399	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
HHIP	64399	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
HHIP	64399	Severe chr	C0730607	disease	Respiratory Tract Diseases	Disease or Syndrome	23	0	0.01	NA	1	1
HHIP	64399	asthma wi	C0865800	disease	NA	Disease or Syndrome	29	0	0.01	NA	1	1
HHIP	64399	Major Dep	C1269683	disease	Mental Disorders	Mental or Behavioral Dysfunc	1236	1451	0.01	NA	1	1
HHIP	64399	Mild cogni	C1270972	disease	Mental Disorders	Mental or Behavioral Dysfunc	430	96	0.01	NA	1	1
HHIP	64399	Hepatocar	C1512409	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	855	24	0.01	NA	1	1
HHIP	64399	Cirrhosis	C1623038	disease	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	919	110	0.01	NA	1	1
HHIP	64399	ANOPHTHA	C1832661	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	1410	80	0.01	NA	1	1
HHIP	64399	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
HHIP	64399	Early-Stage	C2986665	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	142	7	0.01	NA	1	1
HHIP	64399	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
HHIP	64399	Autoimmu	C4721555	disease	Digestive System Diseases	Disease or Syndrome	190	22	0.01	NA	1	1
HHIP	64399	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
USP30	84749	Platelet Co	C0032181	phenotype	NA	Laboratory Procedure	265	457	0.1	NA	1	1
USP30	84749	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
USP30	84749	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
USP30	84749	Adult Liver	C0220630	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1377	72	0.01	NA	1	1
USP30	84749	Liver and I	C0279000	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1395	73	0.01	NA	1	1
USP30	84749	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.01	NA	1	1
USP30	84749	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
USP30	84749	Hepatocar	C1512409	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	855	24	0.01	NA	1	1
USP30	84749	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.01	NA	1	1
PRMT7	54496	SHORT STA	C4310689	disease	NA	Disease or Syndrome	1	8	0.71	strong	1	3
PRMT7	54496	Brachydact	C0221357	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	325	43	0.12	NA	1	2
PRMT7	54496	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.12	NA	1	2
PRMT7	54496	Dwarfism	C0013336	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1261	77	0.11	NA	1	1
PRMT7	54496	Microceph	C0025958	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	1064	27	0.11	NA	1	1
PRMT7	54496	Pseudohyp	C0033806	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	34	4	0.11	NA	1	1
PRMT7	54496	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.11	NA	1	1
PRMT7	54496	Acanthosis	C0000889	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	64	11	0.1	NA	NA	0
PRMT7	54496	Astigmatis	C0004106	disease	Eye Diseases	Disease or Syndrome	148	45	0.1	NA	NA	0
PRMT7	54496	Body Weig	C0005910	phenotype	Pathological Conditions, Signs and Symptoms	Organism Attribute	57	92	0.1	NA	1	1
PRMT7	54496	Glomerula	C0017654	phenotype	NA	Diagnostic Procedure	399	1033	0.1	NA	1	1
PRMT7	54496	Polyhydran	C0020224	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	208	28	0.1	NA	NA	0
PRMT7	54496	Insulin Res	C0021655	phenotype	Nutritional and Metabolic Diseases	Pathologic Function	162	53	0.1	NA	NA	0
PRMT7	54496	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Dis	Disease or Syndrome	2821	1111	0.1	NA	NA	0
PRMT7	54496	Severe inte	C0036857	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	429	74	0.1	NA	NA	0
PRMT7	54496	Strabismus	C0038379	disease	Eye Diseases; Nervous System Diseases	Disease or Syndrome	716	89	0.1	NA	NA	0
PRMT7	54496	Self-Injuric	C0085271	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	91	9	0.1	NA	NA	0
PRMT7	54496	Creatinine	C0201976	phenotype	NA	Laboratory Procedure	124	243	0.1	NA	1	1
PRMT7	54496	Triglyceric	C0202236	phenotype	NA	Laboratory Procedure	563	1418	0.1	NA	1	1
PRMT7	54496	Frontal bos	C0221354	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	321	22	0.1	NA	NA	0
PRMT7	54496	Byzanthine	C0240635	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	497	70	0.1	NA	NA	0
PRMT7	54496	Delayed ab	C0241726	phenotype	NA	Finding	77	0	0.1	NA	NA	0
PRMT7	54496	Abnormali	C0262444	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Stomato	Finding	140	16	0.1	NA	NA	0

PRMT7	54496	Congenital	C0266295	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	96	8	0.1	NA	NA	0
PRMT7	54496	Short statu	C0349588	phenotype	NA	Finding	1127	292	0.1	NA	NA	0
PRMT7	54496	Skeletal dy	C0410528	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	186	65	0.1	NA	NA	0
PRMT7	54496	Short palp	C0423112	phenotype	NA	Finding	91	16	0.1	NA	NA	0
PRMT7	54496	Sunken eye	C0423224	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	171	54	0.1	NA	NA	0
PRMT7	54496	Dysmorphi	C0424503	phenotype	NA	Finding	271	106	0.1	NA	NA	0
PRMT7	54496	Broad nasa	C0426429	phenotype	NA	Finding	125	8	0.1	NA	NA	0
PRMT7	54496	Serum lipid	C0428465	phenotype	NA	Finding	7	7	0.1	NA	NA	0
PRMT7	54496	Delayed sp	C0454644	phenotype	Behavior and Behavior Mechanisms	Finding	560	192	0.1	NA	NA	0
PRMT7	54496	Short neck	C0521525	phenotype	NA	Finding	288	29	0.1	NA	NA	0
PRMT7	54496	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.1	NA	NA	0
PRMT7	54496	Thin lips	C0578038	phenotype	NA	Finding	99	8	0.1	NA	NA	0
PRMT7	54496	Congenital	C0678230	disease	NA	Congenital Abnormality	417	30	0.1	NA	NA	0
PRMT7	54496	Lumbar hy	C1184923	disease	Musculoskeletal Diseases	Anatomical Abnormality	92	8	0.1	NA	NA	0
PRMT7	54496	Delayed m	C1277241	phenotype	Mental Disorders	Finding	112	6	0.1	NA	NA	0
PRMT7	54496	Body mass	C1305855	phenotype	NA	Clinical Attribute	1014	2689	0.1	NA	1	4
PRMT7	54496	Intrauterin	C1386048	phenotype	NA	Pathologic Function	41	56	0.1	NA	NA	0
PRMT7	54496	Depressed	C1836542	phenotype	NA	Finding	426	39	0.1	NA	NA	0
PRMT7	54496	Short meta	C1837084	phenotype	NA	Finding	66	7	0.1	NA	NA	0
PRMT7	54496	Short meta	C1849020	phenotype	NA	Finding	34	1	0.1	NA	NA	0
PRMT7	54496	Nasal bridg	C1849367	phenotype	NA	Finding	429	29	0.1	NA	NA	0
PRMT7	54496	Malar flatt	C1858085	disease	NA	Anatomical Abnormality	190	12	0.1	NA	NA	0
PRMT7	54496	Generalize	C1858120	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	955	164	0.1	NA	NA	0
PRMT7	54496	Preauricula	C1860816	phenotype	NA	Finding	53	4	0.1	NA	NA	0
PRMT7	54496	Underdeve	C1861869	phenotype	NA	Finding	53	2	0.1	NA	NA	0
PRMT7	54496	Long philtr	C1865014	phenotype	NA	Finding	282	16	0.1	NA	NA	0
PRMT7	54496	Steatohepa	C2711227	disease	Digestive System Diseases	Disease or Syndrome	1143	75	0.1	NA	NA	0
PRMT7	54496	Short Statu	C2919142	phenotype	NA	Finding	1010	0	0.1	NA	NA	0
PRMT7	54496	Retrognath	C3494422	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	191	11	0.1	NA	NA	0
PRMT7	54496	Infantile ax	C3806604	phenotype	NA	Finding	17	8	0.1	NA	NA	0
PRMT7	54496	Infantile se	C4021535	phenotype	NA	Finding	7	4	0.1	NA	NA	0
PRMT7	54496	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.04	NA	1	4
PRMT7	54496	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.03	NA	1	3
PRMT7	54496	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.03	NA	1	3
PRMT7	54496	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.02	NA	1	2
PRMT7	54496	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.02	NA	1	2
PRMT7	54496	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
PRMT7	54496	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
PRMT7	54496	Citrullinem	C0175683	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	7	2	0.01	NA	1	1
PRMT7	54496	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
PRMT7	54496	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.01	NA	1	1
PRMT7	54496	Citrullinem	C4721769	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	5	85	0.01	NA	1	1
CCNE1	898	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.6	NA	1	12
CCNE1	898	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.6	NA	1	16
CCNE1	898	Liver carcin	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.6	NA	0.941	17
CCNE1	898	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.4	NA	0.952	21
CCNE1	898	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.4	NA	1	15
CCNE1	898	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.4	NA	0.947	19
CCNE1	898	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.37	NA	1	7
CCNE1	898	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.37	NA	1	9

CCNE1	898	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2130	281	0.36	NA	1	6
CCNE1	898	Ovarian Ca	C0029925	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	539	19	0.33	NA	1	3
CCNE1	898	Medullobla	C0025149	disease	Neoplasms	Neoplastic Process	862	115	0.3	NA	1	1
CCNE1	898	Medullomy	C0205833	disease	Neoplasms	Neoplastic Process	43	0	0.3	NA	1	1
CCNE1	898	Disease Ex	C0235874	phenotype	Pathological Conditions, Signs and Symptoms	Finding	166	0	0.3	NA	1	1
CCNE1	898	Childhood	C0278510	disease	Neoplasms	Neoplastic Process	771	25	0.3	NA	1	1
CCNE1	898	Adult Med	C0278876	disease	Neoplasms	Neoplastic Process	762	24	0.3	NA	1	1
CCNE1	898	Neoplasm	C0496920	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	29	0	0.3	NA	NA	0
CCNE1	898	Desmoplas	C0751291	disease	Neoplasms	Neoplastic Process	54	1	0.3	NA	1	1
CCNE1	898	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.3	NA	1	1
CCNE1	898	Mammary	C1257931	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	527	0	0.3	NA	1	2
CCNE1	898	Melanotic	C1275668	disease	Neoplasms	Neoplastic Process	43	0	0.3	NA	1	1
CCNE1	898	Mammary	C4704874	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	545	0	0.3	NA	1	2
CCNE1	898	Epithelial c	C0677886	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	1224	129	0.24	NA	1	5
CCNE1	898	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.22	NA	1	3
CCNE1	898	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.22	NA	0.667	3
CCNE1	898	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.2	NA	1	1
CCNE1	898	Diabetic N	C0011881	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1189	238	0.2	NA	1	1
CCNE1	898	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.2	NA	1	1
CCNE1	898	Mammary	C0024668	phenotype	Neoplasms	Neoplastic Process; Experime	218	0	0.2	NA	1	2
CCNE1	898	Reperfusio	C0035126	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Injury or Poisoning	300	0	0.2	NA	1	1
CCNE1	898	Hepatobla	C0206624	disease	Neoplasms	Neoplastic Process	452	22	0.2	NA	1	1
CCNE1	898	Hepatobla	C2676033	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	106	0	0.2	NA	1	1
CCNE1	898	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
CCNE1	898	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	36
CCNE1	898	Red cell dis	C0427460	phenotype	NA	Laboratory Procedure	593	988	0.1	NA	1	1
CCNE1	898	RDW - Red	C1304746	phenotype	NA	Laboratory or Test Result	593	988	0.1	NA	1	1
CCNE1	898	Primary m	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	1	15
CCNE1	898	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.1	NA	1	18
CCNE1	898	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.08	NA	0.875	8
CCNE1	898	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.07	NA	0.857	7
CCNE1	898	Retinoblas	C0035335	disease	Neoplasms; Eye Diseases	Neoplastic Process	853	193	0.07	NA	1	7
CCNE1	898	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2104	309	0.06	NA	1	6
CCNE1	898	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.06	NA	1	6
CCNE1	898	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.05	NA	1	5
CCNE1	898	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.05	NA	1	5
CCNE1	898	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.04	NA	1	4
CCNE1	898	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.04	NA	0.75	4
CCNE1	898	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.04	NA	1	4
CCNE1	898	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.04	NA	1	4
CCNE1	898	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.04	NA	1	4
CCNE1	898	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.04	NA	1	4
CCNE1	898	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.03	NA	1	3
CCNE1	898	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.03	NA	1	3
CCNE1	898	Hepatocar	C1512409	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	855	24	0.03	NA	0.667	3
CCNE1	898	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.02	NA	1	2
CCNE1	898	Carcinoma	C0007138	disease	Neoplasms	Neoplastic Process	623	12	0.02	NA	1	2
CCNE1	898	Endometri	C0014175	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	1188	274	0.02	NA	1	2
CCNE1	898	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.02	NA	1	2
CCNE1	898	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.02	NA	1	2

