Table SI. GR interactome SNPs.

SNP	Disorder name	Chromosome	Position	Place	Gene	snp_place	Type	Frequency	Weight
rs6189	|AttentionDeficitDisorderWithHyperactivity=3|DepressiveDisorder=3|StressDisorders_Post_Traumatic=3|DrugHypersensitivity=2|CardiovascularDiseases=2|	chr5	(GRCh38.p13)	143400774	NR3C1	Missense variant	Single nucleotide variation	2	2
rs6195							Single nucleotide variation	2	2
rs41423247	|DepressiveDisorder=41|StressDisorders_Post_Traumatic=17|C564323=16|DepressiveDisorder_Major=5|DrugHypersensitivity=4|	chr5	(GRCh38.p13)	143399010	NR3C1	Intron variant	Single nucleotide variation	2	2
rs6198	|DiabetesMellitus=18|CushingSyndrome=18|Arthritis_Rheumatoid=15|Obesity=14|DepressiveDisorder=12|	chr5	(GRCh38.p13)	143278056	NR3C1	Non-coding transcript variant	Single nucleotide variation	2	2
rs6190	|GrowthDisorders=6|DepressiveDisorder=4|BipolarDisorder=4|MuscularAtrophy=3|Dementia=3|	chr5	(GRCh38.p13)	143400772	NR3C1	Missense variant	Single nucleotide variation	2	2
rs10052957	|Schizophrenia=5|BipolarDisorder=3|DepressiveDisorder=2|NephroticSyndrome=2|DepressiveDisorder_Major=2|	chr5	(GRCh38.p13)	143407136	NR3C1	Intron variant	Single nucleotide variation	2	2
rs10482672	|AttentionDeficitDisorderWithHyperactivity=4|Alcoholism=3|CongenitalDisorderOfGlycosylation_TypeI_IIX=2|AntisocialPersonalityDisorder=1|PainInsensitivity_Congenital=1|	chr5	(GRCh38.p13)	143312968	NR3C1	Intron variant	Single nucleotide variation	2	2
rs2963155	|Pain=2|Inflammation=1|SomatoformDisorders=1|Epilepsy_Absence=1|IrritableBowelSyndrome=1|	chr5	(GRCh38.p13)	143376439	NR3C1	Intron variant	Single nucleotide variation	2	2
rs6877893	|ProperdinDeficiency_X_linked=1|AlcoholicIntoxication=1|	chr5	(GRCh38.p13)	143347628	NR3C1	Intron variant	Single nucleotide variation	2	2
rs4912905	|Pain=1|LupusErythematosus_Systemic=1|	chr5	(GRCh38.p13)	143350811	NR3C1	Intron variant	Single nucleotide variation	2	2
rs6866893	|	chr5	(GRCh38.p13)	34551654			Single nucleotide variation	2	2
rs1866388	|Fatigue=4|ChronicDisease=2|DepressiveDisorder_Major=2|DepressiveDisorder=2|MuscularAtrophy=2|	chr5	(GRCh38.p13)	143380220	NR3C1	Intron variant	Single nucleotide variation	2	2
rs6196	|DepressiveDisorder_Major=4|ChronicDisease=2|DepressiveDisorder=2|MuscularAtrophy=2|Fatigue=2|	chr5	(GRCh38.p13)	143281925	NR3C1	Synonymous variant	Single nucleotide variation	2	2
rs6191	|DepressiveDisorder=3|DepressiveDisorder_Major=2|BipolarDisorder=2|AttentionDeficitDisorderWithHyperactivity=1|ChronicDisease=1|	chr5	(GRCh38.p13)	143278591	NR3C1	Non-coding transcript variant	Single nucleotide variation	2	2
rs258813	|	chr5	(GRCh38.p13)	143295125	NR3C1	Intron variant	Single nucleotide variation	2	2
rs33388	|StomachNeoplasms=9|Arthritis_Rheumatoid=7|DepressiveDisorder_Major=4|BipolarDisorder=3|Neoplasms=3|	chr5	(GRCh38.p13)	143317730	NR3C1	Intron variant	Single nucleotide variation	2	2
rs7701443	|CrohnDisease=1|LupusErythematosus_Systemic=1|	chr5	(GRCh38.p13)	143413085	NR3C1	Intron variant	Single nucleotide variation	2	2
rs860457	|	chr5	(GRCh38.p13)	143308758	NR3C1	Intron variant	Single nucleotide variation	2	2
rs10482682	|CongenitalDisorderOfGlycosylation_TypeI_IIX=2|PainInsensitivity_Congenital=1|	chr5	(GRCh38.p13)	143299832	NR3C1	Intron variant	Single nucleotide variation	2	2
rs4912911	|LupusErythematosus_Systemic=1|	chr5	(GRCh38.p13)	143427467	NR3C1	Intron variant	Single nucleotide variation	2	2
rs2963156	|Phenylketonurias=1|AlcoholicIntoxication=1|	chr5	(GRCh38.p13)	143378931	NR3C1	Intron variant	Single nucleotide variation	2	2
rs244465	|AlcoholicIntoxication=3|Alcoholism=1|	chr5	(GRCh38.p13)	143266338			Single nucleotide variation	2	2
rs56149945	|Obesity=98|DiabetesMellitus=54|Hypertension=39|CoronaryArteryDisease=31|Asthma=27|	chr5	(GRCh38.p13)	143399752	NR3C1	Missense variant	Single nucleotide variation	2	2
rs33389	|Arthritis_Rheumatoid=5|DepressiveDisorder_Major=4|NephroticSy	chr5	(GRCh38.p13)	143320934	NR3C1	Intron variant	Single nucleotide	2	2

	ndrome=2|Pain=1|PrecursorCellLymphoblasticLeukemia_Lymphoma=1|						variation		
rs2918419	|DepressiveDisorder=3|MetabolicDiseases=2|Hyperinsulinism=2|Obesity=2|ChronicDisease=2|	chr5	(GRCh38.p13)	143342788	NR3C1	Intron variant	Single nucleotide variation	2	2
rs2307674	|Arthritis_Rheumatoid=4|ToothErosion=1|TripleNegativeBreastNeoplasms=1|	chr5	(GRCh38.p13)	143296617-143296627	NR3C1	Intron variant	Insertion and deletion	2	2
rs9324924	|Pain=2|LupusErythematosus_Systemic=1|DepressiveDisorder_Major=1|	chr5	(GRCh38.p13)	143412919	NR3C1	Intron variant	Single nucleotide variation	2	2
rs258747	|StressDisorders_Post_Traumatic=12|WoundsAndInjuries=1|SubstanceWithdrawalSyndrome=1|CholesterolPneumonia=1|Disease=1|	chr5	(GRCh38.p13)	143277248			Single nucleotide variation	2	2
rs11745958	|	chr5	(GRCh38.p13)	143336792	NR3C1	Intron variant	Single nucleotide variation	2	2
rs17209237	|	chr5	(GRCh38.p13)	143277647	NR3C1	500B downstream variant	Single nucleotide variation	2	2
rs17287745	|Phenylketonurias=1|	chr5	(GRCh38.p13)	143275450			Single nucleotide variation	2	2
rs17209251	|	chr5	(GRCh38.p13)	143289658	NR3C1	Intron variant	Single nucleotide variation	2	2
rs6188	|ChronicDisease=2|DepressiveDisorder_Major=2|DepressiveDisorder=2|MuscularAtrophy=2|Fatigue=2|	chr5	(GRCh38.p13)	143300779	NR3C1	Intron variant	Single nucleotide variation	2	2
rs2918417	|	chr5	(GRCh38.p13)	143346605	NR3C1	Intron variant	Single nucleotide variation	2	2
rs4634384	|	chr5	(GRCh38.p13)	143401132	NR3C1	Intron variant	Single nucleotide variation	2	2
rs2963154	|AlcoholicIntoxication=1|	chr5	(GRCh38.p13)	143362972	NR3C1	Intron variant	Single nucleotide variation	2	2
rs10515522	|	chr5	(GRCh38.p13)	143378829	NR3C1	Intron variant	Single nucleotide variation	2	2
rs2918418	|CongenitalDisorderOfGlycosylation_TypeI_IIX=2|PainInsensitivity_Congenital=1|	chr5	(GRCh38.p13)	143343808	NR3C1	Intron variant	Single nucleotide variation	2	2
rs291841	|	chr5	(GRCh38.p13)	103521326			Single nucleotide variation	2	2
rs258751	|Lipodystrophy=1|	chr5	(GRCh38.p13)	143282715	NR3C1	Missense variant	Single nucleotide variation	2	2
rs10482633	|Hypotension=1|FeedingAndEatingDisorders=1|HypothalamicNeoplasms=1|	chr5	(GRCh38.p13)	143370968	NR3C1	Intron variant	Single nucleotide variation	2	2
rs4128428	|CongenitalDisorderOfGlycosylation_TypeI_IIX=2|PainInsensitivity_Congenital=1|	chr5	(GRCh38.p13)	143382248	NR3C1	Intron variant	Single nucleotide variation	2	2
rs6865292	|LupusErythematosus_Systemic=1|	chr5	(GRCh38.p13)	143413425	NR3C1	Intron variant	Single nucleotide variation	2	2
rs9324921	|LungNeoplasms=1|	chr5	(GRCh38.p13)	143388175	NR3C1	Intron variant	Single nucleotide variation	2	2
rs4607376	|AlcoholicIntoxication=1|LupusErythematosus_Systemic=1|	chr5	(GRCh38.p13)	143416967	NR3C1	Intron variant	Single nucleotide variation	2	2
rs7719514	|LupusErythematosus_Systemic=1|	chr5	(GRCh38.p13)	143430559	NR3C1	Intron variant	Single nucleotide variation	2	2
rs12054797	|	chr5	(GRCh38.p13)	143426337	NR3C1	Intron variant	Single nucleotide variation	2	2
rs72555796	|	chr5	(GRCh38.p13)	143435526	NR3C1	2KB upstream variant	Single nucleotide variation	2	2
rs1800445	|MentalDisorders=2|	chr5	(GRCh38.p13)	143399746	NR3C1	Missense variant	Single nucleotide variation	2	2
rs12655166	|Alcoholism=3|CongenitalDisorderOfGlycosylation_TypeI_IIX=2|Hypotension=2|HypothalamicNeoplasms=2|PainInsensitivity_Congenital=1|	chr5	(GRCh38.p13)	143429707	NR3C1	Intron variant	Single nucleotide variation	2	2

