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Chapter 2

Supplementary Table 2.1A: The frequency of tier 1 ICD-10 recorded hospital diagnoses present in our 19,369 UK Biobank sample

Tier 1 Medical Conditions	Frequency	Description
Chapter XXI	6606	Chapter XXI Factors influencing health status and contact with health services
Chapter XI	6123	Chapter XI Diseases of the digestive system
Chapter XVIII	5540	Chapter XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified
Chapter IX	4189	Chapter IX Diseases of the circulatory system
Chapter XIV	4185	Chapter XIV Diseases of the genitourinary system
Chapter II	3215	Chapter II Neoplasms
Chapter XIII	2701	Chapter XIII Diseases of the musculoskeletal system and connective tissue
Chapter IV	2081	Chapter IV Endocrine, nutritional and metabolic diseases
Chapter X	1986	Chapter X Diseases of the respiratory system
Chapter XII	1578	Chapter XII Diseases of the skin and subcutaneous tissue
Chapter XIX	1489	Chapter XIX Injury, poisoning and certain other consequences of external causes
Chapter VII	1362	Chapter VII Diseases of the eye and adnexa
Chapter VI	1200	Chapter VI Diseases of the nervous system
Chapter XX	925	Chapter XX External causes of morbidity and mortality
Chapter I	900	Chapter I Certain infectious and parasitic diseases
Chapter XV	845	Chapter XV Pregnancy, childbirth and the puerperium
Chapter V	841	Chapter V Mental and behavioural disorders
Chapter III	749	Chapter III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism
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Tier 1 hospital record category definitions: <https://biobank.ndph.ox.ac.uk/showcase/field.cgi?id=41270>

Supplementary Table 2.1B: The frequency of tier 2 ICD-10 recorded hospital diagnoses present in our 19,369 UK Biobank sample

Tier 2 Medical Condition	Frequency	Description
Block Z80-Z99	4110	Z80-Z99 Persons with potential health hazards related to family and personal history and certain conditions influencing health status
Block K20-K31	2407	K20-K31 Diseases of oesophagus, stomach and duodenum
Block K55-K64	2385	K55-K64 Other diseases of intestines
Block N80-N98	2358	N80-N98 Noninflammatory disorders of female genital tract
Block R10-R19	2185	R10-R19 Symptoms and signs involving the digestive system and abdomen
Block I10-I15	2184	I10-I15 Hypertensive diseases
Block D10-D36	1971	D10-D36 Benign neoplasms
Block Z40-Z54	1768	Z40-Z54 Persons encountering health services for specific procedures and health care
Block R00-R09	1761	R00-R09 Symptoms and signs involving the circulatory and respiratory systems
Block Z00-Z13	1721	Z00-Z13 Persons encountering health services for examination and investigation
Block K40-K46	1664	K40-K46 Hernia
Block I80-I89	1611	I80-I89 Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified
Block R50-R69	1494	R50-R69 General symptoms and signs
Block Z30-Z39	1293	Z30-Z39 Persons encountering health services in circumstances related to reproduction
Block E70-E90	1168	E70-E90 Metabolic disorders
Block M20-M25	1094	M20-M25 Other joint disorders
Block J40-J47	1087	J40-J47 Chronic lower respiratory diseases
Block N30-N39	981	N30-N39 Other diseases of urinary system
Block R30-R39	976	R30-R39 Symptoms and signs involving the urinary system

Block I20-I25	788	I20-I25 Ischaemic heart diseases
Block N40-N51	749	N40-N51 Diseases of male genital organs
Block M15-M19	733	M15-M19 Arthrosis
Block M70-M79	725	M70-M79 Other soft tissue disorders
Block K00-K14	709	K00-K14 Diseases of oral cavity, salivary glands and jaws
Block J30-J39	641	J30-J39 Other diseases of upper respiratory tract
Block Z70-Z76	638	Z70-Z76 Persons encountering health services in other circumstances
Block K50-K52	625	K50-K52 Noninfective enteritis and colitis
Block H25-H28	619	H25-H28 Disorders of lens
Block G50-G59	597	G50-G59 Nerve, nerve root and plexus disorders
Block L80-L99	577	L80-L99 Other disorders of the skin and subcutaneous tissue
Block K80-K87	555	K80-K87 Disorders of gallbladder, biliary tract and pancreas
Block C43-C44	546	C43-C44 Melanoma and other malignant neoplasms of skin
Block E00-E07	543	E00-E07 Disorders of thyroid gland
Block O60-O75	542	O60-O75 Complications of labour and delivery
Block T80-T88	497	T80-T88 Complications of surgical and medical care, not elsewhere classified
Block L60-L75	492	L60-L75 Disorders of skin appendages
Block G40-G47	454	G40-G47 Episodic and paroxysmal disorders
Block E10-E14	446	E10-E14 Diabetes mellitus
Block H00-H06	430	H00-H06 Disorders of eyelid, lacrimal system and orbit
Block I30-I52	428	I30-I52 Other forms of heart disease
Block Y83-Y84	410	Y83-Y84 Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Block O30-O48	397	O30-O48 Maternal care related to the fetus and amniotic cavity and possible delivery problems
Block K90-K93	377	K90-K93 Other diseases of the digestive system
Block M50-M54	367	M50-M54 Other dorsopathies
Block F30-F39	359	F30-F39 Mood [affective] disorders
Block D60-D64	341	D60-D64 Aplastic and other anaemias
Block B95-B98	333	B95-B98 Bacterial, viral and other infectious agents
Block L00-L08	333	L00-L08 Infections of the skin and subcutaneous tissue
Block M05-M14	325	M05-M14 Inflammatory polyarthropathies
Block F10-F19	321	F10-F19 Mental and behavioural disorders due to psychoactive substance use
Block C50-C50	315	C50-C50 Malignant neoplasm of breast
Block N70-N77	297	N70-N77 Inflammatory diseases of female pelvic organs
Block R70-R79	280	R70-R79 Abnormal findings on examination of blood, without diagnosis
Block D50-D53	276	D50-D53 Nutritional anaemias
Block N60-N64	264	N60-N64 Disorders of breast
Block A00-A09	261	A00-A09 Intestinal infectious diseases
Block N20-N23	255	N20-N23 Urolithiasis
Block R90-R94	251	R90-R94 Abnormal findings on diagnostic imaging and in function studies, without diagnosis
Block S60-S69	239	S60-S69 Injuries to the wrist and hand
Block R20-R23	238	R20-R23 Symptoms and signs involving the skin and subcutaneous tissue
Block R40-R46	232	R40-R46 Symptoms and signs involving cognition, perception, emotional state and behaviour
Block C60-C63	231	C60-C63 Malignant neoplasms of male genital organs
Block M45-M49	229	M45-M49 Spondylopathies
Block E65-E68	218	E65-E68 Obesity and other hyperalimentation

Block F40-F48	218	F40-F48 Neurotic, stress-related and somatoform disorders
Block O00-O08	211	O00-O08 Pregnancy with abortive outcome
Block S00-S09	210	S00-S09 Injuries to the head
Block H30-H36	204	H30-H36 Disorders of choroid and retina
Block O20-O29	195	O20-O29 Other maternal disorders predominantly related to pregnancy
Block J09-J18	174	J09-J18 Influenza and pneumonia
Block Y40-Y59	174	Y40-Y59 Drugs, medicaments and biological substances causing adverse effects in therapeutic use
Block O80-O84	171	O80-O84 Delivery
Block D00-D09	166	D00-D09 In situ neoplasms
Block J20-J22	150	J20-J22 Other acute lower respiratory infections
Block K35-K38	139	K35-K38 Diseases of appendix
Block M65-M68	138	M65-M68 Disorders of synovium and tendon
Block S50-S59	136	S50-S59 Injuries to the elbow and forearm
Block I60-I69	134	I60-I69 Cerebrovascular diseases
Block M80-M85	132	M80-M85 Disorders of bone density and structure
Block L20-L30	131	L20-L30 Dermatitis and eczema
Block I70-I79	129	I70-I79 Diseases of arteries, arterioles and capillaries
Block S80-S89	127	S80-S89 Injuries to the knee and lower leg
Block Z55-Z65	127	Z55-Z65 Persons with potential health hazards related to socioeconomic and psychosocial circumstances
Block N17-N19	125	N17-N19 Renal failure
Block H90-H95	120	H90-H95 Other disorders of ear
Block H40-H42	119	H40-H42 Glaucoma
Block J00-J06	115	J00-J06 Acute upper respiratory infections

Block K70-K77	115	K70-K77 Diseases of liver
Block C76-C80	111	C76-C80 Malignant neoplasms of ill-defined, secondary and unspecified sites
Block N10-N16	109	N10-N16 Renal tubulo-interstitial diseases
Block W00-W19	104	W00-W19 Falls
Block H65-H75	103	H65-H75 Diseases of middle ear and mastoid
Block I95-I99	103	I95-I99 Other and unspecified disorders of the circulatory system
Block R83-R89	102	R83-R89 Abnormal findings on examination of other body fluids, substances and tissues, without diagnosis
Block D37-D48	101	D37-D48 Neoplasms of uncertain or unknown behaviour
Block H53-H54	100	H53-H54 Visual disturbances and blindness
Block L40-L45	100	L40-L45 Papulosquamous disorders
Block R25-R29	100	R25-R29 Symptoms and signs involving the nervous and musculoskeletal systems
Block H49-H52	97	H49-H52 Disorders of ocular muscles, binocular movement, accommodation and refraction
Block L55-L59	96	L55-L59 Radiation-related disorders of the skin and subcutaneous tissue
Block D70-D77	93	D70-D77 Other diseases of blood and blood-forming organs
Block O94-O99	92	O94-O99 Other obstetric conditions, not elsewhere classified
Block T36-T50	88	T36-T50 Poisoning by drugs, medicaments and biological substances
Block B25-B34	87	B25-B34 Other viral diseases
Block K65-K67	85	K65-K67 Diseases of peritoneum
Block D65-D69	84	D65-D69 Coagulation defects, purpura and other haemorrhagic conditions
Block J90-J94	80	J90-J94 Other diseases of pleura
Block T90-T98	78	T90-T98 Sequelae of injuries, of poisoning and of other consequences of external causes
Block I26-I28	76	I26-I28 Pulmonary heart disease and diseases of pulmonary circulation
Block C81-C96	73	C81-C96 Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue

Block E20-E35	72	E20-E35 Disorders of other endocrine glands
Block S40-S49	71	S40-S49 Injuries to the shoulder and upper arm
Block C64-C68	70	C64-C68 Malignant neoplasms of urinary tract
Block B35-B49	69	B35-B49 Mycoses
Block O10-O16	69	O10-O16 Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium
Block S20-S29	66	S20-S29 Injuries to the thorax
Block R47-R49	63	R47-R49 Symptoms and signs involving speech and voice
Block A30-A49	62	A30-A49 Other bacterial diseases
Block C51-C58	62	C51-C58 Malignant neoplasms of female genital organs
Block H80-H83	62	H80-H83 Diseases of inner ear
Block S30-S39	62	S30-S39 Injuries to the abdomen, lower back, lumbar spine and pelvis
Block B00-B09	61	B00-B09 Viral infections characterized by skin and mucous membrane lesions
Block G90-G99	58	G90-G99 Other disorders of the nervous system
Block W20-W49	55	W20-W49 Exposure to inanimate mechanical forces
Block H60-H62	52	H60-H62 Diseases of external ear
Block J95-J99	51	J95-J99 Other diseases of the respiratory system
Block T51-T65	50	T51-T65 Toxic effects of substances chiefly nonmedicinal as to source
Block G35-G37	48	G35-G37 Demyelinating diseases of the central nervous system
Block M86-M90	47	M86-M90 Other osteopathies
Block N25-N29	47	N25-N29 Other disorders of kidney and ureter
Block Z20-Z29	47	Z20-Z29 Persons with potential health hazards related to communicable diseases
Block G80-G83	46	G80-G83 Cerebral palsy and other paralytic syndromes
Block N99-N99	45	N99-N99 Other disorders of the genitourinary system

Block S90-S99	45	S90-S99 Injuries to the ankle and foot
Block D80-D89	44	D80-D89 Certain disorders involving the immune mechanism
Block H15-H22	43	H15-H22 Disorders of sclera, cornea, iris and ciliary body
Block Y85-Y89	43	Y85-Y89 Sequelae of external causes of morbidity and mortality
Block C15-C26	42	C15-C26 Malignant neoplasms of digestive organs
Block H10-H13	42	H10-H13 Disorders of conjunctiva
Block O85-O92	40	O85-O92 Complications predominantly related to the puerperium
Block I05-I09	39	I05-I09 Chronic rheumatic heart diseases
Block G60-G64	38	G60-G64 Polyneuropathies and other disorders of the peripheral nervous system
Block N00-N08	37	N00-N08 Glomerular diseases
Block T66-T78	37	T66-T78 Other and unspecified effects of external causes
Block M40-M43	33	M40-M43 Deforming dorsopathies
Block Q50-Q56	33	Q50-Q56 Congenital malformations of genital organs
Block B15-B19	32	B15-B19 Viral hepatitis
Block H43-H45	32	H43-H45 Disorders of vitreous body and globe
Block H55-H59	32	H55-H59 Other disorders of eye and adnexa
Block G20-G26	31	G20-G26 Extrapyramidal and movement disorders
Block J80-J84	31	J80-J84 Other respiratory diseases principally affecting the interstitium
Block M91-M94	31	M91-M94 Chondropathies
Block E50-E64	30	E50-E64 Other nutritional deficiencies
Block V10-V19	29	V10-V19 Pedal cyclist injured in transport accident
Block M60-M63	27	M60-M63 Disorders of muscles
Block S10-S19	27	S10-S19 Injuries to the neck

Block C00-C14	26	C00-C14 Malignant neoplasms of lip, oral cavity and pharynx
Block L50-L54	26	L50-L54 Urticaria and erythema
Block R80-R82	26	R80-R82 Abnormal findings on examination of urine, without diagnosis
Block Q60-Q64	25	Q60-Q64 Congenital malformations of the urinary system
Block Q20-Q28	23	Q20-Q28 Congenital malformations of the circulatory system
Block S70-S79	23	S70-S79 Injuries to the hip and thigh
Block C30-C39	21	C30-C39 Malignant neoplasms of respiratory and intrathoracic organs
Block F50-F59	21	F50-F59 Behavioural syndromes associated with physiological disturbances and physical factors
Block T15-T19	20	T15-T19 Effects of foreign body entering through natural orifice
Block F20-F29	19	F20-F29 Schizophrenia, schizotypal and delusional disorders
Block M95-M99	19	M95-M99 Other disorders of the musculoskeletal system and connective tissue
Block W50-W64	19	W50-W64 Exposure to animate mechanical forces
Block X60-X84	19	X60-X84 Intentional self-harm
Block U00-U49	17	U00-U49 Provisional assignment of new diseases of uncertain etiology or emergency use
Block D55-D59	16	D55-D59 Haemolytic anaemias
Block F60-F69	16	F60-F69 Disorders of adult personality and behaviour
Block G00-G09	16	G00-G09 Inflammatory diseases of the central nervous system
Block Q10-Q18	16	Q10-Q18 Congenital malformations of eye, ear, face and neck
Block A50-A64	15	A50-A64 Infections with a predominantly sexual mode of transmission
Block V20-V29	15	V20-V29 Motorcycle rider injured in transport accident
Block C73-C75	14	C73-C75 Malignant neoplasms of thyroid and other endocrine glands
Block Q80-Q89	14	Q80-Q89 Other congenital malformations
Block T08-T14	14	T08-T14 Injuries to unspecified part of trunk, limb or body region

Block A80-A89	13	A80-A89 Viral infections of the central nervous system
Block G70-G73	13	G70-G73 Diseases of myoneural junction and muscle
Block Q38-Q45	13	Q38-Q45 Other congenital malformations of the digestive system
Block Y60-Y69	13	Y60-Y69 Misadventures to patients during surgical and medical care
Block F00-F09	12	F00-F09 Organic, including symptomatic, mental disorders
Block M00-M03	11	M00-M03 Infectious arthropathies
Block E15-E16	10	E15-E16 Other disorders of glucose regulation and pancreatic internal secretion
Block H46-H48	10	H46-H48 Disorders of optic nerve and visual pathways
Block V80-V89	10	V80-V89 Other land transport accidents
Block X40-X49	10	X40-X49 Accidental poisoning by and exposure to noxious substances
Block X50-X57	10	X50-X57 Overexertion, travel and privation
Block Y00-Y09	10	Y00-Y09 Assault
Block B65-B83	9	B65-B83 Helminthiases
Block T79-T79	9	T79-T79 Certain early complications of trauma
Block X20-X29	9	X20-X29 Contact with venomous animals and plants
Block T20-T25	8	T20-T25 Burns and corrosions of external body surface, specified by site
Block V40-V49	8	V40-V49 Car occupant injured in transport accident
Block B20-B24	7	B20-B24 Human immunodeficiency virus [HIV] disease
Block C69-C72	7	C69-C72 Malignant neoplasms of eye, brain and other parts of central nervous system
Block J60-J70	7	J60-J70 Lung diseases due to external agents
Block J85-J86	7	J85-J86 Suppurative and necrotic conditions of lower respiratory tract
Block Y10-Y34	7	Y10-Y34 Event of undetermined intent
Block Q65-Q79	6	Q65-Q79 Congenital malformations and deformations of the musculoskeletal system

Block T29-T32	6	T29-T32 Burns and corrosions of multiple and unspecified body regions
Block Y70-Y82	6	Y70-Y82 Medical devices associated with adverse incidents in diagnostic and therapeutic use
Block Y90-Y98	6	Y90-Y98 Supplementary factors related to causes of morbidity and mortality classified elsewhere
Block B90-B94	5	B90-B94 Sequelae of infectious and parasitic diseases
Block C45-C49	5	C45-C49 Malignant neoplasms of mesothelial and soft tissue
Block F99-F99	5	F99-F99 Unspecified mental disorder
Block G30-G32	5	G30-G32 Other degenerative diseases of the nervous system
Block T00-T07	5	T00-T07 Injuries involving multiple body regions
Block C97-C97	4	C97-C97 Malignant neoplasms of independent (primary) multiple sites
Block Q00-Q07	4	Q00-Q07 Congenital malformations of the nervous system
Block X00-X09	4	X00-X09 Exposure to smoke, fire and flames
Block X85-X99	4	X85-X99 Assault
Block B50-B64	3	B50-B64 Protozoal diseases
Block B99-B99	3	B99-B99 Other infectious diseases
Block C40-C41	3	C40-C41 Malignant neoplasms of bone and articular cartilage
Block G10-G14	3	G10-G14 Systemic atrophies primarily affecting the central nervous system
Block L10-L14	3	L10-L14 Bullous disorders
Block Q30-Q34	3	Q30-Q34 Congenital malformations of the respiratory system
Block T26-T28	3	T26-T28 Burns and corrosions confined to eye and internal organs
Block U82-U85	3	U82-U85 Resistance to antimicrobial and antineoplastic drugs
Block V01-V09	3	V01-V09 Pedestrian injured in transport accident
Block X10-X19	3	X10-X19 Contact with heat and hot substances
Block A15-A19	2	A15-A19 Tuberculosis

Block A20-A28	2	A20-A28 Certain zoonotic bacterial diseases
Block A65-A69	2	A65-A69 Other spirochaetal diseases
Block F80-F89	2	F80-F89 Disorders of psychological development
Block Q35-Q37	2	Q35-Q37 Cleft lip and cleft palate
Block V50-V59	2	V50-V59 Occupant of pick-up truck or van injured in transport accident
Block V70-V79	2	V70-V79 Bus occupant injured in transport accident
Block V90-V94	2	V90-V94 Water transport accidents
Block V98-V99	2	V98-V99 Other and unspecified transport accidents
Block W85-W99	2	W85-W99 Exposure to electric current, radiation and extreme ambient air temperature and pressure
Block X58-X59	2	X58-X59 Accidental exposure to other and unspecified factors
Block A70-A74	1	A70-A74 Other diseases caused by chlamydiae
Block A75-A79	1	A75-A79 Rickettsioses
Block E40-E46	1	E40-E46 Malnutrition
Block F90-F98	1	F90-F98 Behavioural and emotional disorders with onset usually occurring in childhood and adolescence
Block P00-P04	1	P00-P04 Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery
Block P10-P15	1	P10-P15 Birth trauma
Block V30-V39	1	V30-V39 Occupant of three-wheeled motor vehicle injured in transport accident
Block V60-V69	1	V60-V69 Occupant of heavy transport vehicle injured in transport accident
Block V95-V97	1	V95-V97 Air and space transport accidents
Block W65-W74	1	W65-W74 Accidental drowning and submersion
Block W75-W84	1	W75-W84 Other accidental threats to breathing
Block X30-X39	1	X30-X39 Exposure to forces of nature

Tier 2 hospital record category definitions: <https://biobank.ndph.ox.ac.uk/showcase/field.cgi?id=41270>

Supplementary Table 2.4: Sex distribution of tier 1 ICD-10 recorded diagnoses

Tier 1 medical condition	Female, No Disorder	Female, Disorder	Male, No Disorder	Male, Disorder	Of those without disorder, %male	Of those with disorder, %male	Odd's Ratio	95%Confidence intervals		p
I Infections	9732	483	8737	417	47.31	46.33	0.96	0.84	1.10	0.58
II Neoplasms	8302	1913	7852	1302	48.61	40.50	0.72	0.67	0.78	3.64E-17
III Blood	9726	489	8894	260	47.77	34.71	0.58	0.50	0.68	1.76E-12
IV Endocrine	9213	1002	8075	1079	46.71	51.85	1.23	1.12	1.35	9.97E-06
V Psychiatric	9761	454	8767	387	47.32	46.02	0.95	0.82	1.09	0.48
VI Neurological	9550	665	8619	535	47.44	44.58	0.89	0.79	1.00	0.06
VII Eye	9499	716	8508	646	47.25	47.43	1.01	0.90	1.13	0.91
VIII Ear	10073	142	9008	146	47.21	50.69	1.15	0.90	1.46	0.26
IX Circulatory	8311	1904	6869	2285	45.25	54.55	1.45	1.35	1.56	1.58E-26
X Respiratory	9241	974	8142	1012	46.84	50.96	1.18	1.07	1.30	5.31E-04
XI Digestive	7105	3110	6141	3013	46.36	49.21	1.12	1.05	1.19	2.30E-04
XII Skin	9396	819	8395	759	47.19	48.10	1.04	0.93	1.15	0.49
XIII Musculoskeletal	8717	1498	7951	1203	47.70	44.54	0.88	0.81	0.96	2.260E-03
XIV Genitourinary	7222	2993	7962	1192	52.44	28.48	0.36	0.34	0.39	2.52E-171
XV Pregnancy-related	9370	845	9154	0	49.42	0.00	0.00	0.00	0.00	8.00E-243
XVIII Other	7242	2973	6587	2567	47.63	46.34	0.95	0.89	1.01	0.10
XIX Injury or Poisoning	9472	743	8408	746	47.02	50.10	1.13	1.02	1.26	0.02
XX External	9748	467	8696	458	47.15	49.51	1.10	0.96	1.26	0.17

XXI Health Status	6548	3667	6215	2939	48.70	44.49	0.84	0.80	0.90	2.75E-08
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Results are from independent two-sided Fisher's exact tests.

Supplementary Table 2.5: Sex interactional effects with tier 1 ICD-10 recorded diagnoses on total cerebellar volume

Tier-1 medical condition	Freq	$\Delta R^2\ddagger$	β	95% Confidence Interval		p	p_{FDR}^*
I Infections	900	7.33E-06	-287.34	-1381.06	806.39	0.61	0.91
II Neoplasms	3215	3.48E-07	36.14	-595.54	667.81	0.91	0.95
III Blood	749	2.44E-05	-599.11	-1848.02	649.79	0.35	0.91
IV Endocrine	2081	4.29E-05	-475.15	-1221.04	270.74	0.21	0.91
V Psychiatric	841	8.87E-06	326.61	-802.85	1456.06	0.57	0.91
VI Neurological	1200	4.18E-05	-600.89	-1558.68	356.9	0.22	0.91
VII Eye	1362	6.46E-05	709.2	-199.92	1618.32	0.13	0.91
VIII Ear	288	1.25E-07	-65.02	-1963.79	1833.74	0.95	0.95
IX Circulatory	4189	2.60E-05	-281.3	-848.76	286.17	0.33	0.91
X Respiratory	1986	4.08E-06	148.41	-608.66	905.48	0.70	0.91
XI Digestive	6123	6.94E-06	-126.96	-623.65	369.73	0.62	0.91
XII Skin	1578	9.77E-06	-255	-1095.65	585.66	0.55	0.91
XIII Musculoskeletal	2701	2.16E-07	30.08	-637.6	697.76	0.93	0.95
XIV Genitourinary	4185	3.86E-06	116.06	-492.92	725.03	0.71	0.91
XV Pregnancy-related	845						
XVIII Other	5540	1.72E-07	-20.57	-531.44	490.3	0.94	0.95
XIX Injury or Poisoning	1489	2.10E-05	-383.14	-1245.02	478.75	0.38	0.91
XX External	925	1.20E-05	-361.78	-1438.85	715.29	0.51	0.91
XXI Health Status	6606	5.64E-05	-357.62	-848.23	132.99	0.15	0.91

*Results are from independent univariate linear regression analyses testing the effect on total cerebellar volume of an interaction between tier-1 medical conditions and sex (male) (tier 1*sex), including all default covariates (age², sex, age²*sex, total brain volume, imaging centre attended, date attended) and tier 1 presence in the model. Of note, this was not performed for Pregnancy-related conditions*

*‡ Unique R² explained by the tier 1*sex interaction. Calculated: R² of model with interaction - R² of model without interaction*

**: p-value adjusted for False Discovery Rate (FDR) correction for the number of tests performed (FDR criterion used = 0.05)*

Supplementary Table 2.6: The presence of comorbidities in our cohort for all possible tier 1 ICD-10 recorded diagnosis pairings

Medical Condition 1 (MC1)	Medical Condition 2 (MC2)	Frequency				% of MC1 with MC2	% of No MC1 with MC2	Odds ratio	95% Confidence interval		p	p _{FDR} *
		Both	MC2 only	MC1 only	Neither							
I Infections	XI Digestive	598	5525	302	12944	66.4	29.9	4.6	4.0	5.4	5.00E-107	4.50E-106
I Infections	III Blood	112	637	788	17832	12.4	3.4	4.0	3.2	4.9	8.75E-29	1.68E-28
I Infections	XX External	134	791	766	17678	14.9	4.3	3.9	3.2	4.8	4.95E-33	1.06E-32
I Infections	XVIII Other	500	5040	400	13429	55.6	27.3	3.3	2.9	3.8	3.01E-67	1.35E-66
I Infections	V Psychiatric	107	734	793	17735	11.9	4.0	3.3	2.6	4.1	8.93E-22	1.47E-21
I Infections	IV Endocrine	235	1846	665	16623	26.1	10.0	3.2	2.7	3.7	2.33E-40	6.34E-40
I Infections	XXI Health Status	541	6065	359	12404	60.1	32.8	3.1	2.7	3.5	1.08E-59	3.83E-59
I Infections	X Respiratory	217	1769	683	16700	24.1	9.6	3.0	2.5	3.5	7.33E-35	1.63E-34
I Infections	XIX Injury or Poisoning	158	1331	742	17138	17.6	7.2	2.7	2.3	3.3	1.89E-23	3.20E-23
I Infections	XIV Genitourinary	362	3823	538	14646	40.2	20.7	2.6	2.2	3.0	3.55E-38	8.93E-38
I Infections	VI Neurological	122	1078	778	17391	13.6	5.8	2.5	2.1	3.1	1.30E-16	1.89E-16
I Infections	VIII Ear	31	257	869	18212	3.4	1.4	2.5	1.7	3.7	1.36E-05	1.55E-05
I Infections	IX Circulatory	354	3835	546	14634	39.3	20.8	2.5	2.1	2.8	6.00E-35	1.35E-34
I Infections	XII Skin	150	1428	750	17041	16.7	7.7	2.4	2.0	2.9	1.39E-17	2.13E-17
I Infections	II Neoplasms	250	2965	650	15504	27.8	16.1	2.0	1.7	2.3	6.38E-18	9.92E-18
I Infections	XIII Musculoskeletal	203	2498	697	15971	22.6	13.5	1.9	1.6	2.2	8.47E-13	1.12E-12
I Infections	VII Eye	88	1274	812	17195	9.8	6.9	1.5	1.2	1.8	1.64E-03	1.78E-03
I Infections	XV Pregnancy-related	52	793	848	17676	5.8	4.3	1.4	1.0	1.8	0.04	0.04
II Neoplasms	XXI Health Status	1875	4731	1340	11423	58.3	29.3	3.4	3.1	3.7	1.10E-209	1.71E-208

