

Captions for Supplementary Materials:

Figure 1

Manhattan plots of all 21 GWAS for clinical lab measures and the results of the following ICD-9 based PheWAS. For each of 21 clinical lab measures, the results of associations are marked as -log10 of the p-value in red, with the abbreviation of each clinical lab measure indicated above each plot, abbreviations explained in Table 1. Plotted in blue are $-\log_{10}(p\text{-value})$ from the associations of distinct ICD-9 code based case/control diagnoses. All results are from p-values < 0.01 . The red dashed line in each Manhattan plot is at the Bonferroni corrected p-value of 1.37×10^{-8} for the clinical lab GWAS, and the blue dashed line is the Bonferroni corrected p-value 4.9×10^{-6} for the ICD-9 diagnoses based PheWAS.

Figure 2a

Comparison of significant SNPs between clinical lab measures and ICD-9 code PheWAS. The x-axis has the clinical lab measures and y-axis shows its association p-value with the SNP, where red dots are the top SNPs from clinical lab PheWAS and blue triangle are the same SNPs associated with ICD-9 diagnoses. Table 2 lists what the ICD-9 diagnoses were for each of the clinical lab measures.

Figure 2b

In this chromosomal ideogram, lines link SNP chromosomal locations to colored diamonds (representing clinical lab measures) or circles (representing ICD-9 diagnoses) showing the cross-phenotype associations for the SNPs identified first with associations with clinical lab measures.

Figure 3

Spectrum of phenotypic associations for *LDLR* SNP rs6511720, for PheWAS p-values < 0.01 . This SNP was originally associated in our study with the clinical lab measure of LDL.

Supplementary Table 1

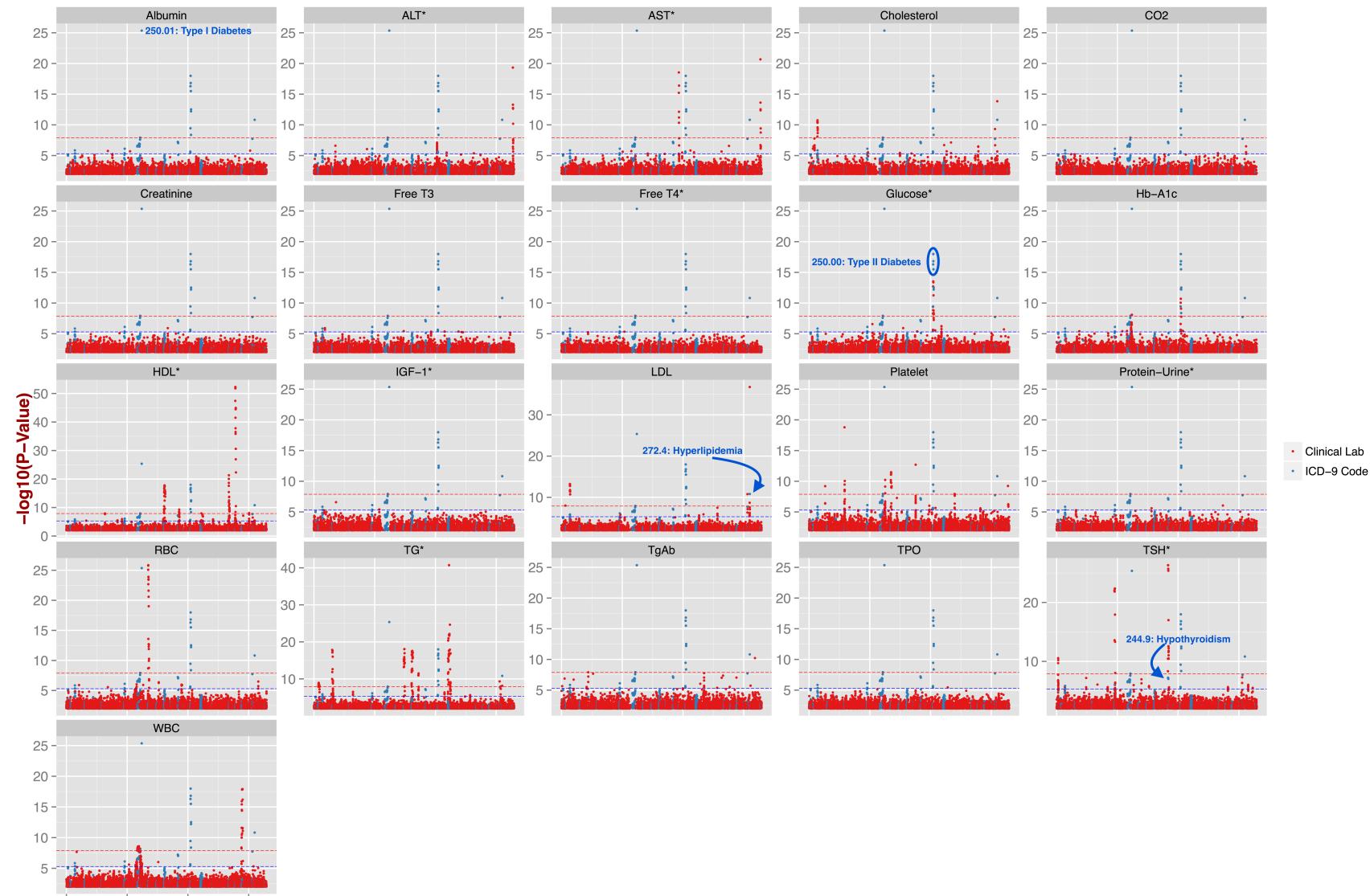
Associations passing our Bonferroni corrected p-value cutoff. The spreadsheet has three tabs: the results of the clinical lab measure GWAS, the results of the ICD-9 based PheWAS, the associations for both combined by SNP.

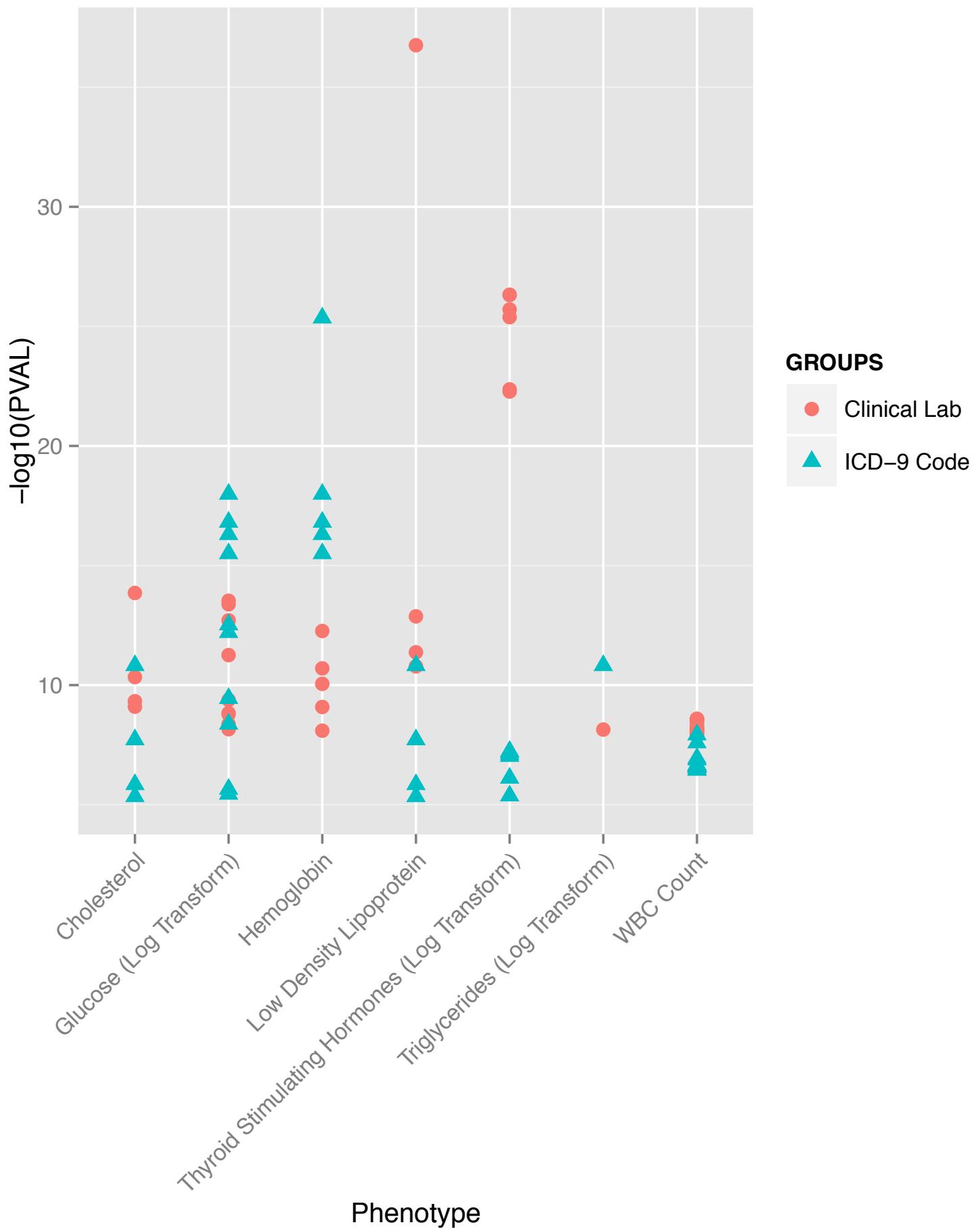
Supplementary Table 2

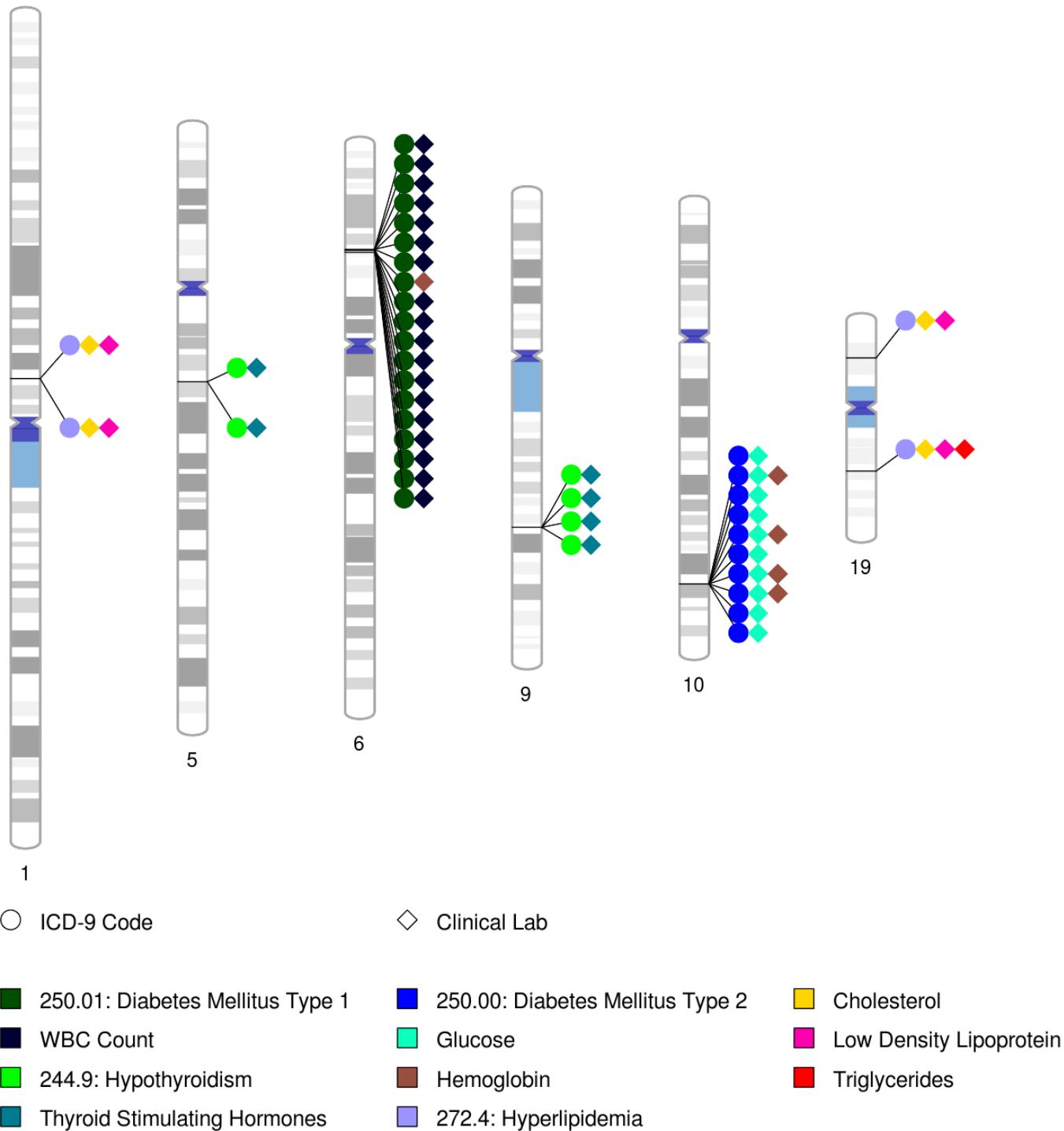
The spreadsheet has two tabs: the clinical lab measures, the ICD-9 code. Each tab provides total number of subjects for the clinical lab measurements, and the total number of cases/controls for the ICD-9 case/control phenotypes. It also includes total number of SNPs passing Bonferroni threshold within each clinical lab measures and ICD-9 codes.

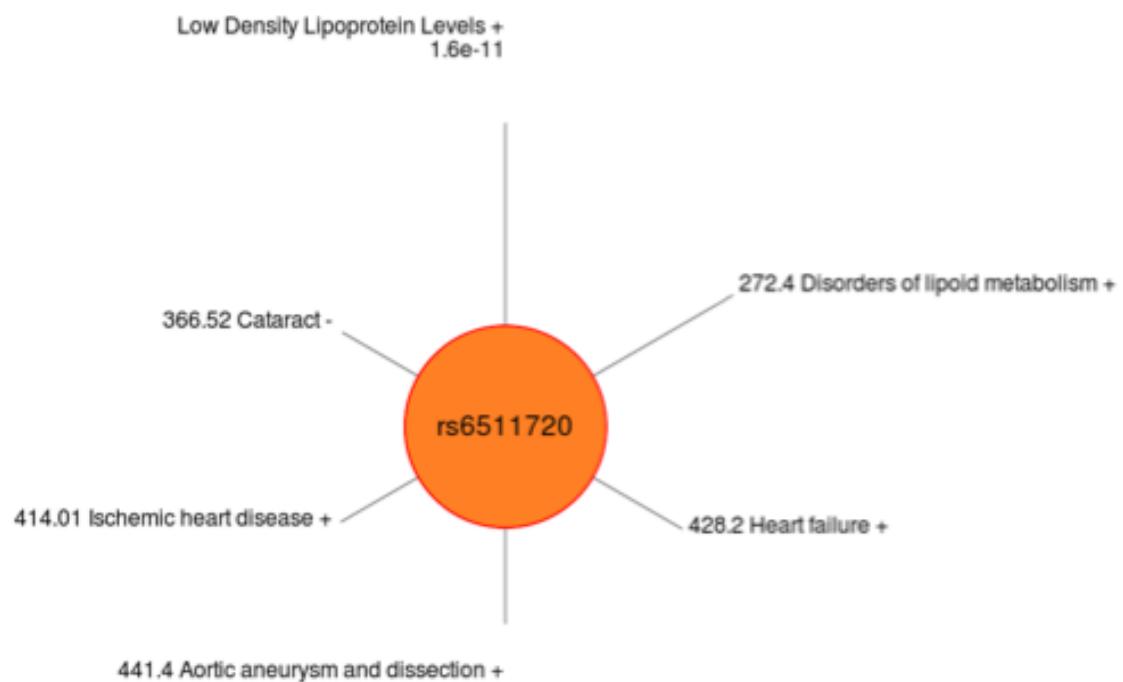
Supplementary Figure

For each clinical lab measure GWAS, there is one Manhattan plot and one quantile-quantile normal plot (QQ-plot). The Manhattan plot on the left shows the p-values from each GWAS, plotted as $-\log(10)$ of the p-value, across all chromosomes. A red line is placed at our Bonferroni corrected p-value cutoff. On the right is a QQ-plot of all p-values from the GWAS (black points), compared to a normal distribution (red line). The calculated lambda (also known as genomic inflation factor) is noted at the top of the QQ plot, strong deviations above "1" for lambda indicate an inflation of significant p-values or strong non-normality of the distribution of p-values of the GWAS.









