

Supplementary Table 13. rs10191329_A association with other traits

Study ID	Trait	Trait Category	P	Beta	Odds Ratio	PMID	Author (Year)	N Cases	N Overall
NEALE2_50_raw	Standing height	measurement	3.69E-18	0.171			UKB Neale v2		360388
NEALE2_20015_raw	Sitting height	measurement	1.08E-12	0.081			UKB Neale v2		360066
NEALE2_1697	Comparative height size at age 10	measurement	8.11E-11	0.014			UKB Neale v2		355331
NEALE2_23129_raw	Trunk fat-free mass	measurement	5.95E-10	0.063			UKB Neale v2		354530
NEALE2_23130_raw	Trunk predicted mass	measurement	8.60E-10	0.060			UKB Neale v2		354494
GCST9000025	Appendicular lean mass	measurement	3.13E-09	0.015		33097823	Pei YF		450243
GCST90002388	Lymphocyte counts	measurement	3.80E-09	-0.016		32888494	Vuckovic D		408112
GCST90002316	Lymphocyte counts	measurement	1.39E-08	-0.014		32888493	Chen MH		524923
GCST90002374	White blood cell count	measurement	1.68E-08	-0.014		32888493	Chen MH		562243
GCST90002340	Monocyte count	measurement	3.20E-08	-0.014		32888493	Chen MH		521594
GCST90002407	White blood cell count	measurement	1.10E-07	-0.015		32888494	Vuckovic D		408112
NEALE2_23126_raw	Arm predicted mass (left)	measurement	1.23E-07	0.007			UKB Neale v2		354653
NEALE2_23101_raw	Whole body fat-free mass	Uncategorised	1.35E-07	0.103			UKB Neale v2		354808
NEALE2_23102_raw	Whole body water mass	measurement	1.38E-07	0.076			UKB Neale v2		354834
NEALE2_46_raw	Hand grip strength (left)	measurement	1.74E-07	0.123			UKB Neale v2		359704
NEALE2_23125_raw	Arm fat-free mass (left)	measurement	3.05E-07	0.008			UKB Neale v2		354668
GCST006288	Heel bone mineral density	measurement	4.50E-07	-0.023		28869591	Kemp JP		142487
NEALE2_47_raw	Hand grip strength (right)	measurement	4.94E-07	0.118			UKB Neale v2		359729
NEALE2_20151_raw	Forced vital capacity (FVC), best measure	measurement	4.97E-07	0.012			UKB Neale v2		272338
NEALE2_23122_raw	Arm predicted mass (right)	measurement	9.45E-07	0.006			UKB Neale v2		354726
NEALE2_23105_raw	Basal metabolic rate	measurement	9.82E-07	12.858			UKB Neale v2		354825
NEALE2_23121_raw	Arm fat-free mass (right)	measurement	1.91E-06	0.007			UKB Neale v2		354732
GCST006250	Intelligence	biological process	1.92E-06	-0.018		29942086	Savage JE		269867
NEALE2_30130_raw	Monocyte count	measurement	7.60E-06	-0.003			UKB Neale v2		349856
GCST90002381	Eosinophil counts	measurement	1.20E-05	-0.012		32888494	Vuckovic D		408112
GCST90000026	Appendicular lean mass	measurement	1.40E-05	0.017		33097823	Pei YF		205513
GCST90002298	Eosinophil counts	measurement	1.76E-05	-0.011		32888493	Chen MH		474237
GCST90002304	Hematocrit	measurement	1.87E-05	-0.010		32888493	Chen MH		562259
NEALE2_20153_raw	Forced expiratory volume in 1-second (fev1), predicted	measurement	2.92E-05	0.005			UKB Neale v2		117241
NEALE2_30150	Eosinophil count	measurement	3.12E-05	-0.010			UKB Neale v2		349856
GCST90000027	Appendicular lean mass	measurement	6.10E-05	0.013		33097823	Pei YF		244730
NEALE2_20018	Prospective memory result	biological process	7.82E-05	0.011			UKB Neale v2		119729
SAIGE_241_2	Nontoxic multinodular goiter	endocrine system disease	8.59E-05	0.285	1.33		UKB SAIGE	680	392109
NEALE2_3062_raw	Forced vital capacity (FVC)	measurement	1.13E-04	0.009			UKB Neale v2		329404