II Neoplasms	III Blood	272	477	2943	15677	8.5	3.0	3.0	2.6	3.6	1.85E-40	5.10E-40
II Neoplasms	XIV Genitourinary	1259	2926	1956	13228	39.2	18.1	2.9	2.7	3.2	2.97E-138	3.17E-137
II Neoplasms	XX External	304	621	2911	15533	9.5	3.8	2.6	2.3	3.0	1.30E-35	3.18E-35
II Neoplasms	XII Skin	482	1096	2733	15058	15.0	6.8	2.4	2.2	2.7	7.83E-47	2.35E-46
II Neoplasms	IX Circulatory	1088	3101	2127	13053	33.8	19.2	2.2	2.0	2.3	1.11E-69	5.12E-69
II Neoplasms	XI Digestive	1472	4651	1743	11503	45.8	28.8	2.1	1.9	2.3	3.17E-76	1.59E-75
II Neoplasms	I Infections	250	650	2965	15504	7.8	4.0	2.0	1.7	2.3	6.38E-18	9.92E-18
II Neoplasms	IV Endocrine	556	1525	2659	14629	17.3	9.4	2.0	1.8	2.2	2.54E-35	6.04E-35
II Neoplasms	XVIII Other	1297	4243	1918	11911	40.3	26.3	1.9	1.8	2.1	1.24E-55	4.26E-55
II Neoplasms	X Respiratory	499	1487	2716	14667	15.5	9.2	1.8	1.6	2.0	1.13E-24	1.97E-24
II Neoplasms	XIII Musculoskeletal	646	2055	2569	14099	20.1	12.7	1.7	1.6	1.9	4.36E-26	7.76E-26
II Neoplasms	VIII Ear	73	215	3142	15939	2.3	1.3	1.7	1.3	2.3	1.59E-04	1.77E-04
II Neoplasms	V Psychiatric	206	635	3009	15519	6.4	3.9	1.7	1.4	2.0	2.00E-09	2.48E-09
II Neoplasms	XIX Injury or Poisoning	351	1138	2864	15016	10.9	7.0	1.6	1.4	1.8	5.68E-13	7.65E-13
II Neoplasms	VI Neurological	282	918	2933	15236	8.8	5.7	1.6	1.4	1.8	2.10E-10	2.62E-10
II Neoplasms	VII Eye	316	1046	2899	15108	9.8	6.5	1.6	1.4	1.8	7.05E-11	8.93E-11
II Neoplasms	XV Pregnancy-related	116	729	3099	15425	3.6	4.5	0.8	0.6	1.0	0.02	0.02
III Blood	XI Digestive	484	5639	265	12981	64.6	30.3	4.2	3.6	4.9	1.30E-79	7.42E-79
III Blood	I Infections	112	788	637	17832	15.0	4.2	4.0	3.2	4.9	8.75E-29	1.68E-28
III Blood	XXI Health Status	478	6128	271	12492	63.8	32.9	3.6	3.1	4.2	5.56E-64	2.21E-63
III Blood	XX External	97	828	652	17792	13.0	4.4	3.2	2.5	4.0	1.69E-19	2.68E-19
III Blood	IV Endocrine	196	1885	553	16735	26.2	10.1	3.1	2.6	3.7	7.76E-34	1.70E-33
III Blood	II Neoplasms	272	2943	477	15677	36.3	15.8	3.0	2.6	3.6	1.85E-40	5.10E-40

III Blood	XVIII Other	399	5141	350	13479	53.3	27.6	3.0	2.6	3.5	2.85E-47	8.70E-47
III Blood	XV Pregnancy-related	78	767	671	17853	10.4	4.1	2.7	2.1	3.5	8.22E-13	1.10E-12
III Blood	XIV Genitourinary	309	3876	440	14744	41.3	20.8	2.7	2.3	3.1	4.00E-35	9.36E-35
III Blood	X Respiratory	166	1820	583	16800	22.2	9.8	2.6	2.2	3.2	2.56E-22	4.25E-22
III Blood	IX Circulatory	300	3889	449	14731	40.1	20.9	2.5	2.2	2.9	2.78E-31	5.59E-31
III Blood	VI Neurological	101	1099	648	17521	13.5	5.9	2.5	2.0	3.1	9.81E-14	1.34E-13
III Blood	V Psychiatric	62	779	687	17841	8.3	4.2	2.1	1.6	2.7	1.39E-06	1.64E-06
III Blood	XIX Injury or Poisoning	99	1390	650	17230	13.2	7.5	1.9	1.5	2.4	8.41E-08	1.01E-07
III Blood	XIII Musculoskeletal	171	2530	578	16090	22.8	13.6	1.9	1.6	2.2	2.44E-11	3.12E-11
III Blood	VIII Ear	19	269	730	18351	2.5	1.4	1.8	1.0	2.8	0.02	0.02
III Blood	XII Skin	96	1482	653	17138	12.8	8.0	1.7	1.3	2.1	8.34E-06	9.64E-06
III Blood	VII Eye	67	1295	682	17325	8.9	7.0	1.3	1.0	1.7	0.04	0.04
IV Endocrine	IX Circulatory	1293	2896	788	14392	62.1	16.8	8.2	7.4	9.0	0.00E+00	<1.0E-300
IV Endocrine	XXI Health Status	1402	5204	679	12084	67.4	30.1	4.8	4.3	5.3	9.87E-237	2.11E-235
IV Endocrine	V Psychiatric	250	591	1831	16697	12.0	3.4	3.9	3.3	4.5	2.09E-54	7.01E-54
IV Endocrine	VI Neurological	346	854	1735	16434	16.6	4.9	3.8	3.3	4.4	1.43E-72	6.80E-72
IV Endocrine	XVIII Other	1174	4366	907	12922	56.4	25.3	3.8	3.5	4.2	3.49E-175	4.59E-174
IV Endocrine	VIII Ear	81	207	2000	17081	3.9	1.2	3.3	2.5	4.4	1.57E-16	2.25E-16
IV Endocrine	X Respiratory	487	1499	1594	15789	23.4	8.7	3.2	2.9	3.6	9.38E-78	5.18E-77
IV Endocrine	XIII Musculoskeletal	633	2068	1448	15220	30.4	12.0	3.2	2.9	3.6	8.50E-96	6.61E-95
IV Endocrine	I Infections	235	665	1846	16623	11.3	3.8	3.2	2.7	3.7	2.33E-40	6.34E-40
IV Endocrine	III Blood	196	553	1885	16735	9.4	3.2	3.1	2.6	3.7	7.76E-34	1.70E-33
IV Endocrine	XI Digestive	1145	4978	936	12310	55.0	28.8	3.0	2.8	3.3	1.96E-121	1.86E-120

IV Endocrine	XX External	230	695	1851	16593	11.1	4.0	3.0	2.5	3.5	6.03E-36	1.50E-35
IV Endocrine	VII Eye	315	1047	1766	16241	15.1	6.1	2.8	2.4	3.2	1.41E-42	3.94E-42
IV Endocrine	XIX Injury or Poisoning	313	1176	1768	16112	15.0	6.8	2.4	2.1	2.8	8.78E-34	1.90E-33
IV Endocrine	XIV Genitourinary	764	3421	1317	13867	36.7	19.8	2.4	2.1	2.6	5.23E-63	2.03E-62
IV Endocrine	XII Skin	305	1273	1776	16015	14.7	7.4	2.2	1.9	2.5	3.85E-26	6.93E-26
IV Endocrine	II Neoplasms	556	2659	1525	14629	26.7	15.4	2.0	1.8	2.2	2.54E-35	6.04E-35
IV Endocrine	XV Pregnancy-related	49	796	2032	16492	2.4	4.6	0.5	0.4	0.7	3.81E-07	4.53E-07
V Psychiatric	XIX Injury or Poisoning	200	1289	641	17239	23.8	7.0	4.2	3.5	4.9	6.02E-50	1.94E-49
V Psychiatric	XVIII Other	504	5036	337	13492	59.9	27.2	4.0	3.5	4.6	1.97E-83	1.25E-82
V Psychiatric	XXI Health Status	555	6051	286	12477	66.0	32.7	4.0	3.5	4.6	8.84E-83	5.40E-82
V Psychiatric	IV Endocrine	250	1831	591	16697	29.7	9.9	3.9	3.3	4.5	2.09E-54	7.01E-54
V Psychiatric	VI Neurological	148	1052	693	17476	17.6	5.7	3.5	2.9	4.3	5.33E-32	1.11E-31
V Psychiatric	XX External	115	810	726	17718	13.7	4.4	3.5	2.8	4.3	4.84E-25	8.54E-25
V Psychiatric	IX Circulatory	394	3795	447	14733	46.8	20.5	3.4	3.0	3.9	4.96E-62	1.84E-61
V Psychiatric	XI Digestive	502	5621	339	12907	59.7	30.3	3.4	2.9	3.9	1.13E-65	4.70E-65
V Psychiatric	XIII Musculoskeletal	278	2423	563	16105	33.1	13.1	3.3	2.8	3.8	2.23E-47	6.93E-47
V Psychiatric	I Infections	107	793	734	17735	12.7	4.3	3.3	2.6	4.1	8.93E-22	1.47E-21
V Psychiatric	X Respiratory	209	1777	632	16751	24.9	9.6	3.1	2.6	3.7	1.90E-35	4.57E-35
V Psychiatric	XII Skin	141	1437	700	17091	16.8	7.8	2.4	2.0	2.9	6.71E-17	9.89E-17
V Psychiatric	XIV Genitourinary	322	3863	519	14665	38.3	20.8	2.4	2.0	2.7	2.65E-29	5.15E-29
V Psychiatric	VIII Ear	25	263	816	18265	3.0	1.4	2.1	1.3	3.2	1.08E-03	1.18E-03
V Psychiatric	III Blood	62	687	779	17841	7.4	3.7	2.1	1.6	2.7	1.39E-06	1.64E-06
V Psychiatric	VII Eye	106	1256	735	17272	12.6	6.8	2.0	1.6	2.5	3.19E-09	3.90E-09

V Psychiatric	II Neoplasms	206	3009	635	15519	24.5	16.2	1.7	1.4	2.0	2.00E-09	2.48E-09
V Psychiatric	XV Pregnancy-related	41	804	800	17724	4.9	4.3	1.1	0.8	1.6	0.44	0.44
VI Neurological	IV Endocrine	346	1735	854	16434	28.8	9.5	3.8	3.3	4.4	1.43E-72	6.80E-72
VI Neurological	XIII Musculoskeletal	413	2288	787	15881	34.4	12.6	3.6	3.2	4.1	1.55E-77	8.05E-77
VI Neurological	V Psychiatric	148	693	1052	17476	12.3	3.8	3.5	2.9	4.3	5.33E-32	1.11E-31
VI Neurological	XX External	150	775	1050	17394	12.5	4.3	3.2	2.6	3.9	1.98E-28	3.76E-28
VI Neurological	VIII Ear	49	239	1151	17930	4.1	1.3	3.2	2.3	4.4	9.80E-11	1.23E-10
VI Neurological	XXI Health Status	716	5890	484	12279	59.7	32.4	3.1	2.7	3.5	1.04E-77	5.57E-77
VI Neurological	XVIII Other	637	4903	563	13266	53.1	27.0	3.1	2.7	3.5	1.56E-75	7.60E-75
VI Neurological	IX Circulatory	516	3673	684	14496	43.0	20.2	3.0	2.6	3.4	4.86E-66	2.13E-65
VI Neurological	I Infections	122	778	1078	17391	10.2	4.3	2.5	2.1	3.1	1.30E-16	1.89E-16
VI Neurological	III Blood	101	648	1099	17521	8.4	3.6	2.5	2.0	3.1	9.81E-14	1.34E-13
VI Neurological	XI Digestive	603	5520	597	12649	50.3	30.4	2.3	2.1	2.6	1.41E-43	4.03E-43
VI Neurological	X Respiratory	235	1751	965	16418	19.6	9.6	2.3	2.0	2.7	1.62E-23	2.77E-23
VI Neurological	XIX Injury or Poisoning	177	1312	1023	16857	14.8	7.2	2.2	1.9	2.6	9.14E-18	1.41E-17
VI Neurological	VII Eye	156	1206	1044	16963	13.0	6.6	2.1	1.7	2.5	2.66E-14	3.73E-14
VI Neurological	XII Skin	171	1407	1029	16762	14.3	7.7	2.0	1.7	2.4	2.36E-13	3.20E-13
VI Neurological	XIV Genitourinary	388	3797	812	14372	32.3	20.9	1.8	1.6	2.1	5.70E-19	8.94E-19
VI Neurological	II Neoplasms	282	2933	918	15236	23.5	16.1	1.6	1.4	1.8	2.10E-10	2.62E-10
VI Neurological	XV Pregnancy-related	39	806	1161	17363	3.3	4.4	0.7	0.5	1.0	0.06	0.06
VII Eye	IV Endocrine	315	1766	1047	16241	23.1	9.8	2.8	2.4	3.2	1.41E-42	3.94E-42
VII Eye	XXI Health Status	741	5865	621	12142	54.4	32.6	2.5	2.2	2.8	4.57E-57	1.60E-56
VII Eye	IX Circulatory	514	3675	848	14332	37.7	20.4	2.4	2.1	2.7	5.42E-45	1.60E-44

VII Eye	VIII Ear	39	249	1323	17758	2.9	1.4	2.1	1.5	3.0	9.72E-05	1.09E-04
VII Eye	VI Neurological	156	1044	1206	16963	11.5	5.8	2.1	1.7	2.5	2.66E-14	3.73E-14
VII Eye	V Psychiatric	106	735	1256	17272	7.8	4.1	2.0	1.6	2.5	3.19E-09	3.90E-09
VII Eye	XIII Musculoskeletal	316	2385	1046	15622	23.2	13.2	2.0	1.7	2.3	1.33E-21	2.15E-21
VII Eye	XX External	111	814	1251	17193	8.1	4.5	1.9	1.5	2.3	2.32E-08	2.82E-08
VII Eye	X Respiratory	226	1760	1136	16247	16.6	9.8	1.8	1.6	2.1	7.99E-14	1.10E-13
VII Eye	XVIII Other	557	4983	805	13024	40.9	27.7	1.8	1.6	2.0	6.92E-24	1.20E-23
VII Eye	XII Skin	173	1405	1189	16602	12.7	7.8	1.7	1.4	2.0	2.08E-09	2.56E-09
VII Eye	XI Digestive	575	5548	787	12459	42.2	30.8	1.6	1.5	1.8	1.48E-17	2.24E-17
VII Eye	II Neoplasms	316	2899	1046	15108	23.2	16.1	1.6	1.4	1.8	7.05E-11	8.93E-11
VII Eye	XIX Injury or Poisoning	146	1343	1216	16664	10.7	7.5	1.5	1.2	1.8	2.96E-05	3.35E-05
VII Eye	I Infections	88	812	1274	17195	6.5	4.5	1.5	1.2	1.8	1.64E-03	1.78E-03
VII Eye	III Blood	67	682	1295	17325	4.9	3.8	1.3	1.0	1.7	0.04	0.04
VII Eye	XIV Genitourinary	340	3845	1022	14162	25.0	21.4	1.2	1.1	1.4	2.11E-03	2.27E-03
VII Eye	XV Pregnancy-related	24	821	1338	17186	1.8	4.6	0.4	0.2	0.6	8.91E-08	1.07E-07
VIII Ear	X Respiratory	80	1906	208	17175	27.8	10.0	3.5	2.6	4.5	3.57E-17	5.36E-17
VIII Ear	IV Endocrine	81	2000	207	17081	28.1	10.5	3.3	2.5	4.4	1.57E-16	2.25E-16
VIII Ear	VI Neurological	49	1151	239	17930	17.0	6.0	3.2	2.3	4.4	9.80E-11	1.23E-10
VIII Ear	XIII Musculoskeletal	87	2614	201	16467	30.2	13.7	2.7	2.1	3.5	8.50E-13	1.12E-12
VIII Ear	XXI Health Status	167	6439	121	12642	58.0	33.7	2.7	2.1	3.5	9.06E-17	1.32E-16
VIII Ear	IX Circulatory	119	4070	169	15011	41.3	21.3	2.6	2.0	3.3	3.34E-14	4.65E-14
VIII Ear	I Infections	31	869	257	18212	10.8	4.6	2.5	1.7	3.7	1.36E-05	1.55E-05
VIII Ear	XI Digestive	148	5975	140	13106	51.4	31.3	2.3	1.8	2.9	2.60E-12	3.37E-12

VIII Ear	XX External	29	896	259	18185	10.1	4.7	2.3	1.5	3.4	2.13E-04	2.35E-04
VIII Ear	XVIII Other	136	5404	152	13677	47.2	28.3	2.3	1.8	2.9	1.71E-11	2.20E-11
VIII Ear	XII Skin	47	1531	241	17550	16.3	8.0	2.2	1.6	3.1	5.73E-06	6.71E-06
VIII Ear	V Psychiatric	25	816	263	18265	8.7	4.3	2.1	1.3	3.2	1.08E-03	1.18E-03
VIII Ear	VII Eye	39	1323	249	17758	13.5	6.9	2.1	1.5	3.0	9.72E-05	1.09E-04
VIII Ear	XIX Injury or Poisoning	39	1450	249	17631	13.5	7.6	1.9	1.3	2.7	4.96E-04	5.44E-04
VIII Ear	III Blood	19	730	269	18351	6.6	3.8	1.8	1.0	2.8	0.02	0.02
VIII Ear	II Neoplasms	73	3142	215	15939	25.3	16.5	1.7	1.3	2.3	1.59E-04	1.77E-04
VIII Ear	XIV Genitourinary	92	4093	196	14988	31.9	21.5	1.7	1.3	2.2	4.79E-05	5.38E-05
VIII Ear	XV Pregnancy-related	7	838	281	18243	2.4	4.4	0.5	0.2	1.1	0.14	0.15
IX Circulatory	IV Endocrine	1293	788	2896	14392	30.9	5.2	8.2	7.4	9.0	0.00E+00	<1.0E-300
IX Circulatory	XXI Health Status	2509	4097	1680	11083	59.9	27.0	4.0	3.8	4.3	0.00E+00	<1.0E-300
IX Circulatory	XI Digestive	2272	3851	1917	11329	54.2	25.4	3.5	3.2	3.7	2.99E-262	7.30E-261
IX Circulatory	V Psychiatric	394	447	3795	14733	9.4	2.9	3.4	3.0	3.9	4.96E-62	1.84E-61
IX Circulatory	XVIII Other	2059	3481	2130	11699	49.2	22.9	3.2	3.0	3.5	1.04E-226	1.78E-225
IX Circulatory	VI Neurological	516	684	3673	14496	12.3	4.5	3.0	2.6	3.4	4.86E-66	2.13E-65
IX Circulatory	X Respiratory	783	1203	3406	13977	18.7	7.9	2.7	2.4	2.9	4.18E-81	2.46E-80
IX Circulatory	XIII Musculoskeletal	1024	1677	3165	13503	24.4	11.0	2.6	2.4	2.8	2.46E-97	2.00E-96
IX Circulatory	VIII Ear	119	169	4070	15011	2.8	1.1	2.6	2.0	3.3	3.34E-14	4.65E-14
IX Circulatory	XX External	370	555	3819	14625	8.8	3.7	2.6	2.2	2.9	2.41E-38	6.16E-38
IX Circulatory	III Blood	300	449	3889	14731	7.2	3.0	2.5	2.2	2.9	2.78E-31	5.59E-31
IX Circulatory	I Infections	354	546	3835	14634	8.5	3.6	2.5	2.1	2.8	6.00E-35	1.35E-34
IX Circulatory	VII Eye	514	848	3675	14332	12.3	5.6	2.4	2.1	2.7	5.42E-45	1.60E-44

IX Circulatory	XIX Injury or Poisoning	532	957	3657	14223	12.7	6.3	2.2	1.9	2.4	1.24E-38	3.21E-38
IX Circulatory	II Neoplasms	1088	2127	3101	13053	26.0	14.0	2.2	2.0	2.3	1.11E-69	5.12E-69
IX Circulatory	XII Skin	520	1058	3669	14122	12.4	7.0	1.9	1.7	2.1	1.63E-27	3.07E-27
IX Circulatory	XIV Genitourinary	1280	2905	2909	12275	30.6	19.1	1.9	1.7	2.0	9.48E-54	3.12E-53
IX Circulatory	XV Pregnancy-related	104	741	4085	14439	2.5	4.9	0.5	0.4	0.6	1.30E-12	1.69E-12
X Respiratory	VIII Ear	80	208	1906	17175	4.0	1.2	3.5	2.6	4.5	3.57E-17	5.36E-17
X Respiratory	IV Endocrine	487	1594	1499	15789	24.5	9.2	3.2	2.9	3.6	9.38E-78	5.18E-77
X Respiratory	XXI Health Status	1174	5432	812	11951	59.1	31.2	3.2	2.9	3.5	3.45E-128	3.47E-127
X Respiratory	V Psychiatric	209	632	1777	16751	10.5	3.6	3.1	2.6	3.7	1.90E-35	4.57E-35
X Respiratory	I Infections	217	683	1769	16700	10.9	3.9	3.0	2.5	3.5	7.33E-35	1.63E-34
X Respiratory	XVIII Other	1006	4534	980	12849	50.7	26.1	2.9	2.6	3.2	1.42E-106	1.22E-105
X Respiratory	XX External	214	711	1772	16672	10.8	4.1	2.8	2.4	3.3	1.36E-31	2.77E-31
X Respiratory	XI Digestive	1049	5074	937	12309	52.8	29.2	2.7	2.5	3.0	2.58E-95	1.92E-94
X Respiratory	IX Circulatory	783	3406	1203	13977	39.4	19.6	2.7	2.4	2.9	4.18E-81	2.46E-80
X Respiratory	III Blood	166	583	1820	16800	8.4	3.4	2.6	2.2	3.2	2.56E-22	4.25E-22
X Respiratory	XIII Musculoskeletal	509	2192	1477	15191	25.6	12.6	2.4	2.1	2.7	1.00E-48	3.17E-48
X Respiratory	VI Neurological	235	965	1751	16418	11.8	5.6	2.3	2.0	2.7	1.62E-23	2.77E-23
X Respiratory	XIX Injury or Poisoning	285	1204	1701	16179	14.4	6.9	2.3	2.0	2.6	5.93E-27	1.09E-26
X Respiratory	XII Skin	278	1300	1708	16083	14.0	7.5	2.0	1.7	2.3	1.14E-20	1.82E-20
X Respiratory	XIV Genitourinary	654	3531	1332	13852	32.9	20.3	1.9	1.7	2.1	4.40E-35	1.02E-34
X Respiratory	VII Eye	226	1136	1760	16247	11.4	6.5	1.8	1.6	2.1	7.99E-14	1.10E-13
X Respiratory	II Neoplasms	499	2716	1487	14667	25.1	15.6	1.8	1.6	2.0	1.13E-24	1.97E-24
X Respiratory	XV Pregnancy-related	101	744	1885	16639	5.1	4.3	1.2	1.0	1.5	0.10	0.11

XI Digestive	I Infections	598	302	5525	12944	9.8	2.3	4.6	4.0	5.4	5.00E-107	4.50E-106
XI Digestive	III Blood	484	265	5639	12981	7.9	2.0	4.2	3.6	4.9	1.30E-79	7.42E-79
XI Digestive	IX Circulatory	2272	1917	3851	11329	37.1	14.5	3.5	3.2	3.7	2.99E-262	7.30E-261
XI Digestive	XVIII Other	2851	2689	3272	10557	46.6	20.3	3.4	3.2	3.7	7.10E-298	2.43E-296
XI Digestive	V Psychiatric	502	339	5621	12907	8.2	2.6	3.4	2.9	3.9	1.13E-65	4.70E-65
XI Digestive	IV Endocrine	1145	936	4978	12310	18.7	7.1	3.0	2.8	3.3	1.96E-121	1.86E-120
XI Digestive	XXI Health Status	3105	3501	3018	9745	50.7	26.4	2.9	2.7	3.1	3.28E-235	6.23E-234
XI Digestive	X Respiratory	1049	937	5074	12309	17.1	7.1	2.7	2.5	3.0	2.58E-95	1.92E-94
XI Digestive	XX External	469	456	5654	12790	7.7	3.4	2.3	2.0	2.7	5.01E-35	1.14E-34
XI Digestive	VIII Ear	148	140	5975	13106	2.4	1.1	2.3	1.8	2.9	2.60E-12	3.37E-12
XI Digestive	VI Neurological	603	597	5520	12649	9.8	4.5	2.3	2.1	2.6	1.41E-43	4.03E-43
XI Digestive	II Neoplasms	1472	1743	4651	11503	24.0	13.2	2.1	1.9	2.3	3.17E-76	1.59E-75
XI Digestive	XIII Musculoskeletal	1237	1464	4886	11782	20.2	11.1	2.0	1.9	2.2	2.70E-62	1.02E-61
XI Digestive	XIV Genitourinary	1784	2401	4339	10845	29.1	18.1	1.9	1.7	2.0	8.91E-65	3.63E-64
XI Digestive	XIX Injury or Poisoning	660	829	5463	12417	10.8	6.3	1.8	1.6	2.0	1.22E-26	2.21E-26
XI Digestive	XII Skin	678	900	5445	12346	11.1	6.8	1.7	1.5	1.9	5.16E-23	8.65E-23
XI Digestive	VII Eye	575	787	5548	12459	9.4	5.9	1.6	1.5	1.8	1.48E-17	2.24E-17
XI Digestive	XV Pregnancy-related	209	636	5914	12610	3.4	4.8	0.7	0.6	0.8	7.81E-06	9.08E-06
XII Skin	XX External	175	750	1403	17041	11.1	4.2	2.8	2.4	3.4	5.89E-27	1.09E-26
XII Skin	XXI Health Status	857	5749	721	12042	54.3	32.3	2.5	2.2	2.8	5.62E-66	2.40E-65
XII Skin	II Neoplasms	482	2733	1096	15058	30.5	15.4	2.4	2.2	2.7	7.83E-47	2.35E-46
XII Skin	V Psychiatric	141	700	1437	17091	8.9	3.9	2.4	2.0	2.9	6.71E-17	9.89E-17
XII Skin	I Infections	150	750	1428	17041	9.5	4.2	2.4	2.0	2.9	1.39E-17	2.13E-17