Bonferroni corrected SNPs in ICD-9 code PheWAS

Gene	SNP	ICD-9 Code	ICD-9 Code Desc	CHR	BP	Allele	Allele Frequency	Cases	Controls	Beta	SE	P-Value	NHGRI GWAS Trait
TCF7L2	rs12243326	250.01	Type II Diabetes Mellitus	10	114788815 T		0.72	3485	8225	-0.25	0.03	6.25E-13	Two-hour glucose challenge
CFB	rs1270942	250.01	Type I Diabetes Mellitus	6	31918860 A		0.91	347	11496	-0.61	0.11	1.32E-07	
VWA7	rs3115671	250.01	Type I Diabetes Mellitus	6	31734345 G		0.91	347	11494	-0.59	0.11	2.27E-07	
MSH5-SAPCD1,MSH5	rs3117574	250.01	Type I Diabetes Mellitus	6	31725230 G		0.91	346	11494	-0.59	0.11	2.29E-07	
MSH5-SAPCD1,MSH5	rs3117577	250.01	Type I Diabetes Mellitus	6	31727474 A		0.91	347	11496	-0.59	0.11	2.21E-07	
APOM	rs3117582	250.01	Type I Diabetes Mellitus	6	31620520 T		0.91	347	11496	-0.58	0.11	3.34E-07	Lung cancer,Lung adenocarcinoma
MSH5-SAPCD1,MSH5	rs3117579	250.01	Type I Diabetes Mellitus	6	31721033 G		0.91	347	11494	-0.59	0.11	2.56E-07	Systemic lupus erythematosus
CLIC1	rs3113183	250.01	Type I Diabetes Mellitus	6	31704294 G		0.91	347	11492	-0.59	0.11	2.86E-07	
	rs445925	272.4	Hyperlipidemia	19	45415640 G		0.89	5965	4581	0.34	0.05	1.51E-11	Cardiovascular disease risk factors,Apolipoprotein Levels,Carotid intima media thickness,Lipoprotein-associated phospholipase A2 activity and mass,Metabolite levels
TCF7L2	rs4506565	250.01	Type II Diabetes Mellitus	10	114756041 A		0.68	3483	8223	-0.29	0.03	1.03E-18	Fasting glucose-related traits,Type 2 diabetes
C2	rs497309	250.01	Type I Diabetes Mellitus	6	31892484 A		0.91	347	11493	-0.59	0.11	2.65E-07	
C2	rs558702	250.01	Type I Diabetes Mellitus	6	31870326 G		0.91	347	11494	-0.61	0.11	1.14E-07	
	rs602633	272.4	Hyperlipidemia	1	109821511 G		0.79	5957	4571	0.18	0.04	4.55E-06	
LDLR	rs6511720	272.4	Hyperlipidemia	19	11202306 G		0.88	5963	4579	0.28	0.05	1.91E-08	LDL cholesterol,Cardiovascular disease risk factors,Cholesterol, total, Metabolite levels,Carotid intima media thickness,Lipoprotein-associated phospholipase A2 activity and mass
TCF7L2	rs7901695	250.01	Type II Diabetes Mellitus	10	114754088 T		0.69	3485	8225	-0.28	0.03	5.01E-17	Type 2 diabetes,Coronary heart disease
TCF7L2	rs7903146	250.01	Type II Diabetes Mellitus	10	114758349 C		0.70	3485	8225	-0.29	0.03	1.53E-17	Type 2 diabetes,Fasting glucose-related traits (interaction with BMI),Glycated hemoglobin levels,Metabolic syndrome,Type 2 diabetes and other traits,Fasting insulin-related traits (interaction with BMI),Proinsulin levels
	rs965513	244.9	Hypothyroidism	9	100556109 G		0.66	1750	9801	0.22	0.04	8.03E-08	Thyroid cancer
VWA7	rs3101017	250.01	Type I Diabetes Mellitus	6	31733466 T		0.91	347	11496	-0.59	0.11	2.54E-07	
PDE8B	rs100375999	244.9	Hypothyroidism	5	76541325 A		0.60	1750	9790	-0.19	0.04	7.71E-07	
	rs10759944	244.9	Hypothyroidism	9	100556972 G		0.66	1751	9801	0.22	0.04	9.48E-08	
TNXB	rs1150753	250.01	Type I Diabetes Mellitus	6	32059867 A		0.91	347	11481	-0.65	0.11	2.56E-08	
TCF7L2	rs12255372	250.01	Type II Diabetes Mellitus	10	114808902 G		0.71	3485	8225	-0.25	0.03	2.99E-13	
	rs1269852	250.01	Type I Diabetes Mellitus	6	32080191 G		0.91	347	11496	-0.66	0.11	1.19E-08	
PDE8B	rs1382879	244.9	Hypothyroidism	5	76521868 T		0.60	1747	9788	-0.18	0.04	4.24E-06	
	rs1443438	244.9	Hypothyroidism	9	100550028 C		0.66	1751	9801	0.22	0.04	6.67E-08	Obesity-related traits
	rs3101018	250.01	Type I Diabetes Mellitus	6	31705864 C		0.91	347	11496	-0.59	0.11	2.45E-07	
MSH5-SAPCD1,MSH5	rs3130484	250.01	Type I Diabetes Mellitus	6	31715882 T		0.91	347	11496	-0.59	0.11	2.17E-07	
MSH5-SAPCD1,MSH5	rs3131378	250.01	Type I Diabetes Mellitus	6	31725285 A		0.91	347	11496	-0.59	0.11	2.54E-07	
MSH5-SAPCD1,MSH5	rs3132445	250.01	Type I Diabetes Mellitus	6	31712196 G		0.91	347	11496	-0.59	0.11	2.58E-07	
TCF7L2	rs4074720	250	Type II Diabetes Mellitus	10	114748497 C		0.53	3484	8225	-0.19	0.03	3.58E-10	
TCF7L2	rs4132670	250	Type II Diabetes Mellitus	10	114767771 G		0.68	3481	8222	-0.27	0.03	3.16E-16	
C2	rs519417	250.01	Type I Diabetes Mellitus	6	31878433 G		0.91	347	11492	-0.59	0.11	3.60E-07	
TCF7L2	rs6585196	250	Type II Diabetes Mellitus	10	114737050 T		0.63	3479	8202	0.15	0.03	3.60E-06	
TCF7L2	rs6585201	250	Type II Diabetes Mellitus	10	114768783 G		0.54	3484	8223	-0.18	0.03	4.24E-09	
CELR2	rs660240	272.4	Hyperlipidemia	1	109817838 C		0.79	5965	4581	0.19	0.04	1.43E-06	LDL cholesterol,Cardiovascular disease risk factors
	rs7850258	244.9	Hypothyroidism	9	100549013 G		0.66	1751	9801	0.22	0.04	5.85E-08	Hypothyroidism
TCF7L2	rs7901275	250	Type II Diabetes Mellitus	10	114732906 A		0.54	3485	8226	-0.15	0.03	2.24E-06	
CSNK2B	rs9267531	250.01	Type I Diabetes Mellitus	6	31636742 A		0.91	347	11496	-0.59	0.11	2.48E-07	
	rs9273363	250.01	Type I Diabetes Mellitus	6	32626272 C		0.74	347	11489	-0.85	0.08	4.40E-26	

Number of Cases for each Clinical Lab Measure

Clinical Lab Measure	Number of Cases	Number of SNPs passing Bonferroni threshold
ALANINEAMINO TRANSFERASE_Log_Transform	11007	5
ALBUMIN-BLOOD	10804	0
ASPARTATEAMINO TRANSFERASE_Log_Transform	10838	12
BICARBONATE(HCO3)	937	0
CARBON DIOXIDE(CO2)	11570	0
CHOLESTEROL-BLOOD	9295	12
CREATININE-BLOOD-MASS_VOLUME	5215	0
FREE_T3	2152	0
FREE_T4_Log_Transformed	3562	0
GLUCOSE_Log_Transformed	8899	10
HEMOGLOBIN1C	6501	5
HIGHDENSITYLIPOPROTEIN_Log_Transformed	9330	66
INSULIN-LIKE GROWTHFACTOR1_Log_Transformed	206	0
LOWDENSITYLIPOPROTEIN	9237	14
PLATELET-BLOOD-COUNT	11545	25
PROTEIN-URINE_Log_Transformed	2034	0
RBC-COUNT-BLOOD	11599	20
THYROGLOBULINANTIBODY	819	2
THYROIDPeroxidaseantibody_Log_Transformed	943	0
THYROIDSTIMULATINGHORMONE_Log_Transformed	9531	25
TRIGLYCERIDES-BLOOD_Log_Transform	9330	112
WBC-COUNT-BLOOD	11597	39

Case-Control number based on phenotype information for each ICD-9 code used in analysis

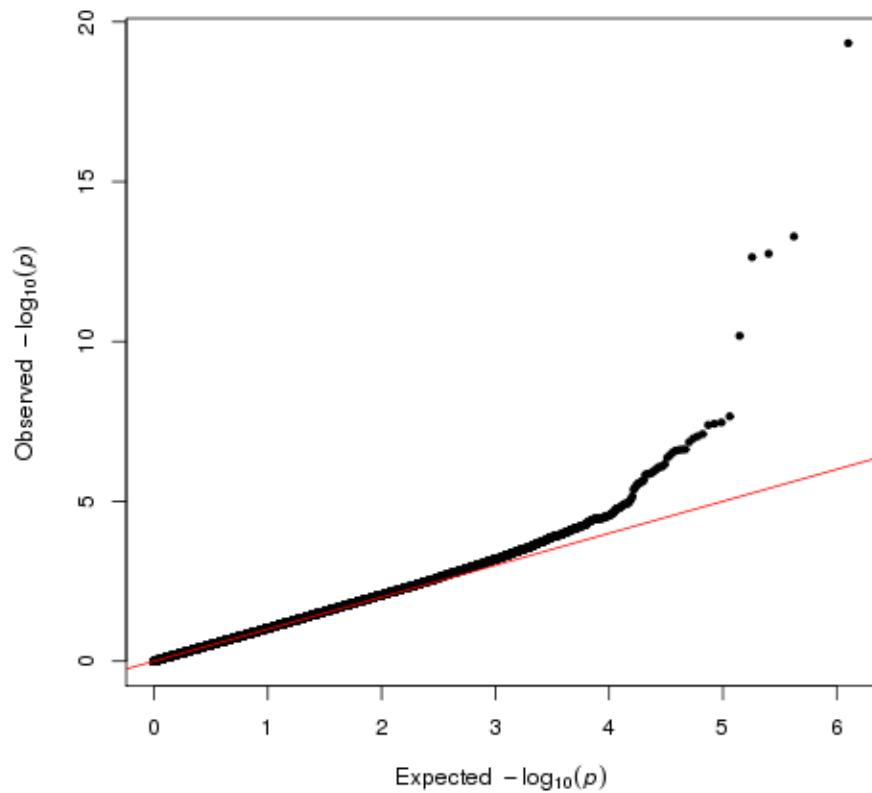
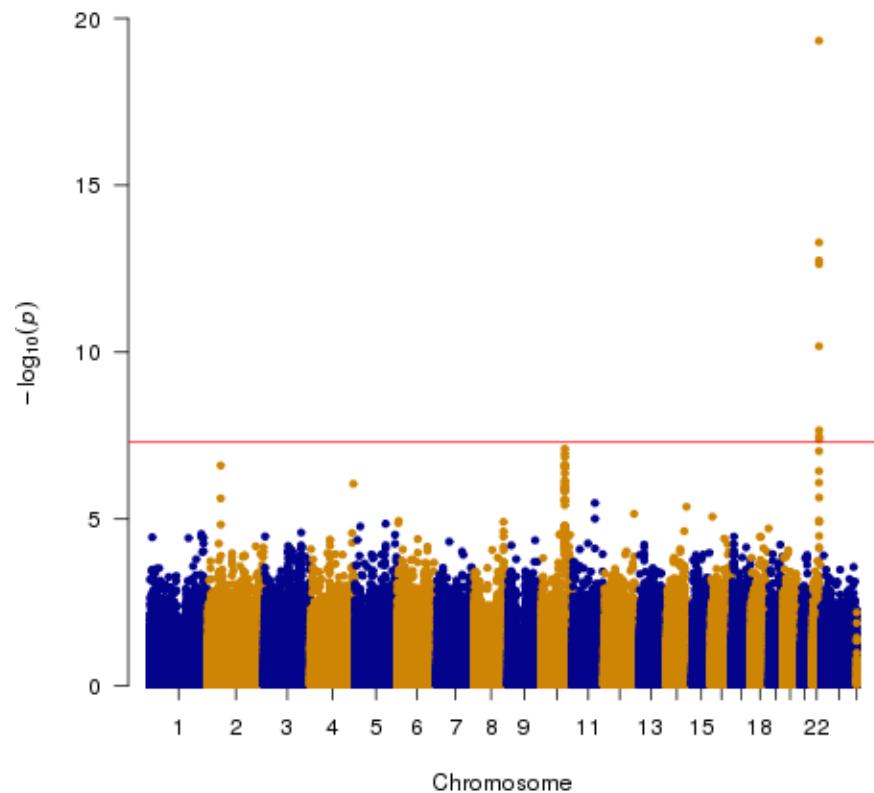
ICD-9 Code	ICD-9 Description	Cases	Controls	Number of SNPs Passing Bonferroni Threshold
110.1	Dermatophytosis Of Nail	338	11873	0
112.1	Candidal Vulvovaginitis	220	11991	0
185	Malignant Neoplasm Of Prostate	307	11904	0
211.3	Benign Neoplasm Of Colon	444	11767	0
238.2	Neoplasm Of Uncertain Behavior Of Skin	710	11501	0
244.9	Hypothyroidism Nos	1733	10458	6
250	Type II Diabetes Mellitus [Non-Insulin Dependent Type] [N	3486	8725	12
250.01	Type I Diabetes Mellitus [Insulin Dependent Type] [Iddm] [348	11863	122
250.4	Diabetes Mellitus Type II [Non-Insulin Dependent Type] [N	540	11671	0
250.6	Diabetes Mellitus Type II [Non-Insulin Dependent Type] [N	351	11860	0
268.9	Vitamin D Deficiency Nos	1556	10655	0
272.1	Pure Hyperglyceridemia	207	12004	0
272.2	Mixed Hyperlipidemia	998	11213	0
272.4	Other And Unspecified Hyperlipidemia	5958	6243	4
274.9	Gout Nos	431	11780	0
276.8	Hypopotasssemia	222	11989	0
278	Obesity Nos	1560	10651	0
278.01	Morbid Obesity	1845	10366	0
280.9	Iron Deficiency Anemia, Unspecified	366	11845	0
285.9	Anemia Nos	895	11316	0
300	Anxiety State Nos	1327	10884	0
300.01	Panic Disorder Without Agoraphobia	202	12009	0
300.02	Generalized Anxiety Disorder	663	11548	0
305.1	Tobacco Use Disorder	1656	10555	0
309	Adjustment Disorder With Depressed Mood	785	11426	0
311	Depressive Disorder, Nec	2490	9721	0
322.23	Obstructive Sleep Apnea	891	11320	0
333.94	Restless Legs Syndrome	269	11942	0
346	Migraine With Aura, Without Mention Of Intractable Migraine	248	11963	0
346.1	Migraine Without Aura, Without Mention Of Intractable Migraine	250	11961	0
346.9	Migraine, Unspecified, Without Mention Of Intractable Migraine	367	11844	0
354	Carpal Tunnel Syndrome	595	11616	0
357.2	Polyneuropathy In Diabetes	335	11876	0
365	Pseudoglioma, Unspecified	358	11853	0
365.11	Primary Open Angle Glaucoma	261	11950	0
366.1	Senile Cataract, Unspecified	237	11974	0
366.15	Cortical Senile Cataract	394	11817	0
366.16	Senile Nuclear Cataract	976	11235	0
366.52	Other After-Cataract, Not Obscuring Vision	727	11484	0
367.4	Presbyopia	1014	11197	0
367.9	Unspecified Disorder Of Refraction And Accommodation	1698	10513	0
373	Blepharitis Nos	214	11997	0
375.15	Tear Film Insuffic Nos	310	11901	0
379.21	Vitreous Degeneration	245	11966	0
380.4	Impacted Cerumen	413	11798	0
389.1	Sensorineural Hearing Loss, Unspecified	263	11948	0
389.9	Hearing Loss, Nos	259	11952	0
401.9	Hypertension Nos	6091	6120	0
402.9	Unspecified Hypertensive Heart Disease Without Heart Failure	324	11887	0
412	Old Myocardial Infarction	337	11874	0
413.9	Other And Unspecified Angina Pectoris	383	11828	0
414	Coronary Atherosclerosis Of Unspecified Type Of Vessel, N	1594	10617	0
414.01	Coronary Atherosclerosis Of Native Coronary Artery	999	11212	0
414.8	Other Specified Forms Of Chronic Ischemic Heart Disease	316	11895	0
414.9	Chronic Ischemic Heart Disease, Unspecified	575	11636	0
415.19	Other Pulmonary Embolism And Infarction	217	11994	0
424	Mitral Valve Disorder	353	11858	0
424.1	Aortic Valve Disorder	591	11620	0
427.31	Atrial Fibrillation	1041	11170	0
428	Cff Nos	299	11912	0

