

(a)

	p value	q value	Odds.ratio	Combined score	# of sig. genes in GWAS Catalog
Blood Pressure Determination	2.035e-03	4.681e-02	33.8	210	2
Natriuretic Peptide, Brain	1.874e-02	1.678e-01	58.7	234	1
Brain	3.512e-02	1.678e-01	30.2	101	1
Body Weight Changes	3.512e-02	1.678e-01	30.2	101	1
Glomerular Filtration Rate	4.622e-02	1.678e-01	22.7	69.6	1
Erythrocytes	5.323e-02	1.678e-01	19.5	57.3	1
Hypertrophy, Left Ventricular	5.721e-02	1.678e-01	18.1	51.8	1
Exercise Test	6.906e-02	1.678e-01	14.9	39.7	1
Elbow	7.297e-02	1.678e-01	14	36.7	1
Amyotrophic Lateral Sclerosis	7.688e-02	1.678e-01	13.3	34	1

(b)

	p value	q value	Odds.ratio	Combined score	# of sig. genes in dbGaP
Cholesterol, HDL	8.286e-03	4.142e-02	18.4	88.4	2
Blood Flow Velocity	1.035e-02	4.142e-02	114	521	1
Insulin Resistance	2.297e-02	4.571e-02	50	189	1
Lipoproteins, HDL	2.415e-02	4.571e-02	47.5	177	1
Amyotrophic Lateral Sclerosis	3e-02	4.571e-02	37.9	133	1
Lipids	3.428e-02	4.571e-02	33.1	112	1
Macular Degeneration	4.624e-02	5.285e-02	24.3	74.6	1
Iron	5.998e-02	5.998e-02	18.5	52.1	1

(c)

	p value	q value	Odds.ratio	Combined score	# of sig. genes in GWAS Catalog
Seborrheic dermatitis	3.495e-03	3.146e-02	370	2093	1
QRS duration	1.909e-02	6.966e-02	61.5	244	1
PR interval	2.322e-02	6.966e-02	50.3	189	1
Creatinine levels	3.346e-02	7.244e-02	34.5	117	1
QT interval	4.024e-02	7.244e-02	28.6	91.8	1
Triglycerides	6.266e-02	8.311e-02	18	50	1
Total cholesterol levels	6.464e-02	8.311e-02	17.5	47.8	1
Diastolic blood pressure	2.054e-01	2.085e-01	5	7.91	1
Systolic blood pressure	2.085e-01	2.085e-01	4.91	7.7	1

(d)

	p value	q value	Odds.ratio	Combined score	# of sig. genes in GWAS Catalog
Low density lipoprotein cholesterol levels	1.313e-04	5.199e-03	158	1415	2
Ischemic stroke	3.055e-04	5.199e-03	102	827	2
Stroke	3.627e-04	5.199e-03	93.5	741	2
Metabolite levels	8.363e-04	8.99e-03	60.8	431	2
HDL cholesterol change in response to fenofibrate	1.999e-03	1.719e-02	714	4437	1
Cholesterol efflux capacity	2.797e-03	2.005e-02	476	2798	1
Metabolic syndrome (bivariate traits)	3.595e-03	2.208e-02	357	2008	1
Non-small cell lung cancer	6.383e-03	3.429e-02	190	962	1
C-reactive protein levels or HDL-cholesterol levels (pleiotropy)	7.973e-03	3.429e-02	150	726	1
Cardiovascular disease risk factors	7.973e-03	3.429e-02	150	726	1