rs12656106	|AnxietyDisorders=1|LupusErythematosus_Systemic=1|	chr5	(GRCh38.p13)	143429382	NR3C1	Intron variant	Single nucleotide variation	2	2
rs4986593	|Pain=1|LupusErythematosus_Systemic=1|PanicDisorder=1|DepressiveDisorder_Major=1|BehcetSyndrome=1|	chr5	(GRCh38.p13)	143314281	NR3C1	Intron variant	Single nucleotide variation	2	2
rs10482612	|FactorVIIDeficiency=1|SpasticParaplegia2_X_linked=1|ProperdinDeficiency_X_linked=1|MyocardialInfarction=1|Glaucoma=1|	chr5	(GRCh38.p13)	143403416	NR3C1	Intron variant	Single nucleotide variation	2	2
rs6189	|AttentionDeficitDisorderWithHyperactivity=3|DepressiveDisorder=3|StressDisorders_Post_Traumatic=3|DrugHypersensitivity=2|CardiovascularDiseases=2|	chr5	(GRCh38.p13)	143400774	NR3C1	Missense variant	Single nucleotide variation	2	2
rs61757411		chr5	(GRCh38.p13)	143437459	NR3C1	2KB upstream variant	Single nucleotide variation	2	2
rs10482614	|	chr5	(GRCh38.p13)	143402837	NR3C1	Intron variant	Single nucleotide variation	2	2
rs12521436	|StomachNeoplasms=11|Hypotension=2|HypothalamicNeoplasms=2|Neoplasms=1|Psychoses_Substance_Induced=1|	chr5	(GRCh38.p13)	143438042			Single nucleotide variation	2	2
rs4912913	|StomachNeoplasms=10|Neoplasms=1|	chr5	(GRCh38.p13)	143438741			Single nucleotide variation	2	2
rs190488	|	chr5	(GRCh38.p13)	143290743	NR3C1	Intron variant	Single nucleotide variation	2	2
rs67300719	|	chr5	(GRCh38.p13)	143281973	NR3C1	Synonymous variant	Single nucleotide variation	2	2
rs72542757	|	chr5	(GRCh38.p13)	143282050	NR3C1	Intron variant	Single nucleotide variation	2	2
rs104893908		chr5	(GRCh38.p13)	143295561	NR3C1	Missense variant	Single nucleotide variation	2	2
rs104893913		chr5	(GRCh38.p13)	143310135	NR3C1	Missense variant	Single nucleotide variation	2	2
rs104893910		chr5	(GRCh38.p13)	143281982	NR3C1	Missense variant	Single nucleotide variation	2	2
rs104893914	|Infertility=4|Hypokalemia=4|Hyperandrogenism=4|Hirsutism=4|MetabolicDiseases=4|	chr5	(GRCh38.p13)	143282714	NR3C1	Missense variant	Single nucleotide variation	2	2
rs104893909		chr5	(GRCh38.p13)	143300556	NR3C1	Missense variant	Single nucleotide variation	2	2
rs104893911	|HypothalamicNeoplasms=1|Infertility=1|Hypokalemia=1|Hyperandrogenism=1|Hirsutism=1|	chr5	(GRCh38.p13)	143300520	NR3C1	Missense variant	Single nucleotide variation	2	2
rs104893912	|HypothalamicNeoplasms=1|Infertility=1|Hypokalemia=1|Hyperandrogenism=1|Hirsutism=1|	chr5	(GRCh38.p13)	143281905	NR3C1	Missense variant	Single nucleotide variation	2	2
rs121909727		chr5	(GRCh38.p13)	143282014	NR3C1	Missense variant	Single nucleotide variation	2	2
rs6194	|Neoplasms=1|StomachNeoplasms=1|	chr5	(GRCh38.p13)	143298796	NR3C1	Synonymous variant	Single nucleotide variation	2	2
rs2070951	|DepressiveDisorder=7|Hypertension_Pregnancy_Induced=4|Hypertension=4|Atherosclerosis=2|AttentionDeficitDisorderWithHyperactivity=2|	chr4	(GRCh38.p13)	148436862	NR3C2	Non-coding transcript variant	Single nucleotide variation	2	2
rs5522	|Hypertension=14|DepressiveDisorder=12|Hypertension_Pregnancy_Induced=4|Hypertrophy_LeftVentricular=4|HypothalamicNeoplasms=4|	chr4	(GRCh38.p13)	148436323	NR3C2	Missense variant	Single nucleotide variation	2	2
rs3846329	|	chr4	(GRCh38.p13)	148308186	NR3C2	Intron variant	Single nucleotide variation	2	2
rs6810951	|Hypertension=1|	chr4	(GRCh38.p13)	148162961	NR3C2	Intron variant	Single nucleotide variation	2	2
rs4635799	|Left_RightAxisMalformations=1|AnxietyDisorders=1|AbuseDwarfismSyndrome=1|Phenylketonurias=1|	chr4	(GRCh38.p13)	148429375	NR3C2	Intron variant	Single nucleotide variation	2	2
rs11099695	|	chr4	(GRCh38.p13)	148432987	NR3C2	Intron variant	Single nucleotide variation	2	2

rs2070950	|Hypertension=1|	chr4	(GRCh38.p13)	148437220	NR3C2	Intron variant	Single nucleotide variation	2	2
rs2871	|	chr4	(GRCh38.p13)	148078873	NR3C2	Non-coding transcript variant	Single nucleotide variation	2	2
rs1512325	|	chr4	(GRCh38.p13)	148368541	NR3C2	Intron variant	Single nucleotide variation	2	2
rs1512342	|	chr4	(GRCh38.p13)	148329631	NR3C2	Intron variant	Single nucleotide variation	2	2
rs1360780	|DepressiveDisorder=175|StressDisorders_Post_Traumatic=156|WoundsAndInjuries=146|DepressiveDisorder_Major=88|MentalDisorders=41|	chr6	(GRCh38.p13)	35639794	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	2	2
rs3800373	|StressDisorders_Post_Traumatic=88|WoundsAndInjuries=60|DepressiveDisorder=54|DepressiveDisorder_Major=28|HeadacheDisorders_Secondary=15|	chr6	(GRCh38.p13)	35574699	FKBP5	3 Prime UTR variant||LOC101929309|intron variant	Single nucleotide variation	2	2
rs9470080	|StressDisorders_Post_Traumatic=110|WoundsAndInjuries=47|DepressiveDisorder=37|DepressiveDisorder_Major=18|HeadacheDisorders_Secondary=15|	chr6	(GRCh38.p13)	35678658	FKBP5	Intron variant	Single nucleotide variation	2	2
rs9296158	|StressDisorders_Post_Traumatic=86|WoundsAndInjuries=56|DepressiveDisorder=32|HeadacheDisorders_Secondary=15|Psychoses_Substance_Induced=13|	chr6	(GRCh38.p13)	35599305	FKBP5	Intron variant||LOC112267956|2KB upstream variant	Single nucleotide variation	2	2
rs4713916	|DepressiveDisorder=18|DepressiveDisorder_Major=11|WoundsAndInjuries=9|AbuseDwarfismSyndrome=7|AnxietyDisorders=6|	chr6	(GRCh38.p13)	35702206	FKBP5	Intron variant	Single nucleotide variation	2	2
rs2395635	|	chr6	(GRCh38.p13)	35703388	FKBP5	Intron variant	Single nucleotide variation	2	2
rs4713902	|WoundsAndInjuries=3|DepressiveDisorder=3|AnxietyDisorders=2|DepressiveDisorder_Major=2|BipolarDisorder=1|	chr6	(GRCh38.p13)	35646249	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	2	2
rs7757037	|MentalDisorders=1|DepressiveDisorder_Major=1|	chr6	(GRCh38.p13)	35580459	FKBP5	Intron variant||LOC101929309|Intron Variant	Single nucleotide variation	2	2
rs1581842283		chr6	(GRCh38.p13)	35639490	FKBP5	Intron Variant||LOC112267956|intron variant	Single nucleotide variation	2	2
rs737054	|WoundsAndInjuries=3|DepressiveDisorder_Major=2|Schizophrenia=1|AttentionDeficitDisorderWithHyperactivity=1|MentalDisorders=1|	chr6	(GRCh38.p13)	35607710	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	2	2
rs7771727	|	chr6	(GRCh38.p13)	35588743	FKBP5	Intron variant||LOC101929309|intron Variant	Single nucleotide variation	2	2
rs7748266	|PsychoticDisorders=7|AnxietyDisorders=2|DepressiveDisorder=2|WoundsAndInjuries=2|StressDisorders_Post_Traumatic=2|	chr6	(GRCh38.p13)	35624967	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	2	2
rs141713011	|BipolarDisorder=1|	chr6	(GRCh38.p13)	35585274	FKBP5	Intron variant||LOC101929309|intron variant	Single nucleotide variation	2	2
rs9394309	|PsychoticDisorders=6|DepressiveDisorder=3|InsulinResistance=2|GlucoseIntolerance=2|AnxietyDisorders=2|	chr6	(GRCh38.p13)	35654004	FKBP5	Intron variant	Single nucleotide variation	2	2
rs6902321		chr6	(GRCh38.p13)	35702830	FKBP5	Intron variant	Single nucleotide variation	2	2
rs3777747	|DepressiveDisorder_Major=3|AnxietyDisorders=2|WoundsAndInjuries=2|NeckPain=1|DepressiveDisorder=1|	chr6	(GRCh38.p13)	35611225	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	2	2
rs2766533	|	chr6	(GRCh38.p13)	35717713	FKBP5	Intron variant	Single nucleotide variation	2	2