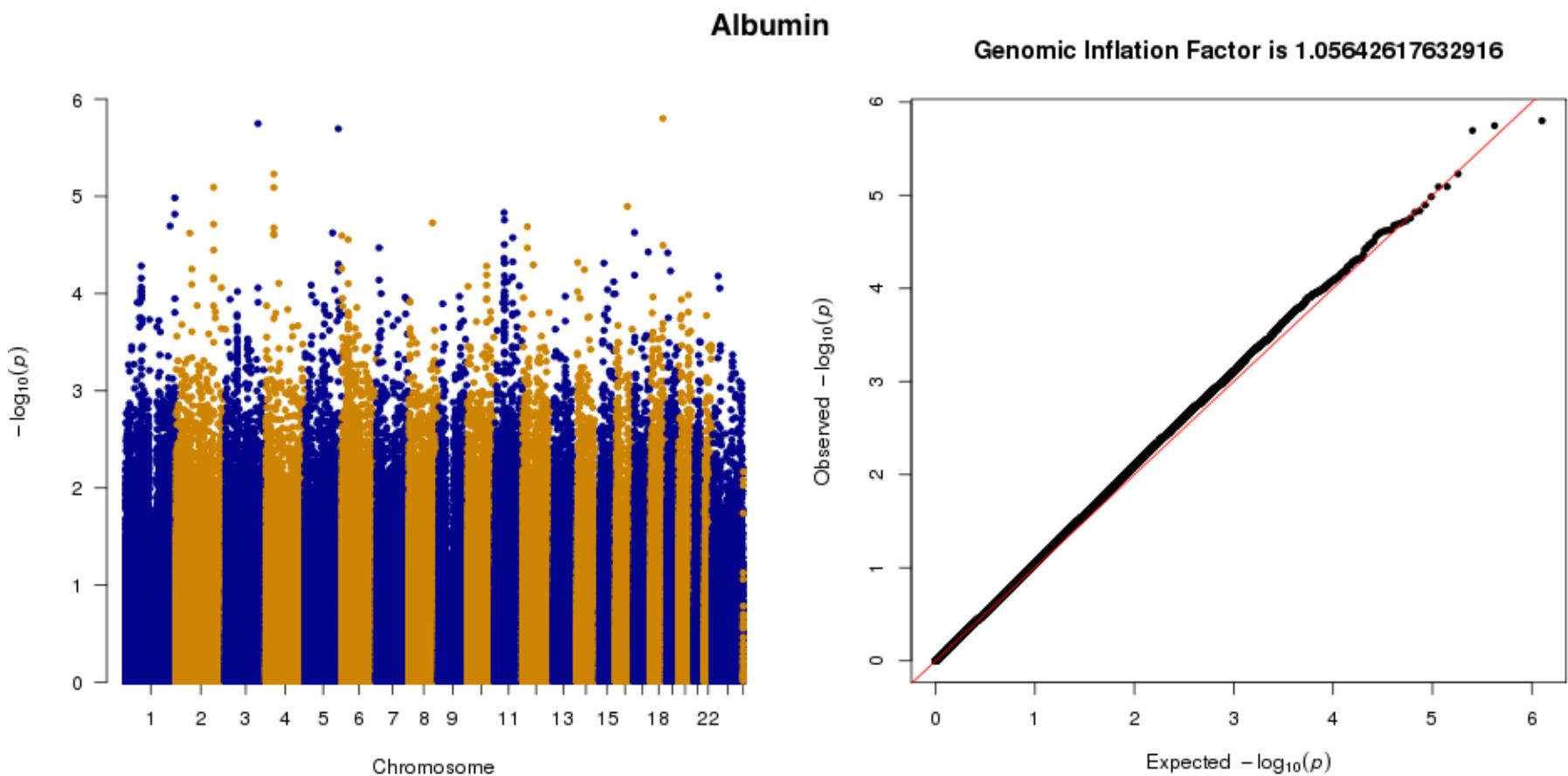
428.2 Systolic Heart Failure, Unspecified	0	353	11858
428.9 Heart Failure Nos	0	417	11794
429.2 Ascvd	0	401	11810
433.1 Occlusion And Stenosis Of Carotid Artery, Without Mention Of Cerebral Ischemia	0	646	11565
435.9 Unspecified Transient Cerebral Ischemia	0	225	11986
436 Acute, But Ill-Defined Cerebrovascular Disease	0	229	11982
437 Cerebral Atherosclerosis	0	277	11934
440.21 Atherosclerosis Of Native Arteries Of The Extremities With Rupture	0	399	11812
441.4 Abdominal Aortic Aneurysm Without Mention Of Rupture	0	512	11699
443.9 Peripheral Vascular Disease, Unspecified	0	648	11563
459.81 Venous Insufficiency Nos	0	212	11999
461.9 Acute Sinusitis Nos	0	2310	9901
462 Acute Pharyngitis	0	621	11590
465.9 Acute Upper Respiratory Infections Of Unspecified Site	0	696	11515
466 Acute Bronchitis	0	1477	10734
472 Chronic Rhinitis	0	411	11800
477.8 Allergic Rhinitis Due To Other Allergen	0	392	11819
477.9 Allergic Rhinitis Nos	0	1095	11116
491.21 Obstructive Chronic Bronchitis With (Acute) Exacerbation	0	282	11929
492.8 Other Emphysema	0	271	11940
493.9 Asthma, Unspecified Type, Without Mention Of Status Asthma	0	1269	10942
496 Chronic Airway Obstruction, Not Elsewhere Classified	0	1022	11189
530.11 Reflux Esophagitis	0	378	11833
530.81 Esophageal Reflux	0	2919	9292
564.1 Irritable Bowel Syndrome	0	354	11857
564.2 Postgastric Surgery Syndromes	0	385	11826
579.3 Other And Unspecified Postsurgical Nonabsorption	0	594	11617
585.3 Chronic Kidney Disease, Stage Iii (Moderate)	0	1417	10794
585.4 Chronic Kidney Disease, Stage Iv (Severe)	0	271	11940
585.9 Chronic Kidney Disease, Unspecified	0	228	11983
592 Calculus Of Kidney	0	393	11818
599 Urinary Tract Infection, Site Not Specified	0	621	11590
600 Hypertrophy (Benign) Of Prostate Without Urinary Obstruction	0	425	11786
600.01 Hypertrophy (Benign) Of Prostate With Urinary Obstruction	0	371	11840
607.84 Impotence Of Organic Origin	0	547	11664
616.1 Vaginitis Nos	0	228	11983
625.6 Stress Incontinence, Female	0	248	11963
626.2 Excessive Or Frequent Menstruation	0	305	11906
627.3 Postmenopausal Atrophic Vaginitis	0	227	11984
682.6 Cellulitis And Abscess Of Leg, Except Foot	0	254	11957
692.9 Contact Dermatitis And Other Eczema, Unspecified Cause	0	1403	10808
695.3 Rosacea	0	220	11991
696.1 Other Psoriasis And Similar Disorders Excluding Psoriatic Arthritis	0	218	11993
702 Actinic Keratosis	0	718	11493
702.19 Other Seborrheic Keratoses	0	261	11950
706.1 Other Acne	0	225	11986
706.2 Sebaceous Cyst	0	210	12001
714 Rheumatoid Arthritis	0	429	11782
715 Osteoarthritis, Generalized, Involving Unspecified Site	0	915	11296
715.16 Osteoarthritis, Localized, Primary, Involving Lower Leg	0	418	11793
715.9 Osteoarthritis, Unspecified Whether Generalized Or Local	0	265	11946
715.36 Osteoarthritis, Unspecified Whether Generalized Or Local	0	794	11417
719.41 Pain In Joint Involving Shoulder Region	0	817	11394
719.45 Pain In Joint Involving Pelvic Region And Thigh	0	341	11870
719.46 Pain In Joint Involving Lower Leg	0	1260	10951
719.47 Pain In Joint Involving Ankle And Foot	0	293	11918
721.3 Lumbosacral Spondylosis Without Myelopathy	0	242	11969
722 Displacement Of Cervical Intervertebral Disc Without Myelopathy	0	293	11918
722.1 Displacement Of Lumbar Intervertebral Disc Without Myelopathy	0	616	11595
722.52 Degeneration Of Lumbar Or Lumbosacral Intervertebral Disk	0	431	11780
722.53 Other And Unspecified Disc Disorder Of Lumbar Region	0	244	11967
723.1 Cervicalgia	0	825	11386
724.02 Spinal Stenosis Of Lumbar Region	0	520	11691

724.2	Lumbago	996
724.3	Sciatica	455
724.4	Thoracic Or Lumbar Sacral Neuritis Or Radiculitis, Unspecified	455
724.5	Backache Nos	656
726.1	Disorders Of Bursae And Tendons In Shoulder Region, Uns	11555
726.2	Disorders Of Bursae And Tendons In Shoulder Region, Uns	1579
726.3	Disorders Of Bursae And Tendons In Shoulder Region, Uns	10632
726.4	Thoracic Or Lumbar Sacral Neuritis Or Radiculitis, Unspecified	388
726.5	Eritisopathy Of Hip Region	11823
727.0	Trigger Finger	287
727.1	Plantar Fascial Fibromatosis	250
727.2	Osteoporosis Nos	228
727.3	Other Osteoporosis	207
727.4	Spasm Of Muscle	207
729.1	Myalgia And Myositis Nos	771
729.5	Pain In Limb	1508
733	Osteoporosis Nos	959
733.0	Other Osteoporosis	295
733.09	Other Osteoporosis	11916
738.0	Syncope And Collapse	240
738.0.1	Dizziness And Giddiness	596
738.0.2	Insomnia Nos	665
738.0.52	Insomnia Nos	11615
738.0.57	Unspecified Sleep Apnea	665
738.0.57	Unspecified Sleep Apnea	11546
738.0.57	Unspecified Sleep Apnea	679
738.0.57	Unspecified Sleep Apnea	11532
738.0.79	Other Malaise And Fatigue	1125
738.1.2	Abnormality Of Gait	211
738.2	Disturbance Of Skin Sensation	298
738.2.3	Edema	1170
738.2.3	Edema	11041
738.2.3	Edema	11246
738.5.1	Palpitations	351
7386.05	Shortness Of Breath	483
7386.09	Other Dyspnea And Respiratory Abnormality	627
7386.5	Chest Pain Nos	1099
7386.59	Chest Pain Nec	944
7387.02	Nausea Alone	11267
7387.91	Diarrhea	414
7388.1	Dysuria	414
7388.3	Urinary Incontinence Nos	11797
7388.41	Urinary Frequency	234
7388.43	Nocturia	11977
7389.01	Abdominal Pain, Unspecified Site	487
7389.06	Abdominal Pain, Epigastric	11724
7389.07	Abdominal Pain, Generalized	532
7390.21	Impaired Fasting Glucose	11679
7390.6	Other Abnormal Blood Chemistry	220
7390.93	Elevated Prostate Specific Antigen [Psa]	11991
7391	Proteinuria	269
7396.2	Elevated Blood Pressure Reading Without Diagnosis Of Hyp	11942
740.0	Other	205

Alanine Amino Tranferase (Log Transform)

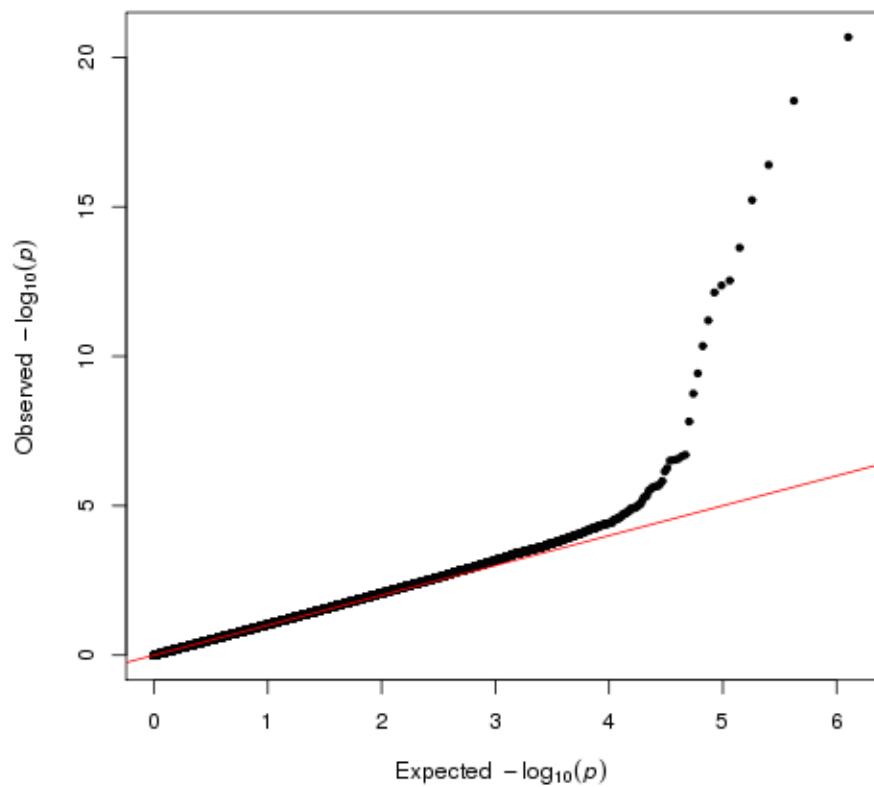
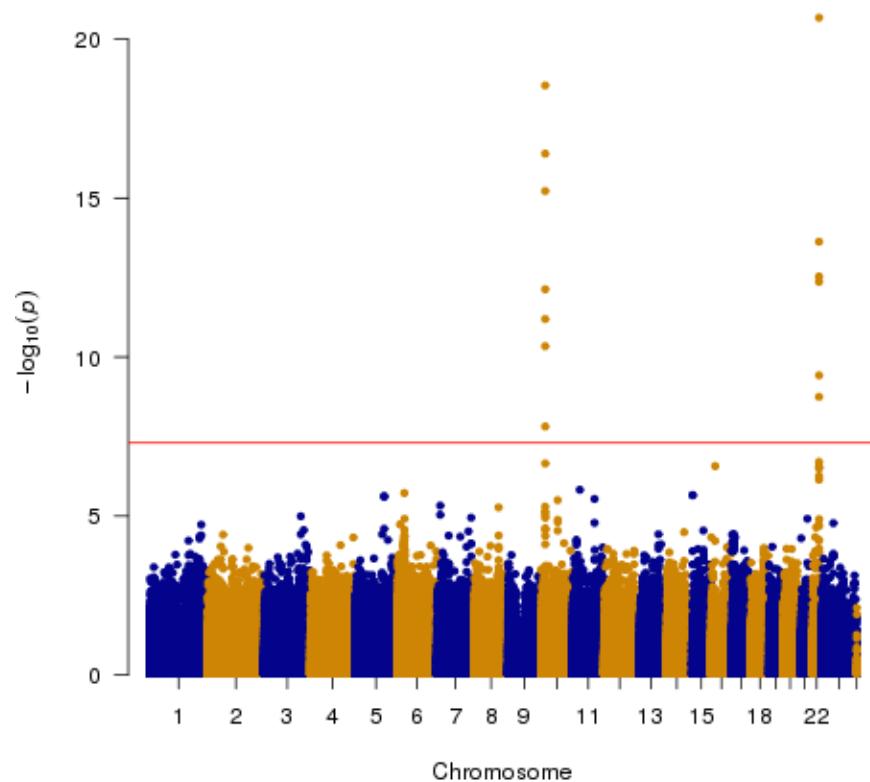
Genomic Inflation Factor is 1.05177536762139