CCNE1	898	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases; C	Neoplastic Process	1740	865	0.02	NA	1	2
CCNE1	898	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.02	NA	1	2
CCNE1	898	Diffuse Lar	C0079744	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1043	127	0.02	NA	1	2
CCNE1	898	Adult Liver	C0220630	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1377	72	0.02	NA	0.5	2
CCNE1	898	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.02	NA	1	2
CCNE1	898	Liver and I	C0279000	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1395	73	0.02	NA	0.5	2
CCNE1	898	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.02	NA	1	2
CCNE1	898	Endometri	C0476089	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1597	326	0.02	NA	1	2
CCNE1	898	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.02	NA	1	2
CCNE1	898	Papillary se	C0854924	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	63	0	0.02	NA	1	2
CCNE1	898	Malignant	C1608408	phenotype	NA	Neoplastic Process	1027	20	0.02	NA	1	2
CCNE1	898	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.02	NA	1	2
CCNE1	898	Urothelial	C2145472	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	449	10	0.02	NA	1	2
CCNE1	898	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.02	NA	1	2
CCNE1	898	High grade	C3839280	disease	NA	Neoplastic Process	118	1	0.02	NA	0	2
CCNE1	898	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.02	NA	1	2
CCNE1	898	Adenoma	C0001430	group	Neoplasms	Neoplastic Process	1183	103	0.01	NA	1	1
CCNE1	898	Anorexia N	C0003125	disease	Mental Disorders	Mental or Behavioral Dysfunc	202	72	0.01	NA	1	1
CCNE1	898	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	1	1
CCNE1	898	Carcinoid T	C0007095	phenotype	Neoplasms	Neoplastic Process	267	3	0.01	NA	1	1
CCNE1	898	Malignant	C0007103	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1235	197	0.01	NA	1	1
CCNE1	898	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2084	288	0.01	NA	1	1
CCNE1	898	Congenital	C0008626	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	757	47	0.01	NA	1	1
CCNE1	898	Ulcerative	C0009324	disease	Digestive System Diseases	Disease or Syndrome	1458	827	0.01	NA	1	1
CCNE1	898	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
CCNE1	898	Fanconi An	C0015625	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	394	173	0.01	NA	1	1
CCNE1	898	Fibrosis	C0016059	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	184	0	0.01	NA	1	1
CCNE1	898	Female Ge	C0017411	group	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	21	3	0.01	NA	1	1
CCNE1	898	Hepatitis	C0019158	group	Digestive System Diseases	Disease or Syndrome	656	42	0.01	NA	1	1
CCNE1	898	Hepatitis A	C0019159	disease	Digestive System Diseases; Infections	Disease or Syndrome	451	27	0.01	NA	1	1
CCNE1	898	Hepatitis, (	C0019189	disease	Digestive System Diseases	Disease or Syndrome	224	10	0.01	NA	1	1
CCNE1	898	Inflammat	C0021390	group	Digestive System Diseases	Disease or Syndrome	1577	605	0.01	NA	1	1
CCNE1	898	Acute Pron	C0023487	disease	Neoplasms	Neoplastic Process	651	21	0.01	NA	1	1
CCNE1	898	Chronic Ob	C0024117	disease	Respiratory Tract Diseases	Disease or Syndrome	1428	852	0.01	NA	1	1
CCNE1	898	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.01	NA	1	1
CCNE1	898	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
CCNE1	898	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
CCNE1	898	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.01	NA	1	1
CCNE1	898	Adenomat	C0032580	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Neoplastic Process	609	237	0.01	NA	1	1
CCNE1	898	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
CCNE1	898	B-Cell Lym	C0079731	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1408	42	0.01	NA	1	1
CCNE1	898	Squamous	C0149782	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	670	283	0.01	NA	1	1
CCNE1	898	Adenocarc	C0206681	disease	Neoplasms	Neoplastic Process	117	6	0.01	NA	1	1
CCNE1	898	Sebaceous	C0206684	disease	Neoplasms	Neoplastic Process	41	2	0.01	NA	1	1
CCNE1	898	Carcinoma	C0206687	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	223	12	0.01	NA	1	1
CCNE1	898	Cholangioc	C0206698	disease	Neoplasms	Neoplastic Process	877	43	0.01	NA	1	1
CCNE1	898	Neuroendo	C0206754	group	Neoplasms	Neoplastic Process	491	20	0.01	NA	1	1
CCNE1	898	Fallopian T	C0238122	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	18	2	0.01	NA	1	1
CCNE1	898	Fibrosis, Li	C0239946	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	1179	64	0.01	NA	1	1
CCNE1	898	Carcinoma	C0278488	disease	NA	Neoplastic Process	573	14	0.01	NA	1	1

CCNE1	898	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.01	NA	1	1
CCNE1	898	Conventio	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2346	222	0.01	NA	1	1
CCNE1	898	Leiomyosa	C0280631	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	71	0	0.01	NA	1	1
CCNE1	898	Senile angi	C0343082	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	8	2	0.01	NA	1	1
CCNE1	898	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.01	NA	1	1
CCNE1	898	Endotoxen	C0376618	phenotype	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	401	5	0.01	NA	1	1
CCNE1	898	Secondary	C0494165	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	951	34	0.01	NA	1	1
CCNE1	898	Leukemog	C0598766	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	996	25	0.01	NA	1	1
CCNE1	898	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.01	NA	1	1
CCNE1	898	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
CCNE1	898	Sarcoma	C1261473	group	Neoplasms	Neoplastic Process	853	42	0.01	NA	1	1
CCNE1	898	Salivary du	C1301194	disease	Neoplasms	Neoplastic Process	54	9	0.01	NA	1	1
CCNE1	898	Adult Diffu	C1332201	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	504	46	0.01	NA	1	1
CCNE1	898	Classical H	C1333064	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	285	20	0.01	NA	1	1
CCNE1	898	HER2 gene	C1512127	disease	NA	Disease or Syndrome	170	14	0.01	NA	1	1
CCNE1	898	Serous End	C1516857	disease	Neoplasms	Neoplastic Process	6	0	0.01	NA	1	1
CCNE1	898	Carcinoma	C1827293	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	287	14	0.01	NA	1	1
CCNE1	898	Adult Class	C2347747	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	233	10	0.01	NA	1	1
CCNE1	898	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.01	NA	1	1
CCNE1	898	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
CCNE1	898	Ovarian cle	C3544205	disease	NA	Neoplastic Process	103	0	0.01	NA	1	1
CCNE1	898	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
CCNE1	898	Serous Tub	C4287589	disease	NA	Neoplastic Process	33	0	0.01	NA	0	1
CCNE1	898	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
CCNE1	898	HER2-nega	C4733095	disease	NA	Neoplastic Process	160	18	0.01	NA	1	1
CEBPB	1051	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.39	NA	1	10
CEBPB	1051	Pulmonary	C0034069	disease	Respiratory Tract Diseases	Disease or Syndrome	924	25	0.32	NA	1	3
CEBPB	1051	Steatohep	C2711227	disease	Digestive System Diseases	Disease or Syndrome	1143	75	0.31	NA	1	2
CEBPB	1051	Brain Ische	C0007786	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	358	5	0.3	NA	1	1
CEBPB	1051	Fatty Liver	C0015695	disease	Digestive System Diseases	Disease or Syndrome	875	35	0.3	NA	1	1
CEBPB	1051	Female inf	C0021361	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	37	2	0.3	NA	1	1
CEBPB	1051	Sterility, P	C0038279	phenotype	Female Urogenital Diseases and Pregnancy Complications	Pathologic Function	28	0	0.3	NA	1	1
CEBPB	1051	Subfertility	C0341869	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	33	1	0.3	NA	1	1
CEBPB	1051	Female ste	C0917730	phenotype	Female Urogenital Diseases and Pregnancy Complications	Finding	28	0	0.3	NA	1	1
CEBPB	1051	Cerebral Is	C0917798	disease	Nervous System Diseases; Cardiovascular Diseases	Pathologic Function	120	2	0.3	NA	1	1
CEBPB	1051	Alveolitis,	C4721507	disease	Respiratory Tract Diseases	Disease or Syndrome	91	4	0.3	NA	1	1
CEBPB	1051	Virus Disea	C0042769	group	Infections	Disease or Syndrome	1471	42	0.25	NA	0.8	5
CEBPB	1051	Sepsis	C0243026	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1453	144	0.24	NA	1	5
CEBPB	1051	Cleidocran	C0008928	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	52	22	0.21	NA	1	4
CEBPB	1051	Arbovirus I	C0003723	group	Infections	Disease or Syndrome	8	0	0.2	NA	NA	0
CEBPB	1051	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	1	14
CEBPB	1051	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	0.944	18
CEBPB	1051	Low densit	C0202117	phenotype	NA	Laboratory Procedure	483	1142	0.1	NA	1	1
CEBPB	1051	High densi	C0392885	phenotype	NA	Laboratory Procedure	545	1440	0.1	NA	1	1
CEBPB	1051	Serum HDL	C0428472	phenotype	NA	Laboratory Procedure	283	679	0.1	NA	1	1
CEBPB	1051	Serum LDL	C0428474	phenotype	NA	Laboratory Procedure	269	555	0.1	NA	1	1
CEBPB	1051	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	1	14
CEBPB	1051	Serum tota	C1445957	phenotype	NA	Laboratory Procedure	486	1243	0.1	NA	1	1
CEBPB	1051	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.08	NA	1	8
CEBPB	1051	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.08	NA	1	8

CEBPB	1051	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.07	NA	1	7
CEBPB	1051	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.07	NA	1	7
CEBPB	1051	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.07	NA	1	7
CEBPB	1051	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.07	NA	1	7
CEBPB	1051	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.06	NA	1	6
CEBPB	1051	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.05	NA	1	5
CEBPB	1051	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.04	NA	1	4
CEBPB	1051	Acute Pror	C0023487	disease	Neoplasms	Neoplastic Process	651	21	0.04	NA	1	4
CEBPB	1051	Septicemia	C0036690	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1285	141	0.04	NA	1	4
CEBPB	1051	Ki-1+ Anap	C0206180	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	300	10	0.04	NA	1	4
CEBPB	1051	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.04	NA	1	4
CEBPB	1051	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.04	NA	1	4
CEBPB	1051	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.04	NA	1	4
CEBPB	1051	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.03	NA	1	3
CEBPB	1051	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.03	NA	1	3
CEBPB	1051	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.03	NA	1	3
CEBPB	1051	Liver neop	C0023903	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1424	7	0.03	NA	1	3
CEBPB	1051	Erythrobla	C0272138	disease	NA	Disease or Syndrome	89	0	0.03	NA	1	3
CEBPB	1051	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.03	NA	1	3
CEBPB	1051	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.03	NA	1	3
CEBPB	1051	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.03	NA	1	3
CEBPB	1051	Triple Nega	C3539878	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1674	99	0.03	NA	1	3
CEBPB	1051	Behcet Syr	C0004943	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	502	243	0.02	NA	1	2
CEBPB	1051	Renal Cell	C0007134	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2084	288	0.02	NA	1	2
CEBPB	1051	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.02	NA	1	2
CEBPB	1051	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.02	NA	1	2
CEBPB	1051	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.02	NA	1	2
CEBPB	1051	Hyperpara	C0020503	disease	Endocrine System Diseases	Disease or Syndrome	68	4	0.02	NA	1	2
CEBPB	1051	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.02	NA	1	2
CEBPB	1051	Lung disea	C0024115	group	Respiratory Tract Diseases	Disease or Syndrome	700	50	0.02	NA	1	2
CEBPB	1051	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.02	NA	1	2
CEBPB	1051	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.02	NA	0.5	2
CEBPB	1051	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.02	NA	1	2
CEBPB	1051	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.02	NA	1	2
CEBPB	1051	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.02	NA	1	2
CEBPB	1051	Tuberculos	C0041296	disease	Infections	Disease or Syndrome	1256	328	0.02	NA	1	2
CEBPB	1051	Giant Cell T	C0206638	disease	Neoplasms	Neoplastic Process	113	3	0.02	NA	1	2
CEBPB	1051	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.02	NA	0.5	2
CEBPB	1051	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.02	NA	1	2
CEBPB	1051	Conventior	C0279702	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2346	222	0.02	NA	1	2
CEBPB	1051	Impaired c	C0338656	disease	Mental Disorders	Mental or Behavioral Dysfunc	1630	348	0.02	NA	1	2
CEBPB	1051	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.02	NA	1	2
CEBPB	1051	Intraocular	C0595921	disease	Eye Diseases	Disease or Syndrome	304	56	0.02	NA	1	2
CEBPB	1051	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.02	NA	0.5	2
CEBPB	1051	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.02	NA	1	2
CEBPB	1051	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.02	NA	0.5	2
CEBPB	1051	Childhood	C1332977	disease	Neoplasms	Neoplastic Process	1740	140	0.02	NA	1	2
CEBPB	1051	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.02	NA	1	2
CEBPB	1051	Immunosu	C4048329	disease	NA	Disease or Syndrome	632	9	0.02	NA	1	2
CEBPB	1051	Triple-Neg	C4722518	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	1598	96	0.02	NA	1	2