XII Skin	VIII Ear	47	241	1531	17550	3.0	1.4	2.2	1.6	3.1	5.73E-06	6.71E-06
XII Skin	IV Endocrine	305	1776	1273	16015	19.3	10.0	2.2	1.9	2.5	3.85E-26	6.93E-26
XII Skin	XIII Musculoskeletal	381	2320	1197	15471	24.1	13.0	2.1	1.9	2.4	9.89E-30	1.94E-29
XII Skin	XIX Injury or Poisoning	214	1275	1364	16516	13.6	7.2	2.0	1.7	2.4	3.71E-17	5.52E-17
XII Skin	X Respiratory	278	1708	1300	16083	17.6	9.6	2.0	1.7	2.3	1.14E-20	1.82E-20
XII Skin	VI Neurological	171	1029	1407	16762	10.8	5.8	2.0	1.7	2.4	2.36E-13	3.20E-13
XII Skin	IX Circulatory	520	3669	1058	14122	33.0	20.6	1.9	1.7	2.1	1.63E-27	3.07E-27
XII Skin	XVIII Other	658	4882	920	12909	41.7	27.4	1.9	1.7	2.1	3.18E-31	6.32E-31
XII Skin	VII Eye	173	1189	1405	16602	11.0	6.7	1.7	1.4	2.0	2.08E-09	2.56E-09
XII Skin	XI Digestive	678	5445	900	12346	43.0	30.6	1.7	1.5	1.9	5.16E-23	8.65E-23
XII Skin	III Blood	96	653	1482	17138	6.1	3.7	1.7	1.3	2.1	8.34E-06	9.64E-06
XII Skin	XIV Genitourinary	466	3719	1112	14072	29.5	20.9	1.6	1.4	1.8	1.18E-14	1.69E-14
XII Skin	XV Pregnancy-related	59	786	1519	17005	3.7	4.4	0.8	0.6	1.1	0.22	0.22
XIII Musculoskeletal	VI Neurological	413	787	2288	15881	15.3	4.7	3.6	3.2	4.1	1.55E-77	8.05E-77
XIII Musculoskeletal	V Psychiatric	278	563	2423	16105	10.3	3.4	3.3	2.8	3.8	2.23E-47	6.93E-47
XIII Musculoskeletal	XXI Health Status	1572	5034	1129	11634	58.2	30.2	3.2	3.0	3.5	8.91E-169	1.09E-167
XIII Musculoskeletal	IV Endocrine	633	1448	2068	15220	23.4	8.7	3.2	2.9	3.6	8.50E-96	6.61E-95
XIII Musculoskeletal	VIII Ear	87	201	2614	16467	3.2	1.2	2.7	2.1	3.5	8.50E-13	1.12E-12
XIII Musculoskeletal	XX External	264	661	2437	16007	9.8	4.0	2.6	2.3	3.1	1.87E-32	3.95E-32
XIII Musculoskeletal	IX Circulatory	1024	3165	1677	13503	37.9	19.0	2.6	2.4	2.8	2.46E-97	2.00E-96
XIII Musculoskeletal	XIX Injury or Poisoning	393	1096	2308	15572	14.6	6.6	2.4	2.1	2.7	4.91E-40	1.31E-39
XIII Musculoskeletal	X Respiratory	509	1477	2192	15191	18.8	8.9	2.4	2.1	2.7	1.00E-48	3.17E-48
XIII Musculoskeletal	XVIII Other	1224	4316	1477	12352	45.3	25.9	2.4	2.2	2.6	8.25E-89	5.64E-88

XIII Musculoskeletal	XII Skin	381	1197	2320	15471	14.1	7.2	2.1	1.9	2.4	9.89E-30	1.94E-29
XIII Musculoskeletal	XI Digestive	1237	4886	1464	11782	45.8	29.3	2.0	1.9	2.2	2.70E-62	1.02E-61
XIII Musculoskeletal	VII Eye	316	1046	2385	15622	11.7	6.3	2.0	1.7	2.3	1.33E-21	2.15E-21
XIII Musculoskeletal	III Blood	171	578	2530	16090	6.3	3.5	1.9	1.6	2.2	2.44E-11	3.12E-11
XIII Musculoskeletal	I Infections	203	697	2498	15971	7.5	4.2	1.9	1.6	2.2	8.47E-13	1.12E-12
XIII Musculoskeletal	XIV Genitourinary	853	3332	1848	13336	31.6	20.0	1.8	1.7	2.0	5.50E-39	1.45E-38
XIII Musculoskeletal	II Neoplasms	646	2569	2055	14099	23.9	15.4	1.7	1.6	1.9	4.36E-26	7.76E-26
XIII Musculoskeletal	XV Pregnancy-related	76	769	2625	15899	2.8	4.6	0.6	0.5	0.8	9.38E-06	1.08E-05
XIV Genitourinary	XXI Health Status	2279	4327	1906	10857	54.5	28.5	3.0	2.8	3.2	4.69E-207	6.68E-206
XIV Genitourinary	II Neoplasms	1259	1956	2926	13228	30.1	12.9	2.9	2.7	3.2	2.97E-138	3.17E-137
XIV Genitourinary	XVIII Other	1914	3626	2271	11558	45.7	23.9	2.7	2.5	2.9	4.50E-159	5.13E-158
XIV Genitourinary	III Blood	309	440	3876	14744	7.4	2.9	2.7	2.3	3.1	4.00E-35	9.36E-35
XIV Genitourinary	I Infections	362	538	3823	14646	8.6	3.5	2.6	2.2	3.0	3.55E-38	8.93E-38
XIV Genitourinary	V Psychiatric	322	519	3863	14665	7.7	3.4	2.4	2.0	2.7	2.65E-29	5.15E-29
XIV Genitourinary	XX External	353	572	3832	14612	8.4	3.8	2.4	2.0	2.7	8.35E-32	1.72E-31
XIV Genitourinary	IV Endocrine	764	1317	3421	13867	18.3	8.7	2.4	2.1	2.6	5.23E-63	2.03E-62
XIV Genitourinary	X Respiratory	654	1332	3531	13852	15.6	8.8	1.9	1.7	2.1	4.40E-35	1.02E-34
XIV Genitourinary	IX Circulatory	1280	2909	2905	12275	30.6	19.2	1.9	1.7	2.0	9.48E-54	3.12E-53
XIV Genitourinary	XI Digestive	1784	4339	2401	10845	42.6	28.6	1.9	1.7	2.0	8.91E-65	3.63E-64
XIV Genitourinary	XIII Musculoskeletal	853	1848	3332	13336	20.4	12.2	1.8	1.7	2.0	5.50E-39	1.45E-38
XIV Genitourinary	XV Pregnancy-related	277	568	3908	14616	6.6	3.7	1.8	1.6	2.1	1.79E-14	2.52E-14
XIV Genitourinary	VI Neurological	388	812	3797	14372	9.3	5.3	1.8	1.6	2.1	5.70E-19	8.94E-19
XIV Genitourinary	XIX Injury or Poisoning	474	1015	3711	14169	11.3	6.7	1.8	1.6	2.0	1.15E-21	1.88E-21

XIV Genitourinary	VIII Ear	92	196	4093	14988	2.2	1.3	1.7	1.3	2.2	4.79E-05	5.38E-05
XIV Genitourinary	XII Skin	466	1112	3719	14072	11.1	7.3	1.6	1.4	1.8	1.18E-14	1.69E-14
XIV Genitourinary	VII Eye	340	1022	3845	14162	8.1	6.7	1.2	1.1	1.4	2.11E-03	2.27E-03
XV Pregnancy-related	XXI Health Status	768	5838	77	12686	90.9	31.5	21.7	17.1	27.8	6.25E-275	1.78E-273
XV Pregnancy-related	III Blood	78	671	767	17853	9.2	3.6	2.7	2.1	3.5	8.22E-13	1.10E-12
XV Pregnancy-related	XIV Genitourinary	277	3908	568	14616	32.8	21.1	1.8	1.6	2.1	1.79E-14	2.52E-14
XV Pregnancy-related	I Infections	52	848	793	17676	6.2	4.6	1.4	1.0	1.8	0.04	0.04
XV Pregnancy-related	XVIII Other	279	5261	566	13263	33.0	28.4	1.2	1.1	1.4	4.46E-03	4.77E-03
XV Pregnancy-related	X Respiratory	101	1885	744	16639	12.0	10.2	1.2	1.0	1.5	0.10	0.11
XV Pregnancy-related	V Psychiatric	41	800	804	17724	4.9	4.3	1.1	0.8	1.6	0.44	0.44
XV Pregnancy-related	XIX Injury or Poisoning	63	1426	782	17098	7.5	7.7	1.0	0.7	1.3	0.84	0.84
XV Pregnancy-related	XII Skin	59	1519	786	17005	7.0	8.2	0.8	0.6	1.1	0.22	0.22
XV Pregnancy-related	II Neoplasms	116	3099	729	15425	13.7	16.7	0.8	0.6	1.0	0.02	0.02
XV Pregnancy-related	XX External	32	893	813	17631	3.8	4.8	0.8	0.5	1.1	0.19	0.19
XV Pregnancy-related	VI Neurological	39	1161	806	17363	4.6	6.3	0.7	0.5	1.0	0.06	0.06
XV Pregnancy-related	XI Digestive	209	5914	636	12610	24.7	31.9	0.7	0.6	0.8	7.81E-06	9.08E-06
XV Pregnancy-related	XIII Musculoskeletal	76	2625	769	15899	9.0	14.2	0.6	0.5	0.8	9.38E-06	1.08E-05
XV Pregnancy-related	VIII Ear	7	281	838	18243	0.8	1.5	0.5	0.2	1.1	0.14	0.15
XV Pregnancy-related	IV Endocrine	49	2032	796	16492	5.8	11.0	0.5	0.4	0.7	3.81E-07	4.53E-07
XV Pregnancy-related	IX Circulatory	104	4085	741	14439	12.3	22.1	0.5	0.4	0.6	1.30E-12	1.69E-12
XV Pregnancy-related	VII Eye	24	1338	821	17186	2.8	7.2	0.4	0.2	0.6	8.91E-08	1.07E-07
XVIII Other	V Psychiatric	504	337	5036	13492	9.1	2.4	4.0	3.5	4.6	1.97E-83	1.25E-82
XVIII Other	IV Endocrine	1174	907	4366	12922	21.2	6.6	3.8	3.5	4.2	3.49E-175	4.59E-174

XVIII Other	XXI Health Status	3097	3509	2443	10320	55.9	25.4	3.7	3.5	4.0	0.00E+00	<1.0E-300
XVIII Other	XI Digestive	2851	3272	2689	10557	51.5	23.7	3.4	3.2	3.7	7.10E-298	2.43E-296
XVIII Other	I Infections	500	400	5040	13429	9.0	2.9	3.3	2.9	3.8	3.01E-67	1.35E-66
XVIII Other	IX Circulatory	2059	2130	3481	11699	37.2	15.4	3.2	3.0	3.5	1.04E-226	1.78E-225
XVIII Other	XX External	497	428	5043	13401	9.0	3.1	3.1	2.7	3.5	1.55E-60	5.66E-60
XVIII Other	VI Neurological	637	563	4903	13266	11.5	4.1	3.1	2.7	3.5	1.56E-75	7.60E-75
XVIII Other	III Blood	399	350	5141	13479	7.2	2.5	3.0	2.6	3.5	2.85E-47	8.70E-47
XVIII Other	X Respiratory	1006	980	4534	12849	18.2	7.1	2.9	2.6	3.2	1.42E-106	1.22E-105
XVIII Other	XIV Genitourinary	1914	2271	3626	11558	34.5	16.4	2.7	2.5	2.9	4.50E-159	5.13E-158
XVIII Other	XIII Musculoskeletal	1224	1477	4316	12352	22.1	10.7	2.4	2.2	2.6	8.25E-89	5.64E-88
XVIII Other	VIII Ear	136	152	5404	13677	2.5	1.1	2.3	1.8	2.9	1.71E-11	2.20E-11
XVIII Other	XIX Injury or Poisoning	670	819	4870	13010	12.1	5.9	2.2	2.0	2.4	1.38E-44	4.00E-44
XVIII Other	II Neoplasms	1297	1918	4243	11911	23.4	13.9	1.9	1.8	2.1	1.24E-55	4.26E-55
XVIII Other	XII Skin	658	920	4882	12909	11.9	6.7	1.9	1.7	2.1	3.18E-31	6.32E-31
XVIII Other	VII Eye	557	805	4983	13024	10.1	5.8	1.8	1.6	2.0	6.92E-24	1.20E-23
XVIII Other	XV Pregnancy-related	279	566	5261	13263	5.0	4.1	1.2	1.1	1.4	4.46E-03	4.77E-03
XIX Injury or Poisoning	XX External	623	302	866	17578	41.8	1.7	41.9	35.8	48.9	0.00E+00	<1.0E-300
XIX Injury or Poisoning	V Psychiatric	200	641	1289	17239	13.4	3.6	4.2	3.5	4.9	6.02E-50	1.94E-49
XIX Injury or Poisoning	XXI Health Status	861	5745	628	12135	57.8	32.1	2.9	2.6	3.2	1.30E-84	8.58E-84
XIX Injury or Poisoning	I Infections	158	742	1331	17138	10.6	4.1	2.7	2.3	3.3	1.89E-23	3.20E-23
XIX Injury or Poisoning	IV Endocrine	313	1768	1176	16112	21.0	9.9	2.4	2.1	2.8	8.78E-34	1.90E-33
XIX Injury or Poisoning	XIII Musculoskeletal	393	2308	1096	15572	26.4	12.9	2.4	2.1	2.7	4.91E-40	1.31E-39
XIX Injury or Poisoning	X Respiratory	285	1701	1204	16179	19.1	9.5	2.3	2.0	2.6	5.93E-27	1.09E-26

XIX Injury or Poisoning	VI Neurological	177	1023	1312	16857	11.9	5.7	2.2	1.9	2.6	9.14E-18	1.41E-17
XIX Injury or Poisoning	XVIII Other	670	4870	819	13010	45.0	27.2	2.2	2.0	2.4	1.38E-44	4.00E-44
XIX Injury or Poisoning	IX Circulatory	532	3657	957	14223	35.7	20.5	2.2	1.9	2.4	1.24E-38	3.21E-38
XIX Injury or Poisoning	XII Skin	214	1364	1275	16516	14.4	7.6	2.0	1.7	2.4	3.71E-17	5.52E-17
XIX Injury or Poisoning	VIII Ear	39	249	1450	17631	2.6	1.4	1.9	1.3	2.7	4.96E-04	5.44E-04
XIX Injury or Poisoning	III Blood	99	650	1390	17230	6.6	3.6	1.9	1.5	2.4	8.41E-08	1.01E-07
XIX Injury or Poisoning	XI Digestive	660	5463	829	12417	44.3	30.6	1.8	1.6	2.0	1.22E-26	2.21E-26
XIX Injury or Poisoning	XIV Genitourinary	474	3711	1015	14169	31.8	20.8	1.8	1.6	2.0	1.15E-21	1.88E-21
XIX Injury or Poisoning	II Neoplasms	351	2864	1138	15016	23.6	16.0	1.6	1.4	1.8	5.68E-13	7.65E-13
XIX Injury or Poisoning	VII Eye	146	1216	1343	16664	9.8	6.8	1.5	1.2	1.8	2.96E-05	3.35E-05
XIX Injury or Poisoning	XV Pregnancy-related	63	782	1426	17098	4.2	4.4	1.0	0.7	1.3	0.84	0.84
XX External	XIX Injury or Poisoning	623	866	302	17578	67.4	4.7	41.9	35.8	48.9	0.00E+00	<1.0E-300
XX External	XXI Health Status	608	5998	317	12446	65.7	32.5	4.0	3.5	4.6	1.14E-89	8.14E-89
XX External	I Infections	134	766	791	17678	14.5	4.2	3.9	3.2	4.8	4.95E-33	1.06E-32
XX External	V Psychiatric	115	726	810	17718	12.4	3.9	3.5	2.8	4.3	4.84E-25	8.54E-25
XX External	VI Neurological	150	1050	775	17394	16.2	5.7	3.2	2.6	3.9	1.98E-28	3.76E-28
XX External	III Blood	97	652	828	17792	10.5	3.5	3.2	2.5	4.0	1.69E-19	2.68E-19
XX External	XVIII Other	497	5043	428	13401	53.7	27.3	3.1	2.7	3.5	1.55E-60	5.66E-60
XX External	IV Endocrine	230	1851	695	16593	24.9	10.0	3.0	2.5	3.5	6.03E-36	1.50E-35
XX External	XII Skin	175	1403	750	17041	18.9	7.6	2.8	2.4	3.4	5.89E-27	1.09E-26
XX External	X Respiratory	214	1772	711	16672	23.1	9.6	2.8	2.4	3.3	1.36E-31	2.77E-31
XX External	XIII Musculoskeletal	264	2437	661	16007	28.5	13.2	2.6	2.3	3.1	1.87E-32	3.95E-32
XX External	II Neoplasms	304	2911	621	15533	32.9	15.8	2.6	2.3	3.0	1.30E-35	3.18E-35

XX External	IX Circulatory	370	3819	555	14625	40.0	20.7	2.6	2.2	2.9	2.41E-38	6.16E-38
XX External	XIV Genitourinary	353	3832	572	14612	38.2	20.8	2.4	2.0	2.7	8.35E-32	1.72E-31
XX External	XI Digestive	469	5654	456	12790	50.7	30.7	2.3	2.0	2.7	5.01E-35	1.14E-34
XX External	VIII Ear	29	259	896	18185	3.1	1.4	2.3	1.5	3.4	2.13E-04	2.35E-04
XX External	VII Eye	111	1251	814	17193	12.0	6.8	1.9	1.5	2.3	2.32E-08	2.82E-08
XX External	XV Pregnancy-related	32	813	893	17631	3.5	4.4	0.8	0.5	1.1	0.19	0.19
XXI Health Status	XV Pregnancy-related	768	77	5838	12686	11.6	0.6	21.7	17.1	27.8	6.25E-275	1.78E-273
XXI Health Status	IV Endocrine	1402	679	5204	12084	21.2	5.3	4.8	4.3	5.3	9.87E-237	2.11E-235
XXI Health Status	IX Circulatory	2509	1680	4097	11083	38.0	13.2	4.0	3.8	4.3	0.00E+00	<1.0E-300
XXI Health Status	V Psychiatric	555	286	6051	12477	8.4	2.2	4.0	3.5	4.6	8.84E-83	5.40E-82
XXI Health Status	XX External	608	317	5998	12446	9.2	2.5	4.0	3.5	4.6	1.14E-89	8.14E-89
XXI Health Status	XVIII Other	3097	2443	3509	10320	46.9	19.1	3.7	3.5	4.0	0.00E+00	<1.0E-300
XXI Health Status	III Blood	478	271	6128	12492	7.2	2.1	3.6	3.1	4.2	5.56E-64	2.21E-63
XXI Health Status	II Neoplasms	1875	1340	4731	11423	28.4	10.5	3.4	3.1	3.7	1.10E-209	1.71E-208
XXI Health Status	XIII Musculoskeletal	1572	1129	5034	11634	23.8	8.8	3.2	3.0	3.5	8.91E-169	1.09E-167
XXI Health Status	X Respiratory	1174	812	5432	11951	17.8	6.4	3.2	2.9	3.5	3.45E-128	3.47E-127
XXI Health Status	VI Neurological	716	484	5890	12279	10.8	3.8	3.1	2.7	3.5	1.04E-77	5.57E-77
XXI Health Status	I Infections	541	359	6065	12404	8.2	2.8	3.1	2.7	3.5	1.08E-59	3.83E-59
XXI Health Status	XIV Genitourinary	2279	1906	4327	10857	34.5	14.9	3.0	2.8	3.2	4.69E-207	6.68E-206
XXI Health Status	XIX Injury or Poisoning	861	628	5745	12135	13.0	4.9	2.9	2.6	3.2	1.30E-84	8.58E-84
XXI Health Status	XI Digestive	3105	3018	3501	9745	47.0	23.6	2.9	2.7	3.1	3.28E-235	6.23E-234
XXI Health Status	VIII Ear	167	121	6439	12642	2.5	0.9	2.7	2.1	3.5	9.06E-17	1.32E-16
XXI Health Status	XII Skin	857	721	5749	12042	13.0	5.6	2.5	2.2	2.8	5.62E-66	2.40E-65

XXI Health Status	VII Eye	741	621	5865	12142	11.2	4.9	2.5	2.2	2.8	4.57E-57	1.60E-56
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Results are from independent two-sided Fisher's exact tests.

**: p-value adjusted for correction for the number of tests performed (FDR<0.05)*

Supplementary Table 2.8: Body mass index (BMI) and head motion differences in those with and without each tier 1 ICD-10 recorded diagnoses

Dependent variable	Tier 1 medical conditions	Freq	R ² ‡	β	95% Confidence Interval		p	p _{FDR} *
BMI	I Infections	900	3.01E-04	0.08	0.02	0.15	0.02	0.02
Head motion	I Infections	900	1.92E-03	0.21	0.14	0.28	1.05E-09	1.82E-09
BMI	II Neoplasms	3215	8.94E-05	0.03	-0.01	0.06	0.19	0.19
Head motion	II Neoplasms	3215	9.80E-04	0.08	0.05	0.12	1.32E-05	1.86E-05
BMI	III Blood	749	1.62E-05	0.02	-0.05	0.09	0.58	0.58
Head motion	III Blood	749	9.81E-05	0.05	-0.02	0.12	0.17	0.18
BMI	IV Endocrine	2081	2.32E-02	0.49	0.45	0.54	5.89E-101	7.46E-100
Head motion	IV Endocrine	2081	2.95E-02	0.55	0.51	0.60	6.38E-128	2.42E-126
BMI	V Psychiatric	841	3.17E-03	0.28	0.21	0.35	4.63E-15	9.77E-15
Head motion	V Psychiatric	841	6.52E-03	0.40	0.33	0.47	2.11E-29	1.00E-28
BMI	VI Neurological	1200	6.11E-03	0.32	0.27	0.38	1.22E-27	5.14E-27
Head motion	VI Neurological	1200	5.37E-03	0.30	0.25	0.36	1.69E-24	6.43E-24
BMI	VII Eye	1362	5.18E-04	0.09	0.03	0.14	1.53E-03	1.88E-03
Head motion	VII Eye	1362	3.19E-03	0.22	0.17	0.28	3.79E-15	8.47E-15
BMI	VIII Ear	288	4.66E-04	0.18	0.06	0.29	2.66E-03	3.16E-03
Head motion	VIII Ear	288	8.84E-04	0.25	0.13	0.36	3.50E-05	4.59E-05
BMI	IX Circulatory	4189	1.54E-02	0.30	0.27	0.33	3.75E-67	3.56E-66
Head motion	IX Circulatory	4189	2.63E-02	0.39	0.36	0.43	2.02E-114	3.85E-113
BMI	X Respiratory	1986	3.99E-03	0.21	0.16	0.25	1.31E-18	3.12E-18

Head motion	X Respiratory	1986	7.62E-03	0.29	0.24	0.33	4.51E-34	2.45E-33
BMI	XI Digestive	6123	4.86E-03	0.15	0.12	0.18	2.65E-22	8.38E-22
Head motion	XI Digestive	6123	8.81E-03	0.20	0.17	0.23	3.81E-39	2.41E-38
BMI	XII Skin	1578	1.30E-03	0.13	0.08	0.18	5.01E-07	7.32E-07
Head motion	XII Skin	1578	2.12E-03	0.17	0.12	0.22	1.39E-10	2.64E-10
BMI	XIII Musculoskeletal	2701	4.08E-03	0.18	0.14	0.22	5.64E-19	1.43E-18
Head motion	XIII Musculoskeletal	2701	4.85E-03	0.20	0.16	0.24	2.93E-22	8.56E-22
BMI	XIV Genitourinary	4185	3.08E-04	0.04	0.01	0.08	0.01	0.02
Head motion	XIV Genitourinary	4185	1.34E-04	0.03	-0.01	0.06	0.11	0.12
BMI	XV Pregnancy-related	845	1.81E-03	-0.21	-0.28	-0.14	3.14E-09	5.19E-09
Head motion	XV Pregnancy-related	845	1.04E-02	-0.50	-0.57	-0.43	6.29E-46	4.78E-45
BMI	XVIII Other	5540	4.39E-03	0.15	0.12	0.18	2.80E-20	7.61E-20
Head motion	XVIII Other	5540	4.95E-03	0.16	0.12	0.19	1.10E-22	3.79E-22
BMI	XIX Injury or Poisoning	1489	9.42E-04	0.12	0.06	0.17	1.94E-05	2.63E-05
Head motion	XIX Injury or Poisoning	1489	1.73E-03	0.16	0.10	0.21	7.24E-09	1.15E-08
BMI	XX External	925	6.93E-04	0.12	0.06	0.19	2.49E-04	3.15E-04
Head motion	XX External	925	1.38E-03	0.17	0.11	0.24	2.44E-07	3.70E-07
BMI	XXI Health Status	6606	2.06E-03	0.10	0.07	0.13	2.74E-10	4.96E-10
Head motion	XXI Health Status	6606	2.47E-03	0.10	0.08	0.13	4.33E-12	8.65E-12

Results are from independent univariate linear regression analysis testing the effect on log transformed and z-transformed body mass index (BMI) or mean resting-state fMRI head displacement/motion (Head Motion) by each tier 1 diagnosis

‡ R² explained by the specific tier 1 diagnosis.