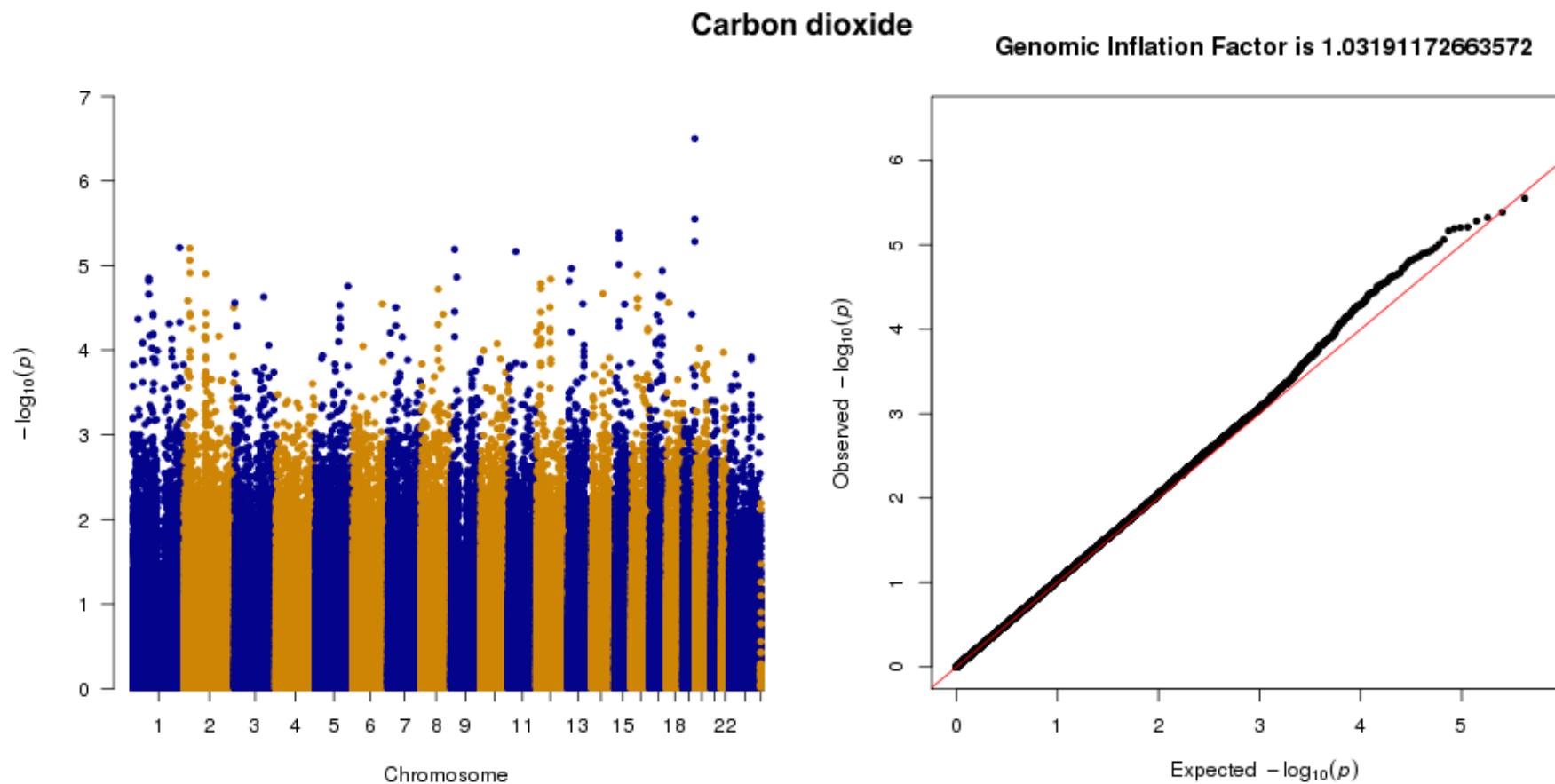


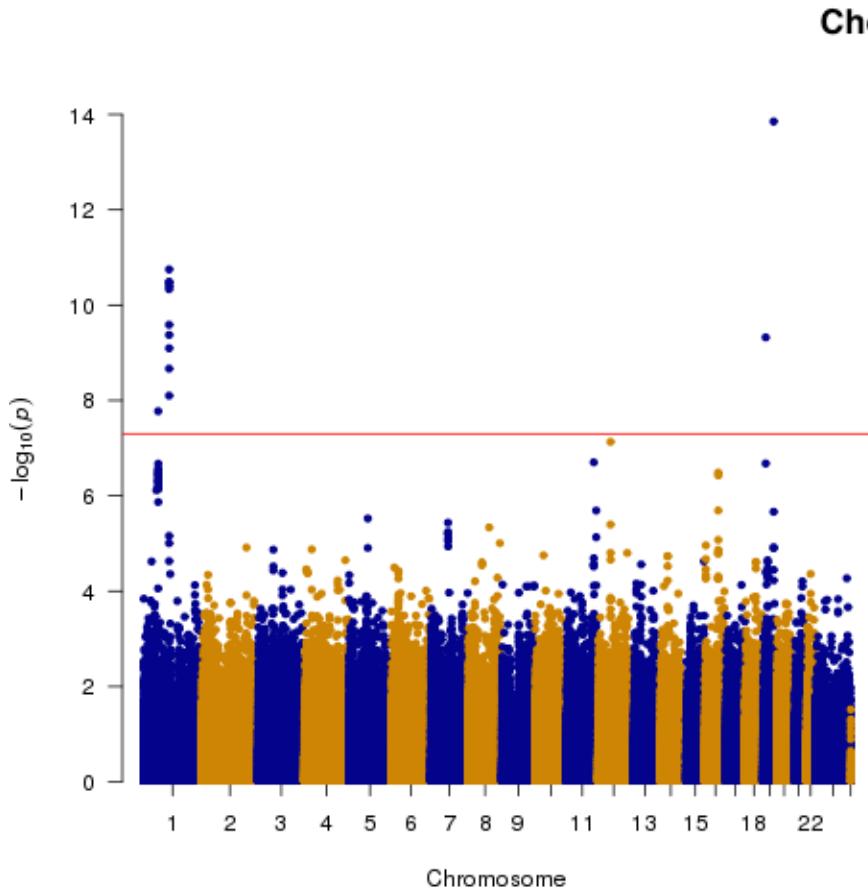


Aspartate Amino Transferase

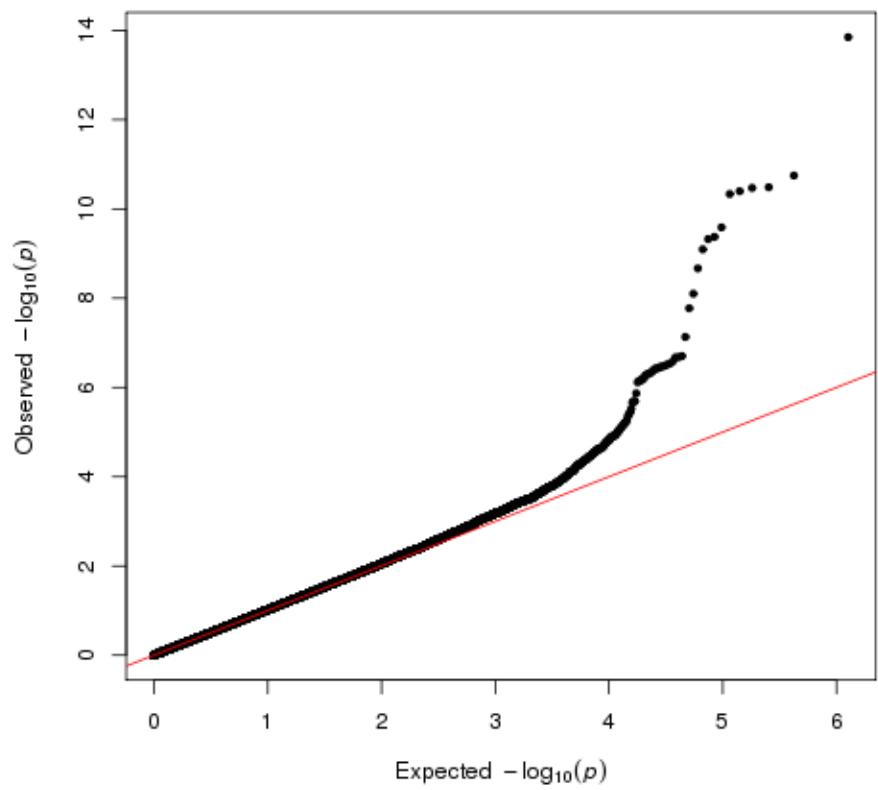
Genomic Inflation Factor is 1.04834340569528