CEBPB	1051	Adenovirus	C0001486	group	Infections	Disease or Syndrome	145	0	0.01	NA	1	1
CEBPB	1051	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.01	NA	1	1
CEBPB	1051	Arthritis	C0003864	disease	Musculoskeletal Diseases	Disease or Syndrome	1072	69	0.01	NA	1	1
CEBPB	1051	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.01	NA	1	1
CEBPB	1051	Atheroscle	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.01	NA	1	1
CEBPB	1051	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.01	NA	1	1
CEBPB	1051	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.01	NA	1	1
CEBPB	1051	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.01	NA	1	1
CEBPB	1051	Malignant	C0007114	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	508	38	0.01	NA	1	1
CEBPB	1051	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
CEBPB	1051	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.01	NA	1	1
CEBPB	1051	Colitis	C0009319	disease	Digestive System Diseases	Disease or Syndrome	1135	15	0.01	NA	1	1
CEBPB	1051	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.01	NA	1	1
CEBPB	1051	Connective	C0009782	group	Skin and Connective Tissue Diseases	Disease or Syndrome	188	24	0.01	NA	1	1
CEBPB	1051	Cystic Fibr	C0010674	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	852	704	0.01	NA	1	1
CEBPB	1051	Presenile d	C0011265	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	718	159	0.01	NA	1	1
CEBPB	1051	Dengue Fe	C0011311	disease	Infections	Disease or Syndrome	360	39	0.01	NA	1	1
CEBPB	1051	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.01	NA	1	1
CEBPB	1051	Diabetic N	C0011881	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1189	238	0.01	NA	1	1
CEBPB	1051	Esophagea	C0014859	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1254	270	0.01	NA	1	1
CEBPB	1051	Glaucoma	C0017601	disease	Eye Diseases	Disease or Syndrome	770	198	0.01	NA	1	1
CEBPB	1051	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.01	NA	1	1
CEBPB	1051	Fibroid Tur	C0023267	disease	Neoplasms	Neoplastic Process	413	14	0.01	NA	1	1
CEBPB	1051	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.01	NA	1	1
CEBPB	1051	Acute mon	C0023465	disease	Neoplasms	Neoplastic Process	633	22	0.01	NA	1	1
CEBPB	1051	Myeloid Le	C0023470	disease	Neoplasms	Neoplastic Process	385	7	0.01	NA	1	1
CEBPB	1051	Leukoence	C0023524	disease	Infections; Nervous System Diseases	Disease or Syndrome	240	4	0.01	NA	1	1
CEBPB	1051	liposarcom	C0023827	disease	Neoplasms	Neoplastic Process	200	6	0.01	NA	0	1
CEBPB	1051	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.01	NA	1	1
CEBPB	1051	Lymphoma	C0024299	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1548	91	0.01	NA	1	1
CEBPB	1051	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.01	NA	1	1
CEBPB	1051	nervous sy	C0027765	group	Nervous System Diseases	Disease or Syndrome	977	39	0.01	NA	1	1
CEBPB	1051	Neuralgia	C0027796	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	767	16	0.01	NA	1	1
CEBPB	1051	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
CEBPB	1051	Delirium, D	C0029227	group	Mental Disorders	Mental or Behavioral Dysfunc	83	0	0.01	NA	1	1
CEBPB	1051	Osteitis De	C0029401	disease	Musculoskeletal Diseases	Disease or Syndrome	134	58	0.01	NA	1	1
CEBPB	1051	Adenomat	C0032580	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Neoplastic Process	609	237	0.01	NA	1	1
CEBPB	1051	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.01	NA	1	1
CEBPB	1051	Protein De	C0033626	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	125	2	0.01	NA	1	1
CEBPB	1051	Prune Belly	C0033770	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Disease or Syndrome	83	2	0.01	NA	1	1
CEBPB	1051	Reticuloen	C0035288	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Neoplastic Process	48	1	0.01	NA	1	1
CEBPB	1051	Salmonella	C0036117	group	Infections	Disease or Syndrome	96	0	0.01	NA	1	1
CEBPB	1051	Kaposi Sar	C0036220	disease	Neoplasms; Infections	Neoplastic Process	488	15	0.01	NA	1	1
CEBPB	1051	Ankylosing	C0038013	disease	Musculoskeletal Diseases	Disease or Syndrome	710	609	0.01	NA	1	1
CEBPB	1051	Cerebrova	C0038454	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	1658	591	0.01	NA	1	1
CEBPB	1051	Uterine Fib	C0042133	group	Neoplasms	Neoplastic Process	569	154	0.01	NA	1	1
CEBPB	1051	Vitamin D	C0042870	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	153	37	0.01	NA	1	1
CEBPB	1051	B-Cell Lym	C0079731	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1408	42	0.01	NA	1	1
CEBPB	1051	Synovial Cy	C0085648	disease	Neoplasms	Disease or Syndrome	87	0	0.01	NA	1	1
CEBPB	1051	Epstein-Ba	C0149678	group	Infections	Disease or Syndrome	384	72	0.01	NA	1	1

CEBPB	1051	Renal fibro	C0151650	disease	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Disease or Syndrome	570	1	0.01	NA	1	1
CEBPB	1051	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
CEBPB	1051	Esophagea	C0152018	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1287	272	0.01	NA	1	1
CEBPB	1051	Hepatobla	C0206624	disease	Neoplasms	Neoplastic Process	452	22	0.01	NA	1	1
CEBPB	1051	Gastrointe	C0220620	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	323	13	0.01	NA	1	1
CEBPB	1051	Adult Liver	C0220630	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1377	72	0.01	NA	1	1
CEBPB	1051	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
CEBPB	1051	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.01	NA	1	1
CEBPB	1051	Carcinoma	C0243038	disease	Neoplasms	Neoplastic Process; Experime	188	0	0.01	NA	1	1
CEBPB	1051	Parathyroi	C0271844	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	37	1	0.01	NA	1	1
CEBPB	1051	Shwachma	C0272170	disease	NA	Disease or Syndrome	49	13	0.01	NA	1	1
CEBPB	1051	Carcinoma	C0278488	disease	NA	Neoplastic Process	573	14	0.01	NA	1	1
CEBPB	1051	Adult Lipos	C0278608	disease	Neoplasms	Neoplastic Process	143	6	0.01	NA	0	1
CEBPB	1051	Liver and I	C0279000	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1395	73	0.01	NA	1	1
CEBPB	1051	Childhood	C0279984	disease	Neoplasms	Neoplastic Process	143	6	0.01	NA	0	1
CEBPB	1051	Thyroid ass	C0339143	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	211	49	0.01	NA	1	1
CEBPB	1051	Congenital	C0340970	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Congenital Abnormality	68	11	0.01	NA	1	1
CEBPB	1051	Endometri	C0341858	disease	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	154	4	0.01	NA	1	1
CEBPB	1051	Malignant	C0345904	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1649	88	0.01	NA	1	1
CEBPB	1051	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
CEBPB	1051	Dementia	C0497327	disease	Nervous System Diseases; Mental Disorders	Mental or Behavioral Dysfunc	816	176	0.01	NA	1	1
CEBPB	1051	Malignant	C0546837	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1286	214	0.01	NA	1	1
CEBPB	1051	Ewings sar	C0553580	disease	Neoplasms	Neoplastic Process	517	25	0.01	NA	1	1
CEBPB	1051	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2104	309	0.01	NA	1	1
CEBPB	1051	Malignant	C0812413	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	421	15	0.01	NA	1	1
CEBPB	1051	Squamous	C1168401	disease	Neoplasms	Neoplastic Process	1543	348	0.01	NA	1	1
CEBPB	1051	Myxoid cys	C1258666	disease	Neoplasms; Skin and Connective Tissue Diseases	Disease or Syndrome	106	0	0.01	NA	1	1
CEBPB	1051	Liver reger	C1318485	phenotype	Digestive System Diseases	Disease or Syndrome	346	0	0.01	NA	1	1
CEBPB	1051	Anaplastic	C1321546	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	17	1	0.01	NA	1	1
CEBPB	1051	Histiocytic	C1321757	disease	NA	Neoplastic Process	1	0	0.01	NA	1	1
CEBPB	1051	Hormone r	C1328504	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	683	29	0.01	NA	1	1
CEBPB	1051	Anaplastic	C1332079	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	25	0	0.01	NA	1	1
CEBPB	1051	Adult Anap	C1332182	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	128	2	0.01	NA	1	1
CEBPB	1051	Childhood	C1332942	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	130	2	0.01	NA	1	1
CEBPB	1051	Pancreatic	C1335302	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	970	22	0.01	NA	1	1
CEBPB	1051	Paget Dise	C1368019	disease	Neoplasms	Neoplastic Process	66	21	0.01	NA	1	1
CEBPB	1051	Cardiac fib	C1397307	disease	NA	Disease or Syndrome	297	3	0.01	NA	1	1
CEBPB	1051	Bacteroide	C1456246	disease	NA	Disease or Syndrome	43	0	0.01	NA	1	1
CEBPB	1051	Angiogenic	C1510885	disease	NA	Neoplastic Process	96	3	0.01	NA	1	1
CEBPB	1051	Tumor Imr	C1519680	phenotype	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	337	2	0.01	NA	1	1
CEBPB	1051	Autoimmu	C1608389	disease	NA	Disease or Syndrome	63	0	0.01	NA	1	1
CEBPB	1051	Painful Bla	C1720830	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	81	0	0.01	NA	1	1
CEBPB	1051	ANOPHTHA	C1832661	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	1410	80	0.01	NA	1	1
CEBPB	1051	Severe con	C1853118	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Hemic ar	Disease or Syndrome	66	26	0.01	NA	1	1
CEBPB	1051	ATRICHIA \	C1859592	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	70	3	0.01	NA	1	1
CEBPB	1051	Tubulointe	C1969372	phenotype	NA	Disease or Syndrome	328	0	0.01	NA	1	1
CEBPB	1051	HIV-1 infec	C2363741	disease	NA	Disease or Syndrome	695	94	0.01	NA	1	1
CEBPB	1051	Promyeloc	C2745900	disease	NA	Neoplastic Process	255	2	0.01	NA	1	1
CEBPB	1051	Refractory	C2826323	disease	NA	Neoplastic Process	264	3	0.01	NA	1	1
CEBPB	1051	Mechanica	C2936719	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	408	4	0.01	NA	1	1