**: p-value adjusted for correction for the number of tests performed (FDR<0.05)*

Supplementary Table 2.9: The effect of each tier 1 ICD-10 recorded diagnoses on total cerebellar volume with additional head motion and/or body mass index correction

Tier-1 medical condition	Additional covariates included	Freq	$\Delta R^2\ddagger$	β	95% Confidence Interval		p	p_{FDR}^*
I Infections	BMI	900	8.32E-06	-152.67	-689.66	384.32	0.58	0.80
I Infections	HM	900	1.82E-06	71.54	-462.6	605.69	0.79	0.98
I Infections	HM+BMI	900	7.30E-07	45.28	-487.88	578.43	0.87	0.92
II Neoplasms	BMI	3215	3.00E-05	165.4	-140.97	471.77	0.29	0.61
II Neoplasms	HM	3215	5.12E-05	216.24	-88.32	520.8	0.16	0.49
II Neoplasms	HM+BMI	3215	5.22E-05	218.3	-85.67	522.28	0.16	0.45
III Blood	BMI	749	1.88E-05	-251.4	-838.9	336.11	0.40	0.64
III Blood	HM	749	6.92E-06	-152.41	-736.43	431.62	0.61	0.89
III Blood	HM+BMI	749	7.61E-06	-159.74	-742.64	423.17	0.59	0.86
IV Endocrine	BMI	2081	6.78E-04	-957.65	-1330.44	-584.87	4.82E-07	9.15E-06
IV Endocrine	HM	2081	5.52E-04	-863.49	-1233.82	-493.17	4.90E-06	9.31E-05
IV Endocrine	HM+BMI	2081	4.11E-04	-747.32	-1117.98	-376.66	7.78E-05	1.48E-03
V Psychiatric	BMI	841	4.18E-04	-1119.42	-1674.76	-564.08	7.81E-05	7.42E-04
V Psychiatric	HM	841	2.22E-04	-818.12	-1371.24	-264.99	3.75E-03	0.02
V Psychiatric	HM+BMI	841	2.21E-04	-815.05	-1367.11	-262.99	3.81E-03	0.04
VI Neurological	BMI	1200	1.83E-04	-628.29	-1099.08	-157.5	8.91E-03	0.04
VI Neurological	HM	1200	1.93E-04	-643.93	-1111.43	-176.42	6.94E-03	0.03
VI Neurological	HM+BMI	1200	1.40E-04	-549.33	-1016.46	-82.2	0.02	0.10
VII Eye	BMI	1362	7.18E-05	-373.68	-821.11	73.75	0.10	0.39
VII Eye	HM	1362	5.78E-05	-335.36	-780.1	109.38	0.14	0.49

VII Eye	HM+BMI	1362	5.06E-05	-313.83	-757.75	130.08	0.17	0.45
VIII Ear	BMI	288	3.19E-05	520.38	-414.44	1455.2	0.28	0.61
VIII Ear	HM	288	3.89E-05	574.48	-354.66	1503.62	0.23	0.49
VIII Ear	HM+BMI	288	4.53E-05	620.26	-307.15	1547.66	0.19	0.45
IX Circulatory	BMI	4189	3.66E-04	-531.91	-813.74	-250.09	2.17E-04	1.37E-03
IX Circulatory	HM	4189	2.57E-04	-445.54	-725.81	-165.27	1.84E-03	0.02
IX Circulatory	HM+BMI	4189	1.90E-04	-383.65	-663.75	-103.54	7.27E-03	0.05
X Respiratory	BMI	1986	2.12E-05	-169.5	-543.01	204	0.37	0.64
X Respiratory	HM	1986	2.13E-07	17.03	-354.86	388.92	0.93	0.98
X Respiratory	HM+BMI	1986	6.63E-07	30.03	-341.15	401.22	0.87	0.92
XI Digestive	BMI	6123	7.90E-06	-67.92	-313.1	177.26	0.59	0.80
XI Digestive	HM	6123	4.73E-07	-16.62	-260.39	227.14	0.89	0.98
XI Digestive	HM+BMI	6123	2.84E-07	12.9	-230.49	256.29	0.92	0.92
XII Skin	BMI	1578	4.23E-06	83.9	-329.91	497.71	0.69	0.84
XII Skin	HM	1578	1.01E-05	129.5	-281.83	540.83	0.54	0.89
XII Skin	HM+BMI	1578	1.47E-05	156.45	-254.13	567.02	0.46	0.86
XIII Musculoskeletal	BMI	2701	5.63E-09	-2.43	-330.44	325.59	0.99	0.99
XIII Musculoskeletal	HM	2701	1.62E-10	0.41	-325.42	326.24	1.00	1.00
XIII Musculoskeletal	HM+BMI	2701	3.10E-06	56.98	-268.47	382.44	0.73	0.92
XIV Genitourinary	BMI	4185	1.77E-06	36.87	-244.52	318.26	0.80	0.84
XIV Genitourinary	HM	4185	3.65E-06	52.98	-226.67	332.64	0.71	0.96
XIV Genitourinary	HM+BMI	4185	8.16E-06	79.27	-199.91	358.45	0.58	0.86
XV Pregnancy-related	BMI	845	7.73E-05	-361.46	-965.19	242.27	0.24	0.61

XV Pregnancy-related	HM	845	7.95E-05	-366.52	-967.16	234.12	0.23	0.49
XV Pregnancy-related	HM+BMI	845	9.51E-05	-400.84	-1000.53	198.85	0.19	0.45
XVIII Other	BMI	5540	4.45E-05	-165.49	-417.12	86.14	0.20	0.61
XVIII Other	HM	5540	4.71E-05	-170.19	-420.13	79.76	0.18	0.49
XVIII Other	HM+BMI	5540	2.60E-05	-126.54	-376.2	123.13	0.32	0.68
XIX Injury or Poisoning	BMI	1489	2.15E-06	-61.42	-485.92	363.08	0.78	0.84
XIX Injury or Poisoning	HM	1489	2.84E-07	22.29	-399.75	444.33	0.92	0.98
XIX Injury or Poisoning	HM+BMI	1489	6.29E-07	33.21	-388.03	454.45	0.88	0.92
XX External	BMI	925	3.21E-06	93.68	-436.72	624.08	0.73	0.84
XX External	HM	925	9.57E-06	161.72	-365.52	688.96	0.55	0.89
XX External	HM+BMI	925	1.13E-05	175.43	-350.8	701.67	0.51	0.86
XXI Health Status	BMI	6606	2.62E-05	-121.78	-363.13	119.56	0.32	0.61
XXI Health Status	HM	6606	8.07E-06	-67.59	-307.58	172.39	0.58	0.89
XXI Health Status	HM+BMI	6606	4.47E-06	-50.31	-289.86	189.24	0.68	0.92

*Results are from independent univariate linear regression analyses testing the effect on total cerebellar volume of each tier 1 diagnosis, including all default covariates (age², sex, age²*sex, total brain volume, imaging centre attended, date attended) and either log transformed and z-transformed body mass index (BMI) or mean resting-state fMRI head displacement/motion (Head Motion) or both*

‡ Unique R² explained by the tier 1 diagnosis. Calculated: R² of model with tier 1 diagnosis - R² of model without tier 1 diagnosis

**: p-value adjusted for correction for the number of tests performed (FDR<0.05)*

Supplementary Table 2.11: The effect of each tier 2 ICD-10 recorded diagnoses on total cerebellar volume

Tier 2 Medical condition	Total n†	Freq Tier-2	Freq Control	$\Delta R^2\ddagger$	β	95% Confidence		p	p_{FDR}^*
						Interval			
A00-A09 Intestinal infectious diseases	18730	261	18469	1.82E-04	-1284.55	-2280.27	-288.82	0.01	0.05
B95-B98 Bacterial, viral and other infectious agents	18802	333	18469	1.74E-05	-352.41	-1235.71	530.89	0.43	0.63
C43-C44 Melanoma and other malignant neoplasms of skin	16700	546	16154	2.63E-08	10.23	-688.44	708.89	0.98	0.98
C50-C50 Malignant neoplasm of breast	16469	315	16154	2.84E-07	43.61	-868.81	956.04	0.93	0.96
C60-C63 Malignant neoplasms of male genital organs	16385	231	16154	2.47E-05	477.87	-596.67	1552.41	0.38	0.58
D10-D36 Benign neoplasms	18125	1971	16154	1.02E-05	114.28	-267.18	495.74	0.56	0.70
D50-D53 Nutritional anaemias	18896	276	18620	4.73E-06	202.05	-767.71	1171.81	0.68	0.79
D60-D64 Aplastic and other anaemias	18961	341	18620	7.71E-05	-737.65	-1612.74	137.43	0.10	0.23
E00-E07 Disorders of thyroid gland	17831	543	17288	4.37E-04	-1349.17	-2042.41	-655.93	1.37E-04	1.16E-03
E10-E14 Diabetes mellitus	17734	446	17288	2.47E-03	-3548.17	-4314.74	-2781.59	1.28E-19	8.72E-18
E65-E68 Obesity and other hyperalimentation	17506	218	17288	1.59E-03	-3972.02	-5051.67	-2892.37	5.77E-13	1.31E-11
E70-E90 Metabolic disorders	18456	1168	17288	9.18E-04	-1404.15	-1892.2	-916.11	1.73E-08	2.94E-07
F10-F19 Mental and behavioural disorders due to psychoactive substance use	18849	321	18528	6.33E-04	-2162.95	-3062.4	-1263.5	2.45E-06	3.01E-05
F30-F39 Mood [affective] disorders	18887	359	18528	2.39E-04	-1259.46	-2109.26	-409.67	3.68E-03	0.03
F40-F48 Neurotic, stress-related and somatoform disorders	18746	218	18528	4.75E-06	-225.84	-1309.59	857.92	0.68	0.79

G40-G47 Episodic and paroxysmal disorders	18623	454	18169	2.94E-04	-1234.77	-1991.43	-478.12	1.38E-03	0.01
G50-G59 Nerve, nerve root and plexus disorders	18766	597	18169	1.74E-04	-835.69	-1499.3	-172.08	0.01	0.06
H00-H06 Disorders of eyelid, lacrimal system and orbit	18437	430	18007	6.83E-07	-60.62	-837.71	716.46	0.88	0.93
H25-H28 Disorders of lens	18626	619	18007	1.13E-04	-669.86	-1332.91	-6.8	0.05	0.14
H30-H36 Disorders of choroid and retina	18211	204	18007	1.14E-04	-1125.77	-2249.49	-2.05	0.05	0.14
I10-I15 Hypertensive diseases	17364	2184	15180	1.84E-03	-1481.51	-1856.15	-1106.88	9.60E-15	3.26E-13
I20-I25 Ischaemic heart diseases	15968	788	15180	7.38E-04	-1412.1	-2001.35	-822.84	2.66E-06	3.01E-05
I30-I52 Other forms of heart disease	15608	428	15180	2.82E-04	-1133.08	-1907.65	-358.51	4.14E-03	0.03
I80-I89 Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified	16791	1611	15180	1.52E-04	-460.1	-873.85	-46.34	0.03	0.09
J30-J39 Other diseases of upper respiratory tract	18024	641	17383	1.64E-05	-242.48	-882.97	398	0.46	0.65
J40-J47 Chronic lower respiratory diseases	18470	1087	17383	5.92E-05	-363.71	-862.75	135.33	0.15	0.31
K00-K14 Diseases of oral cavity, salivary glands and jaws	13955	709	13246	1.59E-04	-634.29	-1244.39	-24.18	0.04	0.12
K20-K31 Diseases of oesophagus, stomach and duodenum	15653	2407	13246	7.06E-05	-259.85	-614.09	94.39	0.15	0.31
K40-K46 Hernia	14910	1664	13246	1.55E-04	-446.86	-867.53	-26.2	0.04	0.12
K50-K52 Noninfective enteritis and colitis	13871	625	13246	5.80E-05	-405.39	-1052.48	241.71	0.22	0.39
K55-K64 Other diseases of intestines	15631	2385	13246	1.23E-04	-344.41	-699.21	10.4	0.06	0.14
K80-K87 Disorders of gallbladder, biliary tract and pancreas	13801	555	13246	1.85E-04	-768.93	-1457.07	-80.8	0.03	0.09
K90-K93 Other diseases of the digestive system	13623	377	13246	1.02E-04	-680.53	-1506.39	145.33	0.11	0.24
L00-L08 Infections of the skin and subcutaneous tissue	18124	333	17791	1.10E-04	-868.34	-1750.3	13.61	0.05	0.14
L60-L75 Disorders of skin appendages	18283	492	17791	1.32E-05	-249.34	-977.2	478.51	0.50	0.67

L80-L99 Other disorders of the skin and subcutaneous tissue	18368	577	17791	6.01E-05	495.04	-179.59	1169.67	0.15	0.31
M05-M14 Inflammatory polyarthropathies	16993	325	16668	1.55E-04	-1015.24	-1912.2	-118.28	0.03	0.09
M15-M19 Arthrosis	17401	733	16668	3.92E-05	-347.98	-952.92	256.96	0.26	0.45
M20-M25 Other joint disorders	17762	1094	16668	1.42E-06	-55.27	-554.69	444.15	0.83	0.89
M45-M49 Spondylopathies	16897	229	16668	1.83E-04	-1306.5	-2371.06	-241.93	0.02	0.06
M50-M54 Other dorsopathies	17035	367	16668	5.92E-06	186.58	-656.72	1029.88	0.67	0.79
M70-M79 Other soft tissue disorders	17393	725	16668	4.79E-05	-386.05	-993.6	221.5	0.21	0.39
N20-N23 Urolithiasis	15439	255	15184	2.73E-05	-460.64	-1471.42	550.14	0.37	0.58
N30-N39 Other diseases of urinary system	16165	981	15184	2.62E-05	-241.45	-771.1	288.2	0.37	0.58
N40-N51 Diseases of male genital organs	15933	749	15184	7.56E-06	-150.8	-770.68	469.08	0.63	0.77
N60-N64 Disorders of breast	15448	264	15184	6.64E-05	709.43	-289.62	1708.48	0.16	0.32
N70-N77 Inflammatory diseases of female pelvic organs	15481	297	15184	4.08E-05	527.56	-420.7	1475.82	0.28	0.47
N80-N98 Noninflammatory disorders of female genital tract	17542	2358	15184	2.41E-05	-170.68	-547.82	206.45	0.38	0.58
O00-O08 Pregnancy with abortive outcome	9581	211	9370	9.47E-05	-680.98	-1760.86	398.91	0.22	0.39
O30-O48 Maternal care related to the fetus and amniotic cavity and possible delivery problems	9767	397	9370	2.02E-05	-245.3	-1077.99	587.39	0.56	0.70
O60-O75 Complications of labour and delivery	9912	542	9370	1.97E-05	216.32	-521.03	953.66	0.57	0.70
R00-R09 Symptoms and signs involving the circulatory and respiratory systems	15590	1761	13829	2.43E-04	-547.5	-951.6	-143.39	7.92E-03	0.04
R10-R19 Symptoms and signs involving the digestive system and abdomen	16014	2185	13829	8.30E-05	-294.51	-660.39	71.37	0.12	0.25
R20-R23 Symptoms and signs involving the skin and subcutaneous tissue	14067	238	13829	3.48E-08	15.93	-1018.15	1050	0.98	0.98

R30-R39 Symptoms and signs involving the urinary system	14805	976	13829	2.93E-05	-243.15	-773.15	286.86	0.37	0.58
R40-R46 Symptoms and signs involving cognition, perception, emotional state and behaviour	14061	232	13829	3.48E-06	161.64	-888	1211.27	0.76	0.85
R50-R69 General symptoms and signs	15323	1494	13829	2.66E-04	-609.21	-1043.46	-174.96	5.97E-03	0.03
R70-R79 Abnormal findings on examination of blood, without diagnosis	14109	280	13829	2.62E-05	-410.37	-1380.82	560.08	0.41	0.60
R90-R94 Abnormal findings on diagnostic imaging and in function studies, without diagnosis	14080	251	13829	3.06E-04	-1462.56	-2472.87	-452.25	4.55E-03	0.03
S00-S09 Injuries to the head	18090	210	17880	9.72E-06	-323.66	-1430.52	783.19	0.57	0.70
S60-S69 Injuries to the wrist and hand	18119	239	17880	9.89E-05	-969.9	-2008.99	69.19	0.07	0.16
T80-T88 Complications of surgical and medical care, not elsewhere classified	18377	497	17880	2.12E-07	-31.57	-756.96	693.83	0.93	0.96
Y83-Y84 Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure	18854	410	18444	1.43E-05	288.36	-508.82	1085.54	0.48	0.65
Z00-Z13 Persons encountering health services for examination and investigation	14484	1721	12763	5.30E-06	-79.33	-490.33	331.66	0.71	0.80
Z30-Z39 Persons encountering health services in circumstances related to reproduction	14056	1293	12763	1.92E-05	185.45	-327.75	698.65	0.48	0.65
Z40-Z54 Persons encountering health services for specific procedures and health care	14531	1768	12763	2.11E-06	-49.58	-455.79	356.63	0.81	0.89
Z70-Z76 Persons encountering health services in other circumstances	13401	638	12763	6.54E-04	-1336.68	-1984.54	-688.81	5.28E-05	5.13E-04

Z80-Z99 Persons with potential health hazards related to family and personal history and certain conditions influencing health status	16873	4110	12763	1.84E-04	-357.04	-647.78	-66.3	0.02	0.06
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*Results are from independent univariate linear regression analyses testing the effect on total cerebellar volume of each tier 2 diagnosis, including all default covariates (age², sex, age²*sex, total brain volume, imaging centre attended, date attended)*

† Including those with the tier 2 condition and the “control” participants i.e. those without that tier 2 condition and without and tier 2 condition within the same tier 1 grouping

‡ Unique R² explained by the tier 2 diagnosis. Calculated: R² of model with tier 2 diagnosis - R² of model without tier 2 diagnosis

**: p-value adjusted for correction for the number of tests performed (FDR<0.05)*

Supplementary Table 2.12: The effect of each tier 2 ICD-10 recorded diagnoses on total cerebellar volume with additional head motion and body mass index correction

Tier 2 Medical condition	Total n†	Freq Tier 2	Freq Control	$\Delta R^2\ddagger$	β	95% Confidence Interval	p	P_{FDR}^*
A00-A09 Intestinal infectious diseases	18730	261	18469	8.60E-05	-882.59	-1855.67 90.49	0.08	0.36
B95-B98 Bacterial, viral and other infectious agents	18802	333	18469	2.64E-10	-1.37	-864.51 861.76	1.00	1.00
C43-C44 Melanoma and other malignant neoplasms of skin	16700	546	16154	3.45E-06	-117.16	-799.81 565.5	0.74	0.95
C50-C50 Malignant neoplasm of breast	16469	315	16154	7.77E-07	72.11	-819.2 963.42	0.87	0.98
C60-C63 Malignant neoplasms of male genital organs	16385	231	16154	8.38E-06	278.47	-771.59 1328.52	0.60	0.95
D10-D36 Benign neoplasms	18125	1971	16154	7.17E-05	303.75	-69.26 676.77	0.11	0.42
D50-D53 Nutritional anaemias	18896	276	18620	6.57E-06	238.24	-709.42 1185.89	0.62	0.95
D60-D64 Aplastic and other anaemias	18961	341	18620	3.18E-05	-473.94	-1329.12 381.25	0.28	0.67
E00-E07 Disorders of thyroid gland	17831	543	17288	1.16E-04	-695.83	-1376.89 -14.77	0.05	0.34
E10-E14 Diabetes mellitus	17734	446	17288	8.63E-04	-2116.03	-2873.6 -1358.46	4.44E-08	3.02E-06
E65-E68 Obesity and other hyperalimentation	17506	218	17288	2.72E-04	-1669.69	-2745.52 -593.86	2.35E-03	0.04
E70-E90 Metabolic disorders	18456	1168	17288	2.09E-04	-673.85	-1154.08 -193.62	5.96E-03	0.08
F10-F19 Mental and behavioural disorders due to psychoactive substance use	18849	321	18528	2.53E-04	-1371.11	-2253.42 -488.79	2.32E-03	0.04
F30-F39 Mood [affective] disorders	18887	359	18528	5.21E-05	-589.57	-1421.63 242.5	0.17	0.47
F40-F48 Neurotic, stress-related and somatoform disorders	18746	218	18528	5.23E-06	237.03	-822.92 1296.98	0.66	0.95
G40-G47 Episodic and paroxysmal disorders	18623	454	18169	7.08E-05	-607.69	-1348.36 132.99	0.11	0.42
G50-G59 Nerve, nerve root and plexus disorders	18766	597	18169	1.12E-05	-212.81	-862.54 436.93	0.52	0.92
H00-H06 Disorders of eyelid, lacrimal system and orbit	18437	430	18007	4.43E-06	154.39	-604.85 913.63	0.69	0.95

H25-H28 Disorders of lens	18626	619	18007	5.64E-05	-472.59	-1120.43	175.24	0.15	0.47
H30-H36 Disorders of choroid and retina	18211	204	18007	9.98E-05	-1052.46	-2150.13	45.22	0.06	0.36
I10-I15 Hypertensive diseases	17364	2184	15180	2.76E-04	-582.07	-953.74	-210.4	2.15E-03	0.04
I20-I25 Ischaemic heart diseases	15968	788	15180	1.72E-04	-683.71	-1262.96	-104.46	0.02	0.20
I30-I52 Other forms of heart disease	15608	428	15180	1.05E-04	-691.58	-1450.52	67.35	0.07	0.36
I80-I89 Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified	16791	1611	15180	3.95E-05	-234.75	-640.24	170.74	0.26	0.67
J30-J39 Other diseases of upper respiratory tract	18024	641	17383	4.31E-08	12.44	-613.56	638.45	0.97	1.00
J40-J47 Chronic lower respiratory diseases	18470	1087	17383	3.39E-05	276.18	-213.44	765.81	0.27	0.67
K00-K14 Diseases of oral cavity, salivary glands and jaws	13955	709	13246	3.20E-05	-284.79	-881.36	311.78	0.35	0.75
K20-K31 Diseases of oesophagus, stomach and duodenum	15653	2407	13246	1.79E-06	41.4	-305.58	388.38	0.82	0.97
K40-K46 Hernia	14910	1664	13246	4.11E-06	-72.99	-485.11	339.14	0.73	0.95
K50-K52 Noninfective enteritis and colitis	13871	625	13246	5.87E-06	-129.06	-762.15	504.03	0.69	0.95
K55-K64 Other diseases of intestines	15631	2385	13246	4.32E-07	-20.44	-368.18	327.29	0.91	0.98
K80-K87 Disorders of gallbladder, biliary tract and pancreas	13801	555	13246	1.53E-06	70.3	-606.63	747.24	0.84	0.97
K90-K93 Other diseases of the digestive system	13623	377	13246	2.16E-05	-313.11	-1120.47	494.26	0.45	0.85
L00-L08 Infections of the skin and subcutaneous tissue	18124	333	17791	1.34E-06	-96.24	-959.06	766.58	0.83	0.97
L60-L75 Disorders of skin appendages	18283	492	17791	4.64E-06	-148.1	-859.14	562.94	0.68	0.95
L80-L99 Other disorders of the skin and subcutaneous tissue	18368	577	17791	9.41E-05	619.32	-39.91	1278.56	0.07	0.36
M05-M14 Inflammatory polyarthropathies	16993	325	16668	1.97E-05	-362.14	-1239.63	515.35	0.42	0.81
M15-M19 Arthrosis	17401	733	16668	4.34E-06	116.04	-476.06	708.14	0.70	0.95
M20-M25 Other joint disorders	17762	1094	16668	2.49E-05	231.44	-257.15	720.03	0.35	0.75
M45-M49 Spondylopathies	16897	229	16668	7.15E-05	-816.17	-1857.8	225.46	0.13	0.45

M50-M54 Other dorsopathies	17035	367	16668	6.40E-05	613.61	-211.43	1438.65	0.15	0.47
M70-M79 Other soft tissue disorders	17393	725	16668	3.06E-08	9.78	-584.81	604.36	0.97	1.00
N20-N23 Urolithiasis	15439	255	15184	2.06E-06	126.42	-861.58	1114.42	0.80	0.97
N30-N39 Other diseases of urinary system	16165	981	15184	5.37E-07	34.58	-482.88	552.04	0.90	0.98
N40-N51 Diseases of male genital organs	15933	749	15184	9.48E-12	-0.17	-605.34	605	1.00	1.00
N60-N64 Disorders of breast	15448	264	15184	1.13E-04	925.67	-50.16	1901.49	0.06	0.36
N70-N77 Inflammatory diseases of female pelvic organs	15481	297	15184	6.48E-05	665.45	-260.44	1591.34	0.16	0.47
N80-N98 Noninflammatory disorders of female genital tract	17542	2358	15184	1.46E-07	-13.29	-381.84	355.27	0.94	1.00
O00-O08 Pregnancy with abortive outcome	9581	211	9370	1.84E-04	-949.59	-2007.53	108.35	0.08	0.36
O30-O48 Maternal care related to the fetus and amniotic cavity and possible delivery problems	9767	397	9370	4.22E-05	-354.75	-1170.38	460.89	0.39	0.79
O60-O75 Complications of labour and delivery	9912	542	9370	3.71E-06	-94.01	-816.69	628.67	0.80	0.97
R00-R09 Symptoms and signs involving the circulatory and respiratory systems	15590	1761	13829	6.19E-07	-27.76	-424.2	368.68	0.89	0.98
R10-R19 Symptoms and signs involving the digestive system and abdomen	16014	2185	13829	4.93E-06	-71.9	-430.41	286.61	0.69	0.95
R20-R23 Symptoms and signs involving the skin and subcutaneous tissue	14067	238	13829	3.43E-05	500.55	-511.24	1512.33	0.33	0.75
R30-R39 Symptoms and signs involving the urinary system	14805	976	13829	1.47E-05	-171.91	-690.45	346.63	0.52	0.92
R40-R46 Symptoms and signs involving cognition, perception, emotional state and behaviour	14061	232	13829	3.73E-05	528.97	-497.75	1555.69	0.31	0.73
R50-R69 General symptoms and signs	15323	1494	13829	9.56E-05	-365.71	-790.37	58.96	0.09	0.39
R70-R79 Abnormal findings on examination of blood, without diagnosis	14109	280	13829	7.99E-06	-226.62	-1175.87	722.63	0.64	0.95

R90-R94 Abnormal findings on diagnostic imaging and in function studies, without diagnosis	14080	251	13829	1.67E-04	-1080.32	-2069.02	-91.62	0.03	0.27
S00-S09 Injuries to the head	18090	210	17880	3.85E-06	-203.81	-1285.18	877.55	0.71	0.95
S60-S69 Injuries to the wrist and hand	18119	239	17880	5.64E-05	-732.38	-1747.93	283.17	0.16	0.47
T80-T88 Complications of surgical and medical care, not elsewhere classified	18377	497	17880	7.48E-06	187.53	-521.27	896.33	0.60	0.95
Y83-Y84 Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure	18854	410	18444	3.78E-05	469.48	-309.09	1248.05	0.24	0.65
Z00-Z13 Persons encountering health services for examination and investigation	14484	1721	12763	5.26E-06	79.06	-322.61	480.73	0.70	0.95
Z30-Z39 Persons encountering health services in circumstances related to reproduction	14056	1293	12763	1.47E-05	162.06	-340.16	664.29	0.53	0.92
Z40-Z54 Persons encountering health services for specific procedures and health care	14531	1768	12763	2.53E-05	171.96	-225.45	569.37	0.40	0.79
Z70-Z76 Persons encountering health services in other circumstances	13401	638	12763	2.32E-04	-797.79	-1432.4	-163.19	0.01	0.16
Z80-Z99 Persons with potential health hazards related to family and personal history and certain conditions influencing health status	16873	4110	12763	2.20E-06	-39.19	-323.71	245.32	0.79	0.97

*Results are from independent univariate linear regression analyses testing the effect on total cerebellar volume of each tier 2 diagnosis, including all default covariates (age², sex, age²*sex, total brain volume, imaging centre attended, date attended), as well as both body mass index (BMI) and mean resting-state fMRI head displacement/motion*

† Including those with the tier 2 condition and the “control” participants i.e. those without that tier 2 condition and without and tier 2 condition within the same tier 1 grouping

‡ Unique R^2 explained by the tier 2 diagnosis. Calculated: R^2 of model with tier 2 diagnosis - R^2 of model without tier 2 diagnosis

**: p-value adjusted for correction for the number of tests performed (FDR<0.05)*

Chapter 4

Supplementary table 4.6B: All functional annotation results for index SNP and SNPs $r^2 > 0.8$ to index SNP (LD partner) within each independent COJO identified genomic region

Locus	Cytoband	Index SNP	LD Partner Marker Name	LD Partner Chromosome: Physical Location	R ² between Index SNP and LD Partner	Consequence	PolyPhen	SIFT	CADD Score
1	1p34.2	rs12127002	rs3134614	chr1:40363054	0.88	UPSTREAM	NA	NA	4.1
1	1p34.2	rs12127002	rs3134614	chr1:40363054	0.88	REGULATORY	NA	NA	4.1
1	1p34.2	rs12127002	rs3134614	chr1:40363054	0.88	NON_SYNONYMOUS	benign	tolerated	4.1
1	1p34.2	rs12127002	rs12127002	chr1:40384968	NA	INTERGENIC	NA	NA	2.7
1	1p34.2	rs12127002	rs12127002	chr1:40384968	NA	REGULATORY	NA	NA	2.7
1	1p34.2	rs12127002	rs74067851	chr1:40385375	1.00	INTERGENIC	NA	NA	13.4
1	1p34.2	rs12127002	rs74067851	chr1:40385375	1.00	REGULATORY	NA	NA	13.4
2	1p32.3	rs1278519	rs2356864	chr1:50839740	0.82	INTERGENIC	NA	NA	1.4
2	1p32.3	rs1278519	rs2055492	chr1:50852720	0.81	INTERGENIC	NA	NA	10.4
2	1p32.3	rs1278519	rs2055491	chr1:50852769	0.81	INTERGENIC	NA	NA	0.4
2	1p32.3	rs1278519	rs5027764	chr1:50854465	0.81	INTERGENIC	NA	NA	8.2
2	1p32.3	rs1278519	rs5027763	chr1:50854654	0.81	INTERGENIC	NA	NA	13.6
2	1p32.3	rs1278519	rs12137724	chr1:50855083	0.81	INTERGENIC	NA	NA	12.7
2	1p32.3	rs1278519	rs34660213	chr1:50855137	0.81	INTERGENIC	NA	NA	7.4
2	1p32.3	rs1278519	rs12134378	chr1:50855207	0.81	INTERGENIC	NA	NA	8.9
2	1p32.3	rs1278519	rs12145267	chr1:50855284	0.81	INTERGENIC	NA	NA	3.0