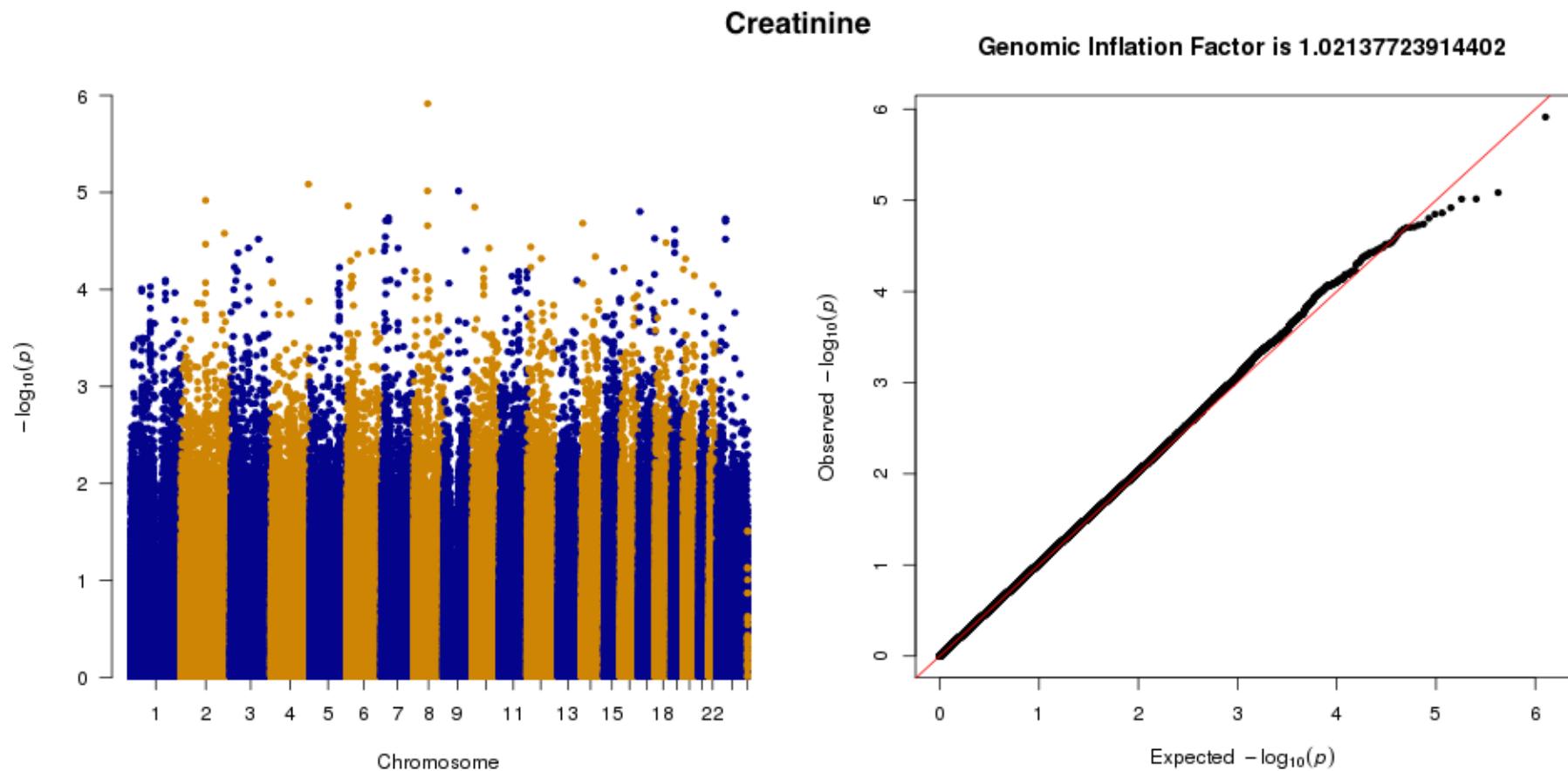






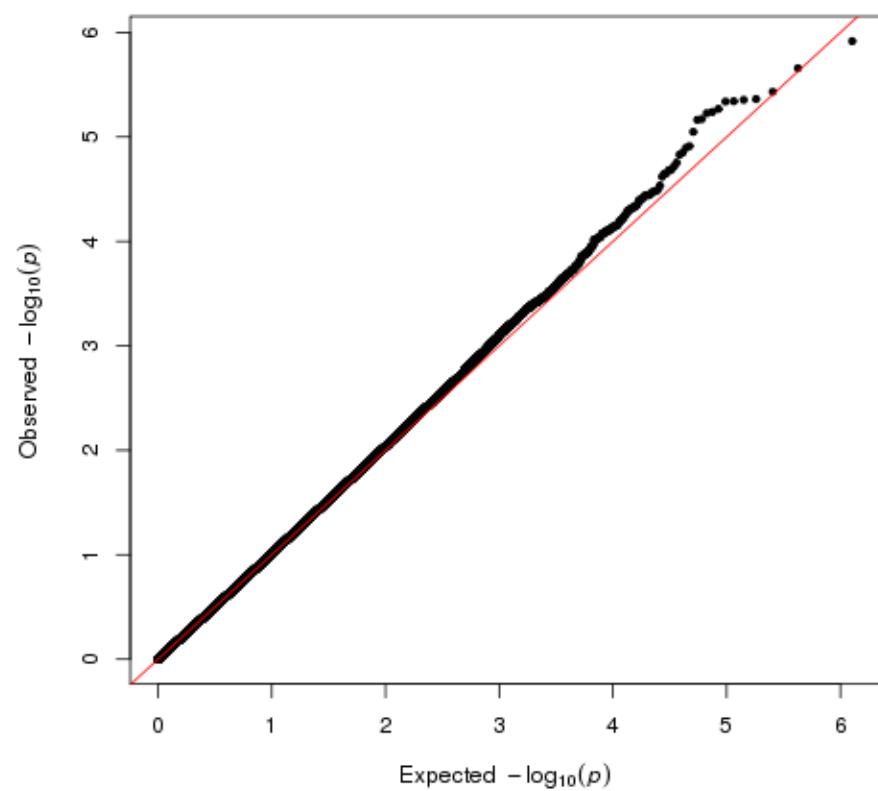
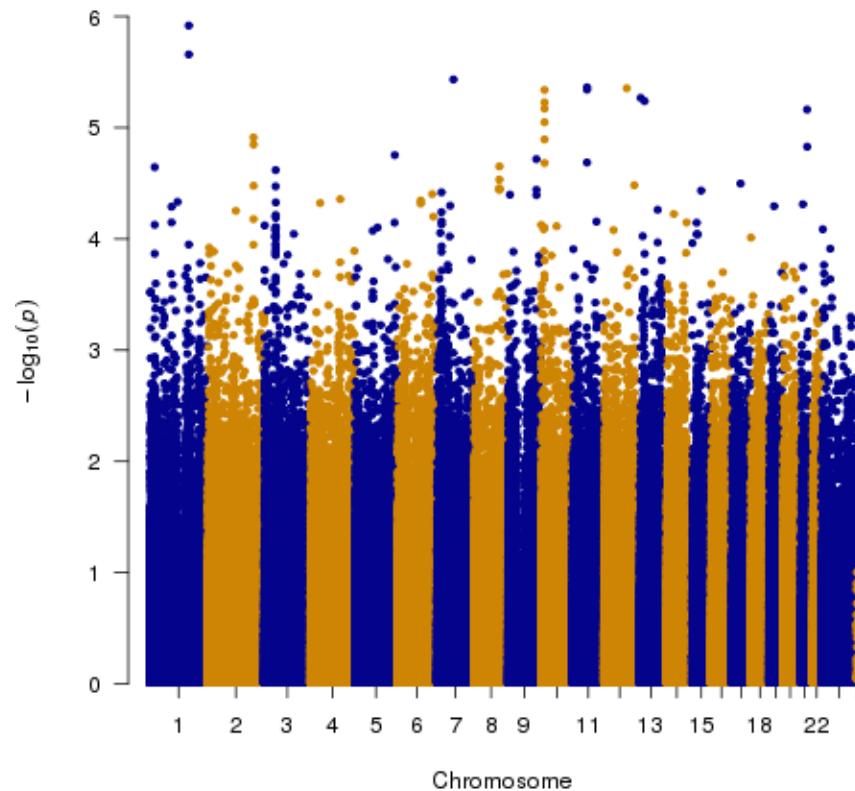
Genomic Inflation Factor is 1.03861543949955





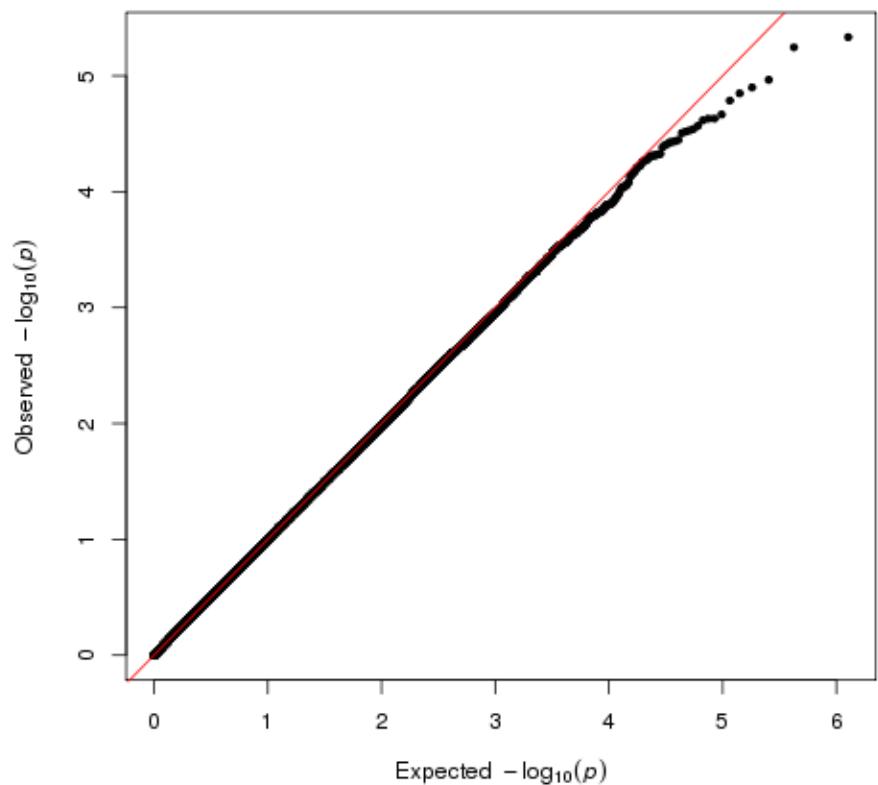
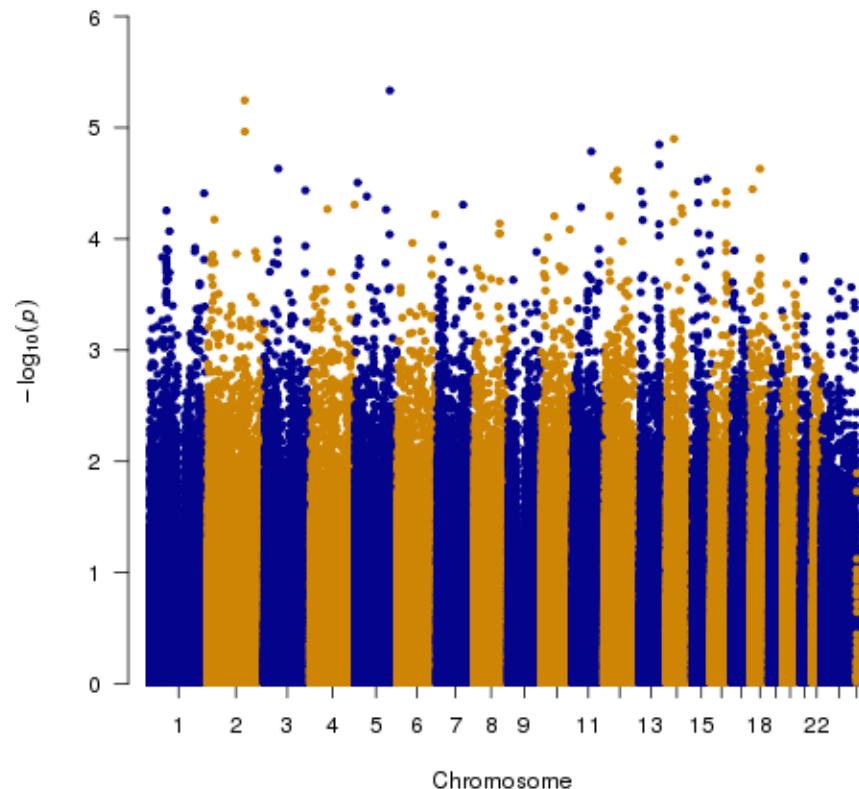
Free T3

Genomic Inflation Factor is 1.01909752408458



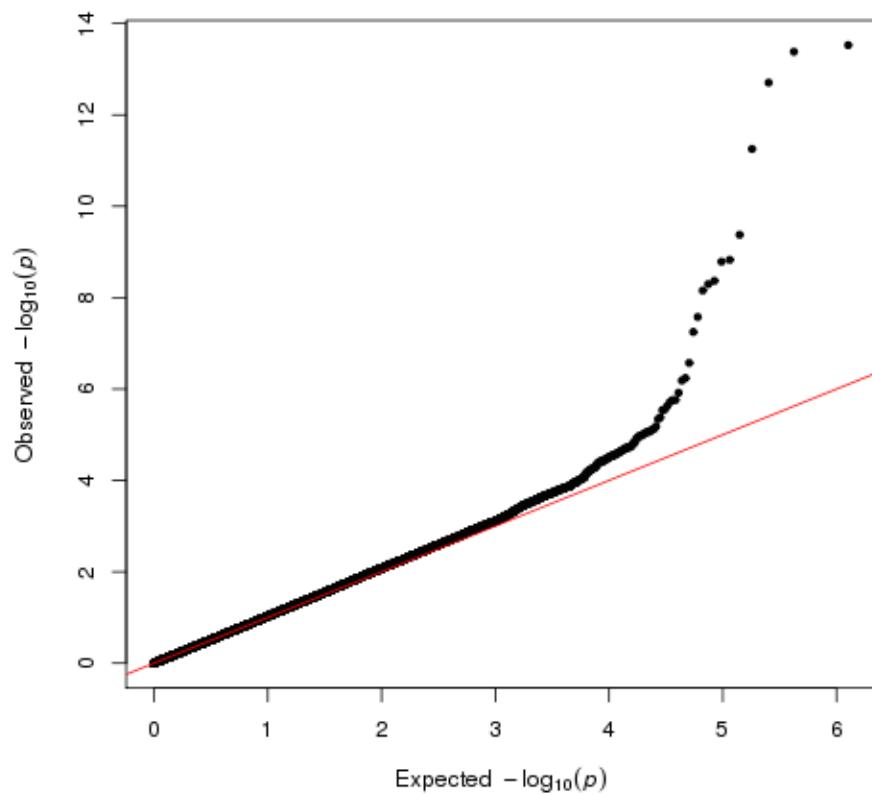
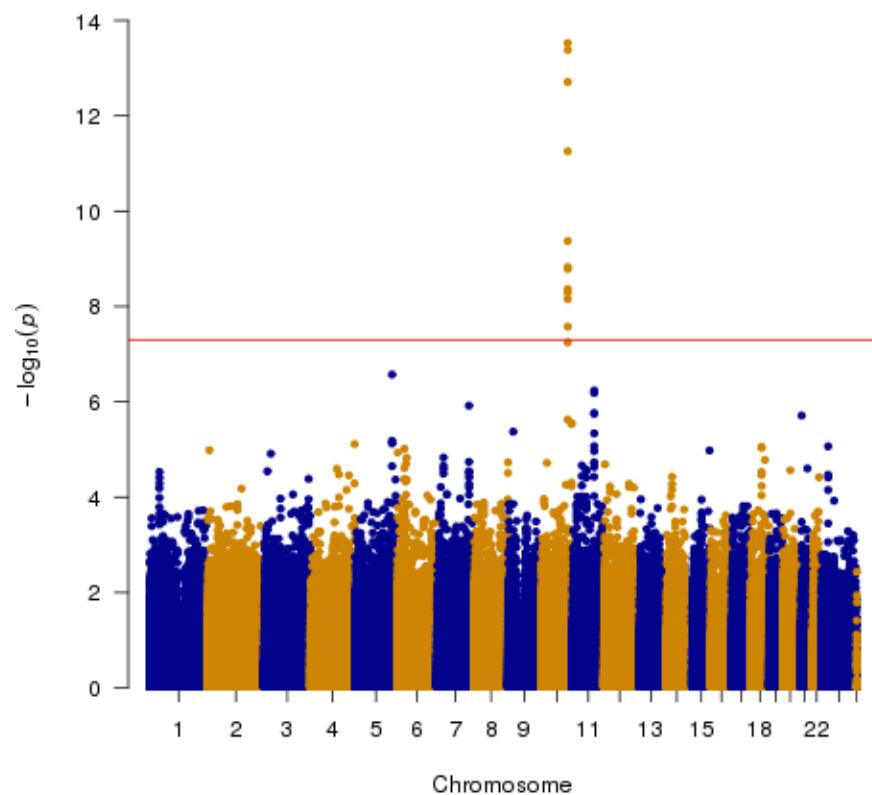
Free T4 (Log Transform)

Genomic Inflation Factor is 0.994634136933098



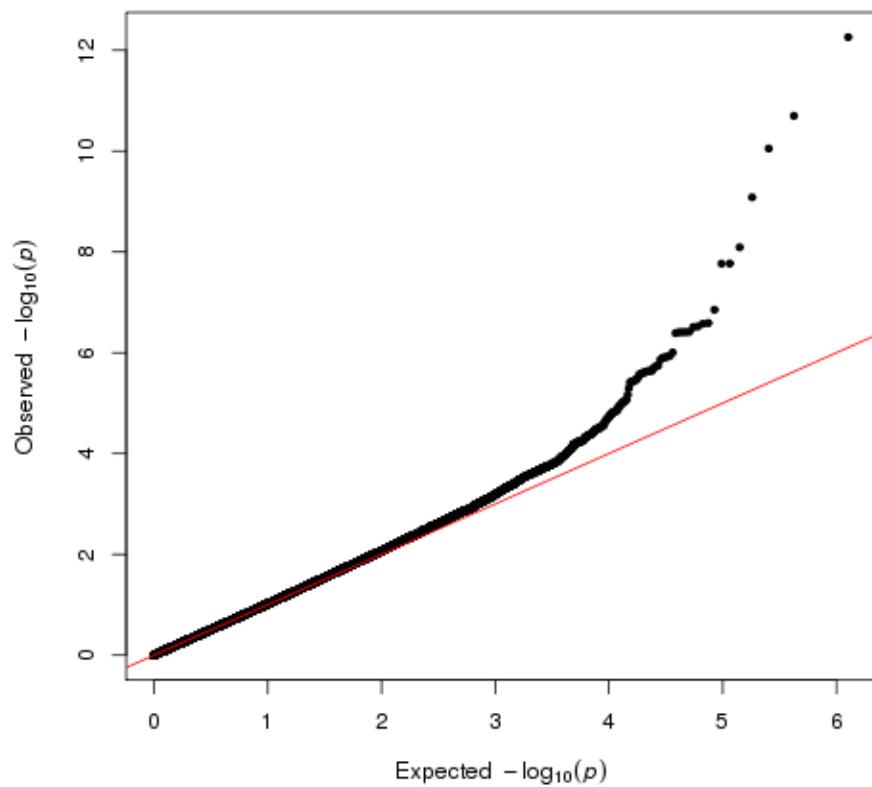
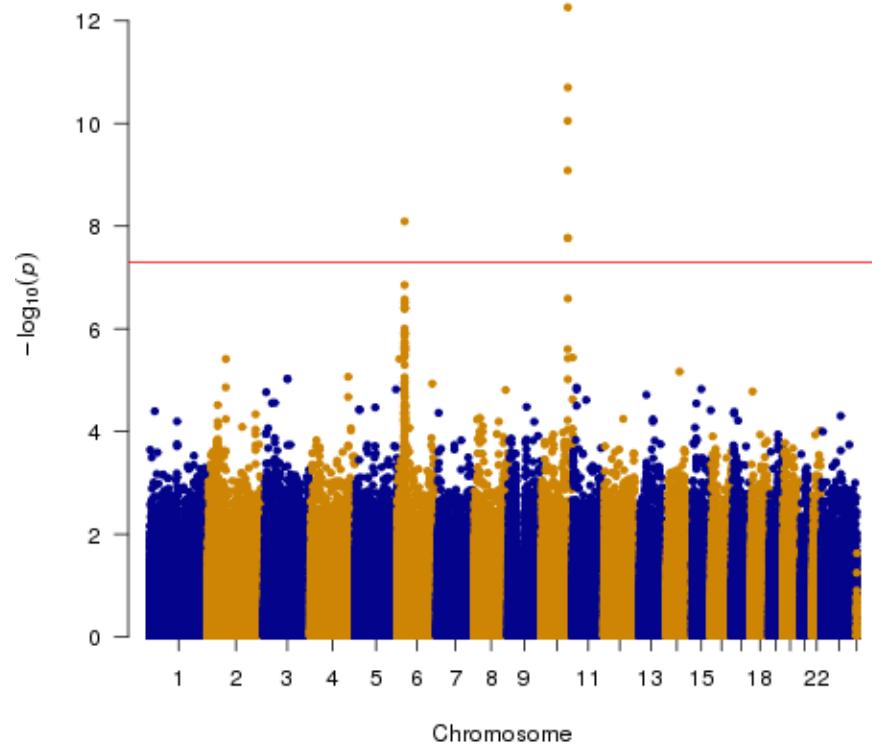
Glucose (Log Transform)