NEALE2_20150_raw	Forced expiratory volume in 1-second (fev1), best measure	measurement	1.49E-04	0.008			UKB Neale v2		272338
NEALE2_4290_raw	Duration screen displayed	Uncategorised	2.15E-04	4.305			UKB Neale v2		119729
SAIGE_756_5	Congenital osteodystrophies	Uncategorised	2.65E-04	0.330	1.39		UKB SAIGE	437	408268
NEALE2_23117_raw	Leg fat-free mass (left)	measurement	2.71E-04	0.014			UKB Neale v2		354771
NEALE2_23113_raw	Leg fat-free mass (right)	measurement	2.72E-04	0.014			UKB Neale v2		354798
GCST90002310	Hemoglobin concentration	measurement	2.73E-04	-0.009		32888493	Chen MH		563946
NEALE2_23114_raw	Leg predicted mass (right)	measurement	2.76E-04	0.013			UKB Neale v2		354798
NEALE2_23118_raw	Leg predicted mass (left)	measurement	2.96E-04	0.013			UKB Neale v2		354766
GCST90002351	Neutrophil count	measurement	3.17E-04	-0.009		32888493	Chen MH		519288
GCST006979	Heel bone mineral density	measurement	3.90E-04	-0.008		30598549	Morris JA		426824
NEALE2_1518	Hot drink temperature	Uncategorised	3.91E-04	-0.006			UKB Neale v2		357256
NEALE2_3063_raw	Forced expiratory volume in 1-second (fev1)	measurement	4.05E-04	0.007			UKB Neale v2		329404
NEALE2_20003_1140871310	Ibuprofen treatment/medication code	Uncategorised	4.24E-04	-0.033	0.97		UKB Neale v2	45005	361141
GCST90002396	Mean reticulocyte volume	measurement	4.40E-04	-0.010		32888494	Vuckovic D		408112
NEALE2_30000_raw	White blood cell (leukocyte) count	measurement	4.43E-04	-0.023			UKB Neale v2		350470
NEALE2_20016_raw	Fluid intelligence score	biological process	4.47E-04	-0.040			UKB Neale v2		117131
GCST90010144	Interleukin-27 levels	measurement	4.53E-04	-0.184		33303764	Gilly A		1301
FINNGEN_R5_ST19_FRACT_SKULL_FACIAL_BONES	Fracture of skull and facial bones	musculoskeletal or connective tissue disease	4.77E-04	0.113	1.12		FINNGEN_R5	3467	199721
NEALE2_1359	Poultry intake	measurement	4.89E-04	0.009			UKB Neale v2		360390
NEALE2_4291	Number of attempts	Uncategorised	5.01E-04	0.047	1.05		UKB Neale v2	23991	119729
NEALE2_20003_1140866236	Spironolactone treatment/medication code	measurement	6.39E-04	0.249	1.28		UKB Neale v2	662	361141
GCST90002412	Low density lipoprotein cholesterol levels	measurement	7.80E-04	-0.008		32493714	Klimentidis YC		431167
NEALE2_2237	Plays computer games	Uncategorised	8.05E-04	-0.005			UKB Neale v2		360817
SAIGE_735_21	Hammer toe (acquired)	musculoskeletal or connective tissue disease	8.54E-04	0.144	1.15		UKB SAIGE	1939	396853
GCST006097	Moderate to vigorous physical activity levels	measurement	9.20E-04	0.010		29899525	Klimentidis YC		377234
SAIGE_756	Other congenital musculoskeletal anomalies	Uncategorised	9.66E-04	0.255	1.29		UKB SAIGE	594	408425
GCST90012110	Sex hormone-binding globulin levels adjusted for BMI	measurement	1.00E-03	-0.004		32042192	Ruth KS		368929
FINNGEN_R5_CD2_BENIGN_MOUTH_NOS_EXALLC	Benign neoplasm: Other and unspecified parts of mouth (all cancers excluded)	cell proliferation disorder	1.01E-03	0.276	1.32		FINNGEN_R5	509	180883
NEALE2_6164_100	None of the above types of physical activity in last 4 weeks	Uncategorised	1.04E-03	-0.043	0.96		UKB Neale v2	21255	359263
SAIGE_295_1	Schizophrenia	Uncategorised	1.04E-03	0.259	1.30		UKB SAIGE	571	366047
SAIGE_735_2	Acquired toe deformities	Uncategorised	1.12E-03	0.087	1.09		UKB SAIGE	5144	400058