CEBPB	1051	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.01	NA	1	1
CEBPB	1051	MYOTONIC	C3250443	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Disease or Syndrome	179	14	0.01	NA	1	1
CEBPB	1051	Neutrophil	C3665444	disease	Pathological Conditions, Signs and Symptoms; Hemic and Lymphatic Diseas	Disease or Syndrome	150	1	0.01	NA	1	1
CEBPB	1051	Infection	C3714514	group	Infections	Pathologic Function	491	0	0.01	NA	1	1
CEBPB	1051	Human im	C3854222	disease	NA	Disease or Syndrome	985	56	0.01	NA	1	1
CEBPB	1051	Neurocogn	C4041080	group	Mental Disorders	Mental or Behavioral Dysfunc	79	0	0.01	NA	1	1
CEBPB	1051	Peritoneal	C4087504	disease	NA	Neoplastic Process	170	0	0.01	NA	1	1
RECK	8434	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.4	NA	1	34
RECK	8434	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.38	NA	1	8
RECK	8434	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.35	NA	1	5
RECK	8434	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.34	NA	1	5
RECK	8434	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.31	NA	1	1
RECK	8434	Cocaine Ab	C0009171	disease	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	144	3	0.31	NA	1	1
RECK	8434	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.31	NA	1	1
RECK	8434	Liver Cirrh	C0023893	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Experimental Model of Diseas	870	0	0.3	NA	1	1
RECK	8434	Neoplasm	C0027626	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Pathologic Function	193	0	0.3	NA	1	1
RECK	8434	Giant Cell	C0334588	disease	Neoplasms	Neoplastic Process	95	3	0.3	NA	1	1
RECK	8434	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	1	22
RECK	8434	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	58
RECK	8434	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.1	NA	1	45
RECK	8434	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	1	19
RECK	8434	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.09	NA	1	9
RECK	8434	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.09	NA	1	9
RECK	8434	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.08	NA	1	8
RECK	8434	Tumor Ang	C1519670	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	822	5	0.08	NA	1	8
RECK	8434	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.07	NA	0.857	7
RECK	8434	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.07	NA	1	7
RECK	8434	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.07	NA	1	7
RECK	8434	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.06	NA	1	6
RECK	8434	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.05	NA	1	5
RECK	8434	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.05	NA	0.8	5
RECK	8434	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.05	NA	1	5
RECK	8434	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.05	NA	0.8	5
RECK	8434	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.05	NA	0.6	5
RECK	8434	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.05	NA	1	5
RECK	8434	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.04	NA	1	4
RECK	8434	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.04	NA	1	4
RECK	8434	Malignant	C0153381	group	Neoplasms; Stomatognathic Diseases	Neoplastic Process	756	184	0.04	NA	1	4
RECK	8434	Lip and Ora	C0220641	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	734	172	0.04	NA	1	4
RECK	8434	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.03	NA	1	3
RECK	8434	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.03	NA	1	3
RECK	8434	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.03	NA	1	3
RECK	8434	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.03	NA	1	3
RECK	8434	Adult Gliob	C0278878	disease	Neoplasms	Neoplastic Process	2528	98	0.03	NA	1	3
RECK	8434	Squamous	C0279626	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2053	329	0.03	NA	1	3
RECK	8434	Childhood	C0280474	disease	Neoplasms	Neoplastic Process	2527	98	0.03	NA	1	3
RECK	8434	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.03	NA	1	3
RECK	8434	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.03	NA	1	3
RECK	8434	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.03	NA	1	3
RECK	8434	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.03	NA	1	3

RECK	8434	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.02	NA	0.5	2
RECK	8434	Ameloblas	C0002448	disease	Neoplasms	Neoplastic Process	174	4	0.02	NA	1	2
RECK	8434	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2113	316	0.02	NA	1	2
RECK	8434	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2130	281	0.02	NA	1	2
RECK	8434	Carcinoma	C0007138	disease	Neoplasms	Neoplastic Process	623	12	0.02	NA	1	2
RECK	8434	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.02	NA	1	2
RECK	8434	Nephrobla	C0027708	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasn	Neoplastic Process	586	125	0.02	NA	1	2
RECK	8434	Esophagea	C0152018	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1287	272	0.02	NA	1	2
RECK	8434	Congenital	C0220668	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Congenital Abnormality	559	48	0.02	NA	1	2
RECK	8434	MRSA - Me	C0343401	disease	Infections	Disease or Syndrome	222	1	0.02	NA	1	2
RECK	8434	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	2104	309	0.02	NA	1	2
RECK	8434	Childhood	C1333015	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasn	Neoplastic Process	338	36	0.02	NA	1	2
RECK	8434	Urothelial	C2145472	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; Ma	Neoplastic Process	449	10	0.02	NA	1	2
RECK	8434	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.02	NA	1	2
RECK	8434	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.01	NA	1	1
RECK	8434	Astrocyton	C0004114	disease	Neoplasms	Neoplastic Process	985	59	0.01	NA	1	1
RECK	8434	Atrial Fibri	C0004238	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	939	584	0.01	NA	1	1
RECK	8434	Malignant	C0007115	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	949	103	0.01	NA	1	1
RECK	8434	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
RECK	8434	Cervix Dise	C0007867	group	Female Urogenital Diseases and Pregnancy Complications	Disease or Syndrome	43	3	0.01	NA	1	1
RECK	8434	Chorioamn	C0008495	phenotype	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	132	2	0.01	NA	0	1
RECK	8434	Colorectal	C0009404	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1296	609	0.01	NA	1	1
RECK	8434	Adenoid Cy	C0010606	disease	Neoplasms	Neoplastic Process	325	30	0.01	NA	1	1
RECK	8434	Cystic Fibr	C0010674	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Digestive	Disease or Syndrome	852	704	0.01	NA	1	1
RECK	8434	Patent duc	C0013274	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	510	56	0.01	NA	1	1
RECK	8434	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.01	NA	1	1
RECK	8434	Esophagea	C0014859	group	Digestive System Diseases; Neoplasms	Neoplastic Process	1254	270	0.01	NA	1	1
RECK	8434	Fibrosarco	C0016057	disease	Neoplasms	Neoplastic Process	413	9	0.01	NA	1	1
RECK	8434	Hepatitis C	C0019196	disease	Digestive System Diseases; Infections	Disease or Syndrome	1768	347	0.01	NA	1	1
RECK	8434	Fibroid Tur	C0023267	disease	Neoplasms	Neoplastic Process	413	14	0.01	NA	1	1
RECK	8434	Chronic Ob	C0024117	disease	Respiratory Tract Diseases	Disease or Syndrome	1428	852	0.01	NA	1	1
RECK	8434	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.01	NA	1	1
RECK	8434	Lymphatic	C0024232	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	463	10	0.01	NA	1	1
RECK	8434	Mouth Neo	C0026640	group	Neoplasms; Stomatognathic Diseases	Neoplastic Process	140	0	0.01	NA	1	1
RECK	8434	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases; C	Neoplastic Process	1740	865	0.01	NA	1	1
RECK	8434	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
RECK	8434	Melanocyt	C0027962	disease	Neoplasms	Neoplastic Process	297	33	0.01	NA	1	1
RECK	8434	Degenerat	C0029408	disease	Musculoskeletal Diseases	Disease or Syndrome	1827	247	0.01	NA	1	1
RECK	8434	Pancreatic	C0030297	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	764	20	0.01	NA	1	1
RECK	8434	Periodonta	C0031090	group	Stomatognathic Diseases	Disease or Syndrome	326	22	0.01	NA	1	1
RECK	8434	Periodonti	C0031099	disease	Stomatognathic Diseases	Disease or Syndrome	682	116	0.01	NA	1	1
RECK	8434	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.01	NA	1	1
RECK	8434	Respiratior	C0035204	group	Respiratory Tract Diseases	Disease or Syndrome	208	6	0.01	NA	1	1
RECK	8434	Sarcoidosis	C0036202	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	413	787	0.01	NA	1	1
RECK	8434	Stomach N	C0038356	group	Digestive System Diseases; Neoplasms	Neoplastic Process	820	55	0.01	NA	1	1
RECK	8434	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
RECK	8434	Urinary tra	C0042029	group	Female Urogenital Diseases and Pregnancy Complications; Infections; Ma	Disease or Syndrome	219	14	0.01	NA	1	1
RECK	8434	Uterine Fib	C0042133	group	Neoplasms	Neoplastic Process	569	154	0.01	NA	1	1
RECK	8434	Virus Disea	C0042769	group	Infections	Disease or Syndrome	1471	42	0.01	NA	1	1
RECK	8434	Cutaneous	C0151779	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	507	248	0.01	NA	1	1

RECK	8434	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
RECK	8434	Chronic na	C0155826	disease	Infections; Respiratory Tract Diseases; Stomatognathic Diseases; Otorhi	Disease or Syndrome	12	0	0.01	NA	1	1
RECK	8434	Aortic Ane	C0162871	disease	Cardiovascular Diseases	Disease or Syndrome	586	90	0.01	NA	1	1
RECK	8434	Cholangioc	C0206698	disease	Neoplasms	Neoplastic Process	877	43	0.01	NA	1	1
RECK	8434	Necrotizing	C0238124	disease	Musculoskeletal Diseases	Disease or Syndrome	24	0	0.01	NA	1	1
RECK	8434	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.01	NA	1	1
RECK	8434	Squamous	C0280299	disease	Neoplasms	Neoplastic Process	9	0	0.01	NA	1	1
RECK	8434	Prostatic In	C0282612	disease	Neoplasms	Neoplastic Process	230	0	0.01	NA	1	1
RECK	8434	Hematolog	C0376545	group	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	827	60	0.01	NA	1	1
RECK	8434	Hepatitis C	C0524910	disease	Digestive System Diseases; Infections	Disease or Syndrome	430	80	0.01	NA	1	1
RECK	8434	Malignant	C0546837	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	1286	214	0.01	NA	1	1
RECK	8434	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
RECK	8434	Malignant	C0555198	disease	Neoplasms	Neoplastic Process	724	22	0.01	NA	1	1
RECK	8434	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.01	NA	1	1
RECK	8434	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
RECK	8434	Genital infe	C0729552	group	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	11	0	0.01	NA	1	1
RECK	8434	Malignant	C0751690	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	261	19	0.01	NA	1	1
RECK	8434	Invasive ca	C0853879	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	473	21	0.01	NA	1	1
RECK	8434	asthma wit	C0865800	disease	NA	Disease or Syndrome	29	0	0.01	NA	1	1
RECK	8434	precancerc	C0940937	phenotype	NA	Neoplastic Process	270	19	0.01	NA	1	1
RECK	8434	Pancreatic	C1335302	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	970	22	0.01	NA	1	1
RECK	8434	Benign me	C1456781	disease	Neoplasms	Neoplastic Process	122	20	0.01	NA	1	1
RECK	8434	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.01	NA	1	1
RECK	8434	Benign Pro	C1704272	disease	Male Urogenital Diseases	Disease or Syndrome	770	91	0.01	NA	1	1
RECK	8434	Idiopathic	C2350236	disease	Respiratory Tract Diseases	Disease or Syndrome	64	4	0.01	NA	1	1
RECK	8434	Nasophary	C2931822	disease	Neoplasms; Stomatognathic Diseases; Otorhinolaryngologic Diseases	Neoplastic Process	1553	320	0.01	NA	1	1
RECK	8434	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.01	NA	1	1
RECK	8434	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
RECK	8434	PATENT DU	C4282128	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Cardiova	Congenital Abnormality	229	12	0.01	NA	1	1
RECK	8434	trachomat	C4290046	disease	NA	Disease or Syndrome	175	7	0.01	NA	1	1
HPCA	3208	DYSTONIA	C1857093	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	1	3	0.7	NA	1	3
HPCA	3208	Dystonia M	C0013423	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	26	1	0.11	NA	1	1
HPCA	3208	Blepharosp	C0005747	disease	Eye Diseases	Disease or Syndrome	44	6	0.1	NA	NA	0
HPCA	3208	Deglutition	C0011168	group	Digestive System Diseases; Otorhinolaryngologic Diseases	Disease or Syndrome	389	50	0.1	NA	NA	0
HPCA	3208	Dysarthria	C0013362	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Mental or Behavioral Dysfunc	487	54	0.1	NA	NA	0
HPCA	3208	Torticollis	C0040485	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	55	10	0.1	NA	NA	0
HPCA	3208	Tremor	C0040822	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	528	52	0.1	NA	NA	0
HPCA	3208	Feeding dif	C0232466	phenotype	NA	Finding	473	62	0.1	NA	NA	0
HPCA	3208	Difficulty w	C0311394	phenotype	Pathological Conditions, Signs and Symptoms	Finding	224	30	0.1	NA	NA	0
HPCA	3208	Dystonia, L	C0751093	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	42	9	0.1	NA	NA	0
HPCA	3208	Generalize	C1848954	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	11	1	0.1	NA	NA	0
HPCA	3208	Slow progr	C1854494	phenotype	NA	Finding	165	0	0.1	NA	NA	0
HPCA	3208	Dystonia	C0013421	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	453	97	0.07	NA	1	7
HPCA	3208	Dystonia D	C0393593	group	Nervous System Diseases	Disease or Syndrome	167	37	0.07	NA	1	7
HPCA	3208	Early onset	C3888090	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	22	1	0.02	NA	1	2
HPCA	3208	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.01	NA	1	1
HPCA	3208	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
HPCA	3208	Huntingtor	C0020179	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	978	115	0.01	NA	1	1
HPCA	3208	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.01	NA	1	1
HPCA	3208	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1