2	1p32.3	rs1278519	rs2784133	chr1:50855708	0.81	INTERGENIC	NA	NA	5.9
2	1p32.3	rs1278519	rs2653887	chr1:50855924	0.81	INTERGENIC	NA	NA	1.9
2	1p32.3	rs1278519	rs2653886	chr1:50856193	0.81	INTERGENIC	NA	NA	12.7
2	1p32.3	rs1278519	rs2653885	chr1:50856277	0.81	INTERGENIC	NA	NA	5.8
2	1p32.3	rs1278519	rs2784132	chr1:50856537	0.81	INTERGENIC	NA	NA	3.4
2	1p32.3	rs1278519	rs2784131	chr1:50857713	0.81	INTERGENIC	NA	NA	11.0
2	1p32.3	rs1278519	rs2653884	chr1:50858087	0.81	INTERGENIC	NA	NA	7.4
2	1p32.3	rs1278519	rs2653883	chr1:50858252	0.81	INTERGENIC	NA	NA	1.5
2	1p32.3	rs1278519	rs2784130	chr1:50858272	0.81	INTERGENIC	NA	NA	0.7
2	1p32.3	rs1278519	rs2653882	chr1:50858518	0.81	INTERGENIC	NA	NA	12.8
2	1p32.3	rs1278519	rs2653881	chr1:50858748	0.81	INTERGENIC	NA	NA	3.8
2	1p32.3	rs1278519	rs2784129	chr1:50860499	0.81	DOWNSTREAM	NA	NA	7.1
2	1p32.3	rs1278519	rs2653878	chr1:50861220	0.81	DOWNSTREAM	NA	NA	3.7
2	1p32.3	rs1278519	rs6676515	chr1:50861987	0.81	DOWNSTREAM	NA	NA	2.0
2	1p32.3	rs1278519	rs2784128	chr1:50862183	0.84	DOWNSTREAM	NA	NA	7.0
2	1p32.3	rs1278519	rs2653876	chr1:50862893	0.84	DOWNSTREAM	NA	NA	0.7
2	1p32.3	rs1278519	rs2653875	chr1:50862994	0.84	DOWNSTREAM	NA	NA	0.4
2	1p32.3	rs1278519	rs2653874	chr1:50863012	0.84	DOWNSTREAM	NA	NA	0.3
2	1p32.3	rs1278519	rs2784127	chr1:50863031	0.84	DOWNSTREAM	NA	NA	1.2
2	1p32.3	rs1278519	rs2784126	chr1:50863112	0.84	DOWNSTREAM	NA	NA	3.1
2	1p32.3	rs1278519	rs2484682	chr1:50863159	0.84	DOWNSTREAM	NA	NA	0.3
2	1p32.3	rs1278519	rs2484681	chr1:50863166	0.84	DOWNSTREAM	NA	NA	0.5
2	1p32.3	rs1278519	rs2784125	chr1:50863529	0.84	DOWNSTREAM	NA	NA	0.1

2	1p32.3	rs1278519	rs2653873	chr1:50863717	0.84	DOWNSTREAM	NA	NA	0.1
2	1p32.3	rs1278519	rs2784124	chr1:50864969	0.84	NONCODING_CHANGE	NA	NA	11.0
2	1p32.3	rs1278519	rs2784123	chr1:50865008	0.84	NONCODING_CHANGE	NA	NA	7.7
2	1p32.3	rs1278519	rs2784122	chr1:50865140	0.84	INTRONIC	NA	NA	1.2
2	1p32.3	rs1278519	rs2784121	chr1:50865259	0.84	INTRONIC	NA	NA	2.5
2	1p32.3	rs1278519	rs2653872	chr1:50865316	0.84	SPLICE_SITE	NA	NA	10.1
2	1p32.3	rs1278519	rs2784119	chr1:50866618	0.84	DOWNSTREAM	NA	NA	0.1
2	1p32.3	rs1278519	rs2784119	chr1:50866618	0.84	UPSTREAM	NA	NA	0.1
2	1p32.3	rs1278519	rs2653871	chr1:50867521	0.84	UPSTREAM	NA	NA	12.3
2	1p32.3	rs1278519	rs2653871	chr1:50867521	0.84	DOWNSTREAM	NA	NA	12.3
2	1p32.3	rs1278519	rs2784118	chr1:50867728	0.84	DOWNSTREAM	NA	NA	7.1
2	1p32.3	rs1278519	rs2784118	chr1:50867728	0.84	UPSTREAM	NA	NA	7.1
2	1p32.3	rs1278519	rs2653870	chr1:50868036	0.84	UPSTREAM	NA	NA	2.1
2	1p32.3	rs1278519	rs2653870	chr1:50868036	0.84	DOWNSTREAM	NA	NA	2.1
2	1p32.3	rs1278519	rs2484680	chr1:50868417	0.86	UPSTREAM	NA	NA	0.0
2	1p32.3	rs1278519	rs2484680	chr1:50868417	0.86	DOWNSTREAM	NA	NA	0.0
2	1p32.3	rs1278519	rs2784117	chr1:50868866	0.84	DOWNSTREAM	NA	NA	2.4
2	1p32.3	rs1278519	rs2784117	chr1:50868866	0.84	UPSTREAM	NA	NA	2.4
2	1p32.3	rs1278519	rs2885040	chr1:50870083	0.84	DOWNSTREAM	NA	NA	0.4
2	1p32.3	rs1278519	rs2885040	chr1:50870083	0.84	UPSTREAM	NA	NA	0.4
2	1p32.3	rs1278519	rs2784160	chr1:50870851	0.84	DOWNSTREAM	NA	NA	0.5
2	1p32.3	rs1278519	rs2484678	chr1:50871167	0.84	NONCODING_CHANGE	NA	NA	7.3
2	1p32.3	rs1278519	rs1502856	chr1:50871847	0.84	UPSTREAM	NA	NA	2.2

2	1p32.3	rs1278519	rs2484676	chr1:50872673	0.84	UPSTREAM	NA	NA	6.6
2	1p32.3	rs1278519	rs2455640	chr1:50873105	0.84	UPSTREAM	NA	NA	1.8
2	1p32.3	rs1278519	rs2653904	chr1:50873233	0.84	UPSTREAM	NA	NA	1.1
2	1p32.3	rs1278519	rs2784156	chr1:50876601	0.84	UPSTREAM	NA	NA	7.3
2	1p32.3	rs1278519	rs2784157	chr1:50877107	0.86	INTERGENIC	NA	NA	2.7
2	1p32.3	rs1278519	rs2653901	chr1:50877526	0.84	INTERGENIC	NA	NA	2.8
2	1p32.3	rs1278519	rs1278530	chr1:50889255	0.95	UPSTREAM	NA	NA	14.7
2	1p32.3	rs1278519	rs1278530	chr1:50889255	0.95	REGULATORY	NA	NA	14.7
2	1p32.3	rs1278519	rs1278529	chr1:50890634	0.96	UPSTREAM	NA	NA	8.5
2	1p32.3	rs1278519	rs1278529	chr1:50890634	0.96	REGULATORY	NA	NA	8.5
2	1p32.3	rs1278519	rs1278528	chr1:50890649	0.96	UPSTREAM	NA	NA	3.9
2	1p32.3	rs1278519	rs1278528	chr1:50890649	0.96	REGULATORY	NA	NA	3.9
2	1p32.3	rs1278519	rs1278527	chr1:50890967	0.95	UPSTREAM	NA	NA	6.7
2	1p32.3	rs1278519	rs1278526	chr1:50891213	0.95	UPSTREAM	NA	NA	2.1
2	1p32.3	rs1278519	rs1278526	chr1:50891213	0.95	REGULATORY	NA	NA	2.1
2	1p32.3	rs1278519	rs2653892	chr1:50892199	0.96	UPSTREAM	NA	NA	5.1
2	1p32.3	rs1278519	rs2784145	chr1:50892202	0.96	UPSTREAM	NA	NA	3.5
2	1p32.3	rs1278519	rs1278525	chr1:50892547	0.96	UPSTREAM	NA	NA	4.7
2	1p32.3	rs1278519	rs1278525	chr1:50892547	0.96	REGULATORY	NA	NA	4.7
2	1p32.3	rs1278519	rs1278519	chr1:50897342	NA	INTERGENIC	NA	NA	4.8
2	1p32.3	rs1278519	rs1278515	chr1:50901368	0.98	DOWNSTREAM	NA	NA	0.1
2	1p32.3	rs1278519	rs1278515	chr1:50901368	0.98	DOWNSTREAM	NA	NA	0.1
2	1p32.3	rs1278519	rs4381241	chr1:50907438	0.98	UPSTREAM	NA	NA	2.1

2	1p32.3	rs1278519	rs4381241	chr1:50907438	0.98	INTRONIC	NA	NA	2.1
2	1p32.3	rs1278519	rs4926555	chr1:50933830	0.96	INTRONIC	NA	NA	0.1
2	1p32.3	rs1278519	rs4926555	chr1:50933830	0.96	INTRONIC	NA	NA	0.1
2	1p32.3	rs1278519	rs10788928	chr1:50968097	0.98	UPSTREAM	NA	NA	4.2
2	1p32.3	rs1278519	rs10788928	chr1:50968097	0.98	INTRONIC	NA	NA	4.2
2	1p32.3	rs1278519	rs12130340	chr1:50978927	0.89	INTRONIC	NA	NA	3.0
2	1p32.3	rs1278519	rs12096443	chr1:50984962	0.89	INTRONIC	NA	NA	1.6
2	1p32.3	rs1278519	rs10888692	chr1:50991473	0.89	INTRONIC	NA	NA	5.6
2	1p32.3	rs1278519	rs10888696	chr1:51016603	0.89	INTRONIC	NA	NA	2.6
2	1p32.3	rs1278519	rs3789584	chr1:51029387	0.89	INTRONIC	NA	NA	6.9
2	1p32.3	rs1278519	rs12121301	chr1:51038327	0.89	INTRONIC	NA	NA	3.6
2	1p32.3	rs1278519	rs17383290	chr1:51039300	0.89	INTRONIC	NA	NA	7.2
2	1p32.3	rs1278519	rs9969991	chr1:51058495	0.89	INTRONIC	NA	NA	6.5
2	1p32.3	rs1278519	rs3850873	chr1:51062976	0.89	INTRONIC	NA	NA	1.1
2	1p32.3	rs1278519	rs3850874	chr1:51063131	0.89	INTRONIC	NA	NA	0.9
2	1p32.3	rs1278519	rs12094601	chr1:51075040	0.89	INTRONIC	NA	NA	7.0
2	1p32.3	rs1278519	rs10888700	chr1:51086337	0.89	INTRONIC	NA	NA	0.2
2	1p32.3	rs1278519	rs10888700	chr1:51086337	0.89	REGULATORY	NA	NA	0.2
2	1p32.3	rs1278519	rs11205746	chr1:51093690	0.89	INTRONIC	NA	NA	0.6
2	1p32.3	rs1278519	rs9803853	chr1:51094008	0.89	INTRONIC	NA	NA	1.3
2	1p32.3	rs1278519	rs6658904	chr1:51106975	0.89	INTRONIC	NA	NA	2.6
2	1p32.3	rs1278519	rs11584472	chr1:51114503	0.89	INTRONIC	NA	NA	1.7
2	1p32.3	rs1278519	rs28699363	chr1:51114808	0.89	INTRONIC	NA	NA	3.3

2	1p32.3	rs1278519	rs11205751	chr1:51115173	0.89	INTRONIC	NA	NA	2.7
2	1p32.3	rs1278519	rs7515597	chr1:51159347	0.80	INTRONIC	NA	NA	1.9
2	1p32.3	rs1278519	rs6693790	chr1:51181099	0.80	INTRONIC	NA	NA	1.5
2	1p32.3	rs1278519	rs11205761	chr1:51183257	0.80	INTRONIC	NA	NA	6.1
2	1p32.3	rs1278519	rs6680846	chr1:51188674	0.80	INTRONIC	NA	NA	0.5
2	1p32.3	rs1278519	rs6668519	chr1:51193555	0.80	INTRONIC	NA	NA	8.0
2	1p32.3	rs1278519	rs12085479	chr1:51199116	0.80	INTRONIC	NA	NA	2.5
2	1p32.3	rs1278519	rs10127531	chr1:51199193	0.80	INTRONIC	NA	NA	4.1
2	1p32.3	rs1278519	rs12565379	chr1:51216616	0.80	DOWNSTREAM	NA	NA	2.4
2	1p32.3	rs1278519	rs12565379	chr1:51216616	0.80	INTRONIC	NA	NA	2.4
2	1p32.3	rs1278519	rs11389946 0	chr1:51217065	0.80	DOWNSTREAM	NA	NA	4.6
2	1p32.3	rs1278519	rs11389946 0	chr1:51217065	0.80	INTRONIC	NA	NA	4.6
2	1p32.3	rs1278519	rs28787109	chr1:51218695	0.80	DOWNSTREAM	NA	NA	1.8
2	1p32.3	rs1278519	rs28787109	chr1:51218695	0.80	INTRONIC	NA	NA	1.8
2	1p32.3	rs1278519	rs11205768	chr1:51220127	0.80	DOWNSTREAM	NA	NA	1.8
2	1p32.3	rs1278519	rs11205768	chr1:51220127	0.80	INTRONIC	NA	NA	1.8
2	1p32.3	rs1278519	rs11205769	chr1:51223480	0.80	INTRONIC	NA	NA	1.6
2	1p32.3	rs7530673	rs7530673	chr1:51558856	NA	INTERGENIC	NA	NA	0.2
2	1p32.3	rs7530673	rs6681364	chr1:51562016	1.00	INTERGENIC	NA	NA	4.4
2	1p32.3	rs7530673	rs11804832	chr1:51567215	1.00	UPSTREAM	NA	NA	0.1
2	1p32.3	rs7530673	rs57401684	chr1:51571884	1.00	UPSTREAM	NA	NA	0.4
2	1p32.3	rs7530673	rs57401684	chr1:51571884	1.00	INTRONIC	NA	NA	0.4

2	1p32.3	rs7530673	rs79304933	chr1:51571893	1.00	UPSTREAM	NA	NA	1.1
2	1p32.3	rs7530673	rs79304933	chr1:51571893	1.00	INTRONIC	NA	NA	1.1
2	1p32.3	rs7530673	rs11205817	chr1:51573963	0.92	DOWNSTREAM	NA	NA	2.2
2	1p32.3	rs7530673	rs11205817	chr1:51573963	0.92	INTRONIC	NA	NA	2.2
2	1p32.3	rs7530673	rs12033811	chr1:51574602	1.00	DOWNSTREAM	NA	NA	2.6
2	1p32.3	rs7530673	rs12033811	chr1:51574602	1.00	INTRONIC	NA	NA	2.6
2	1p32.3	rs7530673	rs67343486	chr1:51579620	1.00	INTRONIC	NA	NA	6.5
2	1p32.3	rs7530673	rs17106445	chr1:51655306	1.00	DOWNSTREAM	NA	NA	7.7
2	1p32.3	rs7530673	rs17106445	chr1:51655306	1.00	UPSTREAM	NA	NA	7.7
2	1p32.3	rs7530673	rs17106445	chr1:51655306	1.00	REGULATORY	NA	NA	7.7
2	1p32.3	rs7530673	rs17106447	chr1:51655420	0.92	UPSTREAM	NA	NA	0.5
2	1p32.3	rs7530673	rs17106447	chr1:51655420	0.92	DOWNSTREAM	NA	NA	0.5
2	1p32.3	rs7530673	rs17106447	chr1:51655420	0.92	REGULATORY	NA	NA	0.5
2	1p32.3	rs7530673	rs11327426 1	chr1:51660046	0.92	DOWNSTREAM	NA	NA	0.8
2	1p32.3	rs7530673	rs11327426 1	chr1:51660046	0.92	DOWNSTREAM	NA	NA	0.8
3	2p23.3	rs6546070	rs2015221	chr2:25515210	0.80	INTRONIC	NA	NA	0.5
3	2p23.3	rs6546070	rs749131	chr2:25529624	1.00	INTRONIC	NA	NA	1.8
3	2p23.3	rs6546070	rs749130	chr2:25530028	1.00	INTRONIC	NA	NA	0.1
3	2p23.3	rs6546070	rs749130	chr2:25530028	1.00	REGULATORY	NA	NA	0.1
3	2p23.3	rs6546070	rs934612	chr2:25530687	0.92	INTRONIC	NA	NA	0.9
3	2p23.3	rs6546070	rs12104791	chr2:25531207	1.00	INTRONIC	NA	NA	1.5
3	2p23.3	rs6546070	rs12104791	chr2:25531207	1.00	REGULATORY	NA	NA	1.5

3	2p23.3	rs6546070	rs6546070	chr2:25531779	NA	INTRONIC	NA	NA	5.8
3	2p23.3	rs6546070	rs7596024	chr2:25534999	0.82	INTRONIC	NA	NA	5.4
3	2p23.3	rs6546070	rs1865690	chr2:25540896	0.93	INTRONIC	NA	NA	1.3
3	2p23.3	rs6546070	rs12993688	chr2:25542173	0.89	INTRONIC	NA	NA	0.5
3	2p23.3	rs6546070	rs12987326	chr2:25550995	0.80	DOWNSTREAM	NA	NA	3.0
3	2p23.3	rs6546070	rs12987326	chr2:25550995	0.80	INTRONIC	NA	NA	3.0
3	2p23.3	rs6546070	rs6728111	chr2:25554805	0.84	UPSTREAM	NA	NA	11.7
3	2p23.3	rs6546070	rs6728111	chr2:25554805	0.84	INTRONIC	NA	NA	11.7
4	2p11.2	rs7593335	rs1805165	chr2:88874891	0.97	NONCODING_CHANGE	NA	NA	16.0
4	2p11.2	rs7593335	rs1805165	chr2:88874891	0.97	NON_SYNONYMOUS	benign	tolerated	16.0
4	2p11.2	rs7593335	rs7593335	chr2:88878133	NA	DOWNSTREAM	NA	NA	1.7
4	2p11.2	rs7593335	rs7593335	chr2:88878133	NA	INTRONIC	NA	NA	1.7
4	2p11.2	rs7593335	rs11898161	chr2:88881648	0.97	INTRONIC	NA	NA	4.0
4	2p11.2	rs7593335	rs7571971	chr2:88895351	0.97	INTRONIC	NA	NA	2.0
4	2p11.2	rs7593335	rs11681299	chr2:88901732	1.00	INTRONIC	NA	NA	2.5
4	2p11.2	rs7593335	rs867529	chr2:88913273	0.97	NON_SYNONYMOUS	benign	tolerated	18.3
4	2p11.2	rs7593335	rs11680549	chr2:88926348	0.97	UPSTREAM	NA	NA	6.5
4	2p11.2	rs7593335	rs11680549	chr2:88926348	0.97	INTRONIC	NA	NA	6.5
4	2p11.2	rs7593335	rs11680549	chr2:88926348	0.97	REGULATORY	NA	NA	6.5
4	2p11.2	rs7593335	rs1606803	chr2:88933316	1.00	DOWNSTREAM	NA	NA	0.5
4	2p11.2	rs7593335	rs62157778	chr2:88934090	0.97	DOWNSTREAM	NA	NA	2.9
4	2p11.2	rs7593335	rs13001657	chr2:88946611	0.97	INTERGENIC	NA	NA	0.6
4	2p11.2	rs7593335	rs67110763	chr2:88950916	0.85	INTERGENIC	NA	NA	0.1

4	2p11.2	rs7593335	rs61243513	chr2:88964107	0.85	INTERGENIC	NA	NA	0.9
4	2p11.2	rs7593335	rs13014673	chr2:88989001	0.83	UPSTREAM	NA	NA	0.3
4	2p11.2	rs7593335	rs62157805	chr2:89014728	0.81	INTRONIC	NA	NA	14.2
4	2p11.2	rs7593335	rs335115	chr2:89027647	0.81	INTRONIC	NA	NA	3.9
5	2q35	rs2542212	rs72960342	chr2:217749247	1.00	INTRONIC	NA	NA	1.1
5	2q35	rs2542212	rs11659311 5	chr2:217750082	1.00	INTRONIC	NA	NA	2.0
5	2q35	rs2542212	rs56376845	chr2:217759849	1.00	INTRONIC	NA	NA	6.0
5	2q35	rs2542212	rs67614498	chr2:217761826	1.00	INTRONIC	NA	NA	1.8
5	2q35	rs2542212	rs72656922	chr2:217767151	1.00	INTRONIC	NA	NA	0.2
5	2q35	rs2542212	rs67736064	chr2:217771135	1.00	INTRONIC	NA	NA	1.4
5	2q35	rs2542212	rs13415018	chr2:217771410	1.00	INTRONIC	NA	NA	2.0
5	2q35	rs2542212	rs56189231	chr2:217774673	1.00	INTRONIC	NA	NA	3.5
5	2q35	rs2542212	rs67043264	chr2:217778001	1.00	INTRONIC	NA	NA	3.7
5	2q35	rs2542212	rs67866554	chr2:217780650	1.00	INTRONIC	NA	NA	3.4
5	2q35	rs2542212	rs67419781	chr2:217781569	1.00	INTRONIC	NA	NA	0.9
5	2q35	rs2542212	rs56272121	chr2:217782371	1.00	INTRONIC	NA	NA	3.6
5	2q35	rs2542212	rs7607112	chr2:217786096	1.00	INTRONIC	NA	NA	1.9
5	2q35	rs2542212	rs55772339	chr2:217792908	1.00	INTRONIC	NA	NA	8.6
5	2q35	rs2542212	rs72943864	chr2:217793638	1.00	INTRONIC	NA	NA	3.7
5	2q35	rs2542212	rs55767004	chr2:217795616	1.00	INTRONIC	NA	NA	8.4
5	2q35	rs2542212	rs55790218	chr2:217797568	1.00	INTRONIC	NA	NA	9.5
5	2q35	rs2542212	rs7579388	chr2:217798177	1.00	INTRONIC	NA	NA	4.0

5	2q35	rs2542212	rs72945761	chr2:217798851	1.00	INTRONIC	NA	NA	1.7
5	2q35	rs2542212	rs72945778	chr2:217801102	1.00	INTRONIC	NA	NA	3.2
5	2q35	rs2542212	rs2542212	chr2:217803906	NA	INTRONIC	NA	NA	1.0
5	2q35	rs2542212	rs2705595	chr2:217805883	1.00	INTRONIC	NA	NA	1.3
5	2q35	rs2542212	rs72945791	chr2:217807247	1.00	INTRONIC	NA	NA	5.8
5	2q35	rs2542212	rs72947750	chr2:217838399	1.00	INTRONIC	NA	NA	2.9
5	2q35	rs2542212	rs114794969	chr2:217839367	1.00	INTRONIC	NA	NA	3.4
5	2q35	rs2542212	rs7605968	chr2:217843682	1.00	INTRONIC	NA	NA	2.0
5	2q35	rs2542212	rs7606095	chr2:217843792	1.00	INTRONIC	NA	NA	6.0
5	2q35	rs2542212	rs7587582	chr2:217846315	1.00	INTRONIC	NA	NA	8.9
5	2q35	rs2542212	rs7575370	chr2:217846389	1.00	INTRONIC	NA	NA	0.5
5	2q35	rs2542212	rs111520262	chr2:217850809	1.00	INTRONIC	NA	NA	3.7
5	2q35	rs2542212	rs58340270	chr2:217851440	1.00	INTRONIC	NA	NA	1.6
5	2q35	rs2542212	rs78038594	chr2:217854158	1.00	INTRONIC	NA	NA	0.1
5	2q35	rs2542212	rs78038594	chr2:217854158	1.00	REGULATORY	NA	NA	0.1
6	2q36.1	rs75779789	rs111745190	chr2:223046616	0.92	INTERGENIC	NA	NA	1.0
6	2q36.1	rs75779789	rs75779789	chr2:223057209	NA	INTERGENIC	NA	NA	2.7
6	2q36.1	rs75779789	rs112360424	chr2:223059445	1.00	INTERGENIC	NA	NA	2.1
6	2q36.1	rs75779789	rs45624038	chr2:223062952	1.00	DOWNSTREAM	NA	NA	2.5
6	2q36.1	rs75779789	rs75239294	chr2:223101728	1.00	INTRONIC	NA	NA	4.1

6	2q36.1	rs75779789	rs16863547	chr2:223102579	1.00	INTRONIC	NA	NA	1.1
7	3p21.31	rs7640903	rs7374375	chr3:49324455	1.00	INTRONIC	NA	NA	0.1
7	3p21.31	rs7640903	rs12493284	chr3:49324782	1.00	INTRONIC	NA	NA	0.4
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	INTRONIC	NA	NA	1.0
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	REGULATORY	NA	NA	1.0
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	INTRONIC	NA	NA	4.3
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	REGULATORY	NA	NA	4.3
7	3p21.31	rs7640903	rs11720964	chr3:49336232	0.93	INTRONIC	NA	NA	3.3
7	3p21.31	rs7640903	rs11720964	chr3:49336232	0.93	REGULATORY	NA	NA	3.3
7	3p21.31	rs7640903	rs4554002	chr3:49337120	1.00	INTRONIC	NA	NA	1.6
7	3p21.31	rs7640903	rs7640903	chr3:49338465	NA	INTRONIC	NA	NA	1.9
7	3p21.31	rs7640903	rs11709788	chr3:49349444	1.00	INTRONIC	NA	NA	2.9
7	3p21.31	rs7640903	rs11920251	chr3:49356671	1.00	INTRONIC	NA	NA	4.1
7	3p21.31	rs7640903	rs1865741	chr3:49362892	1.00	INTRONIC	NA	NA	11.7
7	3p21.31	rs7640903	rs34142492	chr3:49363759	1.00	INTRONIC	NA	NA	1.3
7	3p21.31	rs7640903	rs12497569	chr3:49364830	1.00	INTRONIC	NA	NA	0.2
7	3p21.31	rs7640903	rs6795772	chr3:49365269	1.00	INTRONIC	NA	NA	5.2
7	3p21.31	rs7640903	rs6795772	chr3:49365269	1.00	REGULATORY	NA	NA	5.2
7	3p21.31	rs7640903	rs4955431	chr3:49368521	1.00	INTRONIC	NA	NA	0.7
8	4p16.2	rs10033073	rs6446685	chr4:4766265	0.98	INTERGENIC	NA	NA	12.7
8	4p16.2	rs10033073	rs34394950	chr4:4766534	0.98	INTERGENIC	NA	NA	12.6
8	4p16.2	rs10033073	rs6830371	chr4:4767695	0.98	INTERGENIC	NA	NA	0.6
8	4p16.2	rs10033073	rs3856972	chr4:4768913	0.98	INTERGENIC	NA	NA	0.5

8	4p16.2	rs10033073	rs6845654	chr4:4770427	1.00	INTERGENIC	NA	NA	2.2
8	4p16.2	rs10033073	rs35712660	chr4:4771861	1.00	INTERGENIC	NA	NA	2.8
8	4p16.2	rs10033073	rs59910907	chr4:4772188	1.00	INTERGENIC	NA	NA	4.9
8	4p16.2	rs10033073	rs77021188	chr4:4772251	1.00	INTERGENIC	NA	NA	5.2
8	4p16.2	rs10033073	rs67239138	chr4:4772530	1.00	INTERGENIC	NA	NA	0.5
8	4p16.2	rs10033073	rs55985553	chr4:4773037	1.00	INTERGENIC	NA	NA	6.7
8	4p16.2	rs10033073	rs7375216	chr4:4773480	1.00	INTERGENIC	NA	NA	11.2
8	4p16.2	rs10033073	rs10033073	chr4:4775401	NA	INTERGENIC	NA	NA	10.3
8	4p16.2	rs10033073	rs6817807	chr4:4776519	0.82	INTERGENIC	NA	NA	0.1
8	4p16.2	rs10033073	rs6831656	chr4:4776617	0.82	INTERGENIC	NA	NA	2.1
8	4p16.2	rs10033073	rs6823820	chr4:4777780	0.87	INTERGENIC	NA	NA	2.2
9	4q22.1	rs4148155	rs1481012	chr4:89039082	1.00	INTRONIC	NA	NA	3.3
9	4q22.1	rs4148155	rs45499402	chr4:89043634	1.00	INTRONIC	NA	NA	0.1
9	4q22.1	rs4148155	rs45499402	chr4:89043634	1.00	REGULATORY	NA	NA	0.1
9	4q22.1	rs4148155	rs14902754 5	chr4:89044180	1.00	INTRONIC	NA	NA	1.0
9	4q22.1	rs4148155	rs13840937 0	chr4:89044312	1.00	INTRONIC	NA	NA	0.4
9	4q22.1	rs4148155	rs75544042	chr4:89045331	1.00	INTRONIC	NA	NA	0.7
9	4q22.1	rs4148155	rs14147196 5	chr4:89046202	1.00	INTRONIC	NA	NA	0.2
9	4q22.1	rs4148155	rs74904971	chr4:89050026	1.00	INTRONIC	NA	NA	2.7
9	4q22.1	rs4148155	rs4148155	chr4:89054667	NA	INTRONIC	NA	NA	0.2
10	4q24	rs13135092	rs35225200	chr4:103146888	0.96	INTERGENIC	NA	NA	1.3