rs17542466	|	chr6	(GRCh38.p13)	35646967	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	2	2
rs755658	|PsychoticDisorders=6|DepressiveDisorder_Major=3|MitochondrialDiseases=1|EnhancedS_ConeSyndrome=1|Carcinoma=1|	chr6	(GRCh38.p13)	35581893	FKBP5	Intron variant||LOC101929309|intron variant	Single nucleotide variation	2	2
rs4980524	|AtaxiaTelangiectasia=2|Adenomyosis=2|Endometriosis=2|EndometrialNeoplasms=2|Asthma=2|	chr11	(GRCh38.p13)	64191787	STIP1	Intron variant	Single nucleotide variation	2	2
rs6591838	|AtaxiaTelangiectasia=2|Asthma=2|	chr11	(GRCh38.p13)	64191884	STIP1	Intron variant	Single nucleotide variation	2	2
rs2236647	|Asthma=7|AtaxiaTelangiectasia=2|Adenomyosis=1|	chr11	(GRCh38.p13)	64197133	STIP1	Intron variant	Single nucleotide variation	2	2
rs2236648	|Asthma=2|AtaxiaTelangiectasia=2|DrugHypersensitivity=1|	chr11	(GRCh38.p13)	64197185	STIP1	Intron variant	Single nucleotide variation	2	2
rs7160651	|LupusErythematosus_Systemic=4|Neoplasms=1|	chr14	(GRCh38.p13)	102097822	HSP90AA1	Intron variant	Single nucleotide variation	2	2
rs1043618	|DepressiveDisorder_Major=21|AlzheimerDisease=11|DepressiveDisorder=8|Glaucoma=5|Neoplasms=5|	chr6	(GRCh38.p13)	31815730	HSPA1A	5 Prime UTR variant||HSPA1L|2KB upstream Variant	Single nucleotide variation	26	0.5
rs1061581	|MultipleSclerosis=6|Infertility_Male=4|DiabeticNephropathies=3|PrecursorCellLymphoblasticLeukemia_Lymphoma=3|HearingLoss=2|	chr6	(GRCh38.p13)	31816809	HSPA1A	Synonymous Variant||HSPA1L|2KB Upstream variant	Single nucleotide variation	24	0.5
rs2227956	|StomachNeoplasms=5|Infertility_Male=5|Neoplasms=3|AtaxiaTelangiectasia=3|DiabeticFoot=2|	chr6	(GRCh38.p13)	31810495	HSPA1L	Missense variant	Single nucleotide variation	26	0.5
rs2075799	|Schizophrenia=4|SveinssonChorioretinalAtrophy=1|	chr6	(GRCh38.p13)	31810752	HSPA1L	Synonymous variant	Single nucleotide variation	4	0.5
rs562047	|Schizophrenia=2|DepressiveDisorder_Major=1|BipolarDisorder=1|BehcetSyndrome=1|DepressiveDisorder=1|	chr6	(GRCh38.p13)	31816086	HSPA1A	Missense variant||HSPA1L|2KB u upstream variant	Single nucleotide variation	5	0.5
rs539689	|Schizophrenia=17|Schizophrenia_Paranoid=4|	chr6	(GRCh38.p13)	31829810	HSPA1B	Synonymous Variant	Single nucleotide variation	4	0.5
rs1008438	|DepressiveDisorder_Major=30|AlzheimerDisease=17|DepressiveDisorder=12|HematologicDiseases=3|Neoplasms=3|	chr6	(GRCh38.p13)	31815431	HSPA1A	2KB upstream variant||HSPA1L|2KB upstream variant	Single nucleotide variation	10	0.5
rs1136141	|CoronaryArteryDisease=1|BreastNeoplasms=1|Non_alcoholicFattyLiverDisease=1|Cardiotoxicity=1|MentalDisorders=1|	chr11	(GRCh38.p13)	123062069	HSPA8	Intron variant||LOC101929289|2KB upstream variant	Single nucleotide variation	2	0.5
rs2075800	|Sarcoidosis=5|Uveitis=5|GraftVsHostDisease=3|ZellwegerSyndrome=3|HearingLoss=2|	chr6	(GRCh38.p13)	31810169	HSPA1L	Missense variant	Single nucleotide variation	13	0.5
rs2763979	|Schizophrenia=4|Schizophrenia_Paranoid=3|KidneyDiseases=2|HearingLoss=2|Arthritis_Rheumatoid=2|	chr6	(GRCh38.p13)	31826815	HSPA1B	2KB upstream variant	Single nucleotide variation	12	0.5
rs3918249	|Glaucoma=11|EndometrialNeoplasms=8|Asthma=6|FemurHeadNecrosis=3|BreastNeoplasms=2|	chr20	(GRCh38.p13)	46009497	MMP9	Intron variant	Single nucleotide variation	2	0.5
rs1801133	|Neoplasms=960|ColorectalNeoplasms=855|Hyperhomocysteinemia=853|BreastNeoplasms=781|Schizophrenia=624|	chr1	(GRCh38.p13)	11796321	MTHFR	Missense variant	Single nucleotide variation	2	0.5
rs3814762	|Hyperopia=3|CornealDystrophyAvellinoType=1|Microphthalmos=1|	chr11	(GRCh38.p13)	119345794	MFRP	Missense variant||C1QTNF5|5 prime UTR variant	Single nucleotide variation	2	0.5
rs3025039	|BreastNeoplasms=228|Neoplasms=126|Carcinoma_RenalCell=116|GlycogenStorageDiseaseTypeII=69|Endometriosis=59|	chr6	(GRCh38.p13)	43784799	POLR1C	Intron variant||VEGFA|3 prime UTR variant	Single nucleotide variation	4	0.5
rs6457452	|AlopeciaAreata=5|Schizophrenia=4|Schizophrenia_Paranoid=3|Malaria=2|Anemia=2|	chr6	(GRCh38.p13)	31827773	HSPA1B	5 Prime UTR variant	Single nucleotide variation	4	0.5
rs10892958	|	chr11	(GRCh38.p13)	123061415	HSPA8	Intron	Single nucleotide	2	0.5

						variant||SNORD14C|2KB Upstream Variant||LOC101929289|2KB upstream variant	variation		
rs1800629	|Neoplasms=501|Arthritis_Rheumatoid=280|Obesity=249|DiabetesMellitus=224|Asthma=211|	chr6	(GRCh38.p13)	31575254	TNF	2KB upstream variant	Single nucleotide variation	7	0.5
rs1799983	|Hypertension=506|CoronaryArteryDisease=285|MyocardialInfarction=197|DiabetesMellitus=161|CerebralInfarction=95|	chr7	(GRCh38.p13)	150999023	NOS3	Missense variant	Single nucleotide variation	4	0.5
rs2072633	|GlycogenStorageDiseaseTypeII=9|Polyps=1|AtaxiaTelangiectasia=1|Lymphoma_Non_Hodgkin=1|ComplementFactorHDeficiency=1|	chr6	(GRCh38.p13)	31951801	CFB	Intron variant||NELFE|500B downstream variant	Single nucleotide variation	2	0.5
rs909253	|MigraineDisorders=53|StomachNeoplasms=42|Arthritis_Rheumatoid=42|Schizophrenia=33|Neoplasms=25|	chr6	(GRCh38.p13)	31572536	LTA	Intron variant||LOC100287329|intron variant	Single nucleotide variation	2	0.5
rs6198	|DiabetesMellitus=18|CushingSyndrome=18|Arthritis_Rheumatoid=15|Obesity=14|DepressiveDisorder=12|	chr5	(GRCh38.p13)	143278056	NR3C1	Non-coding transcript variant	Single nucleotide variation	11	0.5
rs33389	|Arthritis_Rheumatoid=5|DepressiveDisorder_Major=4|NephroticSyndrome=2|Pain=1|PrecursorCellLymphoblasticLeukemia_Lymphoma=1|	chr5	(GRCh38.p13)	143320934	NR3C1	Intron variant	Single nucleotide variation	2	0.5
rs9399137	|AtaxiaTelangiectasia=19|beta_Thalassemia=5|alpha_Thalassemia=2|Thalassemia=2|Anemia_SickleCell=2|	chr6	(GRCh38.p13)	135097880			Single nucleotide variation	3	0.5
rs7482144	|beta_Thalassemia=10|Anemia_SickleCell=7|Anemia=4|SandhoffDisease=3|HypophosphatemicBoneDisease=3|	chr11	(GRCh38.p13)	5254939	HBG2	2KB upstream variant	Single nucleotide variation	2	0.5
rs7606173	|CoronaryArteryDisease=2|BreastNeoplasms=2|MultipleSclerosis=2|CoronaryDisease=2|ProstaticNeoplasms=2|	chr2	(GRCh38.p13)	60498316	BCL11A	Intron variant	Single nucleotide variation	2	0.5
rs11886868	|beta_Thalassemia=14|SandhoffDisease=8|Leukoplakia=7|Anemia_SickleCell=4|Anemia=3|	chr2	(GRCh38.p13)	60493111	BCL11A	Intron variant	Single nucleotide variation	3	0.5
rs2736100	|Neoplasms=288|LungNeoplasms=243|Glioma=142|AdenocarcinomaOfLung=75|MyeloproliferativeDisorders=53|	chr5	(GRCh38.p13)	1286401	TERT	Intron variant	Single nucleotide variation	3	0.5
rs6265	|DepressiveDisorder=1562|Schizophrenia=709|AnxietyDisorders=644|AlzheimerDisease=400|BipolarDisorder=369|	chr11	(GRCh38.p13)	27658369	BDNF	Missense variant||BDNF-AS|Non-coding transcript variant	Single nucleotide variation	8	0.5
rs1410996	|GlycogenStorageDiseaseTypeII=143|ComplementFactorHDeficiency=7|Atrophy=7|RetinalNeovascularization=5|DiabeticRetinopathy=4|	chr1	(GRCh38.p13)	196727803	CFH	Intron variant	Single nucleotide variation	2	0.5
rs1800795	|Neoplasms=305|Obesity=269|DiabetesMellitus=221|Arthritis_Rheumatoid=203|Sepsis=191|	chr7	(GRCh38.p13)	22727026	IL6	Intron variant||IL6-AS1|intron variant	Single nucleotide variation	4	0.5
rs3753841	|Glaucoma_Angle_Closure=8|Osteoarthritis_Hip=5|Glaucoma=4|Osteoarthritis=3|DiabetesMellitus=2|	chr1	(GRCh38.p13)	102914362	COL11A1	Missense variant	Single nucleotide variation	3	0.5
rs11549465	|Neoplasms=355|BreastNeoplasms=116|ProstaticNeoplasms=98|Glioma=58|MultipleMyeloma=54|	chr14	(GRCh38.p13)	61740839	HIF1A	Missense variant||HIF1A-AS3|intron variant	Single nucleotide variation	2	0.5
rs833061	|Neoplasms=90|LungNeoplasms=89|GlycogenStorageDiseaseTypeII=70|ColorectalNeoplasms=54|Carcinoma_Non_Small_CellLung=51|	chr6	(GRCh38.p13)	43769749	POLR1C	Intron variant||VEGFA|2KB upstream variant	Single nucleotide variation	2	0.5
rs2010963	|Neoplasms=121|Carcinoma_RenalCell=121|DiabetesMellitus=86|Endometriosis=82|BreastNeoplasms=81|	chr6	(GRCh38.p13)	43770613	POLR1C	Intron variant||VEGFA|5 Prime UTR variant	Single nucleotide variation	4	0.5
rs1801157	|Neoplasms=154|BreastNeoplasms=76|AcquiredImmunodeficiencySyndrome=62|HIVInfections=55|ColorectalNeoplasms=46|	chr10	(GRCh38.p13)	44372809	CXCL12	Intron variant	Single nucleotide variation	2	0.5
rs1570360	|Carcinoma_RenalCell=68|BreastNeoplasms=52|Neoplasms=50|Arthritis_Rheumatoid=29|Endometriosis=27|	chr6	(GRCh38.p13)	43770093	POLR1C	Intron variant||VEGFA|2K	Single nucleotide variation	2	0.5