HPCA	3208	Severe Cor	C0085110	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutritior	Disease or Syndrome	284	46	0.01	NA	1	1
HPCA	3208	Middle Cer	C0740391	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; (	Acquired Abnormality	626	0	0.01	NA	1	1
HPCA	3208	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
HPCA	3208	Serrated a	C3472623	disease	NA	Neoplastic Process	11	2	0.01	NA	1	1
PODXL	5420	Malignant	C0376358	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4502	1082	0.33	NA	1	3
PODXL	5420	Prostatic N	C0033578	group	Neoplasms; Male Urogenital Diseases	Neoplastic Process	1722	31	0.32	NA	1	2
PODXL	5420	Nephrosis,	C3501848	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	31	9	0.31	strong	1	3
PODXL	5420	Carotid Art	C0007273	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	69	6	0.3	NA	1	1
PODXL	5420	Hemorrhag	C0019080	phenotype	Pathological Conditions, Signs and Symptoms	Pathologic Function	47	0	0.3	NA	1	1
PODXL	5420	Nephrotic	C0027726	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	384	45	0.3	strong	1	1
PODXL	5420	Thrombosi	C0040053	phenotype	Cardiovascular Diseases	Pathologic Function	98	0	0.3	NA	1	1
PODXL	5420	Thrombus	C0087086	phenotype	Cardiovascular Diseases	Pathologic Function	46	0	0.3	NA	1	1
PODXL	5420	Carotid Ath	C0577631	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	219	79	0.3	NA	1	1
PODXL	5420	External Ca	C0600178	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	11	0	0.3	NA	1	1
PODXL	5420	Internal Ca	C0750986	group	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	11	0	0.3	NA	1	1
PODXL	5420	Arterial Dis	C0750987	disease	Nervous System Diseases; Cardiovascular Diseases	Disease or Syndrome	11	0	0.3	NA	1	1
PODXL	5420	Atypical ju	C4510873	disease	NA	Disease or Syndrome	4	0	0.3	NA	1	1
PODXL	5420	PARKINSO	C1868675	disease	Nervous System Diseases	Disease or Syndrome	67	37	0.11	NA	1	1
PODXL	5420	Anxiety	C0003467	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1048	287	0.1	NA	NA	0
PODXL	5420	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	1	13
PODXL	5420	Color visio	C0009398	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Disease or Syndrome	94	4	0.1	NA	NA	0
PODXL	5420	Constipatic	C0009806	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	424	57	0.1	NA	NA	0
PODXL	5420	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.1	NA	NA	0
PODXL	5420	Diarrhea	C0011991	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	632	63	0.1	NA	NA	0
PODXL	5420	Diplopia	C0012569	phenotype	Pathological Conditions, Signs and Symptoms; Eye Diseases; Nervous Syst	Finding	75	5	0.1	NA	NA	0
PODXL	5420	Dysautono	C0013363	disease	Nervous System Diseases	Disease or Syndrome	148	18	0.1	NA	NA	0
PODXL	5420	Dyskinetic	C0013384	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	316	42	0.1	NA	NA	0
PODXL	5420	Dystonia	C0013421	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	453	97	0.1	NA	NA	0
PODXL	5420	Fatigue	C0015672	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	760	67	0.1	NA	NA	0
PODXL	5420	Hallucinati	C0018524	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	178	18	0.1	NA	NA	0
PODXL	5420	Impulsive I	C0021125	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	276	69	0.1	NA	NA	0
PODXL	5420	Muscle Rig	C0026837	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases; I	Sign or Symptom	320	25	0.1	NA	NA	0
PODXL	5420	Muscle Spa	C0026838	phenotype	Pathological Conditions, Signs and Symptoms; Musculoskeletal Diseases; I	Sign or Symptom	580	48	0.1	NA	NA	0
PODXL	5420	Myoclonus	C0027066	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	265	34	0.1	NA	NA	0
PODXL	5420	Nausea	C0027497	phenotype	Pathological Conditions, Signs and Symptoms	Sign or Symptom	161	14	0.1	NA	NA	0
PODXL	5420	Restless Le	C0035258	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	126	72	0.1	NA	NA	0
PODXL	5420	Scoliosis, u	C0036439	disease	Musculoskeletal Diseases	Disease or Syndrome	850	135	0.1	NA	NA	0
PODXL	5420	Seizures	C0036572	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	2152	553	0.1	NA	NA	0
PODXL	5420	Spasm	C0037763	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	172	9	0.1	NA	NA	0
PODXL	5420	Talipes cav	C0039273	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Musculo	Anatomical Abnormality	213	2	0.1	NA	NA	0
PODXL	5420	Tremor	C0040822	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	528	52	0.1	NA	NA	0
PODXL	5420	Akinesia	C0085623	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	43	3	0.1	NA	NA	0
PODXL	5420	Agitation	C0085631	phenotype	Nervous System Diseases; Mental Disorders; Behavior and Behavior Mech	Sign or Symptom	109	4	0.1	NA	NA	0
PODXL	5420	Apathy	C0085632	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	83	9	0.1	NA	NA	0
PODXL	5420	Panic Attac	C0086769	disease	Mental Disorders	Mental or Behavioral Dysfunc	59	3	0.1	NA	NA	0
PODXL	5420	Social Com	C0150080	disease	Mental Disorders	Mental or Behavioral Dysfunc	40	4	0.1	NA	NA	0
PODXL	5420	Hyporeflex	C0151888	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	312	0	0.1	NA	NA	0
PODXL	5420	Hyperrefle	C0151889	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	539	19	0.1	NA	NA	0
PODXL	5420	Gastropare	C0152020	disease	Pathological Conditions, Signs and Symptoms; Digestive System Diseases	Disease or Syndrome	95	7	0.1	NA	NA	0
PODXL	5420	Bradykines	C0233565	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	133	16	0.1	NA	NA	0

PODXL	5420	Pyramidal	C0234132	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	155	10	0.1	NA	NA	0
PODXL	5420	Resting Tre	C0234379	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	57	5	0.1	NA	NA	0
PODXL	5420	Anarthria s	C0234517	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	11	2	0.1	NA	NA	0
PODXL	5420	Cerebral at	C0235946	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Disease or Syndrome	454	44	0.1	NA	NA	0
PODXL	5420	Voice Fatig	C0241700	phenotype	Pathological Conditions, Signs and Symptoms; Respiratory Tract Diseases;	Finding	20	0	0.1	NA	NA	0
PODXL	5420	Reduced c	C0262630	phenotype	Behavior and Behavior Mechanisms	Finding	77	2	0.1	NA	NA	0
PODXL	5420	Abnormal	C0278097	disease	NA	Mental or Behavioral Dysfunc	12	0	0.1	NA	NA	0
PODXL	5420	Dementia	C0338455	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	20	0	0.1	NA	NA	0
PODXL	5420	Gait Ataxia	C0751837	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Sign or Symptom	172	17	0.1	NA	NA	0
PODXL	5420	Expression	C0813217	phenotype	Nervous System Diseases	Finding	31	1	0.1	NA	NA	0
PODXL	5420	Systolic Pre	C0871470	phenotype	NA	Clinical Attribute	843	1931	0.1	NA	1	1
PODXL	5420	Sleeplessn	C0917801	phenotype	Nervous System Diseases; Mental Disorders	Sign or Symptom	174	30	0.1	NA	NA	0
PODXL	5420	Female sex	C1112442	disease	NA	Mental or Behavioral Dysfunc	22	3	0.1	NA	NA	0
PODXL	5420	Male sexua	C1112443	disease	NA	Disease or Syndrome	12	0	0.1	NA	NA	0
PODXL	5420	Gait imbala	C1836150	phenotype	NA	Finding	57	24	0.1	NA	NA	0
PODXL	5420	Postural in	C1843921	phenotype	Nervous System Diseases	Finding	60	5	0.1	NA	NA	0
PODXL	5420	Agitation,	C1963060	phenotype	NA	Finding	87	0	0.1	NA	NA	0
PODXL	5420	Sense of sr	C2364082	phenotype	Nervous System Diseases	Sign or Symptom	60	12	0.1	NA	NA	0
PODXL	5420	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases;	Mental or Behavioral Dysfunc	2165	159	0.1	NA	NA	0
PODXL	5420	Short step	C3805715	phenotype	Pathological Conditions, Signs and Symptoms; Nervous System Diseases	Finding	16	0	0.1	NA	NA	0
PODXL	5420	Leg muscle	C4024610	phenotype	NA	Sign or Symptom	13	0	0.1	NA	NA	0
PODXL	5420	Slowed slu	C4024929	phenotype	NA	Finding	5	0	0.1	NA	NA	0
PODXL	5420	Brain atrop	C4551584	disease	Nervous System Diseases	Disease or Syndrome	182	46	0.1	NA	NA	0
PODXL	5420	Agitation,	C4552855	phenotype	NA	Finding	87	0	0.1	NA	NA	0
PODXL	5420	Spasticity,	C4553743	phenotype	NA	Finding	477	0	0.1	NA	NA	0
PODXL	5420	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.09	NA	1	9
PODXL	5420	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.09	NA	1	9
PODXL	5420	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.07	NA	1	7
PODXL	5420	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.07	NA	1	7
PODXL	5420	Nephrobla	C0027708	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	586	125	0.04	NA	1	4
PODXL	5420	Renal glom	C0268731	group	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Disease or Syndrome	221	7	0.04	NA	1	4
PODXL	5420	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.04	NA	1	4
PODXL	5420	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.03	NA	1	3
PODXL	5420	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.03	NA	1	3
PODXL	5420	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.03	NA	1	3
PODXL	5420	Glioblastor	C0017636	disease	Neoplasms	Neoplastic Process	3177	281	0.03	NA	1	3
PODXL	5420	Focal glom	C0017668	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	281	50	0.03	NA	1	3
PODXL	5420	Kidney Dis	C0022658	group	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	1180	140	0.03	NA	1	3
PODXL	5420	Embryonal	C0206659	disease	Neoplasms	Neoplastic Process	165	0	0.03	NA	1	3
PODXL	5420	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.03	NA	1	3
PODXL	5420	Lupus Nep	C0024143	disease	Female Urogenital Diseases and Pregnancy Complications; Skin and Connec	Disease or Syndrome	503	64	0.02	NA	1	2
PODXL	5420	Malignant	C0024623	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3806	615	0.02	NA	1	2
PODXL	5420	Kidney Fail	C0035078	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	378	36	0.02	NA	1	2
PODXL	5420	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.02	NA	1	2
PODXL	5420	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.02	NA	1	2
PODXL	5420	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.02	NA	1	2
PODXL	5420	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.02	NA	1	2
PODXL	5420	Prostate ca	C0600139	disease	Neoplasms; Male Urogenital Diseases	Neoplastic Process	4388	1168	0.02	NA	1	2
PODXL	5420	Stomach C	C0699791	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	3720	652	0.02	NA	1	2
PODXL	5420	Childhood	C1333015	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	338	36	0.02	NA	1	2