10	4q24	rs13135092	rs35518360	chr4:103146890	0.96	INTERGENIC	NA	NA	0.1
10	4q24	rs13135092	rs13107325	chr4:103188709	0.95	NON_SYNONYMOUS	possibly_d amaging	deleterious	34.0
10	4q24	rs13135092	rs13135092	chr4:103198082	NA	INTRONIC	NA	NA	10.3
11	4q31.21	rs6812830	rs2131354	chr4:145599908	0.80	INTRONIC	NA	NA	2.3
11	4q31.21	rs6812830	rs6537307	chr4:145601863	0.91	INTRONIC	NA	NA	0.8
11	4q31.21	rs6812830	rs7665268	chr4:145602827	0.93	INTRONIC	NA	NA	0.8
11	4q31.21	rs6812830	rs6537308	chr4:145604853	0.87	INTRONIC	NA	NA	8.0
11	4q31.21	rs6812830	rs6819412	chr4:145605033	0.93	INTRONIC	NA	NA	3.7
11	4q31.21	rs6812830	rs6537309	chr4:145605075	0.87	INTRONIC	NA	NA	3.4
11	4q31.21	rs6812830	rs6819982	chr4:145605273	0.87	INTRONIC	NA	NA	0.5
11	4q31.21	rs6812830	rs6819982	chr4:145605273	0.87	REGULATORY	NA	NA	0.5
11	4q31.21	rs6812830	rs13106160	chr4:145606021	0.87	INTRONIC	NA	NA	2.8
11	4q31.21	rs6812830	rs7699480	chr4:145607846	0.87	INTRONIC	NA	NA	1.8
11	4q31.21	rs6812830	rs7698158	chr4:145607902	0.87	INTRONIC	NA	NA	4.0
11	4q31.21	rs6812830	rs12507436	chr4:145612551	0.98	INTRONIC	NA	NA	2.1
11	4q31.21	rs6812830	rs13146352	chr4:145613551	0.95	INTRONIC	NA	NA	5.4
11	4q31.21	rs6812830	rs6812830	chr4:145613807	NA	INTRONIC	NA	NA	3.5
11	4q31.21	rs6812830	rs13131837	chr4:145614984	0.95	INTRONIC	NA	NA	1.1
11	4q31.21	rs6812830	rs7439494	chr4:145617748	0.89	INTRONIC	NA	NA	2.5
11	4q31.21	rs6812830	rs1907867	chr4:145617946	0.89	INTRONIC	NA	NA	4.5
11	4q31.21	rs6812830	rs17721701	chr4:145618719	0.89	INTRONIC	NA	NA	3.9
11	4q31.21	rs6812830	rs1492819	chr4:145619413	1.00	INTRONIC	NA	NA	2.8

11	4q31.21	rs6812830	rs34958276	chr4:145620554	0.89	INTRONIC	NA	NA	6.2
11	4q31.21	rs6812830	rs34958276	chr4:145620554	0.89	REGULATORY	NA	NA	6.2
11	4q31.21	rs6812830	rs12502033	chr4:145622651	0.89	INTRONIC	NA	NA	1.7
11	4q31.21	rs6812830	rs6838704	chr4:145623107	0.89	INTRONIC	NA	NA	2.3
11	4q31.21	rs6812830	rs6822018	chr4:145623161	0.89	INTRONIC	NA	NA	1.9
11	4q31.21	rs6812830	rs6812389	chr4:145626096	0.87	INTRONIC	NA	NA	5.1
11	4q31.21	rs6812830	rs1907866	chr4:145637075	0.84	INTRONIC	NA	NA	1.4
11	4q31.21	rs6812830	rs1389029	chr4:145638178	0.87	INTRONIC	NA	NA	4.8
11	4q31.21	rs6812830	rs1389029	chr4:145638178	0.87	REGULATORY	NA	NA	4.8
11	4q31.21	rs6812830	rs2087826	chr4:145639318	0.87	INTRONIC	NA	NA	8.2
11	4q31.21	rs6812830	rs1492820	chr4:145650021	0.85	INTRONIC	NA	NA	3.7
11	4q31.21	rs6812830	rs6827641	chr4:145653694	0.85	INTRONIC	NA	NA	0.7
11	4q31.21	rs6812830	rs7692915	chr4:145654497	0.84	INTRONIC	NA	NA	1.6
11	4q31.21	rs6812830	rs6826012	chr4:145658286	0.84	INTRONIC	NA	NA	5.1
12	5q14.2	rs55803832	rs6883680	chr5:81909354	0.92	INTERGENIC	NA	NA	2.6
12	5q14.2	rs55803832	rs60554528	chr5:81910021	0.92	INTERGENIC	NA	NA	2.0
12	5q14.2	rs55803832	rs60554528	chr5:81910021	0.92	REGULATORY	NA	NA	2.0
12	5q14.2	rs55803832	rs10474055	chr5:81910293	0.92	INTERGENIC	NA	NA	3.9
12	5q14.2	rs55803832	rs2385949	chr5:81910753	0.92	INTERGENIC	NA	NA	4.6
12	5q14.2	rs55803832	rs2385949	chr5:81910753	0.92	REGULATORY	NA	NA	4.6
12	5q14.2	rs55803832	rs4367281	chr5:81911138	0.92	INTERGENIC	NA	NA	2.5
12	5q14.2	rs55803832	rs55989030	chr5:81911273	0.95	INTERGENIC	NA	NA	2.9
12	5q14.2	rs55803832	rs7448786	chr5:81911391	0.92	INTERGENIC	NA	NA	3.0

12	5q14.2	rs55803832	rs2385959	chr5:81911743	0.92	INTERGENIC	NA	NA	0.8
12	5q14.2	rs55803832	rs10065716	chr5:81912035	0.95	INTERGENIC	NA	NA	0.8
12	5q14.2	rs55803832	rs9686384	chr5:81914579	0.95	INTERGENIC	NA	NA	1.8
12	5q14.2	rs55803832	rs6894349	chr5:81914837	0.95	INTERGENIC	NA	NA	8.1
12	5q14.2	rs55803832	rs6870327	chr5:81919447	0.95	INTERGENIC	NA	NA	0.8
12	5q14.2	rs55803832	rs6876647	chr5:81920484	0.95	INTERGENIC	NA	NA	3.1
12	5q14.2	rs55803832	rs55803832	chr5:81920587	NA	INTERGENIC	NA	NA	2.5
13	5q22.2	rs3846716	rs6893949	chr5:111988946	0.83	INTERGENIC	NA	NA	6.8
13	5q22.2	rs3846716	rs11749632	chr5:112006815	0.87	INTERGENIC	NA	NA	8.6
13	5q22.2	rs3846716	rs11241178	chr5:112008466	0.87	INTERGENIC	NA	NA	0.5
13	5q22.2	rs3846716	rs35935095	chr5:112008928	0.87	INTERGENIC	NA	NA	0.9
13	5q22.2	rs3846716	rs62363971	chr5:112009271	0.87	INTERGENIC	NA	NA	4.2
13	5q22.2	rs3846716	rs14645929 3	chr5:112010749	0.89	INTERGENIC	NA	NA	1.3
13	5q22.2	rs3846716	rs971517	chr5:112022255	0.87	INTERGENIC	NA	NA	1.1
13	5q22.2	rs3846716	rs4705815	chr5:112024075	0.87	INTERGENIC	NA	NA	5.9
13	5q22.2	rs3846716	rs4705816	chr5:112024150	0.87	INTERGENIC	NA	NA	0.4
13	5q22.2	rs3846716	rs12719151	chr5:112026480	0.87	INTERGENIC	NA	NA	2.9
13	5q22.2	rs3846716	rs1530256	chr5:112029106	0.82	INTERGENIC	NA	NA	15.3
13	5q22.2	rs3846716	rs953916	chr5:112029376	0.85	INTERGENIC	NA	NA	0.1
13	5q22.2	rs3846716	rs2900066	chr5:112034353	0.88	INTERGENIC	NA	NA	0.6
13	5q22.2	rs3846716	rs6594643	chr5:112034550	0.88	INTERGENIC	NA	NA	0.8
13	5q22.2	rs3846716	rs6594644	chr5:112034596	0.88	INTERGENIC	NA	NA	4.6

13	5q22.2	rs3846716	rs12513787	chr5:112038837	0.81	UPSTREAM	NA	NA	1.8
13	5q22.2	rs3846716	rs12513804	chr5:112038904	0.91	UPSTREAM	NA	NA	0.1
13	5q22.2	rs3846716	rs10213844	chr5:112041171	0.81	UPSTREAM	NA	NA	4.7
13	5q22.2	rs3846716	rs6862050	chr5:112041841	0.81	UPSTREAM	NA	NA	2.1
13	5q22.2	rs3846716	rs6894351	chr5:112045132	0.94	INTRONIC	NA	NA	6.7
13	5q22.2	rs3846716	rs6894351	chr5:112045132	0.94	REGULATORY	NA	NA	6.7
13	5q22.2	rs3846716	rs1465910	chr5:112045831	0.94	INTRONIC	NA	NA	1.9
13	5q22.2	rs3846716	rs4705559	chr5:112050122	0.80	INTRONIC	NA	NA	12.6
13	5q22.2	rs3846716	rs7704618	chr5:112050465	0.80	INTRONIC	NA	NA	5.0
13	5q22.2	rs3846716	rs6864688	chr5:112054086	0.87	INTRONIC	NA	NA	11.4
13	5q22.2	rs3846716	rs9326862	chr5:112054547	0.89	INTRONIC	NA	NA	2.8
13	5q22.2	rs3846716	rs9326863	chr5:112056360	0.87	INTRONIC	NA	NA	9.0
13	5q22.2	rs3846716	rs10076641	chr5:112057100	0.94	INTRONIC	NA	NA	2.2
13	5q22.2	rs3846716	rs11241182	chr5:112057425	0.93	INTRONIC	NA	NA	6.4
13	5q22.2	rs3846716	rs6898133	chr5:112058410	1.00	INTRONIC	NA	NA	0.4
13	5q22.2	rs3846716	rs3846716	chr5:112059594	NA	INTRONIC	NA	NA	2.4
13	5q22.2	rs3846716	rs10075281	chr5:112060242	0.86	INTRONIC	NA	NA	4.4
13	5q22.2	rs3846716	rs10075323	chr5:112060294	0.86	INTRONIC	NA	NA	0.5
13	5q22.2	rs3846716	rs10075377	chr5:112060421	0.86	INTRONIC	NA	NA	0.3
13	5q22.2	rs3846716	rs4705573	chr5:112060624	0.86	INTRONIC	NA	NA	3.5
13	5q22.2	rs3846716	rs11749701	chr5:112061448	0.80	INTRONIC	NA	NA	1.6
13	5q22.2	rs3846716	rs861674	chr5:112064475	0.94	INTRONIC	NA	NA	1.1
13	5q22.2	rs3846716	rs2019720	chr5:112074269	0.82	INTRONIC	NA	NA	11.5

13	5q22.2	rs3846716	rs2019720	chr5:112074269	0.82	REGULATORY	NA	NA	11.5
13	5q22.2	rs3846716	rs2020383	chr5:112074356	0.93	INTRONIC	NA	NA	1.2
13	5q22.2	rs3846716	rs1974786	chr5:112074722	0.82	INTRONIC	NA	NA	1.6
13	5q22.2	rs3846716	rs4705608	chr5:112077447	0.82	INTRONIC	NA	NA	7.7
13	5q22.2	rs3846716	rs12518091	chr5:112086165	0.82	INTRONIC	NA	NA	4.3
13	5q22.2	rs3846716	rs11954856	chr5:112087327	0.94	INTRONIC	NA	NA	3.7
13	5q22.2	rs3846716	rs4099181	chr5:112091704	0.94	INTRONIC	NA	NA	1.4
13	5q22.2	rs3846716	rs4705486	chr5:112092402	0.80	INTRONIC	NA	NA	4.4
13	5q22.2	rs3846716	rs10073398	chr5:112094404	0.94	INTRONIC	NA	NA	0.3
13	5q22.2	rs3846716	rs6879057	chr5:112095140	0.80	INTRONIC	NA	NA	0.2
13	5q22.2	rs3846716	rs4705624	chr5:112095775	0.82	INTRONIC	NA	NA	16.4
13	5q22.2	rs3846716	rs2901844	chr5:112096626	0.82	INTRONIC	NA	NA	2.4
13	5q22.2	rs3846716	rs28578275	chr5:112097234	0.82	INTRONIC	NA	NA	12.0
13	5q22.2	rs3846716	rs11241184	chr5:112097757	0.89	INTRONIC	NA	NA	12.8
13	5q22.2	rs3846716	rs11241184	chr5:112097757	0.89	REGULATORY	NA	NA	12.8
13	5q22.2	rs3846716	rs9647582	chr5:112098938	0.82	INTRONIC	NA	NA	4.1
13	5q22.2	rs3846716	rs9647583	chr5:112099028	0.82	INTRONIC	NA	NA	3.1
13	5q22.2	rs3846716	rs6867243	chr5:112100027	0.93	INTRONIC	NA	NA	2.7
13	5q22.2	rs3846716	rs12659119	chr5:112101457	0.94	INTRONIC	NA	NA	0.3
13	5q22.2	rs3846716	rs2431239	chr5:112103680	0.80	INTRONIC	NA	NA	2.3
13	5q22.2	rs3846716	rs2546117	chr5:112103963	0.80	INTRONIC	NA	NA	0.0
13	5q22.2	rs3846716	rs35414976	chr5:112104297	0.80	INTRONIC	NA	NA	0.7
13	5q22.2	rs3846716	rs11241185	chr5:112107058	0.80	INTRONIC	NA	NA	6.0

13	5q22.2	rs3846716	rs2439589	chr5:112107726	0.80	INTRONIC	NA	NA	12.6
13	5q22.2	rs3846716	rs2707763	chr5:112108865	0.89	DOWNSTREAM	NA	NA	7.2
13	5q22.2	rs3846716	rs2707763	chr5:112108865	0.89	INTRONIC	NA	NA	7.2
13	5q22.2	rs3846716	rs1816769	chr5:112109779	0.93	UPSTREAM	NA	NA	0.1
13	5q22.2	rs3846716	rs1816769	chr5:112109779	0.93	DOWNSTREAM	NA	NA	0.1
13	5q22.2	rs3846716	rs1816769	chr5:112109779	0.93	INTRONIC	NA	NA	0.1
13	5q22.2	rs3846716	rs458906	chr5:112111866	0.80	UPSTREAM	NA	NA	0.3
13	5q22.2	rs3846716	rs458906	chr5:112111866	0.80	DOWNSTREAM	NA	NA	0.3
13	5q22.2	rs3846716	rs458906	chr5:112111866	0.80	INTRONIC	NA	NA	0.3
13	5q22.2	rs3846716	rs458906	chr5:112111866	0.80	REGULATORY	NA	NA	0.3
13	5q22.2	rs3846716	rs396321	chr5:112113735	0.87	UPSTREAM	NA	NA	7.8
13	5q22.2	rs3846716	rs396321	chr5:112113735	0.87	INTRONIC	NA	NA	7.8
13	5q22.2	rs3846716	rs396321	chr5:112113735	0.87	NONCODING_CHANGE	NA	NA	7.8
13	5q22.2	rs3846716	rs414098	chr5:112113772	0.80	UPSTREAM	NA	NA	1.4
13	5q22.2	rs3846716	rs414098	chr5:112113772	0.80	INTRONIC	NA	NA	1.4
13	5q22.2	rs3846716	rs414098	chr5:112113772	0.80	NONCODING_CHANGE	NA	NA	1.4
13	5q22.2	rs3846716	rs62364017	chr5:112116024	0.91	DOWNSTREAM	NA	NA	5.3
13	5q22.2	rs3846716	rs62364017	chr5:112116024	0.91	UPSTREAM	NA	NA	5.3
13	5q22.2	rs3846716	rs62364017	chr5:112116024	0.91	INTRONIC	NA	NA	5.3
13	5q22.2	rs3846716	rs35130225	chr5:112116069	0.93	UPSTREAM	NA	NA	3.8
13	5q22.2	rs3846716	rs35130225	chr5:112116069	0.93	DOWNSTREAM	NA	NA	3.8
13	5q22.2	rs3846716	rs35130225	chr5:112116069	0.93	INTRONIC	NA	NA	3.8
13	5q22.2	rs3846716	rs2289484	chr5:112116773	0.89	DOWNSTREAM	NA	NA	0.6

13	5q22.2	rs3846716	rs2289484	chr5:112116773	0.89	UPSTREAM	NA	NA	0.6
13	5q22.2	rs3846716	rs2289484	chr5:112116773	0.89	INTRONIC	NA	NA	0.6
13	5q22.2	rs3846716	rs2431242	chr5:112118195	0.94	DOWNSTREAM	NA	NA	1.5
13	5q22.2	rs3846716	rs2431242	chr5:112118195	0.94	UPSTREAM	NA	NA	1.5
13	5q22.2	rs3846716	rs2431242	chr5:112118195	0.94	INTRONIC	NA	NA	1.5
13	5q22.2	rs3846716	rs2431512	chr5:112118956	0.80	DOWNSTREAM	NA	NA	0.4
13	5q22.2	rs3846716	rs2431512	chr5:112118956	0.80	INTRONIC	NA	NA	0.4
13	5q22.2	rs3846716	rs518013	chr5:112135090	0.82	INTRONIC	NA	NA	9.7
13	5q22.2	rs3846716	rs2251913	chr5:112135737	0.82	INTRONIC	NA	NA	2.4
13	5q22.2	rs3846716	rs511906	chr5:112136204	0.82	INTRONIC	NA	NA	1.3
13	5q22.2	rs3846716	rs2545158	chr5:112139745	0.82	INTRONIC	NA	NA	13.0
13	5q22.2	rs3846716	rs2431241	chr5:112144023	0.82	INTRONIC	NA	NA	0.9
13	5q22.2	rs3846716	rs390092	chr5:112146197	0.82	INTRONIC	NA	NA	1.7
13	5q22.2	rs3846716	rs12656359	chr5:112151551	0.92	INTRONIC	NA	NA	5.0
13	5q22.2	rs3846716	rs2431240	chr5:112152649	0.92	INTRONIC	NA	NA	1.8
13	5q22.2	rs3846716	rs544243	chr5:112167130	0.87	INTRONIC	NA	NA	0.7
13	5q22.2	rs3846716	rs544243	chr5:112167130	0.87	INTRONIC	NA	NA	0.7
13	5q22.2	rs3846716	rs569940	chr5:112167821	0.92	INTRONIC	NA	NA	6.5
13	5q22.2	rs3846716	rs569940	chr5:112167821	0.92	INTRONIC	NA	NA	6.5
13	5q22.2	rs3846716	rs2909958	chr5:112167941	0.92	INTRONIC	NA	NA	1.3
13	5q22.2	rs3846716	rs2909958	chr5:112167941	0.92	INTRONIC	NA	NA	1.3
13	5q22.2	rs3846716	rs2909786	chr5:112168065	0.91	INTRONIC	NA	NA	1.8
13	5q22.2	rs3846716	rs2909786	chr5:112168065	0.91	INTRONIC	NA	NA	1.8

13	5q22.2	rs3846716	rs2909787	chr5:112168130	0.92	INTRONIC	NA	NA	0.2
13	5q22.2	rs3846716	rs2909787	chr5:112168130	0.92	INTRONIC	NA	NA	0.2
13	5q22.2	rs3846716	rs383256	chr5:112169136	0.92	INTRONIC	NA	NA	1.6
13	5q22.2	rs3846716	rs383256	chr5:112169136	0.92	INTRONIC	NA	NA	1.6
14	5q33.3	rs7380908	rs66666124	chr5:158392702	1.00	INTRONIC	NA	NA	15.1
14	5q33.3	rs7380908	rs6556377	chr5:158393580	1.00	INTRONIC	NA	NA	11.4
14	5q33.3	rs7380908	rs13180086	chr5:158394342	1.00	INTRONIC	NA	NA	2.7
14	5q33.3	rs7380908	rs7380908	chr5:158396062	NA	INTRONIC	NA	NA	0.0
14	5q33.3	rs7380908	rs6556383	chr5:158408940	1.00	UPSTREAM	NA	NA	3.2
14	5q33.3	rs7380908	rs6556383	chr5:158408940	1.00	UPSTREAM	NA	NA	3.2
14	5q33.3	rs7380908	rs6556383	chr5:158408940	1.00	INTRONIC	NA	NA	3.2
14	5q33.3	rs7380908	rs66676945	chr5:158409505	1.00	UPSTREAM	NA	NA	6.5
14	5q33.3	rs7380908	rs66676945	chr5:158409505	1.00	UPSTREAM	NA	NA	6.5
14	5q33.3	rs7380908	rs66676945	chr5:158409505	1.00	INTRONIC	NA	NA	6.5
14	5q33.3	rs7380908	rs1544754	chr5:158414305	1.00	DOWNSTREAM	NA	NA	13.5
14	5q33.3	rs7380908	rs1544754	chr5:158414305	1.00	DOWNSTREAM	NA	NA	13.5
14	5q33.3	rs7380908	rs1544754	chr5:158414305	1.00	INTRONIC	NA	NA	13.5
14	5q33.3	rs7380908	rs12515233	chr5:158417109	0.96	DOWNSTREAM	NA	NA	2.7
14	5q33.3	rs7380908	rs12515233	chr5:158417109	0.96	INTRONIC	NA	NA	2.7
14	5q33.3	rs7380908	rs6556384	chr5:158418952	1.00	DOWNSTREAM	NA	NA	0.1
14	5q33.3	rs7380908	rs6556384	chr5:158418952	1.00	INTRONIC	NA	NA	0.1
14	5q33.3	rs7380908	rs72813911	chr5:158429424	0.89	INTRONIC	NA	NA	14.8
14	5q33.3	rs7380908	rs72813911	chr5:158429424	0.89	REGULATORY	NA	NA	14.8

14	5q33.3	rs7380908	rs12515980	chr5:158444480	0.93	INTRONIC	NA	NA	0.7
15	6p22.3	rs9393227	rs4711000	chr6:22099484	0.98	INTRONIC	NA	NA	18.7
15	6p22.3	rs9393227	rs1207775	chr6:22100075	1.00	INTRONIC	NA	NA	3.1
15	6p22.3	rs9393227	rs9393227	chr6:22100912	NA	INTRONIC	NA	NA	3.7
15	6p22.3	rs9393227	rs2328667	chr6:22104421	0.90	INTRONIC	NA	NA	2.4
15	6p22.3	rs9393227	rs1980435	chr6:22106049	0.92	INTRONIC	NA	NA	6.5
15	6p22.3	rs9393227	rs1980434	chr6:22106050	0.92	INTRONIC	NA	NA	8.4
15	6p22.3	rs9393227	rs6456469	chr6:22107290	0.88	INTRONIC	NA	NA	4.1
16	6p22.2	rs1800562	rs11600987 7	chr6:25715657	1.00	INTERGENIC	NA	NA	11.2
16	6p22.2	rs1800562	rs1408272	chr6:25842951	0.91	DOWNSTREAM	NA	NA	0.4
16	6p22.2	rs1800562	rs1408272	chr6:25842951	0.91	REGULATORY	NA	NA	0.4
16	6p22.2	rs1800562	rs79920061	chr6:25857920	0.91	INTRONIC	NA	NA	1.4
16	6p22.2	rs1800562	rs55925606	chr6:25878848	1.00	DOWNSTREAM	NA	NA	3.4
16	6p22.2	rs1800562	rs55925606	chr6:25878848	1.00	UPSTREAM	NA	NA	3.4
16	6p22.2	rs1800562	rs80215559	chr6:25918225	1.00	INTRONIC	NA	NA	1.7
16	6p22.2	rs1800562	rs14486159 1	chr6:26072992	1.00	INTERGENIC	NA	NA	2.0
16	6p22.2	rs1800562	rs1800562	chr6:26093141	NA	NON_SYNONYMOUS	probably_d amaging	deleterious	25.7
16	6p22.2	rs1800562	rs79220007	chr6:26098474	1.00	3PRIME_UTR	NA	NA	3.7
16	6p22.2	rs1800562	rs11574054 2	chr6:26123502	1.00	UPSTREAM	NA	NA	15.3

16	6p22.2	rs1800562	rs11574054 2	chr6:26123502	1.00	INTRONIC	NA	NA	15.3
16	6p22.2	rs1800562	rs11574054 2	chr6:26123502	1.00	REGULATORY	NA	NA	15.3
17	6q16.2	rs546897	rs330835	chr6:100051236	0.90	UPSTREAM	NA	NA	1.9
17	6q16.2	rs546897	rs330835	chr6:100051236	0.90	REGULATORY	NA	NA	1.9
17	6q16.2	rs546897	rs330837	chr6:100052699	0.90	UPSTREAM	NA	NA	15.0
17	6q16.2	rs546897	rs330842	chr6:100058932	0.90	INTRONIC	NA	NA	6.8
17	6q16.2	rs546897	rs330842	chr6:100058932	0.90	REGULATORY	NA	NA	6.8
17	6q16.2	rs546897	rs330844	chr6:100063243	0.90	DOWNSTREAM	NA	NA	16.9
17	6q16.2	rs546897	rs330846	chr6:100064031	0.90	DOWNSTREAM	NA	NA	3.7
17	6q16.2	rs546897	rs688444	chr6:100069974	0.90	INTERGENIC	NA	NA	0.3
17	6q16.2	rs546897	rs857615	chr6:100074908	0.86	INTERGENIC	NA	NA	0.7
17	6q16.2	rs546897	rs499540	chr6:100078332	0.90	INTERGENIC	NA	NA	3.4
17	6q16.2	rs546897	rs643235	chr6:100079031	0.90	INTERGENIC	NA	NA	1.3
17	6q16.2	rs546897	rs658666	chr6:100080204	0.90	INTERGENIC	NA	NA	2.9
17	6q16.2	rs546897	rs491397	chr6:100082085	0.90	INTERGENIC	NA	NA	3.8
17	6q16.2	rs546897	rs689120	chr6:100082384	0.90	INTERGENIC	NA	NA	1.9
17	6q16.2	rs546897	rs597009	chr6:100083583	0.90	INTERGENIC	NA	NA	0.4
17	6q16.2	rs546897	rs567024	chr6:100084985	0.90	INTERGENIC	NA	NA	1.6
17	6q16.2	rs546897	rs508311	chr6:100085378	0.90	DOWNSTREAM	NA	NA	0.1
17	6q16.2	rs546897	rs534962	chr6:100086200	0.90	DOWNSTREAM	NA	NA	6.7
17	6q16.2	rs546897	rs656608	chr6:100086261	0.90	DOWNSTREAM	NA	NA	2.8
17	6q16.2	rs546897	rs498743	chr6:100087866	0.90	DOWNSTREAM	NA	NA	4.3