Genomic Inflation Factor is 1.04610050813471



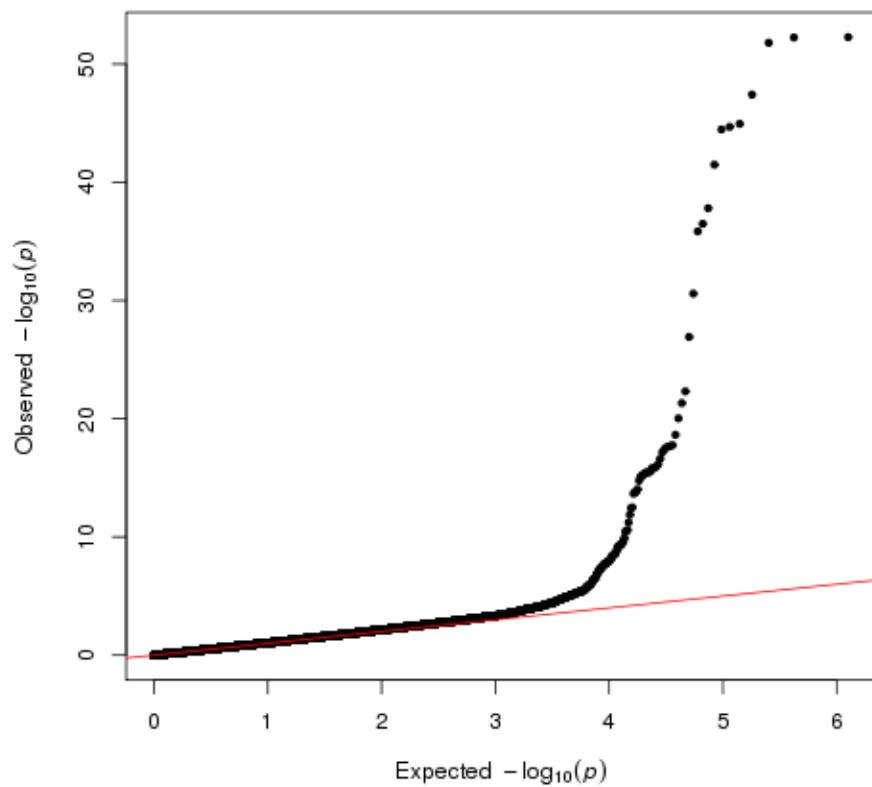
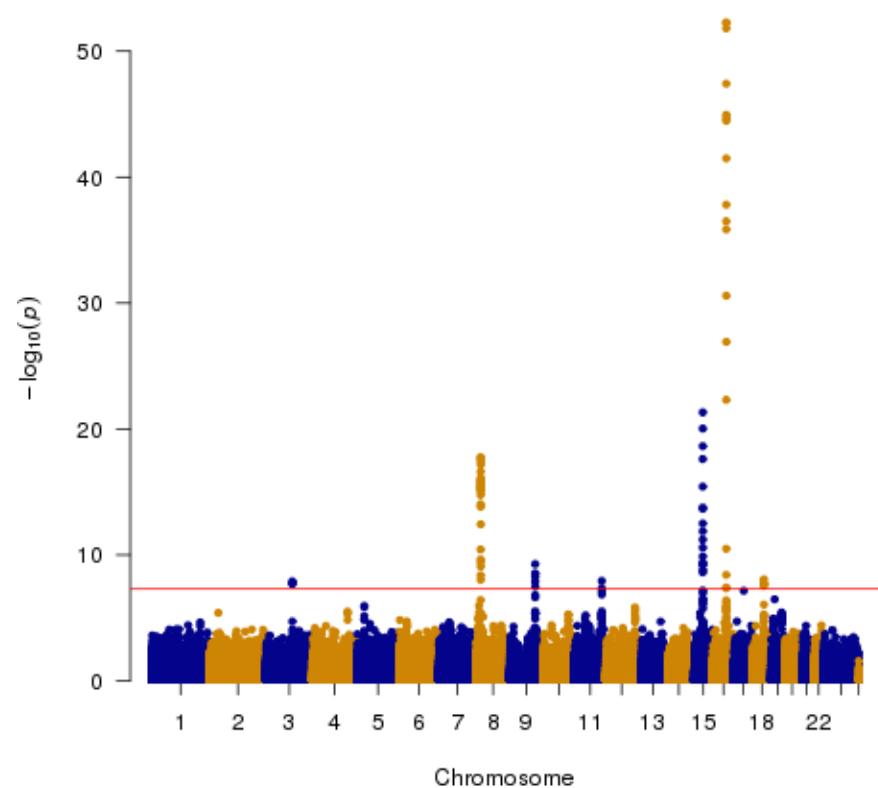
Hemoglobin A1c

Genomic Inflation Factor is 1.04169847694333



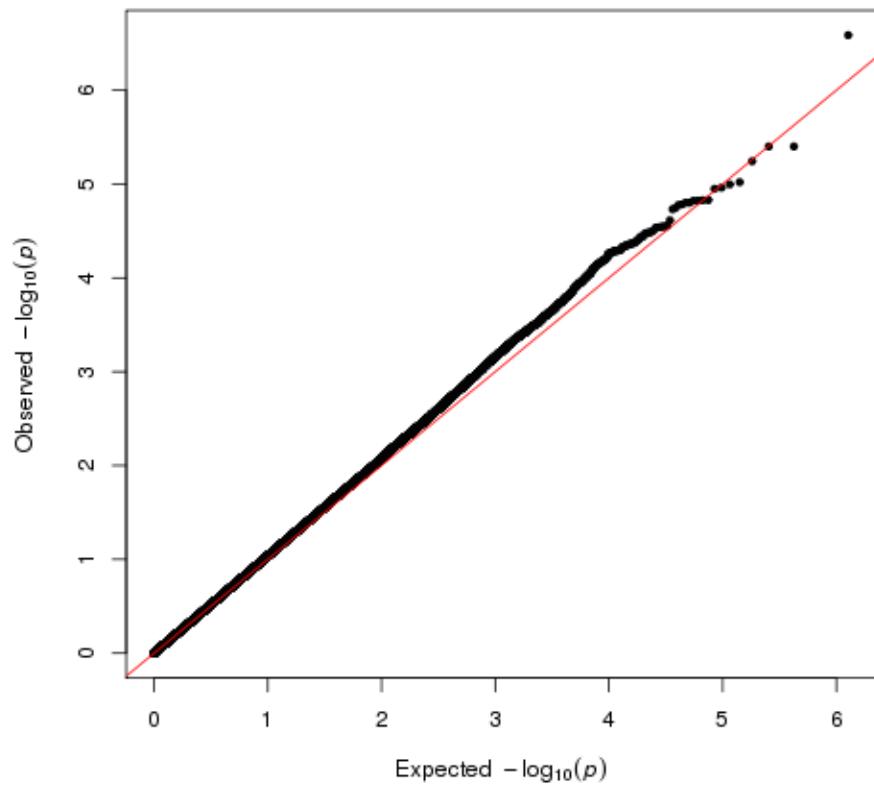
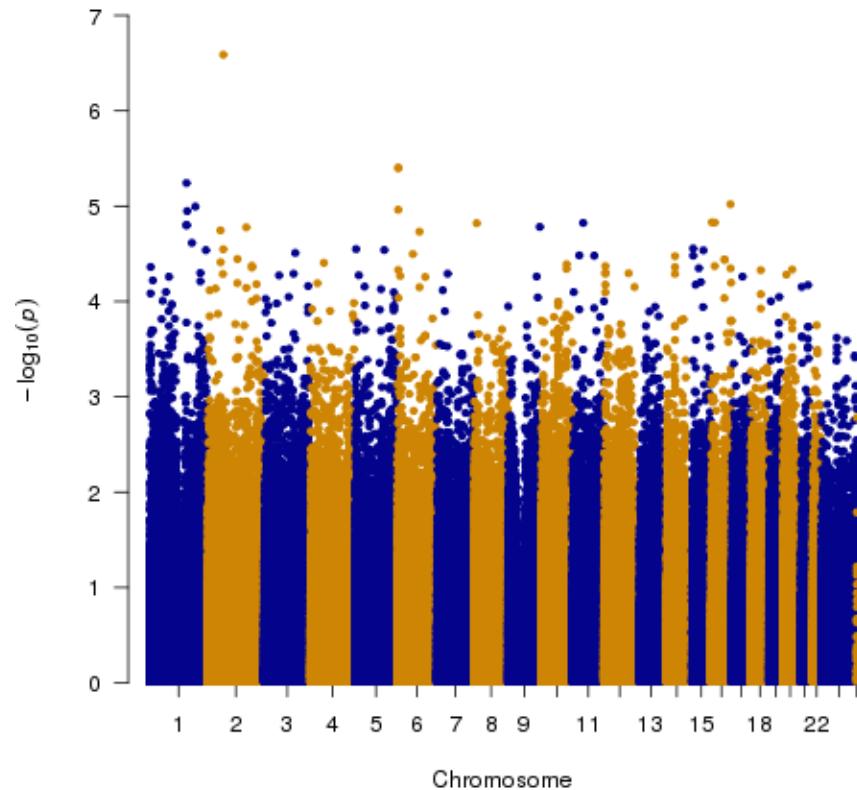
High Density Lipoprotein (Log Transform)

Genomic Inflation Factor is 1.12722693928373



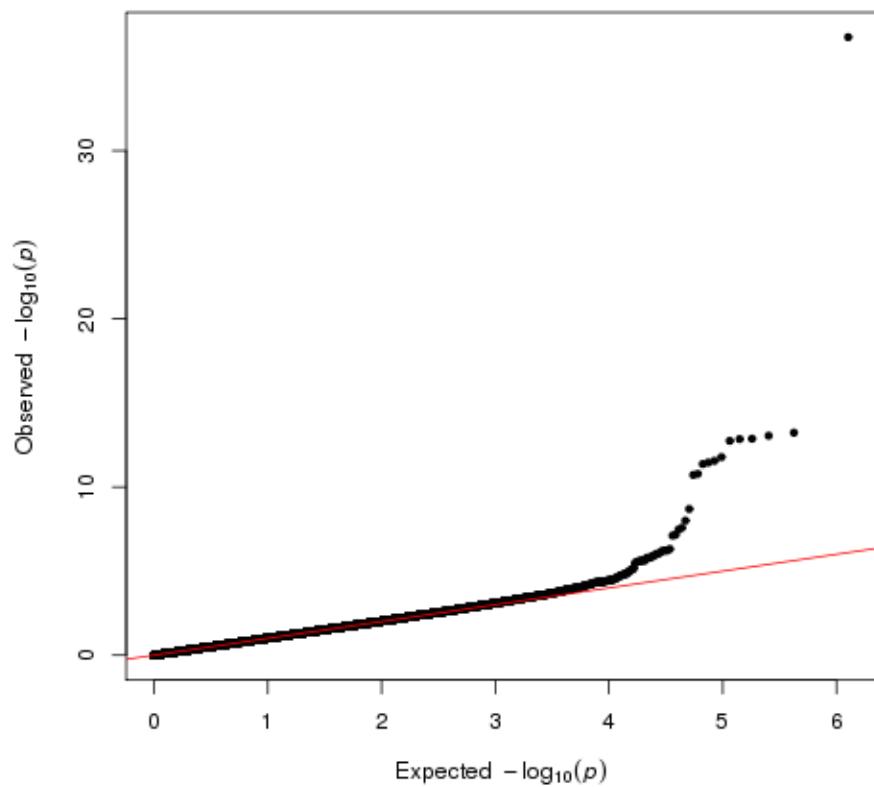
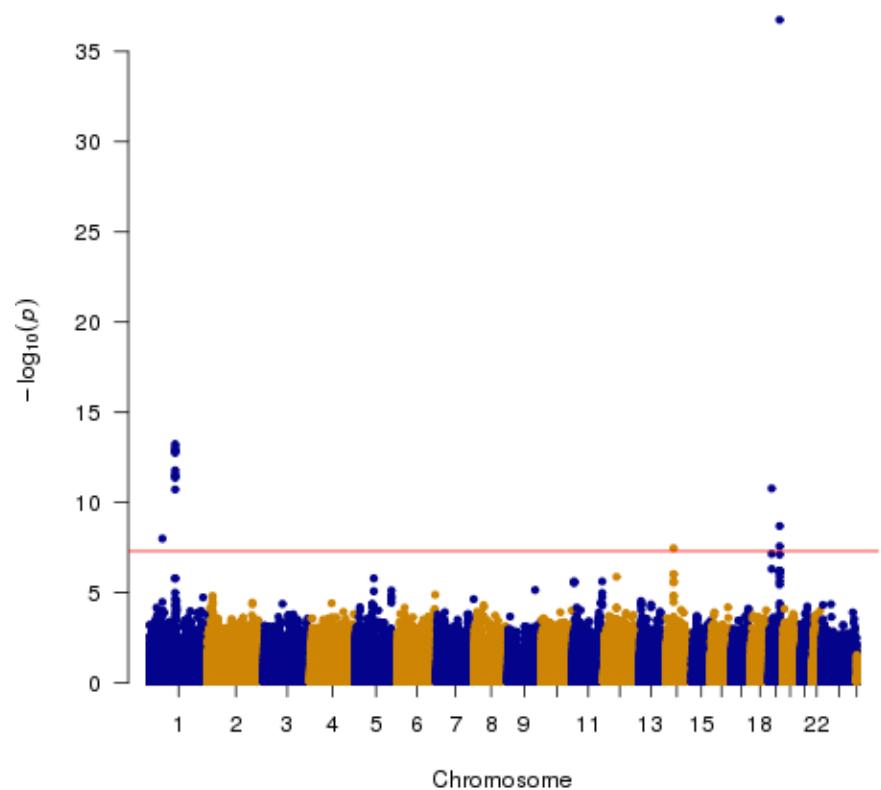
Insulin-Like Growth Factor-1 (Log Transform)