						B upstream variant			
rs699947	|Carcinoma_RenalCell=133|Neoplasms=128|LungNeoplasms=107|BreastNeoplasms=100|GlycogenStorageDiseaseTypeII=56|	chr6	(GRCh38.p13)	43768652	POLR1C	Intron variant||VEGFA|2KB upstream variant	Single nucleotide variation	3	0.5
rs361525	|Psoriasis=112|Neoplasms=110|Arthritis_Rheumatoid=71|BreastNeoplasms=59|DiabetesMellitus=52|	chr6	(GRCh38.p13)	31575324	TNF	2KB upstream variant	Single nucleotide variation	2	0.5
rs2070358	|	chr21	(GRCh38.p13)	34449972	KCNE1	Intron variant	Single nucleotide variation	3	0.5
rs1800587	|AlzheimerDisease=91|LupusErythematosus_Systemic=58|Neoplasms=45|Periodontitis=39|IntervertebralDiscDisease=38|	chr2	(GRCh38.p13)	112785383	IL1A	2KB upstream variant	Single nucleotide variation	2	0.5
rs7903146	|DiabetesMellitus=891|DiabetesMellitus_Type2=346|Obesity=198|BreastNeoplasms=61|ColorectalNeoplasms=49|	chr10	(GRCh38.p13)	112998590	TCF7L2	Intron variant	Single nucleotide variation	5	0.5
rs2968909	|PolycysticOvarySyndrome=9|	chr12	(GRCh38.p13)	2788698	ITFG2-AS1	Intron variant	Single nucleotide variation	2	0.5
rs7192	|DrugHypersensitivity=17|FoodHypersensitivity=6|Uveitis_Anterior=3|MilkHypersensitivity=2|Sarcoidosis=2|	chr6	(GRCh38.p13)	32443869	HLA-DRA	Missense variant	Single nucleotide variation	2	0.5
rs1042522	|Neoplasms=766|BreastNeoplasms=424|ColorectalNeoplasms=162|Neuroblastoma=96|LungNeoplasms=94|	chr17	(GRCh38.p13)	7676154	TP53	Missense variant	Single nucleotide variation	3	0.5
rs662799	|MetabolicDiseases=123|Obesity=113|CoronaryArteryDisease=90|CerebralInfarction=69|Dyslipidemias=63|	chr11	(GRCh38.p13)	116792991	APOA5	2KB upstream variant	Single nucleotide variation	2	0.5
rs7412	|AlzheimerDisease=107|Obesity=24|DepressiveDisorder=23|DiabetesMellitus=23|DepressiveDisorder_Major=22|	chr19	(GRCh38.p13)	44908822	APOE	Missense variant	Single nucleotide variation	5	0.5
rs429358	|AlzheimerDisease=170|PattersonStevensonSyndrome=29|Dementia=28|DepressiveDisorder=25|DepressiveDisorder_Major=22|	chr19	(GRCh38.p13)	44908684	APOE	Missense variant	Single nucleotide variation	3	0.5
rs279858	|AlzheimerDisease=15|Alcoholism=12|Disruptive_ImpulseControl_AndConductDisorders=9|HeadacheDisorders_Secondary=6|Schizophrenia=5|	chr4	(GRCh38.p13)	46312576	GABRA2	Missense variant	Single nucleotide variation	5	0.5
rs4680	|Schizophrenia=1145|Pain=523|DepressiveDisorder=365|ParkinsonDisease=357|Psychoses_Substance_Induced=351|	chr22	(GRCh38.p13)	19963748	COMT	Missense variant||MIR4761|2KB upstream variant	Single nucleotide variation	6	0.5
rs1360780	|DepressiveDisorder=175|StressDisorders_Post_Traumatic=156|WoundsAndInjuries=146|DepressiveDisorder_Major=88|MentalDisorders=41|	chr6	(GRCh38.p13)	35639794	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	151	0.5
rs143384	|Osteoarthritis=16|HipDislocation_Congenital=5|Osteoarthritis_Knee=2|Osteoarthritis_Hip=2|AtaxiaTelangiectasia=2|	chr20	(GRCh38.p13)	35437976	GDF5	5 Prime UTR variant	Single nucleotide variation	2	0.5
rs53576	|DepressiveDisorder=247|AutisticDisorder=245|AnxietyDisorders=98|CognitionDisorders=86|MentalDisorders=75|	chr3	(GRCh38.p13)	8762685	OXTR	Intron variant	Single nucleotide variation	3	0.5
rs1799971	|Pain=889|PainInsensitivity_Congenital=339|Neoplasms=134|Alcoholism=112|RespiratoryInsufficiency=84|	chr6	(GRCh38.p13)	154039662	OPRM1	Missense variant	Single nucleotide variation	7	0.5
rs13266634	|DiabetesMellitus=316|DiabetesMellitus_Type2=120|GlucoseIntolerance=34|Obesity=28|PancreaticIsletCellTumors=23|	chr8	(GRCh38.p13)	117172544	SLC30A8	Missense variant||LOC105375716|intron variant	Single nucleotide variation	2	0.5
rs1800497	|Schizophrenia=95|StressDisorders_Post_Traumatic=45|DepressiveDisorder=44|ParkinsonDisease=43|Obesity=42|	chr11	(GRCh38.p13)	113400106	ANKK1	Missense variant	Single nucleotide variation	2	0.5
rs2832407	|AlzheimerDisease=5|Alcoholism=5|WeightLoss=2|DepressiveDisorder=2|DiabetesMellitus_Type2=1|	chr21	(GRCh38.p13)	29595188	GRIK1	Intron variant||GRIK1-AS2|2KB upstream variant	Single nucleotide variation	9	0.5
rs6923761	|Obesity=23|WeightLoss=20|DiabetesMellitus=2|DiabetesMellitus_Type2=2|MetabolicDiseases=1|	chr6	(GRCh38.p13)	39066296	GLP1R	Missense variant	Single nucleotide variation	2	0.5
rs1426654	|PigmentationDisorders=66|Skin_Hair_EyePigmentation_VariationIn_4=4|Malaria=4|ProstaticNeoplasms=2|DiabetesMellitus_Type2=2|	chr15	(GRCh38.p13)	48134287	SLC24A5	Missense variant||MYEF2|500B downstream variant	Single nucleotide variation	3	0.5
rs16891982	|Melanoma=44|PigmentationDisorders=43|SkinNeoplasms=10|Skin_	chr5	(GRCh38.p13)	33951588	SLC45A2	Missense variant	Single nucleotide	3	0.5