PODXL	5420	Glioblastor	C1621958	disease	Neoplasms	Neoplastic Process	3197	186	0.02	NA	0.5	2
PODXL	5420	Secondary	C2939419	group	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2492	85	0.02	NA	1	2
PODXL	5420	Fabry Dise	C0002986	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	108	206	0.01	NA	1	1
PODXL	5420	Arterioscle	C0003850	disease	Cardiovascular Diseases	Disease or Syndrome	2006	267	0.01	NA	1	1
PODXL	5420	Arterioscle	C0003851	disease	Cardiovascular Diseases	Disease or Syndrome	49	2	0.01	NA	1	1
PODXL	5420	Astrocytor	C0004114	disease	Neoplasms	Neoplastic Process	985	59	0.01	NA	1	1
PODXL	5420	Atherosclе	C0004153	disease	Cardiovascular Diseases	Disease or Syndrome	2044	281	0.01	NA	1	1
PODXL	5420	Malignant	C0005684	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2113	316	0.01	NA	1	1
PODXL	5420	Bladder Ne	C0005695	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2130	281	0.01	NA	1	1
PODXL	5420	Malignant	C0007102	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2969	688	0.01	NA	1	1
PODXL	5420	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.01	NA	1	1
PODXL	5420	Colonic Ne	C0009375	group	Digestive System Diseases; Neoplasms	Neoplastic Process	947	45	0.01	NA	1	1
PODXL	5420	Diabetes	C0011847	disease	Endocrine System Diseases	Disease or Syndrome	2359	710	0.01	NA	1	1
PODXL	5420	Diabetes M	C0011849	group	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	2803	824	0.01	NA	1	1
PODXL	5420	Diabetes M	C0011860	disease	Nutritional and Metabolic Diseases; Endocrine System Diseases	Disease or Syndrome	3134	2672	0.01	NA	1	1
PODXL	5420	Hypertensi	C0020538	group	Cardiovascular Diseases	Disease or Syndrome	2322	1085	0.01	NA	1	1
PODXL	5420	Kidney Cal	C0022650	disease	Pathological Conditions, Signs and Symptoms; Female Urogenital Diseases a	Disease or Syndrome	190	71	0.01	NA	1	1
PODXL	5420	Lymphatic	C0024232	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	463	10	0.01	NA	1	1
PODXL	5420	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
PODXL	5420	Meningion	C0025286	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	634	43	0.01	NA	1	1
PODXL	5420	Nephritis	C0027697	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	296	40	0.01	NA	1	1
PODXL	5420	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
PODXL	5420	Mast-Cell S	C0036221	disease	Neoplasms	Neoplastic Process	27	4	0.01	NA	1	1
PODXL	5420	Seminoma	C0036631	disease	Neoplasms	Neoplastic Process	311	12	0.01	NA	1	1
PODXL	5420	Vasculitis	C0042384	disease	Cardiovascular Diseases	Disease or Syndrome	294	24	0.01	NA	1	1
PODXL	5420	B-Cell Lym	C0079731	group	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1408	42	0.01	NA	1	1
PODXL	5420	Peripheral	C0085096	group	Cardiovascular Diseases	Disease or Syndrome	150	18	0.01	NA	1	1
PODXL	5420	Polycystic	C0085413	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Female U	Disease or Syndrome	280	35	0.01	NA	1	1
PODXL	5420	Idiopathic	C0086445	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	79	13	0.01	NA	1	1
PODXL	5420	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.01	NA	1	1
PODXL	5420	Malignant	C0153594	disease	Neoplasms; Male Urogenital Diseases; Endocrine System Diseases	Neoplastic Process	253	31	0.01	NA	1	1
PODXL	5420	Glomerulo	C0178664	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	221	3	0.01	NA	1	1
PODXL	5420	Cholangioc	C0206698	disease	Neoplasms	Neoplastic Process	877	43	0.01	NA	1	1
PODXL	5420	Dyslipidem	C0242339	group	Nutritional and Metabolic Diseases	Disease or Syndrome	471	184	0.01	NA	1	1
PODXL	5420	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.01	NA	1	1
PODXL	5420	Anaplastic	C0334579	disease	Neoplasms	Neoplastic Process	202	12	0.01	NA	1	1
PODXL	5420	Disseminat	C0346957	phenotype	Neoplasms	Neoplastic Process	232	4	0.01	NA	1	1
PODXL	5420	Squamous	C0349566	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	462	2	0.01	NA	1	1
PODXL	5420	Hematolog	C0376545	group	Neoplasms; Hemic and Lymphatic Diseases	Neoplastic Process	827	60	0.01	NA	1	1
PODXL	5420	Nephrolith	C0392525	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	242	99	0.01	NA	1	1
PODXL	5420	Secondary	C0494165	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	951	34	0.01	NA	1	1
PODXL	5420	Leukemog	C0598766	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	996	25	0.01	NA	1	1
PODXL	5420	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.01	NA	1	1
PODXL	5420	Colon Carc	C0699790	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	2832	275	0.01	NA	1	1
PODXL	5420	Carcinoma	C0699885	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; M	Neoplastic Process	2104	309	0.01	NA	1	1
PODXL	5420	Atherosclе	C0852950	disease	NA	Disease or Syndrome	6	0	0.01	NA	1	1
PODXL	5420	Monckebe	C0887866	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	5	0	0.01	NA	1	1
PODXL	5420	Primary m	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.01	NA	1	1
PODXL	5420	Mature B-(	C1334634	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	20	0	0.01	NA	1	1
PODXL	5420	Pancreatic	C1335302	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	970	22	0.01	NA	1	1

PODXL	5420	Renal Insuf	C1565489	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	615	42	0.01	NA	1	1
PODXL	5420	Peripheral	C1704436	group	Cardiovascular Diseases	Disease or Syndrome	319	128	0.01	NA	1	1
PODXL	5420	ANOPHTHA	C1832661	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	1410	80	0.01	NA	1	1
PODXL	5420	MILES-CAR	C1839735	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Disease or Syndrome	21	2	0.01	NA	1	1
PODXL	5420	Autosomal	C2919166	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	5	1	0.01	NA	1	1
PODXL	5420	Node-nega	C3160889	disease	NA	Neoplastic Process	54	2	0.01	NA	1	1
PODXL	5420	Tumour bu	C4049272	disease	NA	Neoplastic Process	71	8	0.01	NA	1	1
PODXL	5420	Childhood	C4086152	disease	Neoplasms	Neoplastic Process	615	39	0.01	NA	1	1
PODXL	5420	Young ons	C4275179	disease	Nervous System Diseases	Disease or Syndrome	51	32	0.01	NA	1	1
PODXL	5420	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
NHLH2	4808	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.34	NA	1	5
NHLH2	4808	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.04	NA	1	4
NHLH2	4808	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.03	NA	1	3
NHLH2	4808	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.03	NA	1	3
NHLH2	4808	Prader-Wil	C0032897	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	185	8	0.02	NA	1	2
NHLH2	4808	Hypogonad	C0020619	disease	Endocrine System Diseases	Disease or Syndrome	305	24	0.01	NA	1	1
NHLH2	4808	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
CADPS2	93664	Autistic Dis	C0004352	disease	Mental Disorders	Mental or Behavioral Dysfunc	1112	395	0.35	NA	1	5
CADPS2	93664	Schizophre	C0036341	disease	Mental Disorders	Mental or Behavioral Dysfunc	2872	2897	0.31	NA	1	1
CADPS2	93664	Cholestasis	C0008370	disease	Digestive System Diseases	Disease or Syndrome	420	15	0.3	NA	1	1
CADPS2	93664	Drug abuse	C0013146	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	405	39	0.3	NA	1	1
CADPS2	93664	Drug habit	C0013170	phenotype	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	196	19	0.3	NA	1	1
CADPS2	93664	Drug Use D	C0013222	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	121	0	0.3	NA	1	1
CADPS2	93664	Hepatitis, T	C0019193	disease	Digestive System Diseases; Chemically-Induced Disorders	Injury or Poisoning	412	0	0.3	NA	1	1
CADPS2	93664	Organic M	C0029231	disease	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	115	0	0.3	NA	1	1
CADPS2	93664	Substance	C0038580	disease	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	156	19	0.3	NA	1	1
CADPS2	93664	Substance	C0038586	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	218	16	0.3	NA	1	1
CADPS2	93664	Substance-	C0236969	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	128	20	0.3	NA	1	1
CADPS2	93664	Substance	C0740858	disease	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	185	20	0.3	NA	1	1
CADPS2	93664	Drug-Induc	C0860207	phenotype	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	537	29	0.3	NA	1	1
CADPS2	93664	Hepatitis, I	C1262760	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	418	0	0.3	NA	1	1
CADPS2	93664	Drug Depe	C1510472	group	Chemically-Induced Disorders; Mental Disorders	Mental or Behavioral Dysfunc	248	31	0.3	NA	1	1
CADPS2	93664	Drug-Induc	C3658290	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	413	0	0.3	NA	1	1
CADPS2	93664	Chemical a	C4277682	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	461	38	0.3	NA	1	1
CADPS2	93664	Chemically	C4279912	disease	Digestive System Diseases; Chemically-Induced Disorders	Disease or Syndrome	412	0	0.3	NA	1	1
CADPS2	93664	Prescriptio	C4316881	phenotype	Chemically-Induced Disorders; Mental Disorders	Finding	115	0	0.3	NA	1	1
CADPS2	93664	Autism Spe	C1510586	disease	Mental Disorders	Mental or Behavioral Dysfunc	1071	331	0.27	NA	1	7
CADPS2	93664	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.12	NA	1	3
CADPS2	93664	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	1
CADPS2	93664	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.1	NA	1	1
CADPS2	93664	Smoking	C0037369	phenotype	Behavior and Behavior Mechanisms	Individual Behavior	391	765	0.1	NA	1	1
CADPS2	93664	Sulfate me	C0474702	phenotype	NA	Laboratory Procedure	2	3	0.1	NA	1	1
CADPS2	93664	mathemat	C0596887	phenotype	NA	Mental Process	854	2127	0.1	NA	1	1
CADPS2	93664	Body mass	C1305855	phenotype	NA	Clinical Attribute	1014	2689	0.1	NA	1	2
CADPS2	93664	Age at mer	C1314691	phenotype	Behavior and Behavior Mechanisms	Finding	267	591	0.1	NA	1	2
CADPS2	93664	Smoking B	C1519383	phenotype	Behavior and Behavior Mechanisms	Individual Behavior	249	742	0.1	NA	1	1
CADPS2	93664	Pervasive I	C0524528	group	Mental Disorders	Mental or Behavioral Dysfunc	328	49	0.03	NA	1	3
CADPS2	93664	Mental dis	C0004936	group	Mental Disorders	Mental or Behavioral Dysfunc	789	149	0.01	NA	1	1
CADPS2	93664	Developme	C0008073	group	Mental Disorders	Mental or Behavioral Dysfunc	355	19	0.01	NA	1	1
CADPS2	93664	Epilepsy	C0014544	disease	Nervous System Diseases	Disease or Syndrome	1215	339	0.01	NA	1	1