FINNGEN_R5_F5_MOOD	Mood [affective] disorders	nervous system disease	1.14E-03	-0.045	0.96		FINNGEN_R5	26572	218792
FINNGEN_R5_CD2_BENIGN_MOUTH_NOS	Benign neoplasm: Other and unspecified parts of mouth	cell proliferation disorder	1.15E-03	0.273	1.31		FINNGEN_R5	509	218792
NEALE2_864	Number of days/week walked 10+ minutes	Uncategorised	1.29E-03	0.019			UKB Neale v2		355030
NEALE2_2149	Lifetime number of sexual partners	Uncategorised	1.39E-03	-0.008			UKB Neale v2		296609
FINNGEN_R5_Q17_CONGEN_MALFO_BREAST	Congenital malformations of breast	phenotype	1.40E-03	0.433	1.54		FINNGEN_R5	196	217679
NEALE2_5496	Leg pain when walking ever disappears while walking	phenotype	1.51E-03	-0.107	0.90		UKB Neale v2	4838	13845
NEALE2_4957	Word interpolation f3	biological process	1.53E-03	-0.048	0.95		UKB Neale v2	18062	116815
NEALE2_22610_0	Rarely/never workplace full of chemical or other fumes	Uncategorised	1.57E-03	0.088	1.09		UKB Neale v2	4986	90344
GCST90002397	Mean spheric corpuscular volume	measurement	1.60E-03	-0.009		32888494	Vuckovic D		408112
NEALE2_21002_raw	Weight	measurement	1.64E-03	0.138			UKB Neale v2		360116
NEALE2_23098_raw	Weight	measurement	1.64E-03	0.139			UKB Neale v2		354838
FINNGEN_R5_F5_BIPO	Bipolar affective disorders	nervous system disease	1.65E-03	-0.102	0.90		FINNGEN_R5	4501	196721
NEALE2_1080	Time spent using computer	Uncategorised	1.67E-03	-0.009			UKB Neale v2		280750
NEALE2_22615_2	Often workplace had a lot of diesel exhaust	Uncategorised	1.79E-03	-0.100	0.91		UKB Neale v2	3483	89104
FINNGEN_R5_TRAUMBRAIN_NONCONCUS	Severe traumatic brain injury, does not include concussion	nervous system disease	1.80E-03	0.106	1.11		FINNGEN_R5	3193	218792
GCST90012111	Sex hormone-binding globulin levels	measurement	1.90E-03	-0.004		32042192	Ruth KS		370125
NEALE2_20425	Ever worried more than most people would in similar situation	phenotype	1.91E-03	-0.042	0.96		UKB Neale v2	25623	98990
FINNGEN_R5_KRA_PSY_MOOD	Mood disorders	nervous system disease	1.96E-03	-0.043	0.96		FINNGEN_R5	26537	218792
FINNGEN_R5_H7_EXOPHTHALMUS	Exophthalmic conditions	phenotype	2.00E-03	0.477	1.61		FINNGEN_R5	151	203382
GCST003498	Verbal-numerical reasoning	biological process	2.00E-03	-0.031		27046643	Davies G		36035
NEALE2_2814	Ever used hormone-replacement therapy (hrt)	Uncategorised	2.09E-03	-0.024	0.98		UKB Neale v2	76179	193606
GCST006572	Cognitive performance	measurement	2.38E-03	-0.011		30038396	Lee JJ		257841
FINNGEN_R5_CD2_BENIGN_MENINGES_NOS	Benign neoplasm: Meninges, unspecified	cell proliferation disorder	2.40E-03	0.397	1.49		FINNGEN_R5	211	218792
FINNGEN_R5_CD2_BENIGN_MENINGES_NOS_EXALLC	Benign neoplasm: Meninges, unspecified (all cancers excluded)	cell proliferation disorder	2.46E-03	0.396	1.49		FINNGEN_R5	211	180913
SAIGE_514	Abnormal findings examination of lungs	Uncategorised	2.68E-03	0.113	1.12		UKB SAIGE	2500	408961
SAIGE_735	Acquired foot deformities	phenotype	2.89E-03	0.058	1.06		UKB SAIGE	9865	404779
GCST006268	Reaction time	measurement	2.90E-03	0.005		29844566	Davies G		330069
SAIGE_502	Postinflammatory pulmonary fibrosis	cell proliferation disorder	2.93E-03	-0.188	0.83		UKB SAIGE	887	398298