17	6q16.2	rs546897	rs550848	chr6:100088268	0.90	DOWNSTREAM	NA	NA	16.1
17	6q16.2	rs546897	rs623303	chr6:100091403	0.90	UPSTREAM	NA	NA	0.1
17	6q16.2	rs546897	rs649966	chr6:100092792	0.90	UPSTREAM	NA	NA	0.4
17	6q16.2	rs546897	rs693233	chr6:100093560	0.90	UPSTREAM	NA	NA	5.3
17	6q16.2	rs546897	rs532213	chr6:100095294	0.90	INTERGENIC	NA	NA	3.2
17	6q16.2	rs546897	rs543274	chr6:100099825	0.90	INTERGENIC	NA	NA	1.2
17	6q16.2	rs546897	rs662554	chr6:100100028	0.90	INTERGENIC	NA	NA	8.6
17	6q16.2	rs546897	rs506683	chr6:100101549	0.90	INTERGENIC	NA	NA	1.3
17	6q16.2	rs546897	rs506521	chr6:100101609	0.90	INTERGENIC	NA	NA	0.1
17	6q16.2	rs546897	rs484413	chr6:100101666	0.90	INTERGENIC	NA	NA	0.2
17	6q16.2	rs546897	rs857626	chr6:100101872	0.90	INTERGENIC	NA	NA	0.1
17	6q16.2	rs546897	rs499487	chr6:100104578	0.90	INTERGENIC	NA	NA	0.6
17	6q16.2	rs546897	rs551185	chr6:100106323	0.90	INTERGENIC	NA	NA	7.0
17	6q16.2	rs546897	rs551119	chr6:100106362	0.90	INTERGENIC	NA	NA	0.2
17	6q16.2	rs546897	rs676023	chr6:100107341	0.90	INTERGENIC	NA	NA	0.9
17	6q16.2	rs546897	rs676917	chr6:100107514	0.90	INTERGENIC	NA	NA	3.8
17	6q16.2	rs546897	rs689158	chr6:100107951	0.90	INTERGENIC	NA	NA	3.9
17	6q16.2	rs546897	rs857628	chr6:100109291	0.90	INTERGENIC	NA	NA	1.0
17	6q16.2	rs546897	rs598909	chr6:100109592	0.90	INTERGENIC	NA	NA	0.8
17	6q16.2	rs546897	rs614414	chr6:100110728	0.90	INTERGENIC	NA	NA	1.6
17	6q16.2	rs546897	rs628428	chr6:100111594	0.90	INTERGENIC	NA	NA	0.8
17	6q16.2	rs546897	rs563906	chr6:100111975	0.90	INTERGENIC	NA	NA	8.1
17	6q16.2	rs546897	rs657862	chr6:100113539	0.90	INTERGENIC	NA	NA	15.2

17	6q16.2	rs546897	rs687039	chr6:100114091	0.90	INTERGENIC	NA	NA	2.7
17	6q16.2	rs546897	rs594277	chr6:100115117	0.95	INTERGENIC	NA	NA	7.6
17	6q16.2	rs546897	rs609669	chr6:100116299	1.00	INTERGENIC	NA	NA	19.9
17	6q16.2	rs546897	rs491178	chr6:100116745	1.00	INTERGENIC	NA	NA	2.7
17	6q16.2	rs546897	rs857631	chr6:100117343	1.00	INTERGENIC	NA	NA	1.4
17	6q16.2	rs546897	rs564733	chr6:100118449	1.00	INTERGENIC	NA	NA	2.3
17	6q16.2	rs546897	rs562753	chr6:100118912	1.00	INTERGENIC	NA	NA	1.2
17	6q16.2	rs546897	rs478318	chr6:100120980	1.00	INTERGENIC	NA	NA	1.8
17	6q16.2	rs546897	rs684910	chr6:100121537	1.00	INTERGENIC	NA	NA	0.1
17	6q16.2	rs546897	rs575965	chr6:100122621	1.00	INTERGENIC	NA	NA	2.2
17	6q16.2	rs546897	rs522842	chr6:100123569	1.00	INTERGENIC	NA	NA	0.2
17	6q16.2	rs546897	rs635039	chr6:100123947	1.00	INTERGENIC	NA	NA	0.0
17	6q16.2	rs546897	rs489750	chr6:100125118	1.00	INTERGENIC	NA	NA	2.8
17	6q16.2	rs546897	rs650783	chr6:100125119	1.00	INTERGENIC	NA	NA	2.5
17	6q16.2	rs546897	rs515047	chr6:100125874	1.00	INTERGENIC	NA	NA	1.8
17	6q16.2	rs546897	rs509868	chr6:100126424	1.00	INTERGENIC	NA	NA	1.7
17	6q16.2	rs546897	rs565450	chr6:100126524	1.00	INTERGENIC	NA	NA	0.2
17	6q16.2	rs546897	rs482799	chr6:100127108	1.00	INTERGENIC	NA	NA	0.4
17	6q16.2	rs546897	rs563088	chr6:100128073	1.00	INTERGENIC	NA	NA	7.6
17	6q16.2	rs546897	rs473634	chr6:100128266	1.00	INTERGENIC	NA	NA	15.4
17	6q16.2	rs546897	rs505326	chr6:100129807	1.00	INTERGENIC	NA	NA	3.7
17	6q16.2	rs546897	rs494401	chr6:100131160	1.00	INTERGENIC	NA	NA	19.8
17	6q16.2	rs546897	rs573594	chr6:100132256	1.00	INTERGENIC	NA	NA	0.7

17	6q16.2	rs546897	rs549687	chr6:100132355	1.00	INTERGENIC	NA	NA	14.4
17	6q16.2	rs546897	rs549632	chr6:100132370	1.00	INTERGENIC	NA	NA	0.3
17	6q16.2	rs546897	rs548653	chr6:100132684	1.00	INTERGENIC	NA	NA	4.7
17	6q16.2	rs546897	rs546897	chr6:100132856	NA	INTERGENIC	NA	NA	4.3
17	6q16.2	rs546897	rs587444	chr6:100134807	1.00	INTERGENIC	NA	NA	1.5
17	6q16.2	rs546897	rs503489	chr6:100136580	1.00	INTERGENIC	NA	NA	2.4
17	6q16.2	rs546897	rs538177	chr6:100136658	1.00	INTERGENIC	NA	NA	10.5
17	6q16.2	rs546897	rs473917	chr6:100137647	1.00	INTERGENIC	NA	NA	2.3
17	6q16.2	rs546897	rs522867	chr6:100139801	1.00	INTERGENIC	NA	NA	0.8
17	6q16.2	rs546897	rs515714	chr6:100140536	1.00	INTERGENIC	NA	NA	1.7
17	6q16.2	rs546897	rs490151	chr6:100141024	1.00	INTERGENIC	NA	NA	1.1
17	6q16.2	rs546897	rs573806	chr6:100141666	1.00	INTERGENIC	NA	NA	0.6
17	6q16.2	rs546897	rs568352	chr6:100142229	1.00	INTERGENIC	NA	NA	1.1
17	6q16.2	rs546897	rs538049	chr6:100143268	1.00	INTERGENIC	NA	NA	0.4
17	6q16.2	rs546897	rs505023	chr6:100144588	1.00	INTERGENIC	NA	NA	0.2
17	6q16.2	rs546897	rs532188	chr6:100145150	1.00	INTERGENIC	NA	NA	0.8
17	6q16.2	rs546897	rs667700	chr6:100146584	1.00	INTERGENIC	NA	NA	0.6
17	6q16.2	rs546897	rs580707	chr6:100147326	1.00	INTERGENIC	NA	NA	1.5
17	6q16.2	rs546897	rs542383	chr6:100149395	1.00	INTERGENIC	NA	NA	0.9
17	6q16.2	rs546897	rs490284	chr6:100150274	1.00	INTERGENIC	NA	NA	2.7
17	6q16.2	rs546897	rs6570286	chr6:100153325	1.00	INTERGENIC	NA	NA	3.4
17	6q16.2	rs546897	rs9495265	chr6:100155096	1.00	INTERGENIC	NA	NA	1.3
17	6q16.2	rs546897	rs2223679	chr6:100155829	1.00	INTERGENIC	NA	NA	0.2

17	6q16.2	rs546897	rs2223680	chr6:100155845	1.00	INTERGENIC	NA	NA	2.8
17	6q16.2	rs546897	rs2206727	chr6:100155853	1.00	INTERGENIC	NA	NA	1.8
17	6q16.2	rs546897	rs2223681	chr6:100156357	1.00	INTERGENIC	NA	NA	10.5
17	6q16.2	rs546897	rs2397429	chr6:100157242	1.00	INTERGENIC	NA	NA	1.4
17	6q16.2	rs546897	rs2206718	chr6:100157980	1.00	INTERGENIC	NA	NA	10.9
17	6q16.2	rs546897	rs7752843	chr6:100159009	1.00	INTERGENIC	NA	NA	4.8
17	6q16.2	rs546897	rs1997801	chr6:100159976	1.00	INTERGENIC	NA	NA	8.9
17	6q16.2	rs546897	rs1997802	chr6:100160117	1.00	INTERGENIC	NA	NA	18.6
17	6q16.2	rs546897	rs4840078	chr6:100160340	1.00	INTERGENIC	NA	NA	18.7
17	6q16.2	rs546897	rs4839752	chr6:100160377	1.00	INTERGENIC	NA	NA	12.3
17	6q16.2	rs546897	rs6919252	chr6:100164626	1.00	INTERGENIC	NA	NA	4.1
17	6q16.2	rs546897	rs4839753	chr6:100165858	1.00	INTERGENIC	NA	NA	0.4
17	6q16.2	rs546897	rs4839754	chr6:100165962	1.00	INTERGENIC	NA	NA	6.1
17	6q16.2	rs546897	rs2206720	chr6:100169292	1.00	INTERGENIC	NA	NA	8.2
17	6q16.2	rs546897	rs2206721	chr6:100170326	1.00	INTERGENIC	NA	NA	2.8
17	6q16.2	rs546897	rs13213410	chr6:100179795	1.00	INTERGENIC	NA	NA	0.1
17	6q16.2	rs546897	rs35277671	chr6:100182889	1.00	INTERGENIC	NA	NA	0.0
17	6q16.2	rs546897	rs11155033	chr6:100183774	1.00	INTERGENIC	NA	NA	6.7
17	6q16.2	rs546897	rs11758519	chr6:100184337	1.00	INTERGENIC	NA	NA	1.5
17	6q16.2	rs546897	rs11758519	chr6:100184337	1.00	REGULATORY	NA	NA	1.5
17	6q16.2	rs546897	rs11752156	chr6:100184392	1.00	INTERGENIC	NA	NA	1.4
17	6q16.2	rs546897	rs11752156	chr6:100184392	1.00	REGULATORY	NA	NA	1.4
17	6q16.2	rs546897	rs11753726	chr6:100184404	1.00	INTERGENIC	NA	NA	0.8

17	6q16.2	rs546897	rs11753726	chr6:100184404	1.00	REGULATORY	NA	NA	0.8
17	6q16.2	rs546897	rs11758549	chr6:100184485	1.00	INTERGENIC	NA	NA	0.6
17	6q16.2	rs546897	rs11758549	chr6:100184485	1.00	REGULATORY	NA	NA	0.6
17	6q16.2	rs546897	rs11155041	chr6:100194679	1.00	INTERGENIC	NA	NA	0.4
17	6q16.2	rs546897	rs11155041	chr6:100194679	1.00	REGULATORY	NA	NA	0.4
17	6q16.2	rs546897	rs12208252	chr6:100195051	1.00	INTERGENIC	NA	NA	0.2
17	6q16.2	rs546897	rs10485225	chr6:100206168	1.00	INTERGENIC	NA	NA	6.6
17	6q16.2	rs546897	rs11155055	chr6:100208996	1.00	INTERGENIC	NA	NA	3.2
17	6q16.2	rs546897	rs34024171	chr6:100212405	0.95	INTERGENIC	NA	NA	6.5
17	6q16.2	rs546897	rs12210989	chr6:100213735	0.95	INTERGENIC	NA	NA	2.4
17	6q16.2	rs546897	rs12215309	chr6:100216540	0.95	INTERGENIC	NA	NA	1.5
17	6q16.2	rs546897	rs9403086	chr6:100224789	0.90	INTERGENIC	NA	NA	2.4
17	6q16.2	rs546897	rs11758062	chr6:100226135	0.90	INTERGENIC	NA	NA	1.9
17	6q16.2	rs546897	rs11155076	chr6:100226858	0.90	INTERGENIC	NA	NA	0.1
17	6q16.2	rs546897	rs9403088	chr6:100227425	0.90	INTERGENIC	NA	NA	6.3
17	6q16.2	rs546897	rs2016494	chr6:100235208	0.90	INTERGENIC	NA	NA	1.9
17	6q16.2	rs546897	rs12196337	chr6:100235581	0.90	INTERGENIC	NA	NA	0.0
17	6q16.2	rs546897	rs12203418	chr6:100235749	0.90	INTERGENIC	NA	NA	8.7
17	6q16.2	rs546897	rs10872524	chr6:100236540	0.90	INTERGENIC	NA	NA	1.4
17	6q16.2	rs546897	rs9389703	chr6:100237591	0.90	INTERGENIC	NA	NA	7.7
17	6q16.2	rs546897	rs12210442	chr6:100238726	0.90	INTERGENIC	NA	NA	8.7
17	6q16.2	rs546897	rs12210442	chr6:100238726	0.90	REGULATORY	NA	NA	8.7
17	6q16.2	rs546897	rs9373241	chr6:100238876	0.90	INTERGENIC	NA	NA	4.0

17	6q16.2	rs546897	rs9373241	chr6:100238876	0.90	REGULATORY	NA	NA	4.0
17	6q16.2	rs546897	rs9403099	chr6:100238958	0.90	INTERGENIC	NA	NA	1.1
17	6q16.2	rs546897	rs9403100	chr6:100239451	0.90	INTERGENIC	NA	NA	1.4
17	6q16.2	rs546897	rs12205289	chr6:100245555	0.90	INTERGENIC	NA	NA	2.4
17	6q16.2	rs546897	rs12216344	chr6:100248039	0.87	INTERGENIC	NA	NA	12.2
17	6q16.2	rs546897	rs11155085	chr6:100250056	0.90	INTERGENIC	NA	NA	10.4
17	6q16.2	rs546897	rs11155088	chr6:100258695	0.81	INTERGENIC	NA	NA	12.2
17	6q16.2	rs546897	rs12199926	chr6:100264443	0.81	INTERGENIC	NA	NA	7.8
17	6q16.2	rs546897	rs3935232	chr6:100269060	0.81	INTERGENIC	NA	NA	0.1
18	6q21	rs1935951	rs2022464	chr6:108945370	0.83	INTRONIC	NA	NA	1.3
18	6q21	rs1935951	rs10457180	chr6:108965039	0.83	INTRONIC	NA	NA	3.9
18	6q21	rs1935951	rs13217795	chr6:108974098	0.83	INTRONIC	NA	NA	12.7
18	6q21	rs1935951	rs4946932	chr6:108974746	0.83	INTRONIC	NA	NA	3.0
18	6q21	rs1935951	rs9400239	chr6:108977663	0.83	INTRONIC	NA	NA	4.1
18	6q21	rs1935951	rs9400239	chr6:108977663	0.83	REGULATORY	NA	NA	4.1
18	6q21	rs1935951	rs9398171	chr6:108983527	0.95	INTRONIC	NA	NA	2.7
18	6q21	rs1935951	rs2153960	chr6:108988184	0.95	INTRONIC	NA	NA	7.6
18	6q21	rs1935951	rs2153960	chr6:108988184	0.95	REGULATORY	NA	NA	7.6
18	6q21	rs1935951	rs3800227	chr6:108994161	0.80	INTRONIC	NA	NA	5.0
18	6q21	rs1935951	rs35396874	chr6:108994433	1.00	INTRONIC	NA	NA	6.1
18	6q21	rs1935951	rs9398172	chr6:108994826	1.00	INTRONIC	NA	NA	6.4
18	6q21	rs1935951	rs9398172	chr6:108994826	1.00	REGULATORY	NA	NA	6.4
18	6q21	rs1935951	rs3800228	chr6:108996748	1.00	INTRONIC	NA	NA	5.4

18	6q21	rs1935951	rs3800229	chr6:108996963	1.00	INTRONIC	NA	NA	1.3
18	6q21	rs1935951	rs9374040	chr6:108997435	1.00	INTRONIC	NA	NA	5.7
18	6q21	rs1935951	rs9400240	chr6:108997611	1.00	INTRONIC	NA	NA	4.3
18	6q21	rs1935951	rs3800231	chr6:108998266	1.00	INTRONIC	NA	NA	3.6
18	6q21	rs1935951	rs1935952	chr6:108998905	1.00	INTRONIC	NA	NA	2.9
18	6q21	rs1935951	rs1935952	chr6:108998905	1.00	REGULATORY	NA	NA	2.9
18	6q21	rs1935951	rs1935951	chr6:108999101	NA	INTRONIC	NA	NA	3.6
18	6q21	rs1935951	rs1935949	chr6:108999287	1.00	INTRONIC	NA	NA	1.1
18	6q21	rs1935951	rs1935949	chr6:108999287	1.00	REGULATORY	NA	NA	1.1
18	6q21	rs1935951	rs9398173	chr6:109000316	1.00	INTRONIC	NA	NA	0.6
18	6q21	rs1935951	rs4946935	chr6:109000742	1.00	INTRONIC	NA	NA	1.4
18	6q21	rs1935951	rs4945816	chr6:109002042	1.00	3PRIME_UTR	NA	NA	0.0
18	6q21	rs1935951	rs4946936	chr6:109003321	1.00	3PRIME_UTR	NA	NA	4.6
18	6q21	rs1935951	rs11172790 5	chr6:109005588	0.95	3PRIME_UTR	NA	NA	5.3
19	6q22.32	rs72971190	rs1337736	chr6:126845380	0.92	INTERGENIC	NA	NA	1.5
19	6q22.32	rs72971190	rs4427021	chr6:126938446	0.92	INTERGENIC	NA	NA	4.0
19	6q22.32	rs72971190	rs6569466	chr6:126961319	0.92	UPSTREAM	NA	NA	4.1
19	6q22.32	rs72971190	rs9375452	chr6:127014862	0.92	INTERGENIC	NA	NA	11.7
19	6q22.32	rs72971190	rs9401903	chr6:127055771	0.97	INTERGENIC	NA	NA	0.9
19	6q22.32	rs72971190	rs1343222	chr6:127081190	0.97	INTERGENIC	NA	NA	0.5
19	6q22.32	rs72971190	rs9385403	chr6:127083941	0.97	INTERGENIC	NA	NA	1.9
19	6q22.32	rs72971190	rs13212467	chr6:127086138	0.97	INTERGENIC	NA	NA	10.9

19	6q22.32	rs72971190	rs72971190	chr6:127088303	NA	INTERGENIC	NA	NA	3.9
19	6q22.32	rs72971190	rs72971192	chr6:127088318	1.00	INTERGENIC	NA	NA	3.7
19	6q22.32	rs72971190	rs4897189	chr6:127088550	1.00	INTERGENIC	NA	NA	2.1
19	6q22.32	rs72971190	rs9385404	chr6:127088591	1.00	INTERGENIC	NA	NA	1.4
19	6q22.32	rs72971190	rs4895815	chr6:127090469	1.00	INTERGENIC	NA	NA	0.6
19	6q22.32	rs72971190	rs17054064	chr6:127091354	1.00	INTERGENIC	NA	NA	1.7
19	6q22.32	rs72971190	rs4895816	chr6:127094587	1.00	INTERGENIC	NA	NA	11.7
19	6q22.32	rs72971190	rs4895816	chr6:127094587	1.00	REGULATORY	NA	NA	11.7
19	6q22.32	rs72971190	rs4895817	chr6:127094898	1.00	INTERGENIC	NA	NA	15.6
19	6q22.32	rs72971190	rs9388517	chr6:127095666	1.00	INTERGENIC	NA	NA	2.2
19	6q22.32	rs72971190	rs9401907	chr6:127096181	1.00	INTERGENIC	NA	NA	3.2
19	6q22.32	rs72971190	rs983741	chr6:127096527	1.00	INTERGENIC	NA	NA	3.4
19	6q22.32	rs72971190	rs9375460	chr6:127149538	0.89	INTERGENIC	NA	NA	4.0
19	6q22.32	rs72971190	rs9375460	chr6:127149538	0.89	REGULATORY	NA	NA	4.0
19	6q22.32	rs72971190	rs9375476	chr6:127185801	0.91	INTERGENIC	NA	NA	8.0
20	7q36.3	rs11764163	rs11763338	chr7:156066471	0.80	INTERGENIC	NA	NA	1.5
20	7q36.3	rs11764163	rs4717030	chr7:156066592	0.80	INTERGENIC	NA	NA	4.8
20	7q36.3	rs11764163	rs11764163	chr7:156066865	NA	INTERGENIC	NA	NA	7.7
20	7q36.3	rs11764163	rs4716596	chr7:156067956	0.88	INTERGENIC	NA	NA	4.9
20	7q36.3	rs11764163	rs10949809	chr7:156068831	0.88	INTERGENIC	NA	NA	5.5
20	7q36.3	rs57131976	rs10258194	chr7:156156610	0.83	INTERGENIC	NA	NA	3.6
20	7q36.3	rs57131976	rs10258969	chr7:156157753	0.83	INTERGENIC	NA	NA	2.5
20	7q36.3	rs57131976	rs10253193	chr7:156157801	0.83	INTERGENIC	NA	NA	0.4

20	7q36.3	rs57131976	rs10244637	chr7:156157853	0.93	INTERGENIC	NA	NA	0.1
20	7q36.3	rs57131976	rs10244786	chr7:156157989	0.83	INTERGENIC	NA	NA	1.0
20	7q36.3	rs57131976	rs10265909	chr7:156158095	0.83	INTERGENIC	NA	NA	1.1
20	7q36.3	rs57131976	rs12386632	chr7:156158221	0.83	INTERGENIC	NA	NA	3.8
20	7q36.3	rs57131976	rs12386633	chr7:156158232	0.83	INTERGENIC	NA	NA	0.7
20	7q36.3	rs57131976	rs12386682	chr7:156158265	0.83	INTERGENIC	NA	NA	0.9
20	7q36.3	rs57131976	rs12386634	chr7:156158373	0.83	INTERGENIC	NA	NA	1.1
20	7q36.3	rs57131976	rs4997807	chr7:156158672	0.86	INTERGENIC	NA	NA	1.3
20	7q36.3	rs57131976	rs12698432	chr7:156158719	0.83	INTERGENIC	NA	NA	0.0
20	7q36.3	rs57131976	rs4997808	chr7:156158734	0.83	INTERGENIC	NA	NA	2.7
20	7q36.3	rs57131976	rs28451598	chr7:156158974	0.83	INTERGENIC	NA	NA	1.4
20	7q36.3	rs57131976	rs12672151	chr7:156159053	0.83	INTERGENIC	NA	NA	3.5
20	7q36.3	rs57131976	rs10266659	chr7:156159278	0.83	INTERGENIC	NA	NA	1.2
20	7q36.3	rs57131976	rs10261230	chr7:156159632	0.83	INTERGENIC	NA	NA	0.2
20	7q36.3	rs57131976	rs10267031	chr7:156159649	0.83	INTERGENIC	NA	NA	4.5
20	7q36.3	rs57131976	rs1996994	chr7:156159694	0.83	INTERGENIC	NA	NA	3.8
20	7q36.3	rs57131976	rs10261485	chr7:156159775	0.83	INTERGENIC	NA	NA	0.1
20	7q36.3	rs57131976	rs10249935	chr7:156159781	0.83	INTERGENIC	NA	NA	0.0
20	7q36.3	rs57131976	rs10271030	chr7:156159796	0.84	INTERGENIC	NA	NA	2.5
20	7q36.3	rs57131976	rs10270517	chr7:156160010	0.83	INTERGENIC	NA	NA	1.3
20	7q36.3	rs57131976	rs10265482	chr7:156160655	0.83	INTERGENIC	NA	NA	2.4
20	7q36.3	rs57131976	rs13221649	chr7:156160793	0.83	INTERGENIC	NA	NA	0.9
20	7q36.3	rs57131976	rs34977094	chr7:156160864	0.83	INTERGENIC	NA	NA	2.3

20	7q36.3	rs57131976	rs34810003	chr7:156160883	0.83	INTERGENIC	NA	NA	3.9
20	7q36.3	rs57131976	rs34245976	chr7:156160897	0.83	INTERGENIC	NA	NA	1.3
20	7q36.3	rs57131976	rs13224457	chr7:156161005	0.83	INTERGENIC	NA	NA	6.7
20	7q36.3	rs57131976	rs10275400	chr7:156161550	0.83	INTERGENIC	NA	NA	2.4
20	7q36.3	rs57131976	rs4490714	chr7:156162510	0.83	INTERGENIC	NA	NA	0.4
20	7q36.3	rs57131976	rs10458244	chr7:156164285	0.83	INTERGENIC	NA	NA	3.1
20	7q36.3	rs57131976	rs10949585	chr7:156165258	0.83	INTERGENIC	NA	NA	0.4
20	7q36.3	rs57131976	rs36071136	chr7:156166303	1.00	INTERGENIC	NA	NA	0.4
20	7q36.3	rs57131976	rs57131976	chr7:156167072	NA	INTERGENIC	NA	NA	0.9
21	8p23.1	rs2572397	rs10481445	chr8:11109269	0.89	UPSTREAM	NA	NA	1.8
21	8p23.1	rs2572397	rs10481445	chr8:11109269	0.89	INTRONIC	NA	NA	1.8
21	8p23.1	rs2572397	rs10481454	chr8:11109303	0.89	UPSTREAM	NA	NA	0.6
21	8p23.1	rs2572397	rs10481454	chr8:11109303	0.89	INTRONIC	NA	NA	0.6
21	8p23.1	rs2572397	rs10098488	chr8:11130977	0.82	INTERGENIC	NA	NA	0.4
21	8p23.1	rs2572397	rs2572397	chr8:11176403	NA	INTRONIC	NA	NA	2.8
21	8p23.1	rs2572397	rs2572397	chr8:11176403	NA	NONCODING_CHANGE	NA	NA	2.8
21	8p23.1	rs2572397	rs2251473	chr8:11177126	0.98	INTRONIC	NA	NA	3.5
21	8p23.1	rs2572397	rs2251473	chr8:11177126	0.98	NONCODING_CHANGE	NA	NA	3.5
21	8p23.1	rs2572397	rs2572398	chr8:11178093	1.00	INTRONIC	NA	NA	1.1
21	8p23.1	rs2572397	rs2572398	chr8:11178093	1.00	NONCODING_CHANGE	NA	NA	1.1
21	8p23.1	rs2572397	rs3808502	chr8:11179458	0.91	INTRONIC	NA	NA	1.5
21	8p23.1	rs2572397	rs3808502	chr8:11179458	0.91	INTRONIC	NA	NA	1.5
22	8q24.3	rs6984592	rs1868276	chr8:142033034	0.94	INTERGENIC	NA	NA	3.7

22	8q24.3	rs6984592	rs1868276	chr8:142033034	0.94	REGULATORY	NA	NA	3.7
22	8q24.3	rs6984592	rs10102219	chr8:142033550	0.98	INTERGENIC	NA	NA	5.2
22	8q24.3	rs6984592	rs1550955	chr8:142038599	1.00	INTERGENIC	NA	NA	0.7
22	8q24.3	rs6984592	rs1550955	chr8:142038599	1.00	REGULATORY	NA	NA	0.7
22	8q24.3	rs6984592	rs7815065	chr8:142039100	1.00	INTERGENIC	NA	NA	0.7
22	8q24.3	rs6984592	rs13268108	chr8:142039586	0.92	INTERGENIC	NA	NA	1.6
22	8q24.3	rs6984592	rs6988158	chr8:142039745	1.00	INTERGENIC	NA	NA	0.3
22	8q24.3	rs6984592	rs7001516	chr8:142039768	1.00	INTERGENIC	NA	NA	1.0
22	8q24.3	rs6984592	rs6984592	chr8:142040038	NA	INTERGENIC	NA	NA	3.1
22	8q24.3	rs6984592	rs35807050	chr8:142040409	0.94	INTERGENIC	NA	NA	1.2
22	8q24.3	rs6984592	rs7834152	chr8:142042870	0.94	INTERGENIC	NA	NA	19.4
23	9q31.2	rs7027172	rs7027172	chr9:109571457	NA	INTERGENIC	NA	NA	4.0
23	9q31.2	rs7027172	rs11801792 6	chr9:109626812	1.00	INTRONIC	NA	NA	11.0
23	9q31.2	rs7027172	rs11801792 6	chr9:109626812	1.00	REGULATORY	NA	NA	11.0
23	9q31.2	rs7027172	rs62568588	chr9:109655223	1.00	INTRONIC	NA	NA	14.5
23	9q31.2	rs7027172	rs62568588	chr9:109655223	1.00	REGULATORY	NA	NA	14.5
24	9q33.1	rs72754248	rs72754248	chr9:119061396	NA	INTRONIC	NA	NA	15.1
24	9q33.1	rs72754248	rs72754248	chr9:119061396	NA	INTRONIC	NA	NA	15.1
24	9q33.1	rs72754248	rs35565319	chr9:119065043	1.00	INTRONIC	NA	NA	14.4
24	9q33.1	rs72754248	rs35565319	chr9:119065043	1.00	SYNONYMOUS	NA	NA	14.4
24	9q33.1	rs72754248	rs72754266	chr9:119093757	0.91	INTRONIC	NA	NA	7.6
24	9q33.1	rs17220352	rs34499708	chr9:119241165	0.95	INTRONIC	NA	NA	1.9