CADPS2	93664	nervous sy	C0027765	group	Nervous System Diseases	Disease or Syndrome	977	39	0.01	NA	1	1
CADPS2	93664	Parkinson	C0030567	disease	Nervous System Diseases	Disease or Syndrome	2078	990	0.01	NA	1	1
CADPS2	93664	Abnormal	C0233514	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	910	121	0.01	NA	1	1
CADPS2	93664	Persistent	C0266568	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	33	4	0.01	NA	1	1
CADPS2	93664	Developme	C0424605	phenotype	Mental Disorders	Mental or Behavioral Dysfunc	584	68	0.01	NA	1	1
CADPS2	93664	Global dev	C0557874	disease	NA	Mental or Behavioral Dysfunc	1825	553	0.01	NA	1	1
CADPS2	93664	Intellectua	C3714756	group	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	2165	159	0.01	NA	1	1
NKAIN4	128414	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.1	NA	1	1
NKAIN4	128414	Pseudocho	C1168443	phenotype	NA	Laboratory Procedure	39	568	0.1	NA	1	1
SPSB1	80176	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.1	NA	1	1
SPSB1	80176	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.1	NA	1	1
SPSB1	80176	Leukemia,	C0023467	disease	Neoplasms	Neoplastic Process	3111	6892	0.1	NA	1	1
SPSB1	80176	Eosinophil	C0200638	phenotype	NA	Laboratory Procedure	610	1144	0.1	NA	1	1
SPSB1	80176	Blood basc	C0200641	phenotype	NA	Laboratory Procedure	272	452	0.1	NA	1	1
SPSB1	80176	Childhood	C0264408	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	303	317	0.1	NA	1	1
SPSB1	80176	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.02	NA	1	2
SPSB1	80176	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.02	NA	1	2
SPSB1	80176	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.02	NA	1	2
SPSB1	80176	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
SPSB1	80176	Ataxia Tela	C0004135	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	384	698	0.01	NA	1	1
SPSB1	80176	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
SPSB1	80176	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.01	NA	1	1
SPSB1	80176	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.01	NA	1	1
SPSB1	80176	Pancytope	C0030312	disease	Hemic and Lymphatic Diseases	Disease or Syndrome	253	15	0.01	NA	1	1
SPSB1	80176	Atrophy of	C0156312	disease	Male Urogenital Diseases; Endocrine System Diseases	Disease or Syndrome	29	0	0.01	NA	1	1
SPSB1	80176	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
SPSB1	80176	Schnyder c	C0271287	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Disease or Syndrome	7	13	0.01	NA	1	1
SPSB1	80176	Deformity	C0302142	group	Pathological Conditions, Signs and Symptoms; Congenital, Hereditary, and N	Anatomical Abnormality	350	26	0.01	NA	1	1
SPSB1	80176	Recurrent	C0521158	phenotype	NA	Neoplastic Process	735	33	0.01	NA	1	1
SPSB1	80176	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.01	NA	1	1
SPSB1	80176	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
SPSB1	80176	Respirator	C1145670	disease	Respiratory Tract Diseases	Disease or Syndrome	319	23	0.01	NA	1	1
SPSB1	80176	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.01	NA	1	1
SPSB1	80176	Human imi	C3854222	disease	NA	Disease or Syndrome	985	56	0.01	NA	1	1
SPSB1	80176	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
RAD52	5893	Malignant	C0242379	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4173	1142	0.45	NA	1	5
RAD52	5893	Squamous	C0007137	disease	Neoplasms	Neoplastic Process	2507	257	0.33	NA	1	3
RAD52	5893	Lung Neop	C0024121	group	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1486	39	0.3	NA	1	1
RAD52	5893	Carcinoma	C0684249	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	4081	1204	0.15	NA	1	5
RAD52	5893	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.1	NA	1	10
RAD52	5893	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.1	NA	1	13
RAD52	5893	Systolic Pre	C0871470	phenotype	NA	Clinical Attribute	843	1931	0.1	NA	1	3
RAD52	5893	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.1	NA	1	10
RAD52	5893	Blood Prot	C2985280	phenotype	NA	Laboratory Procedure	1156	2575	0.1	NA	1	1
RAD52	5893	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.06	NA	1	6
RAD52	5893	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.06	NA	1	6
RAD52	5893	Primary ma	C1306460	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3894	981	0.05	NA	1	5
RAD52	5893	Squamous	C0149782	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	670	283	0.03	NA	1	3
RAD52	5893	Carcinoger	C0596263	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6243	355	0.03	NA	1	3
RAD52	5893	Carcinoma	C0007097	group	Neoplasms	Neoplastic Process	2462	103	0.02	NA	1	2

RAD52	5893	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.02	NA	1	2
RAD52	5893	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.02	NA	1	2
RAD52	5893	Adenocarc	C0152013	disease	Neoplasms	Neoplastic Process	2438	563	0.02	NA	1	2
RAD52	5893	Liver carci	C2239176	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5725	942	0.02	NA	1	2
RAD52	5893	Adenocarc	C0001418	group	Neoplasms	Neoplastic Process	2235	168	0.01	NA	1	1
RAD52	5893	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.01	NA	1	1
RAD52	5893	Malignant	C0007115	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	949	103	0.01	NA	1	1
RAD52	5893	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
RAD52	5893	Malignant	C0007847	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1718	245	0.01	NA	1	1
RAD52	5893	Cockayne S	C0009207	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	85	11	0.01	NA	1	1
RAD52	5893	Fanconi An	C0015625	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	394	173	0.01	NA	1	1
RAD52	5893	Giardiasis	C0017536	disease	Digestive System Diseases; Infections	Disease or Syndrome	48	0	0.01	NA	1	1
RAD52	5893	Glioma	C0017638	disease	Neoplasms	Neoplastic Process	3097	353	0.01	NA	1	1
RAD52	5893	Hepatitis B	C0019163	disease	Digestive System Diseases; Infections	Disease or Syndrome	1449	519	0.01	NA	1	1
RAD52	5893	Chronic Ly	C0023434	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1447	291	0.01	NA	1	1
RAD52	5893	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.01	NA	0	1
RAD52	5893	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
RAD52	5893	Polyarterit	C0031036	disease	Skin and Connective Tissue Diseases; Cardiovascular Diseases	Disease or Syndrome	70	0	0.01	NA	1	1
RAD52	5893	Thyroid Ne	C0040136	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1164	135	0.01	NA	1	1
RAD52	5893	Tumor Pro	C0178874	phenotype	Pathological Conditions, Signs and Symptoms	Neoplastic Process	3865	72	0.01	NA	1	1
RAD52	5893	Mucoepide	C0206694	disease	Neoplasms	Neoplastic Process	153	6	0.01	NA	1	1
RAD52	5893	Caffeine re	C0236734	group	NA	Mental or Behavioral Dysfunc	360	56	0.01	NA	1	1
RAD52	5893	Papillary th	C0238463	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1348	204	0.01	NA	1	1
RAD52	5893	Malignant	C0278996	disease	Neoplasms	Neoplastic Process	767	118	0.01	NA	1	1
RAD52	5893	Cervix carc	C0302592	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1881	283	0.01	NA	1	1
RAD52	5893	Nijmegen I	C0398791	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	94	144	0.01	NA	1	1
RAD52	5893	Thyroid ca	C0549473	disease	Neoplasms; Endocrine System Diseases	Neoplastic Process	1175	145	0.01	NA	1	1
RAD52	5893	Hereditary	C0677776	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	74	2117	0.01	NA	0	1
RAD52	5893	Epithelial c	C0677886	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	1224	129	0.01	NA	0	1
RAD52	5893	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.01	NA	1	1
RAD52	5893	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
RAD52	5893	Malignant	C0751688	disease	Neoplasms	Neoplastic Process	193	12	0.01	NA	1	1
RAD52	5893	ovarian ne	C0919267	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2542	757	0.01	NA	1	1
RAD52	5893	Salivary gla	C0948750	disease	Neoplasms; Stomatognathic Diseases	Neoplastic Process	47	5	0.01	NA	1	1
RAD52	5893	Malignant	C1140680	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2563	315	0.01	NA	1	1
RAD52	5893	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.01	NA	1	1
RAD52	5893	Childhood	C1332977	disease	Neoplasms	Neoplastic Process	1740	140	0.01	NA	1	1
RAD52	5893	Differentia	C1337013	disease	NA	Neoplastic Process	245	80	0.01	NA	1	1
RAD52	5893	Mammary	C1458155	group	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	2780	385	0.01	NA	1	1
RAD52	5893	MYELODYS	C3463824	group	Hemic and Lymphatic Diseases	Neoplastic Process	1033	95	0.01	NA	1	1
RAD52	5893	FANCONI A	C3469521	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nutrition	Disease or Syndrome	360	194	0.01	NA	1	1
RAD52	5893	Head and N	C3887461	disease	Neoplasms	Neoplastic Process	786	118	0.01	NA	1	1
RAD52	5893	POLYARTE	C3887654	disease	Skin and Connective Tissue Diseases; Cardiovascular Diseases	Disease or Syndrome	63	12	0.01	NA	1	1
RAD52	5893	cervical ca	C4048328	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications	Neoplastic Process	1817	268	0.01	NA	1	1
RAD52	5893	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
RAD52	5893	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	0	1
RAD52	5893	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
RAD52	5893	familial chr	C4733330	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Neoplasr	Neoplastic Process	4	0	0.01	NA	0	1
MYO10	4651	Weight Ga	C0043094	phenotype	Pathological Conditions, Signs and Symptoms	Finding	124	12	0.3	NA	1	1
MYO10	4651	Cholelithia	C0008350	disease	Digestive System Diseases	Disease or Syndrome	252	90	0.1	NA	1	1

MYO10	4651	Cholecysto	C0947622	disease	Digestive System Diseases	Disease or Syndrome	156	62	0.1	NA	1	1
MYO10	4651	Major Dep	C1269683	disease	Mental Disorders	Mental or Behavioral Dysfunc	1236	1451	0.1	NA	1	1
MYO10	4651	Fatty acid	C1281901	group	NA	Laboratory Procedure	50	116	0.1	NA	1	1
MYO10	4651	Age at mer	C1314691	phenotype	Behavior and Behavior Mechanisms	Finding	267	591	0.1	NA	1	1
MYO10	4651	Neoplasm	C0027627	phenotype	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	6385	327	0.05	NA	1	5
MYO10	4651	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.04	NA	1	4
MYO10	4651	Tumor Cell	C1269955	phenotype	NA	Neoplastic Process	6626	169	0.04	NA	1	4
MYO10	4651	Malignant	C0006142	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6941	3417	0.03	NA	1	3
MYO10	4651	Breast Car	C0678222	disease	Neoplasms; Skin and Connective Tissue Diseases	Neoplastic Process	6776	2793	0.03	NA	1	3
MYO10	4651	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.02	NA	1	2
MYO10	4651	Secondary	C0686619	disease	Pathological Conditions, Signs and Symptoms; Neoplasms	Neoplastic Process	2825	188	0.02	NA	1	2
MYO10	4651	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.02	NA	1	2
MYO10	4651	Non-Small	C0007131	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	3926	712	0.01	NA	1	1
MYO10	4651	Colorectal	C0009402	disease	Digestive System Diseases; Neoplasms	Neoplastic Process	5473	1962	0.01	NA	1	1
MYO10	4651	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
MYO10	4651	Microphth	C0026010	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Eye Dise	Congenital Abnormality	337	40	0.01	NA	0	1
MYO10	4651	Neuroblast	C0027819	disease	Neoplasms	Neoplastic Process	2509	386	0.01	NA	1	1
MYO10	4651	Osteosarco	C0029463	disease	Neoplasms	Neoplastic Process	2283	178	0.01	NA	1	1
MYO10	4651	Dental Wh	C0043154	disease	Stomatognathic Diseases	Disease or Syndrome	22	0	0.01	NA	1	1
MYO10	4651	Squamous	C0149782	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	670	283	0.01	NA	1	1
MYO10	4651	Secondary	C0153676	disease	Neoplasms; Respiratory Tract Diseases	Neoplastic Process	1370	20	0.01	NA	1	1
MYO10	4651	Exencepha	C0266453	disease	Congenital, Hereditary, and Neonatal Diseases and Abnormalities; Nervous	Congenital Abnormality	47	0	0.01	NA	1	1
MYO10	4651	Multiple m	C0346429	phenotype	Neoplasms	Neoplastic Process	163	3	0.01	NA	1	1
MYO10	4651	Metabolic	C0524620	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	1125	591	0.01	NA	0	1
MYO10	4651	Osteosarco	C0585442	disease	Neoplasms	Neoplastic Process	2247	151	0.01	NA	1	1
MYO10	4651	Intraocular	C0595921	disease	Eye Diseases	Disease or Syndrome	304	56	0.01	NA	1	1
MYO10	4651	Central ne	C0700095	disease	Neoplasms; Nervous System Diseases	Neoplastic Process	2419	231	0.01	NA	1	1
MYO10	4651	Childhood	C1332986	disease	Neoplasms	Neoplastic Process	2208	151	0.01	NA	1	1
MYO10	4651	Pancreatic	C1335302	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	970	22	0.01	NA	1	1
MYO10	4651	HIV-1 infec	C2363741	disease	NA	Disease or Syndrome	695	94	0.01	NA	1	1
MYO10	4651	Childhood	C4086165	disease	Neoplasms	Neoplastic Process	2420	231	0.01	NA	1	1
MYO10	4651	Malignant	C4722085	disease	NA	Neoplastic Process	3669	502	0.01	NA	1	1
TSC22D3	1831	Hyperinsul	C0020459	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	620	64	0.3	NA	1	1
TSC22D3	1831	Male infert	C0021364	phenotype	Male Urogenital Diseases	Disease or Syndrome	516	146	0.3	NA	1	1
TSC22D3	1831	Testicular	C0039584	group	Male Urogenital Diseases; Endocrine System Diseases	Disease or Syndrome	16	1	0.3	NA	1	1
TSC22D3	1831	Subfertility	C0848676	phenotype	Male Urogenital Diseases	Sign or Symptom	70	2	0.3	NA	1	1
TSC22D3	1831	Male steril	C0917731	phenotype	Male Urogenital Diseases	Finding	48	0	0.3	NA	1	1
TSC22D3	1831	Endogenou	C1257963	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	26	0	0.3	NA	1	1
TSC22D3	1831	Exogenous	C1257964	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	26	0	0.3	NA	1	1
TSC22D3	1831	Compensa	C1257965	disease	Nutritional and Metabolic Diseases	Disease or Syndrome	30	2	0.3	NA	1	1
TSC22D3	1831	Weight de	C1262477	phenotype	Pathological Conditions, Signs and Symptoms	Finding	271	3	0.3	NA	1	1
TSC22D3	1831	Neoplasms	C0027651	group	Neoplasms	Neoplastic Process	10161	1644	0.05	NA	1	5
TSC22D3	1831	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.04	NA	1	4
TSC22D3	1831	Primary ma	C1306459	group	Neoplasms	Neoplastic Process	8221	1374	0.04	NA	1	4
TSC22D3	1831	Alzheimer'	C0002395	disease	Nervous System Diseases; Mental Disorders	Disease or Syndrome	3397	1843	0.03	NA	1	3
TSC22D3	1831	Post-Traun	C0038436	disease	Mental Disorders	Mental or Behavioral Dysfunc	418	117	0.03	NA	1	3
TSC22D3	1831	Arthritis	C0003864	disease	Musculoskeletal Diseases	Disease or Syndrome	1072	69	0.02	NA	1	2
TSC22D3	1831	Rheumato	C0003873	disease	Skin and Connective Tissue Diseases; Musculoskeletal Diseases; Immune S	Disease or Syndrome	2723	2387	0.02	NA	1	2
TSC22D3	1831	Autoimmu	C0004364	group	Immune System Diseases	Disease or Syndrome	1758	428	0.02	NA	1	2
TSC22D3	1831	Colitis	C0009319	disease	Digestive System Diseases	Disease or Syndrome	1135	15	0.02	NA	1	2