NEALE2_6154_2	Ibuprofen (e.g. nurofen) medication for pain relief, constipation, heartburn	Uncategorised	2.95E-03	-0.026	0.97		UKB Neale v2	53049	357084
FINNGEN_R5_F5_DEPRESSIO	Depression	nervous system disease	2.96E-03	-0.043	0.96		FINNGEN_R5	23424	215644
GCST90002398	Neutrophil count	measurement	3.00E-03	-0.008		32888494	Vuckovic D		408112
NEALE2_20128	Number of fluid intelligence questions attempted within time limit	biological process	3.00E-03	-0.014			UKB Neale v2		117131
SAIGE_214_1	Lipoma of skin and subcutaneous tissue	cell proliferation disorder	3.05E-03	-0.083	0.92		UKB SAIGE	4611	406224
SAIGE_442_1	Aortic aneurysm	cardiovascular disease	3.13E-03	0.150	1.16		UKB SAIGE	1374	401969
SAIGE_159_2	Malignant neoplasm of small intestine, including duodenum	cell proliferation disorder	3.20E-03	0.410	1.51		UKB SAIGE	184	393556
GCST90038599	Diabetes or endocrine disease	pancreas disease	3.20E-03	0.002	1.00	33959723	Donertas HM	51949	484598
NEALE2_874_raw	Duration of walks	Uncategorised	3.29E-03	0.774			UKB Neale v2		308989
NEALE2_3148_raw	Heel bone mineral density (bmd)	measurement	3.55E-03	-0.002			UKB Neale v2		206496
NEALE2_30260_raw	Mean reticulocyte volume	Uncategorised	3.60E-03	-0.072			UKB Neale v2		344728
NEALE2_20160	Ever smoked	biological process	3.83E-03	-0.018	0.98		UKB Neale v2	141560	359751
GCST004624	Sum eosinophil basophil counts	measurement	3.84E-03	-0.014		27863252	Astle WJ		171771
GCST90012794	Participation in an health questionnaire (not invited vs invited)	phenotype	4.00E-03	0.003	1.00	33563987	Tyrrell J	336633	451097
FINNGEN_R5_L12_PILONIDALCYST	Pilonidal cyst	phenotype	4.07E-03	-0.145	0.87		FINNGEN_R5	1500	209949
SAIGE_427_2	Atrial fibrillation and flutter	cardiovascular disease	4.16E-03	0.047	1.05		UKB SAIGE	14820	395739
GCST141075	COVID-19 (very severe respiratory confirmed vs population) RELEASE 5	infectious disease	4.20E-03	-0.134	0.87	32404885	COVID-19 Host Genetics Initiative	5101	1388342
NEALE2_30030_raw	Haematocrit percentage	Uncategorised	4.41E-03	-0.026			UKB Neale v2		350475
GCST90011619	OTU97_97 (Clostridiales) prevalence	measurement	4.61E-03	0.117		334622482	Ruhlemann MC		8956
NEALE2_20499	Ever sought or received professional help for mental distress	measurement	4.62E-03	-0.031	0.97		UKB Neale v2	46020	116777
NEALE2_22613_0	Rarely/never worked with paints, thinners or glues	Uncategorised	4.68E-03	0.092	1.10		UKB Neale v2	3593	90389
NEALE2_4294_0	No final attempt correct	Uncategorised	4.70E-03	0.080	1.08		UKB Neale v2	4581	119729
SAIGE_379_9	Pain, swelling or discharge of eye	Uncategorised	4.71E-03	0.408	1.50		UKB SAIGE	170	401415
GCST004606	Eosinophil counts	measurement	4.78E-03	-0.013		27863252	Astle WJ		172725
GCST90000505	Urokinase-type plasminogen activator levels	measurement	4.89E-03	-0.165		32641083	Hillary RF		982
SAIGE_803	Fracture of upper limb	musculoskeletal or connective tissue disease	4.97E-03	0.058	1.06		UKB SAIGE	8521	396286

NEALE2_78_raw	Heel bone mineral density (bmd) t-score, automated	measurement	4.98E-03	-0.014	UKB Neale v2	206589
NEALE2_3147_raw	Heel quantitative ultrasound index (qui), direct entry	measurement	4.98E-03	-0.242	UKB Neale v2	206589

Trait associations were obtained by PheWAS from OpenTargetGenetics (UKB + FinnGen + GWAS Catalog). Significant associations are bolded.