	Hair_EyePigmentation_VariationIn_4=6|Neoplasms=4|						variation		
rs1260326	|DiabetesMellitus=161|Obesity=50|DiabetesMellitus_Type2=42|MetabolicDiseases=35|FattyLiver=35|	chr2	(GRCh38.p13)	27508073	GCKR	Missense variant	Single nucleotide variation	2	0.5
rs2231142	|Gout=231|Hyperuricemia=144|Neoplasms=133|Drug_RelatedSideEffectsAndAdverseReactions=104|ProstaticNeoplasms=61|	chr4	(GRCh38.p13)	88131171	ABCG2	Missense variant	Single nucleotide variation	2	0.5
rs10490924	|GlycogenStorageDiseaseTypeII=1052|ChoroidDiseases=85|Atrophy=48|Choroiditis=33|MacularDegeneration=30|	chr10	(GRCh38.p13)	122454932	ARMS2	Missense variant||LOC105378525|intron variant	Single nucleotide variation	4	0.5
rs12913832	|PigmentationDisorders=18|Melanoma=10|Skin_Hair_EyePigmentation_VariationIn_6=10|IrisDiseases=7|Skin_Hair_EyePigmentation_VariationIn_9=6|	chr15	(GRCh38.p13)	28120472	HERC2	Intron variant	Single nucleotide variation	2	0.5
rs10811661	|DiabetesMellitus=161|DiabetesMellitus_Type2=65|Obesity=27|Dyslipidemias=13|CoronaryArteryDisease=10|	chr9	(GRCh38.p13)	22134095			Single nucleotide variation	2	0.5
rs2479409	|DiabetesMellitus=3|FattyLiver=3|HeartFailure=2|Non_alcoholicFattyLiverDisease=2|CoronaryDisease=2|	chr1	(GRCh38.p13)	55038977	PCSK9	2KB upstream variant	Single nucleotide variation	2	0.5
rs11206510	|CerebralInfarction=24|MyocardialInfarction=9|CoronaryArteryDisease=8|CoronaryDisease=7|Stroke=7|	chr1	(GRCh38.p13)	55030366			Single nucleotide variation	2	0.5
rs1229984	|Neoplasms=111|EsophagealNeoplasms=67|AlzheimerDisease=57|Alcoholism=54|ColorectalNeoplasms=27|	chr4	(GRCh38.p13)	99318162	ADH1B	Missense variant	Single nucleotide variation	3	0.5
rs2066702	|AlzheimerDisease=15|HeadacheDisorders_Secondary=7|Neoplasms=3|Flushing=3|TouretteSyndrome=3|	chr4	(GRCh38.p13)	99307860	ADH1B	Missense variant	Single nucleotide variation	2	0.5
rs910080	|Cocaine_RelatedDisorders=5|Alcoholism=3|Opioid_RelatedDisorders=2|AlzheimerDisease=2|Dementia=1|	chr20	(GRCh38.p13)	1979580	PDYN-AS1	Intron variant||PDYN|3 prime UTR variant	Single nucleotide variation	2	0.5
rs3087456	|Arthritis_Rheumatoid=88|MultipleSclerosis=22|AutoimmuneDiseases=16|LupusErythematosus_Systemic=10|Fractures_Bone=9|	chr16	(GRCh38.p13)	10877045	CIITA	Intron variant||LOC105371080|intron variant	Single nucleotide variation	2	0.5
rs1761667	|Obesity=49|Hypertension=20|DiabetesMellitus_Type2=16|MetabolicDiseases=12|IntestinalPolyposis=11|	chr7	(GRCh38.p13)	80615623	CD36	Intron variant	Single nucleotide variation	3	0.5
rs8050136	|Obesity=334|DiabetesMellitus=116|DiabetesMellitus_Type2=42|PolycysticOvarySyndrome=34|Neoplasms=23|	chr16	(GRCh38.p13)	53782363	FTO	Intron variant	Single nucleotide variation	2	0.5
rs9939609	|Obesity=2301|DiabetesMellitus=360|PolycysticOvarySyndrome=186|MetabolicDiseases=182|DiabetesMellitus_Type2=140|	chr16	(GRCh38.p13)	53786615	FTO	Intron variant	Single nucleotide variation	3	0.5
rs694066	|DepressiveDisorder_Major=12|DepressiveDisorder=2|Alcoholism=1|Protein_EnergyMalnutrition=1|WolmanDisease=1|	chr11	(GRCh38.p13)	68685517	GAL	Intron variant||LOC107984343|intron variant	Single nucleotide variation	2	0.5
rs1128503	|Drug_RelatedSideEffectsAndAdverseReactions=76|Neoplasms=64|BreastNeoplasms=52|Epilepsy=49|AtaxiaTelangiectasia=45|	chr7	(GRCh38.p13)	87550285	ABCB1	Synonymous variant	Single nucleotide variation	2	0.5
rs248793	|AlzheimerDisease=7|BreastNeoplasms=1|StatusEpilepticus=1|Alcoholism=1|	chr5	(GRCh38.p13)	6633666	SRD5A1	Missense variant||NSUN2|2KB upstream variant	Single nucleotide variation	2	0.5
rs1045642	|Epilepsy=413|BreastNeoplasms=355|Neoplasms=224|Drug_RelatedSideEffectsAndAdverseReactions=198|ColorectalNeoplasms=174|	chr7	(GRCh38.p13)	87509329	ABCB1	Missense variant	Single nucleotide variation	3	0.5
rs2032582	|Drug_RelatedSideEffectsAndAdverseReactions=60|Leukemia=40|Neoplasms=39|Epilepsy=36|DepressiveDisorder=27|	chr7	(GRCh38.p13)	87531302	ABCB1	Missense variant	Single nucleotide variation	3	0.5
rs738409	|FattyLiver=1405|Non_alcoholicFattyLiverDisease=1075|Fibrosis=943|Obesity=521|Carcinoma_Hepatocellular=391|	chr22	(GRCh38.p13)	43928847	PNPLA3	Missense variant	Single nucleotide variation	3	0.5
rs3093062	|Inflammation=3|DiabetesMellitus=2|Obesity=2|Arthritis_Rheumatoid=2|LupusErythematosus_Systemic=1|	chr1	(GRCh38.p13)	159714894	CRP	2KB upstream variant	Single nucleotide variation	2	0.5
rs9344	|Neoplasms=346|ColorectalNeoplasms=266|BreastNeoplasms=147|LungNeoplasms=70|Glioma=68|	chr11	(GRCh38.p13)	69648142	CCND1	Synonymous variant	Single nucleotide variation	2	0.5
rs1495741	|UrinaryBladderNeoplasms=65|DiabetesMellitus=17|ChemicalAndDrugInducedLiverInjury=16|Tuberculosis=6|Neoplasms=6|	chr8	(GRCh38.p13)	18415371			Single nucleotide variation	2	0.5
rs1042713	|Asthma=185|Obesity=120|Hypertension=61|DiabetesMellitus=18|HeartFailure=16|	chr5	(GRCh38.p13)	148826877	ADRB2	Missense variant	Single nucleotide variation	2	0.5

rs3800373	|StressDisorders_Post_Traumatic=88|WoundsAndInjuries=60|DepressiveDisorder=54|DepressiveDisorder_Major=28|HeadacheDisorders_Secondary=15|	chr6	(GRCh38.p13)	35574699	FKBP5	3 Prime UTR variant||LOC101929309|intron Variant	Single nucleotide variation	71	0.5
rs7776725	|Fractures_Bone=7|Osteoporosis=6|Retinoschisis=4|HepaticVeno_OcclusiveDisease=2|ProperdinDeficiency_X_linked=1|	chr7	(GRCh38.p13)	121393067	FAM3C	Intron variant	Single nucleotide variation	2	0.5
rs9271366	|LupusErythematosus_Systemic=36|ZellwegerSyndrome=3|MultipleSclerosis=3|Arthritis_Rheumatoid=2|Chromosome11p_PartialDeletion=2|	chr6	(GRCh38.p13)	32619077			Single nucleotide variation	2	0.5
rs2236647	|Asthma=7|AtaxiaTelangiectasia=2|Adenomyosis=1|	chr11	(GRCh38.p13)	64197133	STIP1	Intron variant	Single nucleotide variation	6	0.5
rs37972	|Asthma=22|Arthritis_Rheumatoid=3|Meningitis_Bacterial=3|NephroticSyndrome=3|Hypertension=2|	chr7	(GRCh38.p13)	7967878	GLCCI1-DT	Intron variant||GLCCI1|2KB upstream variant	Single nucleotide variation	4	0.5
rs37973	|Asthma=64|PulmonaryDisease_ChronicObstructive=4|Sarcoma_Kaposi=2|Mutism=1|Eosinophilia=1|	chr7	(GRCh38.p13)	7968245	GLCCI1-DT	Intron variant||GLCCI1|2KB upstream variant	Single nucleotide variation	3	0.5
rs2236648	|Asthma=2|AtaxiaTelangiectasia=2|DrugHypersensitivity=1|	chr11	(GRCh38.p13)	64197185	STIP1	Intron variant	Single nucleotide variation	2	0.5
rs4980524	|AtaxiaTelangiectasia=2|Adenomyosis=2|Endometriosis=2|EndometrialNeoplasms=2|Asthma=2|	chr11	(GRCh38.p13)	64191787	STIP1	Intron variant	Single nucleotide variation	2	0.5
rs242941	|Asthma=16|DepressiveDisorder=14|DepressiveDisorder_Major=14|AnxietyDisorders=5|IntellectualDisability=3|	chr17	(GRCh38.p13)	45815154	CRHR1	Intron variant||LINC02210-CRHR1|Intron Variant	Single nucleotide variation	2	0.5
rs7748266	|PsychoticDisorders=7|AnxietyDisorders=2|DepressiveDisorder=2|WoundsAndInjuries=2|StressDisorders_Post_Traumatic=2|	chr6	(GRCh38.p13)	35624967	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	8	0.5
rs9296158	|StressDisorders_Post_Traumatic=86|WoundsAndInjuries=56|DepressiveDisorder=32|HeadacheDisorders_Secondary=15|Psychoses_Substance_Induced=13|	chr6	(GRCh38.p13)	35599305	FKBP5	Intron variant||LOC112267956|2KB upstream variant	Single nucleotide variation	45	0.5
rs3764261	|GlycogenStorageDiseaseTypeII=86|DiabetesMellitus=36|CardiovascularDiseases=25|Dyslipidemias=24|MetabolicDiseases=19|	chr16	(GRCh38.p13)	56959412			Single nucleotide variation	3	0.5
rs780094	|DiabetesMellitus=213|DiabetesMellitus_Type2=59|Obesity=58|FattyLiver=42|Non_alcoholicFattyLiverDisease=26|	chr2	(GRCh38.p13)	27518370	GCKR	Intron variant	Single nucleotide variation	2	0.5
rs12203592	|Melanoma=76|SkinNeoplasms=47|Neoplasms=28|PigmentationDisorders=18|ProstaticNeoplasms=9|	chr6	(GRCh38.p13)	396321	IRF4	Intron variant	Single nucleotide variation	2	0.5
rs4958847	|CrohnDisease=20|Colitis_Ulcerative=8|GaucherDisease=8|Hypertension=5|GeneticDiseases_Inborn=4|	chr5	(GRCh38.p13)	150860025	IRGM	Intron variant	Single nucleotide variation	2	0.5
rs1799998	|Hypertension=250|AtrialFibrillation=96|CerebralInfarction=28|Stroke=22|DiabetesMellitus=20|	chr8	(GRCh38.p13)	142918184	CYP11B2	2KB upstream variant	Single nucleotide variation	4	0.5
rs7041	|Neoplasms=65|BreastNeoplasms=58|Asthma=56|ProstaticNeoplasms=48|ColorectalNeoplasms=40|	chr4	(GRCh38.p13)	71752617	GC	Missense bariant	Single nucleotide variation	2	0.5
rs2282679	|AdrenalInsufficiency=19|ColorectalNeoplasms=18|Neoplasms=16|DiabetesMellitus=13|Melanoma=12|	chr4	(GRCh38.p13)	71742666	GC	Intron variant	Single nucleotide variation	2	0.5
rs1061170	|GlycogenStorageDiseaseTypeII=1019|ComplementFactorHDeficiency=46|Atrophy=39|RenalInsufficiency=38|Hyperlipidemias=37|	chr1	(GRCh38.p13)	196690107	CFH	Missense variant	Single nucleotide variation	3	0.5
rs10946398	|DiabetesMellitus=42|DiabetesMellitus_Type2=25|Obesity=11|InsulinResistance=6|GlucoseMetabolismDisorders=3|	chr6	(GRCh38.p13)	20660803	CDKAL1	Intron variant	Single nucleotide variation	2	0.5
rs8192678	|DiabetesMellitus=106|Hypertension=59|Obesity=52|DiabetesMellitus_Type2=41|GlucoseIntolerance=21|	chr4	(GRCh38.p13)	23814039	PPARGC1A	Missense variant	Single nucleotide variation	2	0.5
rs2237892	|DiabetesMellitus=111|DiabetesMellitus_Type2=39|Obesity=23|Hypertension=10|Arthritis_Rheumatoid=7|	chr11	(GRCh38.p13)	2818521	KCNQ1	Intron variant	Single nucleotide variation	2	0.5
rs1014290	|ParkinsonDisease=34|DiabetesMellitus=11|Gout=5|MetabolicDiseases=5|Hypertension=4|	chr4	(GRCh38.p13)	10000237	SLC2A9	Intron variant||SLC2A9-	Single nucleotide variation	2	0.5