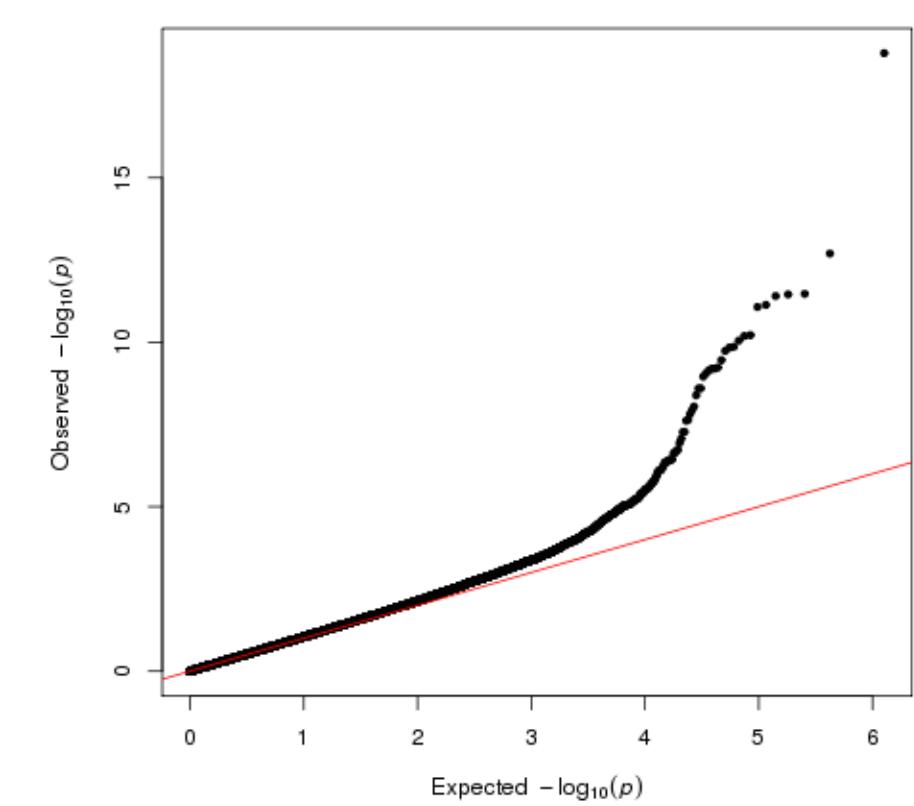
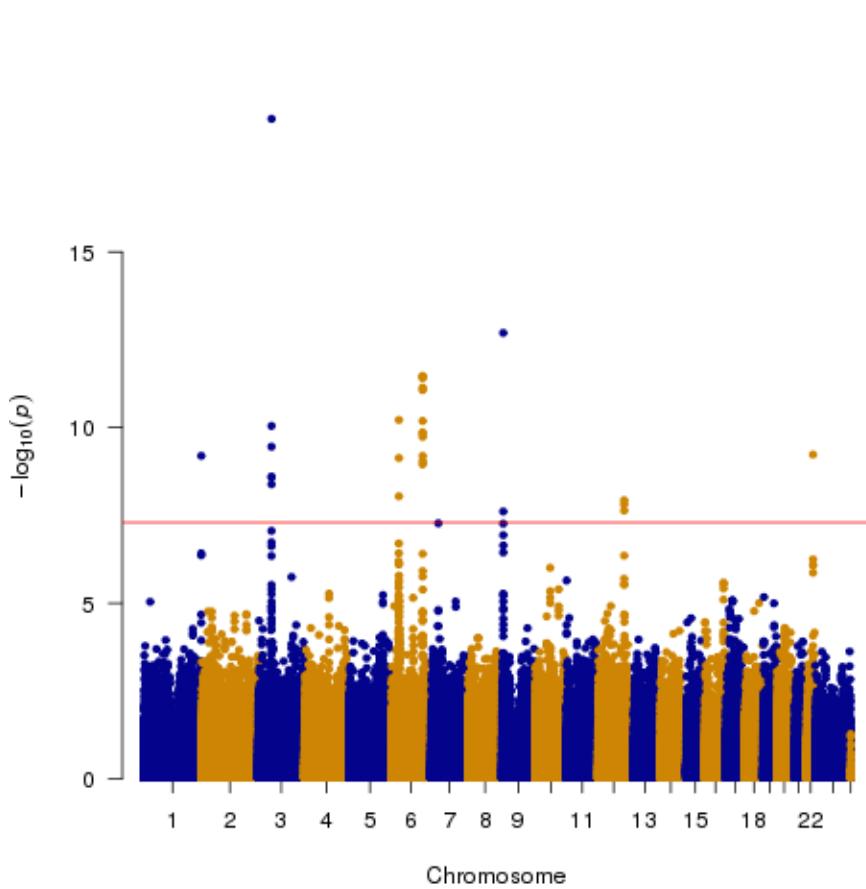
Genomic Inflation Factor is 1.04924180854575



Low Density Lipoprotein

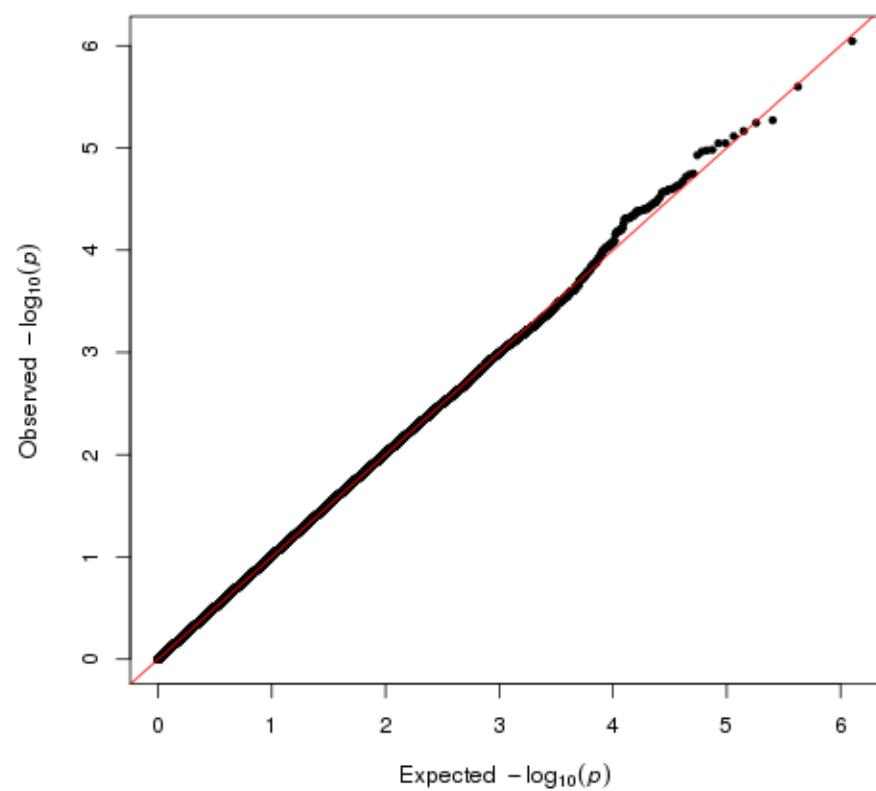
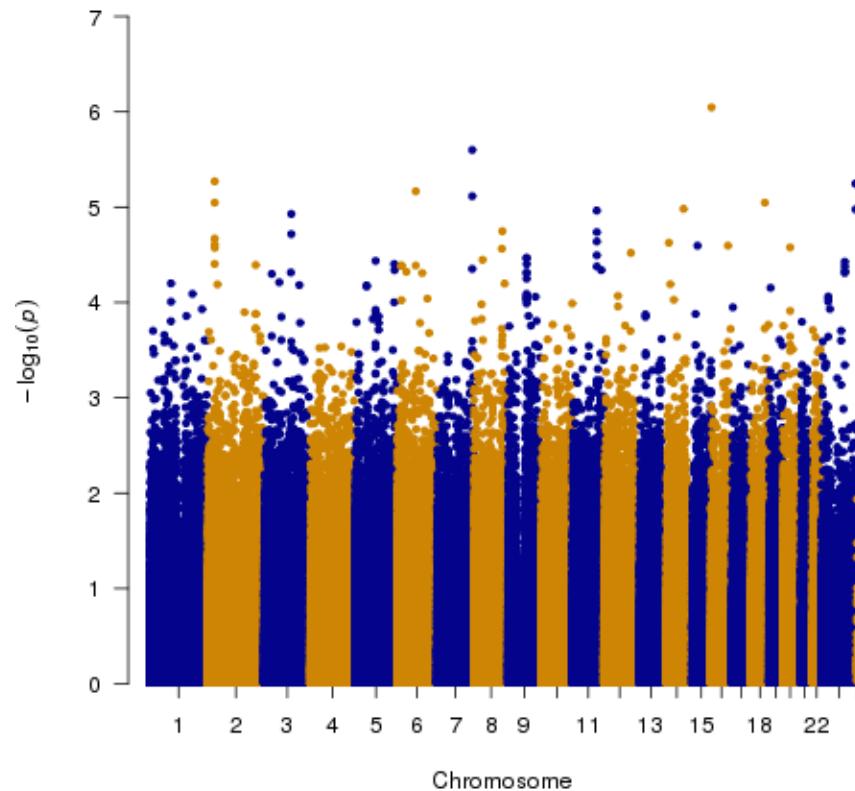
Genomic Inflation Factor is 1.02632679841335





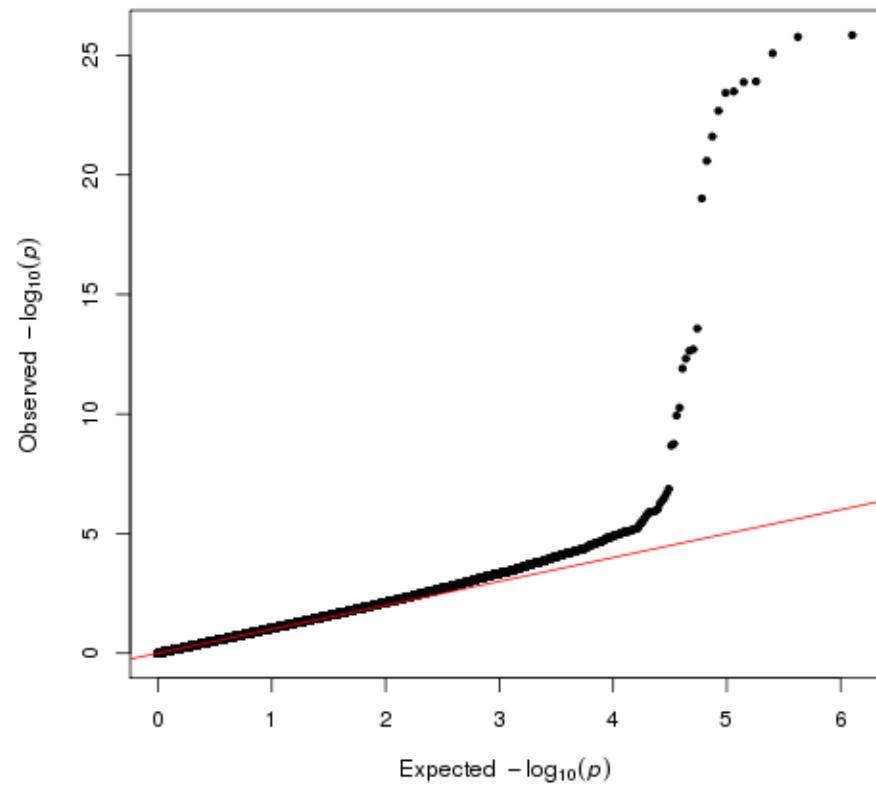
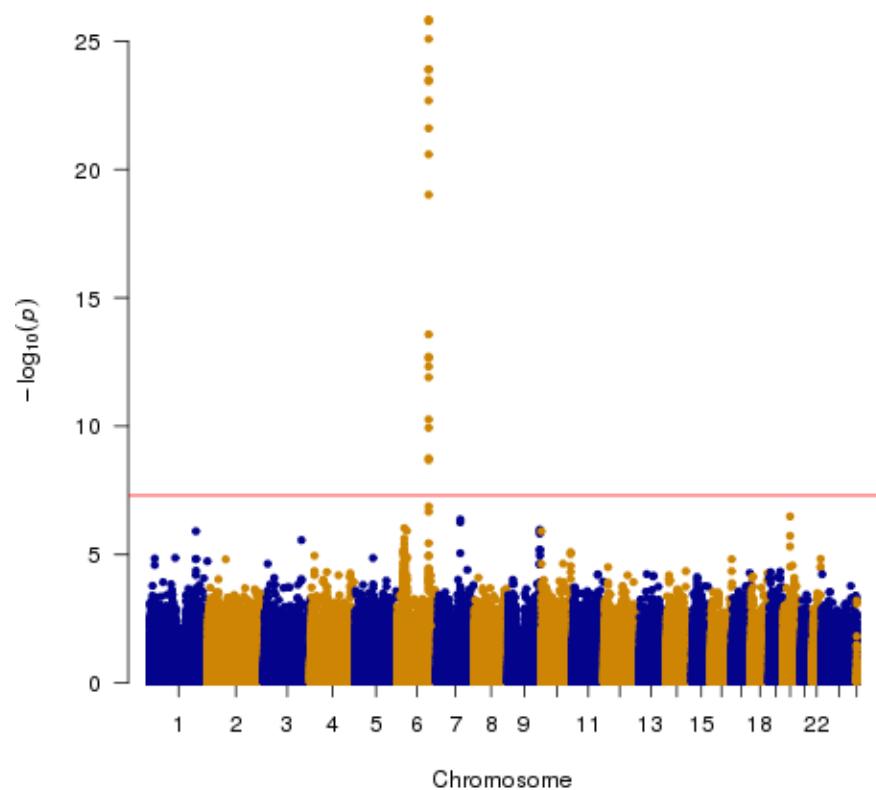
Protein Urine (Log Transform)

Genomic Inflation Factor is 1.01001768028042



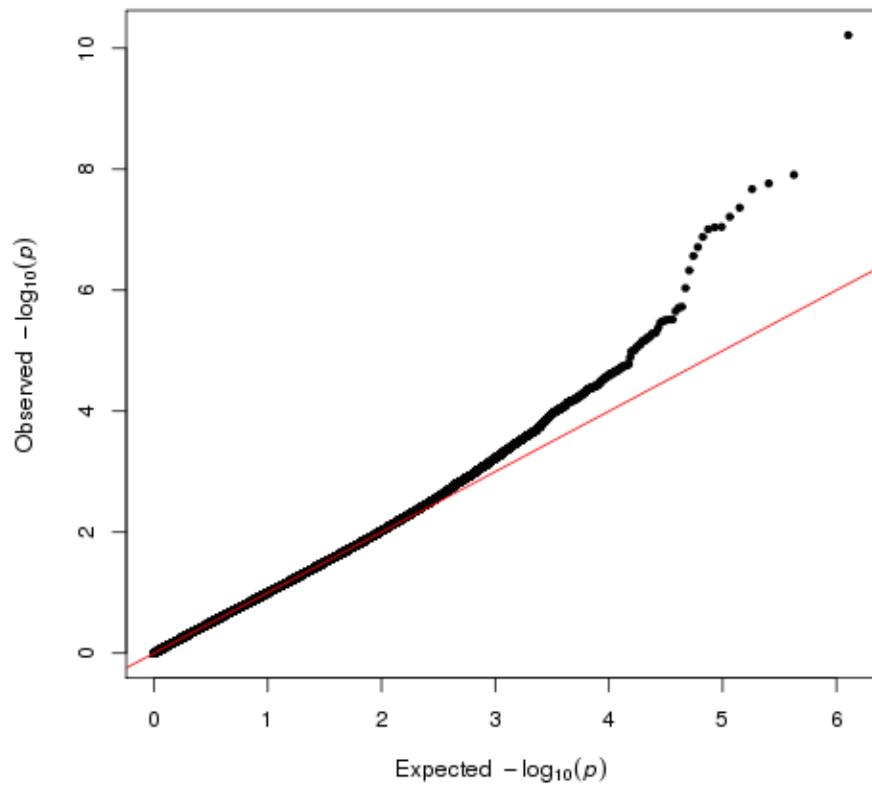
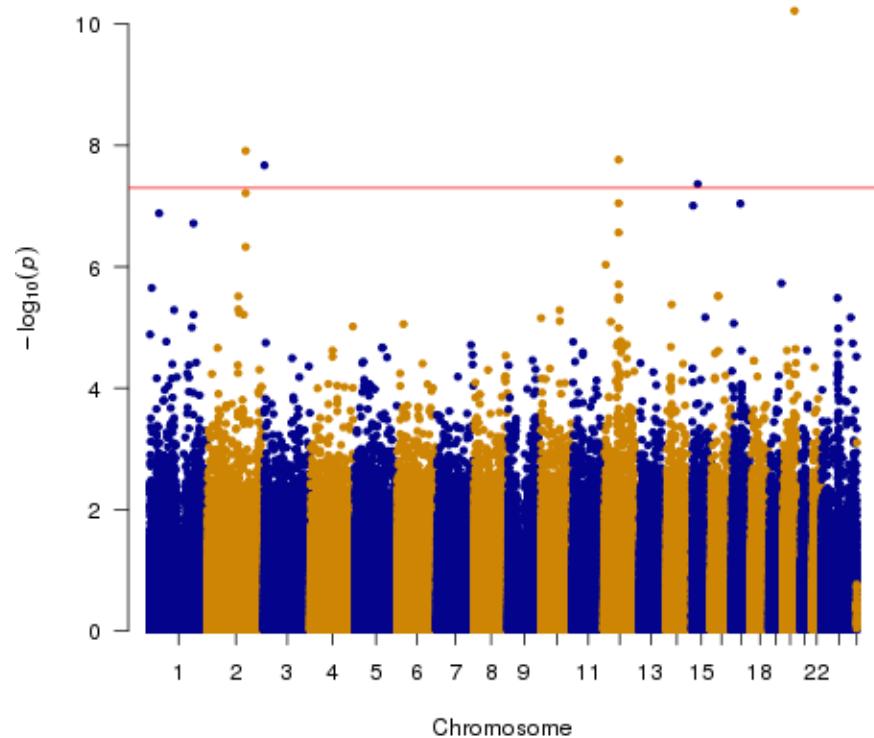
Red Blood Cell Count