TSC22D3	1831	Lupus Eryt	C0024141	disease	Skin and Connective Tissue Diseases; Immune System Diseases	Disease or Syndrome	1883	1172	0.02	NA	1	2
TSC22D3	1831	Obesity	C0028754	disease	Pathological Conditions, Signs and Symptoms; Nutritional and Metabolic Di	Disease or Syndrome	2821	1111	0.02	NA	1	2
TSC22D3	1831	Psoriasis	C0033860	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	1308	705	0.02	NA	1	2
TSC22D3	1831	Septicemia	C0036690	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1285	141	0.02	NA	1	2
TSC22D3	1831	Sepsis	C0243026	disease	Pathological Conditions, Signs and Symptoms; Infections	Disease or Syndrome	1453	144	0.02	NA	1	2
TSC22D3	1831	Ascites	C0003962	phenotype	Pathological Conditions, Signs and Symptoms	Disease or Syndrome	198	7	0.01	NA	1	1
TSC22D3	1831	Asthma	C0004096	disease	Respiratory Tract Diseases; Immune System Diseases	Disease or Syndrome	2096	1536	0.01	NA	1	1
TSC22D3	1831	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.01	NA	1	1
TSC22D3	1831	CNS disord	C0007682	group	Nervous System Diseases	Disease or Syndrome	319	11	0.01	NA	1	1
TSC22D3	1831	Cushing Sy	C0010481	disease	Endocrine System Diseases	Disease or Syndrome	126	9	0.01	NA	1	1
TSC22D3	1831	Mental De	C0011570	disease	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1478	271	0.01	NA	1	1
TSC22D3	1831	Depressive	C0011581	disease	Mental Disorders	Mental or Behavioral Dysfunc	1719	297	0.01	NA	1	1
TSC22D3	1831	Dermatitis	C0011603	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	496	16	0.01	NA	1	1
TSC22D3	1831	Encephalo	C0014070	disease	Infections; Nervous System Diseases	Disease or Syndrome	865	7	0.01	NA	1	1
TSC22D3	1831	Fibromyalg	C0016053	disease	Musculoskeletal Diseases; Nervous System Diseases	Disease or Syndrome	143	38	0.01	NA	1	1
TSC22D3	1831	Gonorrhea	C0018081	disease	Female Urogenital Diseases and Pregnancy Complications; Infections; Ma	Disease or Syndrome	261	7	0.01	NA	1	1
TSC22D3	1831	Inflammat	C0021390	group	Digestive System Diseases	Disease or Syndrome	1577	605	0.01	NA	1	1
TSC22D3	1831	Kidney Fail	C0022660	disease	Female Urogenital Diseases and Pregnancy Complications; Male Urogenital	Disease or Syndrome	826	32	0.01	NA	1	1
TSC22D3	1831	leukemia	C0023418	disease	Neoplasms	Neoplastic Process	2111	144	0.01	NA	1	1
TSC22D3	1831	Lupus Vulg	C0024131	disease	Infections; Skin and Connective Tissue Diseases	Disease or Syndrome	526	44	0.01	NA	1	1
TSC22D3	1831	Lupus Eryt	C0024138	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	552	46	0.01	NA	1	1
TSC22D3	1831	melanoma	C0025202	disease	Neoplasms	Neoplastic Process	3087	515	0.01	NA	1	1
TSC22D3	1831	Multiple M	C0026764	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases; C	Neoplastic Process	1740	865	0.01	NA	1	1
TSC22D3	1831	Myocardia	C0027051	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	1800	680	0.01	NA	1	1
TSC22D3	1831	Nodule	C0028259	phenotype	NA	Acquired Abnormality	278	19	0.01	NA	1	1
TSC22D3	1831	Osteopenia	C0029453	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	845	61	0.01	NA	1	1
TSC22D3	1831	Osteoporo	C0029456	disease	Nutritional and Metabolic Diseases; Musculoskeletal Diseases	Disease or Syndrome	1098	182	0.01	NA	1	1
TSC22D3	1831	Personality	C0031212	group	Mental Disorders	Mental or Behavioral Dysfunc	49	8	0.01	NA	1	1
TSC22D3	1831	Uterine Fib	C0042133	group	Neoplasms	Neoplastic Process	569	154	0.01	NA	1	1
TSC22D3	1831	Virus Disea	C0042769	group	Infections	Disease or Syndrome	1471	42	0.01	NA	1	1
TSC22D3	1831	Adrenal Cu	C0342443	disease	Endocrine System Diseases	Disease or Syndrome	120	9	0.01	NA	1	1
TSC22D3	1831	Depressed	C0344315	phenotype	Behavior and Behavior Mechanisms	Mental or Behavioral Dysfunc	1461	269	0.01	NA	1	1
TSC22D3	1831	Lupus Eryt	C0409974	disease	Pathological Conditions, Signs and Symptoms; Skin and Connective Tissue D	Disease or Syndrome	558	44	0.01	NA	1	1
TSC22D3	1831	Dyslexia	C0476254	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	118	30	0.01	NA	1	1
TSC22D3	1831	Vascular in	C0947751	phenotype	Cardiovascular Diseases	Disease or Syndrome	305	3	0.01	NA	1	1
TSC22D3	1831	Cutaneous	C1276146	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	36	3	0.01	NA	1	1
TSC22D3	1831	Primary cu	C1302772	disease	Neoplasms; Skin and Connective Tissue Diseases; Immune System Disease	Neoplastic Process	19	0	0.01	NA	1	1
TSC22D3	1831	Childhood	C1332977	disease	Neoplasms	Neoplastic Process	1740	140	0.01	NA	1	1
TSC22D3	1831	Differentia	C1337013	disease	NA	Neoplastic Process	245	80	0.01	NA	1	1
TSC22D3	1831	Clostridiun	C1411966	disease	NA	Disease or Syndrome	106	0	0.01	NA	1	1
TSC22D3	1831	Inflammat	C3875321	disease	Skin and Connective Tissue Diseases	Disease or Syndrome	382	6	0.01	NA	1	1
TSC22D3	1831	Inflammat	C4020969	disease	NA	Disease or Syndrome	88	1	0.01	NA	1	1
TSC22D3	1831	Non-obstru	C4021107	disease	Male Urogenital Diseases	Disease or Syndrome	168	88	0.01	NA	1	1
TSC22D3	1831	Immunosu	C4048329	disease	NA	Disease or Syndrome	632	9	0.01	NA	1	1
TSC22D3	1831	Carcinoma	C4721610	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Neoplastic Process	2841	327	0.01	NA	1	1
TSC22D3	1831	Primary dif	C4722172	disease	NA	Neoplastic Process	167	41	0.01	NA	1	1
USP34	9736	Atrial Fibri	C0004238	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	939	584	0.4	NA	1	1
USP34	9736	Paroxysma	C0235480	disease	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Disease or Syndrome	226	8	0.3	NA	1	1
USP34	9736	Persistent	C2585653	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Pathologic Function	156	0	0.3	NA	1	1
USP34	9736	familial atr	C3468561	phenotype	Pathological Conditions, Signs and Symptoms; Cardiovascular Diseases	Pathologic Function	157	1	0.3	NA	1	1

USP34	9736	Body Heigh	C0005890	phenotype	NA	Organism Attribute	1903	3972	0.1	NA	1	2
USP34	9736	Cardiovasc	C0007222	group	Cardiovascular Diseases	Disease or Syndrome	1756	711	0.1	NA	1	1
USP34	9736	Glomerula	C0017654	phenotype	NA	Diagnostic Procedure	399	1033	0.1	NA	1	1
USP34	9736	White Bloo	C0023508	phenotype	NA	Laboratory Procedure	681	1322	0.1	NA	1	1
USP34	9736	Smoking	C0037369	phenotype	Behavior and Behavior Mechanisms	Individual Behavior	391	765	0.1	NA	1	1
USP34	9736	Vital capac	C0042834	phenotype	NA	Clinical Attribute	430	746	0.1	NA	1	1
USP34	9736	Uric acid m	C0202239	phenotype	NA	Laboratory Procedure	264	1463	0.1	NA	1	3
USP34	9736	Reticulocyt	C0206161	phenotype	NA	Laboratory Procedure	234	474	0.1	NA	1	1
USP34	9736	Finding of	C1261502	phenotype	NA	Finding	653	1206	0.1	NA	1	1
USP34	9736	Age at mer	C1314691	phenotype	Behavior and Behavior Mechanisms	Finding	267	591	0.1	NA	1	1
USP34	9736	Smoking B	C1519383	phenotype	Behavior and Behavior Mechanisms	Individual Behavior	249	742	0.1	NA	1	1
USP34	9736	Congenital	C0000768	group	Congenital, Hereditary, and Neonatal Diseases and Abnormalities	Congenital Abnormality	1098	73	0.01	NA	1	1
USP34	9736	Malignant	C0006826	group	Neoplasms	Neoplastic Process	8621	1641	0.01	NA	1	1
USP34	9736	Lymphoma	C0024301	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	477	83	0.01	NA	0	1
USP34	9736	Mild Ment	C0026106	disease	Pathological Conditions, Signs and Symptoms; Nervous System Diseases; I	Mental or Behavioral Dysfunc	340	56	0.01	NA	1	1
USP34	9736	Polycystic	C0032460	disease	Neoplasms; Female Urogenital Diseases and Pregnancy Complications; En	Disease or Syndrome	988	363	0.01	NA	0	1
USP34	9736	Ankylosing	C0038013	disease	Musculoskeletal Diseases	Disease or Syndrome	710	609	0.01	NA	1	1
USP34	9736	Diffuse Lar	C0079744	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	1043	127	0.01	NA	1	1
USP34	9736	Pseudolym	C0221269	disease	Hemic and Lymphatic Diseases	Neoplastic Process	58	0	0.01	NA	1	1
USP34	9736	Pancreatic	C0235974	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2689	322	0.01	NA	1	1
USP34	9736	Malignant	C0346647	disease	Digestive System Diseases; Neoplasms; Endocrine System Diseases	Neoplastic Process	2667	277	0.01	NA	1	1
USP34	9736	Adult Diffu	C1332201	disease	Neoplasms; Immune System Diseases; Hemic and Lymphatic Diseases	Neoplastic Process	504	46	0.01	NA	1	1

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