						AS1|intron variant			
rs7294919	|Schizophrenia=21|DepressiveDisorder=5|DepressiveDisorder_Major=5|AlzheimerDisease=4|MyelodysplasticSyndromes=3|	chr12	(GRCh38.p13)	116889787			Single nucleotide variation	2	0.5
rs5522	|Hypertension=14|DepressiveDisorder=12|Hypertension_Pregnancy_Induced=4|Hypertrophy_LeftVentricular=4|HypothalamicNeoplasms=4|	chr4	(GRCh38.p13)	148436323	NR3C2	Missense variant	Single nucleotide variation	30	0.5
rs2070951	|DepressiveDisorder=7|Hypertension_Pregnancy_Induced=4|Hypertension=4|Atherosclerosis=2|AttentionDeficitDisorderWithHyperactivity=2|	chr4	(GRCh38.p13)	148436862	NR3C2	Non-coding transcript variant	Single nucleotide variation	24	0.5
rs41423247	|DepressiveDisorder=41|StressDisorders_Post_Traumatic=17|C564323=16|DepressiveDisorder_Major=5|DrugHypersensitivity=4|	chr5	(GRCh38.p13)	143399010	NR3C1	Intron variant	Single nucleotide variation	10	0.5
rs5569	|AttentionDeficitDisorderWithHyperactivity=74|DepressiveDisorder=47|DepressiveDisorder_Major=43|Schizophrenia=16|AtaxiaTelangiectasia=10|	chr16	(GRCh38.p13)	55697923	SLC6A2	Missense variant	Single nucleotide variation	2	0.5
rs2540923	|	chr2	(GRCh38.p13)	36867802	STRN	Intron variant	Single nucleotide variation	2	0.5
rs5534	|Hypertension_Pregnancy_Induced=4|WoundsAndInjuries=2|MyocardialInfarction=2|DepressiveDisorder=1|Hypertension=1|	chr4	(GRCh38.p13)	148079934	NR3C2	Non-coding transcript variant	Single nucleotide variation	4	0.5
rs5525	|Hypotension=2|HypothalamicNeoplasms=2|FeedingAndEatingDisorders=1|DepressiveDisorder=1|MemoryDisorders=1|	chr4	(GRCh38.p13)	148435364	NR3C2	Missense variant	Single nucleotide variation	3	0.5
rs10482605	|StressDisorders_Post_Traumatic=4|DepressiveDisorder=4|AttentionDeficitDisorderWithHyperactivity=3|AbuseDwarfismSyndrome=2|DepressiveDisorder_Major=2|	chr5	(GRCh38.p13)	143403956	NR3C1	Intron variant	Single nucleotide variation	2	0.5
rs6190	|GrowthDisorders=6|DepressiveDisorder=4|BipolarDisorder=4|MuscularAtrophy=3|Dementia=3|	chr5	(GRCh38.p13)	143400772	NR3C1	Missense variant	Single nucleotide variation	4	0.5
rs6196	|DepressiveDisorder_Major=4|ChronicDisease=2|DepressiveDisorder=2|MuscularAtrophy=2|Fatigue=2|	chr5	(GRCh38.p13)	143281925	NR3C1	Synonymous variant	Single nucleotide variation	3	0.5
rs6189	|AttentionDeficitDisorderWithHyperactivity=3|DepressiveDisorder=3|StressDisorders_Post_Traumatic=3|DrugHypersensitivity=2|CardiovascularDiseases=2|	chr5	(GRCh38.p13)	143400774	NR3C1	Missense variant	Single nucleotide variation	6	0.5
rs10052957	|Schizophrenia=5|BipolarDisorder=3|DepressiveDisorder=2|NephroticSyndrome=2|DepressiveDisorder_Major=2|	chr5	(GRCh38.p13)	143407136	NR3C1	Intron variant	Single nucleotide variation	5	0.5
rs6810951	|Hypertension=1|	chr4	(GRCh38.p13)	148162961	NR3C2	Intron variant	Single nucleotide variation	2	0.5
rs4635799	|Left_RightAxisMalformations=1|AnxietyDisorders=1|AbuseDwarfismSyndrome=1|Phenylketonurias=1|	chr4	(GRCh38.p13)	148429375	NR3C2	Intron variant	Single nucleotide variation	2	0.5
rs2070950	|Hypertension=1|	chr4	(GRCh38.p13)	148437220	NR3C2	Intron variant	Single nucleotide variation	2	0.5
rs11174811	|Hypertension=16|x300082=3|AnxietyDisorders=3|MyocardialInfarction=2|Substance_RelatedDisorders=1|	chr12	(GRCh38.p13)	63146696	AVPR1A	3 Prime UTR variant	Single nucleotide variation	2	0.5
rs6195								5	0.5
rs800292	|GlycogenStorageDiseaseTypeII=359|ChoroidDiseases=59|Choroiditis=38|Uveitis=18|DiabetesMellitus=17|	chr1	(GRCh38.p13)	196673103	CFH	Missense variant	Single nucleotide variation	2	0.5
rs1065489	|DiabetesMellitus=20|GlycogenStorageDiseaseTypeII=12|LupusErythematosus_Systemic=9|MeningococcalInfections=9|KidneyDiseases=7|	chr1	(GRCh38.p13)	196740644	CFH	Missense variant	Single nucleotide variation	2	0.5
rs1329428	|GlycogenStorageDiseaseTypeII=52|Choroiditis=4|CentralSerousChorioretinopathy=3|HeartFailure=3|ComplementFactorHDeficiency=2|	chr1	(GRCh38.p13)	196733680	CFH	Intron variant	Single nucleotide variation	2	0.5
rs2284664	|GlycogenStorageDiseaseTypeII=3|RetinalDiseases=2|x217000=1|ComplementFactorHDeficiency=1|CentralSerousChorioretinopathy=1|	chr1	(GRCh38.p13)	196733395	CFH	Intron variant	Single nucleotide variation	2	0.5
rs3753394	|Anemia_HereditarySpherocyticHemolytic=42|GlycogenStorageDiseaseTypeII=22|Dengue=7|Infections=4|ComplementFactorHDeficiency=3|	chr1	(GRCh38.p13)	196651787	CFH	2KB upstream variant	Single nucleotide variation	2	0.5
rs110402	|DepressiveDisorder=108|WoundsAndInjuries=36|DepressiveDisord	chr17	(GRCh38.p13)	45802681	CRHR1	Intron	Single nucleotide	7	0.5