Genomic Inflation Factor is 1.08384120146952



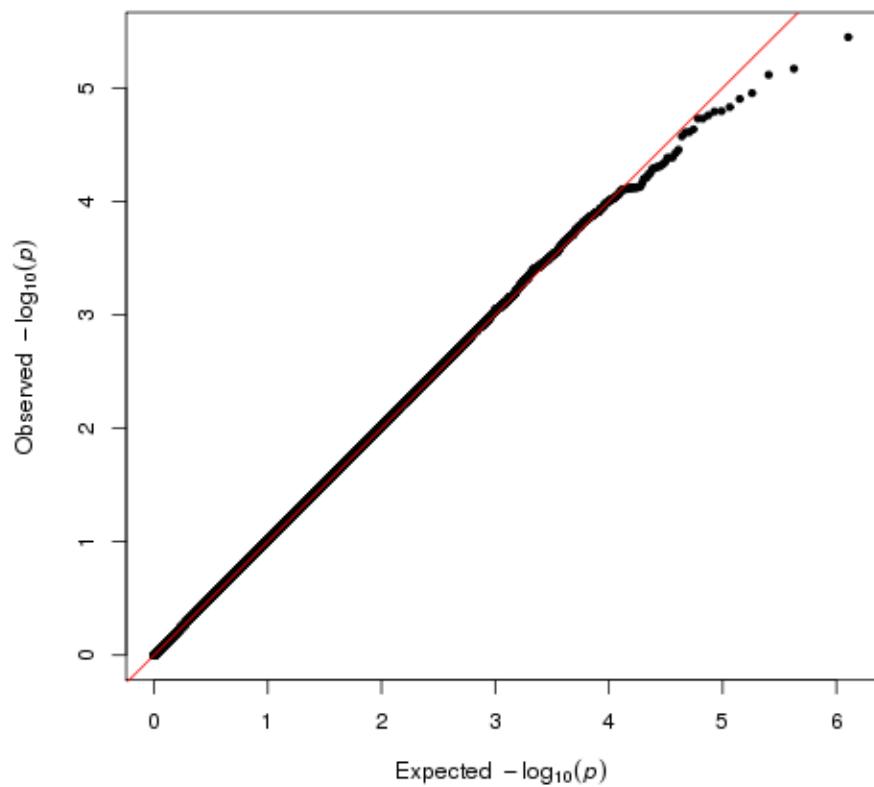
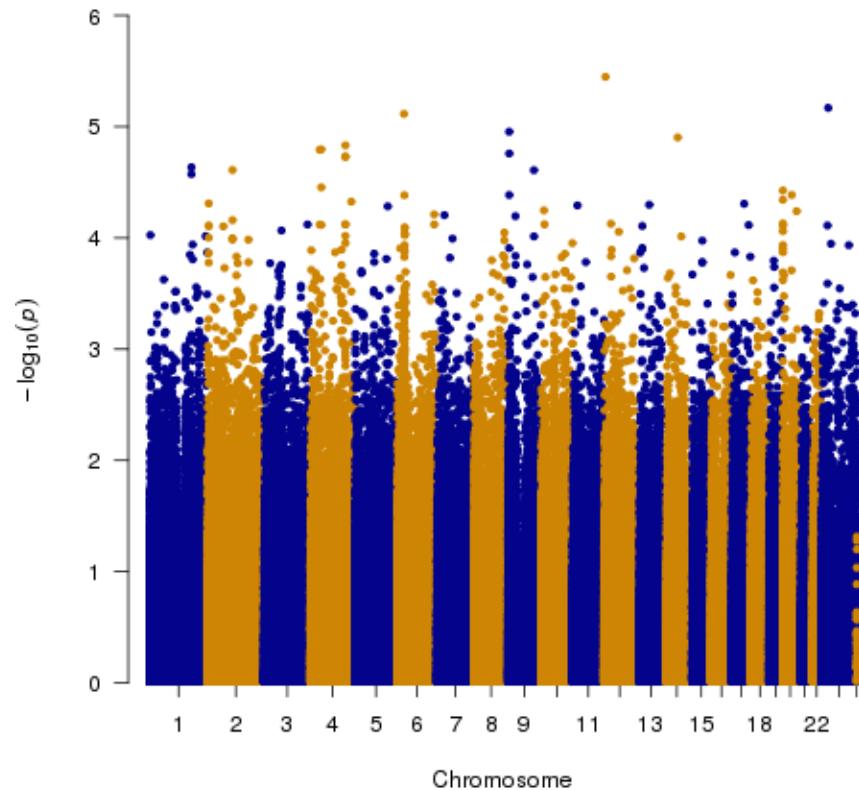
Thyroid Globulin Antibody

Genomic Inflation Factor is 1.01748080326271



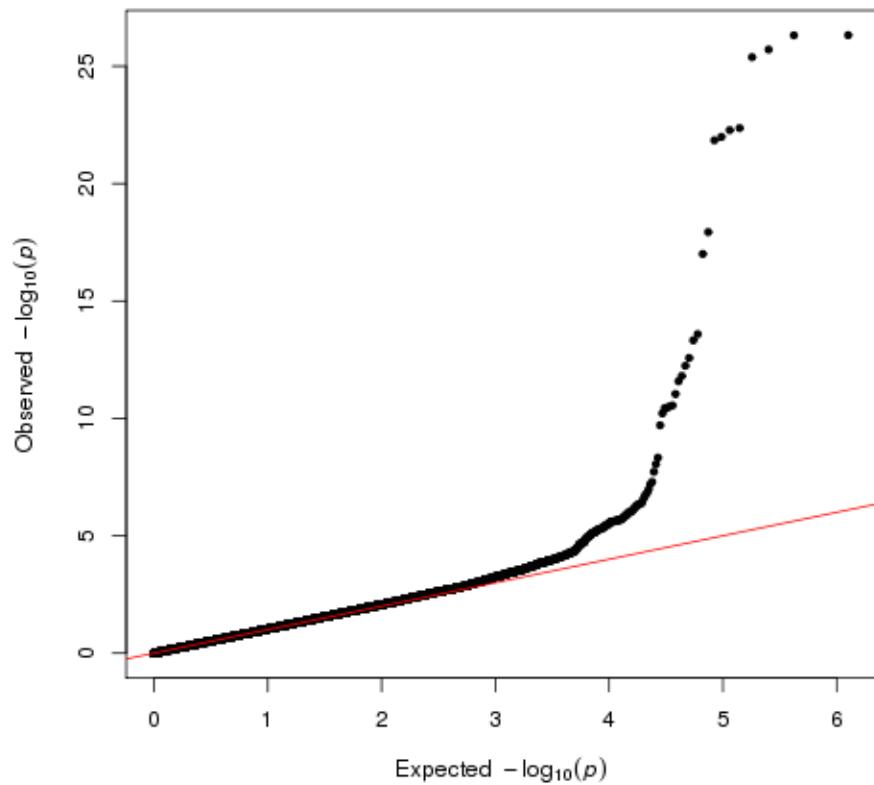
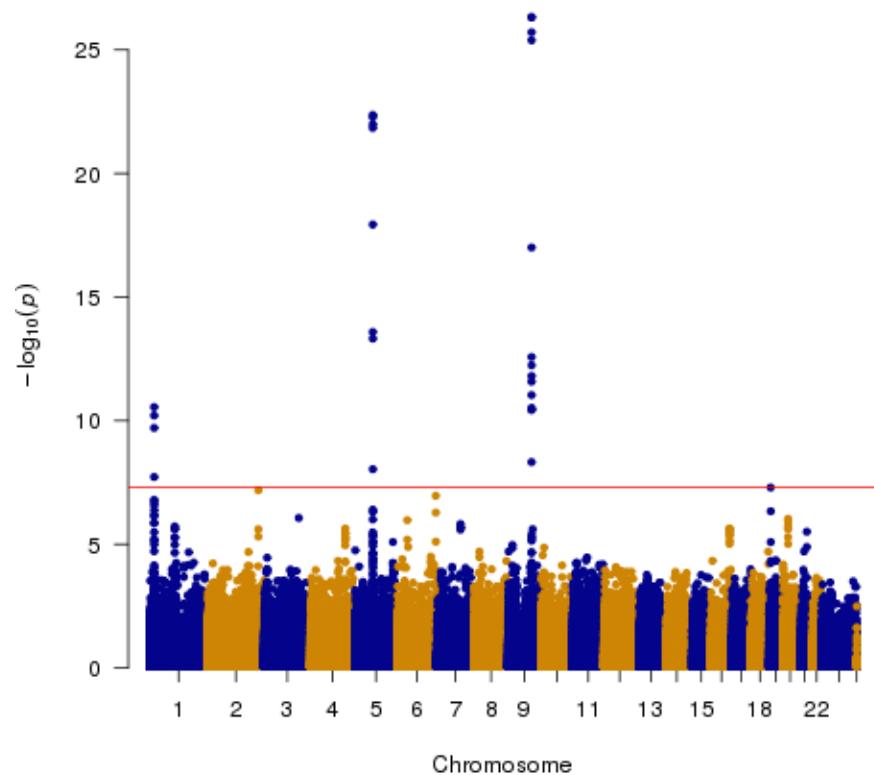
Thyroidperoxidase Antibody (Log Transform)

Genomic Inflation Factor is 1.01816685662392



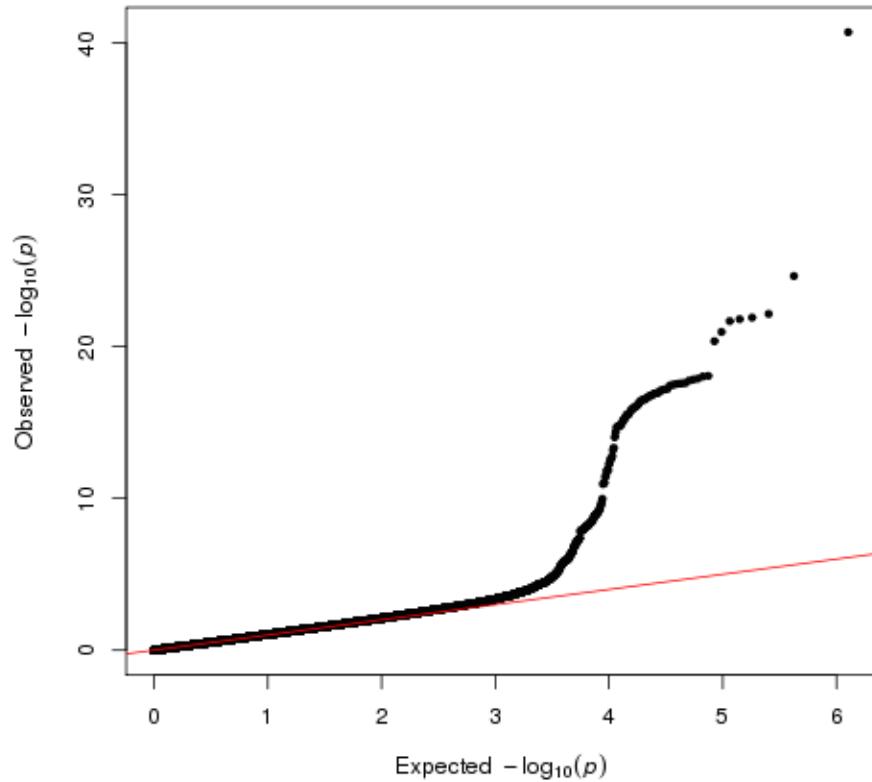
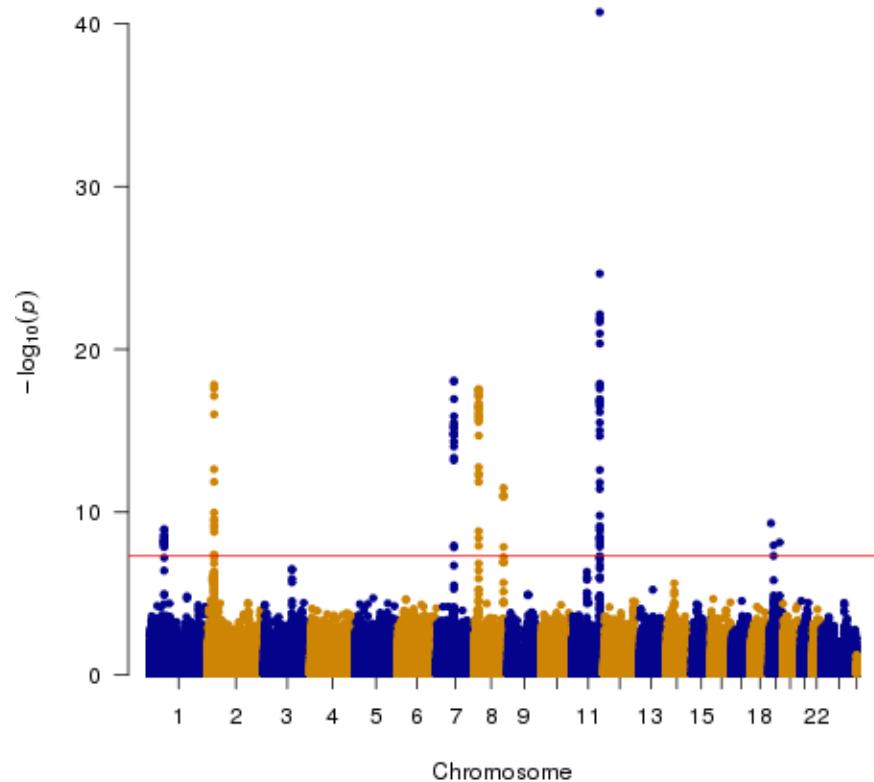
Thyroid Stimulating Hormone (Log Transform)

Genomic Inflation Factor is 1.06533258684863



Triglycerides (Log Transform)

Genomic Inflation Factor is 1.11045917460547



White Blood Cell Count
Genomic Inflation Factor is 1.09920578761999