24	9q33.1	rs17220352	rs12684144	chr9:119241635	0.95	INTRONIC	NA	NA	15.7
24	9q33.1	rs17220352	rs12684144	chr9:119241635	0.95	REGULATORY	NA	NA	15.7
24	9q33.1	rs17220352	rs12683023	chr9:119241662	0.95	INTRONIC	NA	NA	13.3
24	9q33.1	rs17220352	rs12683023	chr9:119241662	0.95	REGULATORY	NA	NA	13.3
24	9q33.1	rs17220352	rs7858153	chr9:119245085	0.95	INTRONIC	NA	NA	10.0
24	9q33.1	rs17220352	rs7858153	chr9:119245085	0.95	REGULATORY	NA	NA	10.0
24	9q33.1	rs17220352	rs7873551	chr9:119245127	0.95	INTRONIC	NA	NA	9.6
24	9q33.1	rs17220352	rs7873551	chr9:119245127	0.95	REGULATORY	NA	NA	9.6
24	9q33.1	rs17220352	rs17220352	chr9:119248059	NA	INTRONIC	NA	NA	2.8
24	9q33.1	rs17220352	rs13290589	chr9:119251786	1.00	INTRONIC	NA	NA	2.0
24	9q33.1	rs17220352	rs35109285	chr9:119254358	1.00	INTRONIC	NA	NA	0.7
24	9q33.1	rs17220352	rs34979631	chr9:119255297	0.98	INTRONIC	NA	NA	1.9
24	9q33.1	rs17220352	rs34278882	chr9:119257528	1.00	INTRONIC	NA	NA	2.7
24	9q33.1	rs17220352	rs34278882	chr9:119257528	1.00	REGULATORY	NA	NA	2.7
24	9q33.1	rs17220352	rs3891689	chr9:119258583	0.95	INTRONIC	NA	NA	2.1
25	9q34.11	rs3118634	rs3118634	chr9:131905854	NA	INTRONIC	NA	NA	6.8
25	9q34.11	rs3118634	rs3118634	chr9:131905854	NA	REGULATORY	NA	NA	6.8
25	9q34.11	rs3118634	rs2480452	chr9:131909736	1.00	NON_SYNONYMOUS	benign	tolerated	23.9
26	10q26.13	rs4752582	rs4752582	chr10:123443605	NA	INTERGENIC	NA	NA	12.0
27	12q23.2	rs5742632	rs5742632	chr12:102856474	NA	INTRONIC	NA	NA	0.3
27	12q23.2	rs5742632	rs2195240	chr12:102856647	1.00	INTRONIC	NA	NA	13.6
27	12q23.2	rs5742632	rs2195239	chr12:102856702	1.00	INTRONIC	NA	NA	17.2
27	12q23.2	rs5742632	rs5742629	chr12:102857263	0.81	INTRONIC	NA	NA	5.4

27	12q23.2	rs5742632	rs5742629	chr12:102857263	0.81	REGULATORY	NA	NA	5.4
27	12q23.2	rs5742632	rs10778176	chr12:102862979	0.81	INTRONIC	NA	NA	4.0
27	12q23.2	rs5742632	rs17882461	chr12:102863979	0.94	INTRONIC	NA	NA	17.2
27	12q23.2	rs5742632	rs10860869	chr12:102865052	0.81	INTRONIC	NA	NA	13.8
27	12q23.2	rs703545	rs2114912	chr12:102929003	1.00	INTERGENIC	NA	NA	5.4
27	12q23.2	rs703545	rs2245763	chr12:102929425	0.93	INTERGENIC	NA	NA	2.0
27	12q23.2	rs703545	rs2607988	chr12:102929883	0.93	INTERGENIC	NA	NA	1.7
27	12q23.2	rs703545	rs10860874	chr12:102930095	0.90	INTERGENIC	NA	NA	1.5
27	12q23.2	rs703545	rs10860874	chr12:102930095	0.90	REGULATORY	NA	NA	1.5
27	12q23.2	rs703545	rs7312617	chr12:102931304	1.00	INTERGENIC	NA	NA	0.2
27	12q23.2	rs703545	rs855202	chr12:102932163	0.90	INTERGENIC	NA	NA	3.3
27	12q23.2	rs703545	rs862901	chr12:102934415	0.90	INTERGENIC	NA	NA	2.8
27	12q23.2	rs703545	rs2559836	chr12:102935262	0.93	INTERGENIC	NA	NA	3.4
27	12q23.2	rs703545	rs10778177	chr12:102936946	0.93	INTERGENIC	NA	NA	4.4
27	12q23.2	rs703545	rs10778177	chr12:102936946	0.93	REGULATORY	NA	NA	4.4
27	12q23.2	rs703545	rs4764702	chr12:102937106	0.93	INTERGENIC	NA	NA	4.2
27	12q23.2	rs703545	rs4764702	chr12:102937106	0.93	REGULATORY	NA	NA	4.2
27	12q23.2	rs703545	rs860604	chr12:102937739	0.93	INTERGENIC	NA	NA	1.2
27	12q23.2	rs703545	rs860604	chr12:102937739	0.93	REGULATORY	NA	NA	1.2
27	12q23.2	rs703545	rs703541	chr12:102938494	0.90	INTERGENIC	NA	NA	1.6
27	12q23.2	rs703545	rs855288	chr12:102938631	0.90	INTERGENIC	NA	NA	1.7
27	12q23.2	rs703545	rs35749	chr12:102940183	0.90	INTERGENIC	NA	NA	2.7
27	12q23.2	rs703545	rs703542	chr12:102941078	0.90	INTERGENIC	NA	NA	2.5

27	12q23.2	rs703545	rs703543	chr12:102942110	0.93	INTERGENIC	NA	NA	2.3
27	12q23.2	rs703545	rs703544	chr12:102942355	1.00	INTERGENIC	NA	NA	1.4
27	12q23.2	rs703545	rs703545	chr12:102943000	NA	INTERGENIC	NA	NA	0.3
27	12q23.2	rs703545	rs703546	chr12:102943208	0.90	INTERGENIC	NA	NA	2.4
27	12q23.2	rs703545	rs703547	chr12:102943707	1.00	INTERGENIC	NA	NA	0.3
27	12q23.2	rs703545	rs703548	chr12:102944673	0.90	INTERGENIC	NA	NA	14.0
27	12q23.2	rs703545	rs35762	chr12:102949647	0.81	INTERGENIC	NA	NA	3.4
28	13q21.33	rs529059	rs490599	chr13:72902191	0.81	INTERGENIC	NA	NA	2.9
28	13q21.33	rs529059	rs561889	chr13:72913575	0.87	INTERGENIC	NA	NA	1.1
28	13q21.33	rs529059	rs573807	chr13:72917757	0.81	INTERGENIC	NA	NA	0.7
28	13q21.33	rs529059	rs548674	chr13:72932355	0.89	INTERGENIC	NA	NA	0.2
28	13q21.33	rs529059	rs529059	chr13:72933970	NA	INTERGENIC	NA	NA	1.3
28	13q21.33	rs529059	rs560076	chr13:72935038	0.91	INTERGENIC	NA	NA	0.2
28	13q21.33	rs529059	rs562136	chr13:72935310	0.91	INTERGENIC	NA	NA	2.8
28	13q21.33	rs529059	rs1770317	chr13:72952928	0.82	INTERGENIC	NA	NA	0.9
29	15q25.2	rs62012045	rs62012044	chr15:82521580	1.00	INTRONIC	NA	NA	5.8
29	15q25.2	rs62012045	rs62012045	chr15:82521707	NA	INTRONIC	NA	NA	3.6
29	15q25.2	rs62012045	rs56042848	chr15:82527585	1.00	INTRONIC	NA	NA	0.2
29	15q25.2	rs62012045	rs62012050	chr15:82532274	0.81	INTRONIC	NA	NA	4.6
29	15q25.2	rs62012045	rs4778672	chr15:82537354	1.00	INTRONIC	NA	NA	3.3

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<http://www.ensembl.org/>

Supplementary Table S7B: All cis-expression quantitative tract loci (cis-eQTL) with overlap with each independent COJO identified genomic region

Locus	Cytoband	Index SNP	eQTL Marker Name	eQTL Chromosome: Physical Location	R ² between Index SNP and eQTL Partner	Ensembl ID	Gene Symbol	A1 (eQTL)	A2 (eQTL)	Beta (eQTL)	SE (eQTL)	P (eQTL)
7	3p21.31	rs7640903	rs7374375	chr3:49324455	1.00	ENSG00000145020	AMT	A	T	0.511	0.059	4.09E-14
7	3p21.31	rs7640903	rs7374375	chr3:49324455	1.00	ENSG00000145020	AMT	A	T	0.433	0.065	1.73E-09
7	3p21.31	rs7640903	rs12493284	chr3:49324782	1.00	ENSG00000145020	AMT	G	A	0.433	0.065	1.73E-09
7	3p21.31	rs7640903	rs12493284	chr3:49324782	1.00	ENSG00000145020	AMT	G	A	0.511	0.059	4.09E-14
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	ENSG00000145020	AMT	G	C	0.518	0.060	3.27E-14
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	ENSG00000145020	AMT	G	C	0.426	0.065	2.37E-09
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000145020	AMT	G	A	0.579	0.054	2.98E-19
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000145020	AMT	G	A	0.437	0.064	5.01E-10
7	3p21.31	rs7640903	rs11720964	chr3:49336232	0.93	ENSG00000145020	AMT	T	C	0.433	0.067	3.19E-09
7	3p21.31	rs7640903	rs11720964	chr3:49336232	0.93	ENSG00000145020	AMT	T	C	0.530	0.062	4.80E-14
7	3p21.31	rs7640903	rs4554002	chr3:49337120	1.00	ENSG00000145020	AMT	C	T	0.522	0.059	1.43E-14
7	3p21.31	rs7640903	rs4554002	chr3:49337120	1.00	ENSG00000145020	AMT	C	T	0.435	0.066	1.86E-09
7	3p21.31	rs7640903	rs7640903	chr3:49338465	NA	ENSG00000145020	AMT	G	A	0.434	0.064	7.72E-10
7	3p21.31	rs7640903	rs7640903	chr3:49338465	NA	ENSG00000145020	AMT	G	A	0.520	0.057	3.86E-15
7	3p21.31	rs7640903	rs11709788	chr3:49349444	1.00	ENSG00000145020	AMT	G	C	0.518	0.060	3.27E-14
7	3p21.31	rs7640903	rs11709788	chr3:49349444	1.00	ENSG00000145020	AMT	G	C	0.426	0.065	2.37E-09
7	3p21.31	rs7640903	rs11920251	chr3:49356671	1.00	ENSG00000145020	AMT	C	T	0.512	0.062	1.83E-13

7	3p21.31	rs7640903	rs11920251	chr3:49356671	1.00	ENSG00000145020	AMT	C	T	0.423	0.068	1.03E-08
7	3p21.31	rs7640903	rs1865741	chr3:49362892	1.00	ENSG00000145020	AMT	A	G	0.510	0.061	1.39E-13
7	3p21.31	rs7640903	rs1865741	chr3:49362892	1.00	ENSG00000145020	AMT	A	G	0.404	0.067	2.16E-08
7	3p21.31	rs7640903	rs34142492	chr3:49363759	1.00	ENSG00000145020	AMT	A	T	0.518	0.060	3.27E-14
7	3p21.31	rs7640903	rs34142492	chr3:49363759	1.00	ENSG00000145020	AMT	A	T	0.426	0.065	2.37E-09
7	3p21.31	rs7640903	rs12497569	chr3:49364830	1.00	ENSG00000145020	AMT	G	A	0.522	0.059	1.43E-14
7	3p21.31	rs7640903	rs12497569	chr3:49364830	1.00	ENSG00000145020	AMT	G	A	0.435	0.066	1.86E-09
7	3p21.31	rs7640903	rs6795772	chr3:49365269	1.00	ENSG00000145020	AMT	C	T	0.522	0.059	1.43E-14
7	3p21.31	rs7640903	rs6795772	chr3:49365269	1.00	ENSG00000145020	AMT	C	T	0.435	0.066	1.86E-09
7	3p21.31	rs7640903	rs4955431	chr3:49368521	1.00	ENSG00000145020	AMT	G	A	0.426	0.065	2.37E-09
7	3p21.31	rs7640903	rs4955431	chr3:49368521	1.00	ENSG00000145020	AMT	G	A	0.518	0.060	3.27E-14
7	3p21.31	rs7640903	rs7374375	chr3:49324455	1.00	ENSG00000177352	CCDC71	A	T	-0.383	0.064	2.86E-08
7	3p21.31	rs7640903	rs7374375	chr3:49324455	1.00	ENSG00000177352	CCDC71	A	T	-0.514	0.071	7.85E-11
7	3p21.31	rs7640903	rs12493284	chr3:49324782	1.00	ENSG00000177352	CCDC71	G	A	-0.383	0.064	2.86E-08
7	3p21.31	rs7640903	rs12493284	chr3:49324782	1.00	ENSG00000177352	CCDC71	G	A	-0.514	0.071	7.85E-11
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	ENSG00000177352	CCDC71	G	C	-0.406	0.064	4.49E-09
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	ENSG00000177352	CCDC71	G	C	-0.517	0.070	3.56E-11
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000177352	CCDC71	G	A	-0.458	0.060	6.31E-12
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000177352	CCDC71	G	A	-0.564	0.065	7.30E-14
7	3p21.31	rs7640903	rs11720964	chr3:49336232	0.93	ENSG00000177352	CCDC71	T	C	-0.520	0.072	9.71E-11
7	3p21.31	rs7640903	rs4554002	chr3:49337120	1.00	ENSG00000177352	CCDC71	C	T	-0.522	0.071	4.82E-11
7	3p21.31	rs7640903	rs4554002	chr3:49337120	1.00	ENSG00000177352	CCDC71	C	T	-0.396	0.064	1.09E-08
7	3p21.31	rs7640903	rs7640903	chr3:49338465	NA	ENSG00000177352	CCDC71	G	A	-0.512	0.070	4.48E-11

7	3p21.31	rs7640903	rs7640903	chr3:49338465	NA	ENSG00000177352	CCDC71	G	A	-0.380	0.063	2.33E-08
7	3p21.31	rs7640903	rs11709788	chr3:49349444	1.00	ENSG00000177352	CCDC71	G	C	-0.517	0.070	3.56E-11
7	3p21.31	rs7640903	rs11709788	chr3:49349444	1.00	ENSG00000177352	CCDC71	G	C	-0.406	0.064	4.49E-09
7	3p21.31	rs7640903	rs11920251	chr3:49356671	1.00	ENSG00000177352	CCDC71	C	T	-0.531	0.072	3.87E-11
7	3p21.31	rs7640903	rs11920251	chr3:49356671	1.00	ENSG00000177352	CCDC71	C	T	-0.431	0.064	5.26E-10
7	3p21.31	rs7640903	rs1865741	chr3:49362892	1.00	ENSG00000177352	CCDC71	A	G	-0.403	0.064	6.68E-09
7	3p21.31	rs7640903	rs1865741	chr3:49362892	1.00	ENSG00000177352	CCDC71	A	G	-0.514	0.070	5.38E-11
7	3p21.31	rs7640903	rs34142492	chr3:49363759	1.00	ENSG00000177352	CCDC71	A	T	-0.406	0.064	4.49E-09
7	3p21.31	rs7640903	rs34142492	chr3:49363759	1.00	ENSG00000177352	CCDC71	A	T	-0.517	0.070	3.56E-11
7	3p21.31	rs7640903	rs12497569	chr3:49364830	1.00	ENSG00000177352	CCDC71	G	A	-0.396	0.064	1.09E-08
7	3p21.31	rs7640903	rs12497569	chr3:49364830	1.00	ENSG00000177352	CCDC71	G	A	-0.522	0.071	4.82E-11
7	3p21.31	rs7640903	rs6795772	chr3:49365269	1.00	ENSG00000177352	CCDC71	C	T	-0.396	0.064	1.09E-08
7	3p21.31	rs7640903	rs6795772	chr3:49365269	1.00	ENSG00000177352	CCDC71	C	T	-0.522	0.071	4.82E-11
7	3p21.31	rs7640903	rs4955431	chr3:49368521	1.00	ENSG00000177352	CCDC71	G	A	-0.517	0.070	3.56E-11
7	3p21.31	rs7640903	rs4955431	chr3:49368521	1.00	ENSG00000177352	CCDC71	G	A	-0.406	0.064	4.49E-09
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000233276	GPX1	G	A	-0.314	0.053	2.90E-08
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	ENSG00000213672	NCKIPSD	G	C	0.403	0.065	1.17E-08
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000213672	NCKIPSD	G	A	0.311	0.051	1.42E-08
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000213672	NCKIPSD	G	A	0.450	0.061	4.21E-11
7	3p21.31	rs7640903	rs11709788	chr3:49349444	1.00	ENSG00000213672	NCKIPSD	G	C	0.403	0.065	1.17E-08
7	3p21.31	rs7640903	rs11920251	chr3:49356671	1.00	ENSG00000213672	NCKIPSD	C	T	0.402	0.068	3.76E-08
7	3p21.31	rs7640903	rs1865741	chr3:49362892	1.00	ENSG00000213672	NCKIPSD	A	G	0.407	0.065	8.50E-09
7	3p21.31	rs7640903	rs34142492	chr3:49363759	1.00	ENSG00000213672	NCKIPSD	A	T	0.403	0.065	1.17E-08

7	3p21.31	rs7640903	rs4955431	chr3:49368521	1.00	ENSG00000213672	NCKIPSD	G	A	0.403	0.065	1.17E-08
7	3p21.31	rs7640903	rs7374375	chr3:49324455	1.00	ENSG00000178252	WDR6	A	T	-0.331	0.050	1.25E-09
7	3p21.31	rs7640903	rs12493284	chr3:49324782	1.00	ENSG00000178252	WDR6	G	A	-0.331	0.050	1.25E-09
7	3p21.31	rs7640903	rs3774799	chr3:49334608	1.00	ENSG00000178252	WDR6	G	C	-0.335	0.051	1.15E-09
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000178252	WDR6	G	A	-0.325	0.050	2.42E-09
7	3p21.31	rs7640903	rs3774800	chr3:49334768	0.83	ENSG00000178252	WDR6	G	A	-0.392	0.046	7.06E-14
7	3p21.31	rs7640903	rs11720964	chr3:49336232	0.93	ENSG00000178252	WDR6	T	C	-0.332	0.053	5.66E-09
7	3p21.31	rs7640903	rs4554002	chr3:49337120	1.00	ENSG00000178252	WDR6	C	T	-0.330	0.051	1.94E-09
7	3p21.31	rs7640903	rs7640903	chr3:49338465	NA	ENSG00000178252	WDR6	G	A	-0.325	0.050	1.45E-09
7	3p21.31	rs7640903	rs11709788	chr3:49349444	1.00	ENSG00000178252	WDR6	G	C	-0.335	0.051	1.15E-09
7	3p21.31	rs7640903	rs11920251	chr3:49356671	1.00	ENSG00000178252	WDR6	C	T	-0.340	0.051	1.05E-09
7	3p21.31	rs7640903	rs1865741	chr3:49362892	1.00	ENSG00000178252	WDR6	A	G	-0.341	0.050	5.77E-10
7	3p21.31	rs7640903	rs34142492	chr3:49363759	1.00	ENSG00000178252	WDR6	A	T	-0.335	0.051	1.15E-09
7	3p21.31	rs7640903	rs12497569	chr3:49364830	1.00	ENSG00000178252	WDR6	G	A	-0.330	0.051	1.94E-09
7	3p21.31	rs7640903	rs6795772	chr3:49365269	1.00	ENSG00000178252	WDR6	C	T	-0.330	0.051	1.94E-09
7	3p21.31	rs7640903	rs4955431	chr3:49368521	1.00	ENSG00000178252	WDR6	G	A	-0.335	0.051	1.15E-09
12	5q14.2	rs5580383 2	rs55989030	chr5:81911273	0.95	ENSG00000038427	VCAN	A	G	0.384	0.065	3.32E-08
12	5q14.2	rs5580383 2	rs10065716	chr5:81912035	0.95	ENSG00000038427	VCAN	A	G	0.384	0.065	3.32E-08
12	5q14.2	rs5580383 2	rs9686384	chr5:81914579	0.95	ENSG00000038427	VCAN	C	T	0.395	0.065	1.33E-08
12	5q14.2	rs5580383 2	rs6870327	chr5:81919447	0.95	ENSG00000038427	VCAN	A	G	0.465	0.067	2.71E-10

12	5q14.2	rs5580383 2	rs6876647	chr5:81920484	0.95	ENSG00000038427	VCAN	G	A	0.430	0.063	3.93E-10
12	5q14.2	rs5580383 2	rs55803832	chr5:81920587	NA	ENSG00000038427	VCAN	A	C	0.468	0.059	1.48E-12
17	6q16.2	rs546897	rs548653	chr6:100132684	1.00	ENSG00000219755	RP1- 199J3.5	A	G	0.884	0.148	3.24E-08
21	8p23.1	rs2572397	rs10481445	chr8:11109269	0.89	ENSG00000255020	AF13121 6.5	T	C	-0.353	0.059	3.09E-08
21	8p23.1	rs2572397	rs2572397	chr8:11176403	NA	ENSG00000255020	AF13121 6.5	G	A	0.383	0.057	7.44E-10
21	8p23.1	rs2572397	rs2251473	chr8:11177126	0.98	ENSG00000255020	AF13121 6.5	C	A	0.377	0.058	1.66E-09
21	8p23.1	rs2572397	rs2572398	chr8:11178093	1.00	ENSG00000255020	AF13121 6.5	A	C	0.380	0.057	1.00E-09
21	8p23.1	rs2572397	rs3808502	chr8:11179458	0.91	ENSG00000255020	AF13121 6.5	G	T	0.374	0.057	1.73E-09
21	8p23.1	rs2572397	rs10481445	chr8:11109269	0.89	ENSG00000254507	RP11- 481A20.1 0	T	C	-0.595	0.093	3.74E-09
21	8p23.1	rs2572397	rs10481445	chr8:11109269	0.89	ENSG00000254507	RP11- 481A20.1 0	T	C	-0.596	0.099	2.55E-08

21	8p23.1	rs2572397	rs10481454	chr8:11109303	0.89	ENSG00000254507	RP11-481A20.1 0	C	G	-0.591	0.087	5.35E-10
21	8p23.1	rs2572397	rs2572397	chr8:11176403	NA	ENSG00000254507	RP11-481A20.1 0	G	A	0.652	0.101	3.40E-09
21	8p23.1	rs2572397	rs2572397	chr8:11176403	NA	ENSG00000254507	RP11-481A20.1 0	G	A	0.597	0.092	2.13E-09
21	8p23.1	rs2572397	rs2251473	chr8:11177126	0.98	ENSG00000254507	RP11-481A20.1 0	C	A	0.661	0.102	2.91E-09
21	8p23.1	rs2572397	rs2251473	chr8:11177126	0.98	ENSG00000254507	RP11-481A20.1 0	C	A	0.603	0.092	1.61E-09
21	8p23.1	rs2572397	rs2572398	chr8:11178093	1.00	ENSG00000254507	RP11-481A20.1 0	A	C	0.607	0.091	1.05E-09
21	8p23.1	rs2572397	rs2572398	chr8:11178093	1.00	ENSG00000254507	RP11-481A20.1 0	A	C	0.651	0.101	3.61E-09
21	8p23.1	rs2572397	rs3808502	chr8:11179458	0.91	ENSG00000254507	RP11-481A20.1 0	G	T	0.651	0.107	2.29E-08

21	8p23.1	rs2572397	rs10481445	chr8:11109269	0.89	ENSG00000255098	RP11-481A20.1 1	T	C	-0.720	0.099	8.27E-11
21	8p23.1	rs2572397	rs10481454	chr8:11109303	0.89	ENSG00000255098	RP11-481A20.1 1	C	G	-0.732	0.098	3.16E-11
21	8p23.1	rs2572397	rs2572397	chr8:11176403	NA	ENSG00000255098	RP11-481A20.1 1	G	A	0.758	0.103	4.34E-11
21	8p23.1	rs2572397	rs2251473	chr8:11177126	0.98	ENSG00000255098	RP11-481A20.1 1	C	A	0.769	0.104	3.32E-11
21	8p23.1	rs2572397	rs2251473	chr8:11177126	0.98	ENSG00000255098	RP11-481A20.1 1	C	A	0.659	0.110	2.13E-08
21	8p23.1	rs2572397	rs2572398	chr8:11178093	1.00	ENSG00000255098	RP11-481A20.1 1	A	C	0.651	0.109	2.82E-08
21	8p23.1	rs2572397	rs2572398	chr8:11178093	1.00	ENSG00000255098	RP11-481A20.1 1	A	C	0.757	0.103	4.57E-11
21	8p23.1	rs2572397	rs3808502	chr8:11179458	0.91	ENSG00000255098	RP11-481A20.1 1	G	T	0.784	0.108	8.25E-11

22	8q24.3	rs6984592	rs7815065	chr8:142039100	1.00	ENSG00000169398	PTK2	T	C	-0.326	0.056	4.67E-08
22	8q24.3	rs6984592	rs35807050	chr8:142040409	0.94	ENSG00000169398	PTK2	A	T	-0.333	0.056	2.58E-08
25	9q34.11	rs3118634	rs3118634	chr9:131905854	NA	ENSG00000119383	PPP2R4	G	A	-0.647	0.068	3.99E-16
25	9q34.11	rs3118634	rs2480452	chr9:131909736	1.00	ENSG00000119383	PPP2R4	C	T	-0.653	0.071	1.44E-15
25	9q34.11	rs3118634	rs3118634	chr9:131905854	NA	ENSG00000204055	RP11-247A12.2	G	A	0.882	0.141	6.18E-09
25	9q34.11	rs3118634	rs2480452	chr9:131909736	1.00	ENSG00000204055	RP11-247A12.2	C	T	0.914	0.144	3.95E-09
25	9q34.11	rs3118634	rs3118634	chr9:131905854	NA	ENSG00000268707	RP11-247A12.7	G	A	1.413	0.124	1.16E-20
25	9q34.11	rs3118634	rs3118634	chr9:131905854	NA	ENSG00000268707	RP11-247A12.7	G	A	1.378	0.123	1.73E-19
25	9q34.11	rs3118634	rs2480452	chr9:131909736	1.00	ENSG00000268707	RP11-247A12.7	C	T	1.460	0.126	3.74E-21
25	9q34.11	rs3118634	rs2480452	chr9:131909736	1.00	ENSG00000268707	RP11-247A12.7	C	T	1.448	0.122	5.90E-21

Sources *GTEx-v7* <https://gtexportal.org/home> for cerebellum and cerebellar hemisphere labelled tissue