	er_Major=28|StressDisorders_Post_Traumatic=23|IrritableBowelSyndrome=19|					variant||LINC02210-CRHR1|intron variant	variation		
rs9394309	|PsychoticDisorders=6|DepressiveDisorder=3|InsulinResistance=2|GlucoseIntolerance=2|AnxietyDisorders=2|	chr6	(GRCh38.p13)	35654004	FKBP5	Intron variant	Single nucleotide variation	11	0.5
rs12944712	|HeadacheDisorders_Secondary=5|StressDisorders_Traumatic=3|StressDisorders_Post_Traumatic=3|DepressiveDisorder_Major=2|PediatricObesity=2|	chr17	(GRCh38.p13)	45793781	CRHR1	Intron variant||LINC02210-CRHR1|intron variant	Single nucleotide variation	2	0.5
rs7728378	|WoundsAndInjuries=11|DepressiveDisorder=3|AnxietyDisorders=3|StressDisorders_Post_Traumatic=1|MentalDisorders=1|	chr5	(GRCh38.p13)	76963525	CRHBP	Intron variant	Single nucleotide variation	2	0.5
rs3777747	|DepressiveDisorder_Major=3|AnxietyDisorders=2|WoundsAndInjuries=2|NeckPain=1|DepressiveDisorder=1|	chr6	(GRCh38.p13)	35611225	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	4	0.5
rs2766533	|	chr6	(GRCh38.p13)	35717713	FKBP5	Intron variant	Single nucleotide variation	3	0.5
rs1040288	|KidneyDiseases=1|	chr4	(GRCh38.p13)	148126966	NR3C2	Intron variant	Single nucleotide variation	2	0.5
rs5443	|Hypertension=417|Obesity=251|DepressiveDisorder=129|IrritableBowelSyndrome=107|Dysautonomia_Familial=105|	chr12	(GRCh38.p13)	6845711	GNB3	Synonymous Variant||CDCA3|Non-coding transcript variant	Single nucleotide variation	2	0.5
rs1049673	|CoronaryDisease=7|MetabolicDiseases=6|DiabetesMellitus_Type2=5|DiabetesMellitus=4|IntestinalPolyposis=3|	chr7	(GRCh38.p13)	80677034	CD36	3 Prime UTR variant	Single nucleotide variation	2	0.5
rs1984112	|IntestinalPolyposis=9|AdenomatousPolyposisColi=6|Amyloidosis_Hereditary_Transthyretin_Related=5|SystemicCarnitineDeficiency=3|Anemia_SickleCell=2|	chr7	(GRCh38.p13)	80613604	CD36	Intron variant	Single nucleotide variation	2	0.5
rs10873531	|LupusErythematosus_Systemic=2|	chr14	(GRCh38.p13)	102101959	HSP90AA1	Synonymous variant	Single nucleotide variation	2	0.5
rs2070325	|CardiovascularDiseases=2|DiabetesMellitus=1|Hypotension=1|VascularDiseases=1|	chr20	(GRCh38.p13)	33086040	BPIFB4	Missense variant	Single nucleotide variation	2	0.5
rs13296	|	chr6	(GRCh38.p13)	44250383	HSP90AB1	Missense variant||POLR1C|intron variant	Single nucleotide variation	3	0.5
rs2070908	|	chr12	(GRCh38.p13)	103930404	HSP90B1	2KB upstream variant||MIR3652|2KB Upstream variant||TTC41P|2KB upstream variant	Single nucleotide variation	2	0.5
rs9470080	|StressDisorders_Post_Traumatic=110|WoundsAndInjuries=47|DepressiveDisorder=37|DepressiveDisorder_Major=18|HeadacheDisorders_Secondary=15|	chr6	(GRCh38.p13)	35678658	FKBP5	Intron variant	Single nucleotide variation	43	0.5
rs737054	|WoundsAndInjuries=3|DepressiveDisorder_Major=2|Schizophrenia=1|AttentionDeficitDisorderWithHyperactivity=1|MentalDisorders=1|	chr6	(GRCh38.p13)	35607710	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	4	0.5
rs4713916	|DepressiveDisorder=18|DepressiveDisorder_Major=11|WoundsAndInjuries=9|AbuseDwarfismSyndrome=7|AnxietyDisorders=6|	chr6	(GRCh38.p13)	35702206	FKBP5	Intron variant	Single nucleotide variation	24	0.5
rs9470079	|WoundsAndInjuries=1|NeckPain=1|	chr6	(GRCh38.p13)	35675286	FKBP5	Intron variant	Single nucleotide variation	3	0.5
rs2817032	|Pain=6|WoundsAndInjuries=3|NeckPain=3|MusculoskeletalPain=2|Fibromyalgia=1|	chr6	(GRCh38.p13)	35720842	FKBP5	Intron variant	Single nucleotide variation	2	0.5
rs4713902	|WoundsAndInjuries=3|DepressiveDisorder=3|AnxietyDisorders=2|DepressiveDisorder_Major=2|BipolarDisorder=1|	chr6	(GRCh38.p13)	35646249	FKBP5	Intron variant||LOC112267956|intron variant	Single nucleotide variation	10	0.5
rs7757037	|MentalDisorders=1|DepressiveDisorder_Major=1|	chr6	(GRCh38.p13)	35580459	FKBP5	Intron	Single nucleotide	2	0.5

						variant||LOC101929309|intron variant	variation		
rs755658	|PsychoticDisorders=6|DepressiveDisorder_Major=3|MitochondrialDiseases=1|EnhancedS_ConeSyndrome=1|Carcinoma=1|	chr6	(GRCh38.p13)	35581893	FKBP5	Intron variant||LOC101929309|intron variant	Single nucleotide variation	4	0.5
rs7209436	|DepressiveDisorder=49|IrritableBowelSyndrome=18|DepressiveDisorder_Major=12|AnxietyDisorders=11|PhobicDisorders=11|	chr17	(GRCh38.p13)	45792776	CRHR1	Intron variant||LINC02210-CRHR1|intron variant	Single nucleotide variation	2	0.5
rs242924	|DepressiveDisorder=50|IrritableBowelSyndrome=23|WoundsAndInjuries=14|DepressiveDisorder_Major=11|AnxietyDisorders=5|	chr17	(GRCh38.p13)	45808001	CRHR1	Intron variant||LINC0v2210-CRHR1|intron variant	Single nucleotide variation	2	0.5
rs16969968	|LungNeoplasms=320|Neoplasms=49|NorrieDisease=43|Schizophrenia=22|LungDiseases=20|	chr15	(GRCh38.p13)	78590583	CHRNA5	Missense variant	Single nucleotide variation	2	0.5
rs992105	|Psychoses_Substance_Induced=2|Pentosuria=2|DepressiveDisorder_Major=1|AttentionDeficitDisorderWithHyperactivity=1|MentalDisorders=1|	chr6	(GRCh38.p13)	35587406	FKBP5	Intron variant||LOC101929309|intron variant	Single nucleotide variation	2	0.5
rs1006737	|Schizophrenia=176|BipolarDisorder=106|DepressiveDisorder=53|MentalDisorders=40|MemoryDisorders=23|	chr12	(GRCh38.p13)	2236129	CACNA1C	Intron variant	Single nucleotide variation	2	0.5
rs9394314	|Pain=3|NeckPain=3|WoundsAndInjuries=2|EctodermalDysplasia_Hypohidrotic_WithImmuneDeficiency=1|	chr6	(GRCh38.p13)	35715282	FKBP5	Intron variant	Single nucleotide variation	2	0.5
rs6902321		chr6	(GRCh38.p13)	35702830	FKBP5	Intron variant	Single nucleotide variation	2	0.5
rs1778929	|PattersonStevensonSyndrome=20|DepressiveDisorder=6|Stroke=3|DepressiveDisorder_Major=2|AtaxiaTelangiectasia=1|	chr9	(GRCh38.p13)	84707625	NTRK2	Intron variant	Single nucleotide variation	2	0.5
rs10465180	|	chr9	(GRCh38.p13)	84777667	NTRK2	Intron variant	Single nucleotide variation	2	0.5
rs7997012	|DepressiveDisorder=26|DepressiveDisorder_Major=15|StressDisorders_Post_Traumatic=15|MentalDisorders=8|SandhoffDisease=5|	chr13	(GRCh38.p13)	46837850	HTR2A	Intron variant	Single nucleotide variation	2	0.5
rs9380526	|NeckPain=3|Pain=2|WoundsAndInjuries=2|Obesity=1|HypothalamicNeoplasms=1|	chr6	(GRCh38.p13)	35690550	FKBP5	Intron variant	Single nucleotide variation	3	0.5
rs1360870	|WoundsAndInjuries=2|AbuseDwarfismSyndrome=1|HeadacheDisorders_Secondary=1|DepressiveDisorder=1|Schizophrenia=1|	chr1	(GRCh38.p13)	80073859			Single nucleotide variation	2	0.5
rs25531	|DepressiveDisorder=144|AnxietyDisorders=54|StressDisorders_Post_Traumatic=47|IrritableBowelSyndrome=46|MentalDisorders=36|	chr17	(GRCh38.p13)	30237328	SLC6A4	2KB Upstream variant||LOC105371720|intron variant	Single nucleotide variation	2	0.5
rs6295	|DepressiveDisorder=155|MentalDisorders=50|DepressiveDisorder_Major=50|ParkinsonDisease=48|Schizophrenia=45|	chr5	(GRCh38.p13)	63962738	HTR1A	2KB Upstream variant	Single nucleotide variation	2	0.5
rs1056890	|BreastNeoplasms=5|SleepWakeDisorders=4|HepatitisC=3|Multiple Myeloma=3|Lymphedema=3|	chr10	(GRCh38.p13)	102403013	PSD	Non-coding transcript ariant||NFKB2|500B downstream variant	Single nucleotide variation	3	0.5
rs1799884	|DiabetesMellitus=57|Diabetes_Gestational=19|Hyperglycemia=16|DiabetesMellitus_Type2=12|GlucoseIntolerance=10|	chr7	(GRCh38.p13)	44189469	GCK	2KB Upstream Variant	Single nucleotide variation	2	0.5
rs7897947	|Carcinoma_Non_Small_CellLung=18|SleepWakeDisorders=8|AnxietyDisorders=2|OpitzGBBBSyndrome_X_Linked=1|DiseaseModels_Animal=1|	chr10	(GRCh38.p13)	102397954	NFKB2	Intron variant	Single nucleotide variation	2	0.5
rs12769316	|Carcinoma_Non_Small_CellLung=17|HepatitisC=7|Neoplasms=3|D001172_0_057350337460084444=3|MultipleMyeloma=2|	chr10	(GRCh38.p13)	102392994	NFKB2	2KB Upstream variant	Single nucleotide variation	3	0.5
rs10774671	|WestNileFever=20|HepatitisB=11|Infections=10|D009103_0_009015274308243029=9|DiabetesMellitus_Type1=8|	chr12	(GRCh38.p13)	112919388	OAS1	Splice acceptor variant	Single nucleotide variation	2	0.5

SNP, single nucleotide polymorphism.

Table SII. GR interactome diseases from SNPs.

Word	Count
AttentionDeficitDisorderWithHyperactivity	98
DepressiveDisorder	3,943
StressDisorders_Post_Traumatic	1,077
DrugHypersensitivity	33
CardiovascularDiseases	33
C564323	32
DepressiveDisorder_Major	647
DiabetesMellitus	3,557
CushingSyndrome	36
Arthritis_Rheumatoid	780
Obesity	4,874
GrowthDisorders	12
BipolarDisorder	498
MuscularAtrophy	14
Dementia	35
Schizophrenia	2,935
NephroticSyndrome	11
Alcoholism	195
CongenitalDisorderOfGlycosylation_TypeI_IIX	10
AntisocialPersonalityDisorder	1

PainInsensitivity_Congenital	344
Pain	1,431
Inflammation	4
SomatoformDisorders	1
Epilepsy_Absence	1
IrritableBowelSyndrome	214
ProperdinDeficiency_X_linked	3
AlcoholicIntoxication	7
LupusErythematosus_Systemic	129
Fatigue	10
ChronicDisease	11
StomachNeoplasms	78
Neoplasms	5,290
CrohnDisease	21
Phenylketonurias	4
Hypertension	1,430
CoronaryArteryDisease	427
Asthma	611
PrecursorCellLymphoblasticLeukemia_Lymphoma	5
MetabolicDiseases	389
Hyperinsulinism	2
ToothErosion	1

TripleNegativeBreastNeoplasms	1
WoundsAndInjuries	730
SubstanceWithdrawalSyndrome	1
CholesterolPneumonia	1
Disease	1
Lipodystrophy	1
Hypotension	8
FeedingAndEatingDisorders	2
HypothalamicNeoplasms	18
LungNeoplasms	924
MentalDisorders	300
AnxietyDisorders	856
PanicDisorder	1
BehcetSyndrome	2
FactorVIIDeficiency	1
SpasticParaplegia2_X_linked	1
MyocardialInfarction	211
Glaucoma	21
Psychoses_Substance_Induced	380
Infertility	6
Hypokalemia	6
Hyperandrogenism	6

Hirsutism	6
Hypertension_Pregnancy_Induced	20
Atherosclerosis	4
Hypertrophy_LeftVentricular	8
Left_RightAxisMalformations	2
AbuseDwarfismSyndrome	19
HeadacheDisorders_Secondary	109
PsychoticDisorders	38
InsulinResistance	10
GlucoseIntolerance	69
NeckPain	12
MitochondrialDiseases	2
EnhancedS_ConeSyndrome	2
Carcinoma	2
AtaxiaTelangiectasia	95
Adenomyosis	6
Endometriosis	172
EndometrialNeoplasms	12
AlzheimerDisease	901
MultipleSclerosis	33
Infertility_Male	9
DiabeticNephropathies	3

HearingLoss	6
DiabeticFoot	2
SveinssonChorioretinalAtrophy	1
Schizophrenia_Paranoid	10
HematologicDiseases	3
BreastNeoplasms	2,601
Non_alcoholicFattyLiverDisease	1,104
Cardiotoxicity	1
Sarcoidosis	7
Uveitis	23
GraftVsHostDisease	3
ZellwegerSyndrome	6
KidneyDiseases	10
FemurHeadNecrosis	3
ColorectalNeoplasms	1,691
Hyperhomocysteinemia	853
Hyperopia	3
CornealDystrophyAvellinoType	1
Microphthalmos	1
Carcinoma_RenalCell	438
GlycogenStorageDiseaseTypeII	2,952
AlopeciaAreata	5

Malaria	6
Anemia	9
CerebralInfarction	216
Polyps	1
Lymphoma_Non_Hodgkin	1
ComplementFactorHDeficiency	60
MigraineDisorders	53
beta_Thalassemia	29
alpha_Thalassemia	2
Thalassemia	2
Anemia_SickleCell	15
SandhoffDisease	16
HypophosphatemicBoneDisease	3
CoronaryDisease	18
ProstaticNeoplasms	220
Leukoplakia	7
Glioma	268
AdenocarcinomaOfLung	75
MyeloproliferativeDisorders	53
Atrophy	94
RetinalNeovascularization	5
DiabeticRetinopathy	4

Sepsis	191
Glaucoma_Angle_Closure	8
Osteoarthritis_Hip	7
Osteoarthritis	19
MultipleMyeloma	59
Carcinoma_Non_Small_CellLung	86
AcquiredImmunodeficiencySyndrome	62
HIVInfections	55
Psoriasis	112
Periodontitis	39
IntervertebralDiscDisease	38
DiabetesMellitus_Type2	957
PolycysticOvarySyndrome	229
FoodHypersensitivity	6
Uveitis_Anterior	3
MilkHypersensitivity	2
Neuroblastoma	96
Dyslipidemias	100
PattersonStevensonSyndrome	49
Disruptive_ImpulseControl_AndConductDisorders	9
ParkinsonDisease	482
HipDislocation_Congenital	5

Osteoarthritis_Knee	2
AutisticDisorder	245
CognitionDisorders	86
RespiratoryInsufficiency	84
PancreaticIsletCellTumors	23
WeightLoss	22
PigmentationDisorders	145
Skin_Hair_EyePigmentation_VariationIn_4	10
Melanoma	142
SkinNeoplasms	57
FattyLiver	1,485
Gout	236
Hyperuricemia	144
Drug_RelatedSideEffectsAndAdverseReactions	438
ChoroidDiseases	144
Choroiditis	75
MacularDegeneration	30
Skin_Hair_EyePigmentation_VariationIn_6	10
IrisDiseases	7
Skin_Hair_EyePigmentation_VariationIn_9	6
HeartFailure	21
Stroke	32

EsophagealNeoplasms	67
Flushing	3
TouretteSyndrome	3
Cocaine_RelatedDisorders	5
Opioid_RelatedDisorders	2
AutoimmuneDiseases	16
Fractures_Bone	16
IntestinalPolyposis	23
Protein_EnergyMalnutrition	1
WolmanDisease	1
Epilepsy	498
StatusEpilepticus	1
Leukemia	40
Fibrosis	943
Carcinoma_Hepatocellular	391
UrinaryBladderNeoplasms	65
ChemicalAndDrugInducedLiverInjury	16
Tuberculosis	6
Osteoporosis	6
Retinoschisis	4
HepaticVeno_OcclusiveDisease	2
Chromosome11p_PartialDeletion	2

Meningitis_Bacterial	3
PulmonaryDisease_ChronicObstructive	4
Sarcoma_Kaposi	2
Mutism	1
Eosinophilia	1
IntellectualDisability	3
Colitis_Ulcerative	8
GaucherDisease	8
GeneticDiseases_Inborn	4
AtrialFibrillation	96
AdrenalInsufficiency	19
RenalInsufficiency	38
Hyperlipidemias	37
GlucoseMetabolismDisorders	3
MyelodysplasticSyndromes	3
MemoryDisorders	24
x300082	3
Substance_RelatedDisorders	1
MeningococcalInfections	9
CentralSerousChorioretinopathy	4
RetinalDiseases	2
x217000	1

Anemia_HereditarySpherocyticHemolytic	42
Dengue	7
Infections	14
StressDisorders_Traumatic	3
PediatricObesity	2
Dysautonomia_Familial	105
AdenomatousPolyposisColi	6
Amyloidosis_Hereditary_Transthyretin_Related	5
SystemicCarnitineDeficiency	3
VascularDiseases	1
MusculoskeletalPain	2
Fibromyalgia	1
PhobicDisorders	11
NorrieDisease	43
LungDiseases	20
Pentosuria	2
EctodermalDysplasia_Hypohidrotic_WithImmuneDeficiency	1
SleepWakeDisorders	12
HepatitisC	10
Lymphedema	3
Diabetes_Gestational	19
Hyperglycemia	16

OpitzGBBBSyndrome_X_Linked	1
DiseaseModels_Animal	1
D001172_0_057350337460084444	3
WestNileFever	20
HepatitisB	11
D009103_0_009015274308243029	9
DiabetesMellitus_Type1	8

Table SIII. GR interactome genes from SNPs.

Word	Count
NR3C1	70
NR3C2	18
FKBP5	38
LOC112267956	14
LOC101929309	9
STIP1	7
HSP90AA1	2
HSPA1A	4
HSPA1L	7
HSPA1B	3
HSPA8	2
LOC101929289	2
MMP9	1
MTHFR	1
MFRP	1
C1QTNF5	1
POLR1C	6
VEGFA	5
SNORD14C	1
TNF	2
NOS3	1
CFB	1
NELFE	1
LTA	1
LOC100287329	1
HBG2	1
BCL11A	2
TERT	1
BDNF	1
BDNF-AS	1

CFH	7
IL6	1
IL6-AS1	1
COL11A1	1
HIF1A	1
HIF1A-AS3	1
CXCL12	1
KCNE1	1
IL1A	1
TCF7L2	1
ITFG2-AS1	1
HLA-DRA	1
TP53	1
APOA5	1
APOE	2
GABRA2	1
COMT	1
MIR4761	1
GDF5	1
OXTR	1
OPRM1	1
SLC30A8	1
LOC105375716	1
ANKK1	1
GRIK1	1
GRIK1-AS2	1
GLP1R	1
SLC24A5	1
MYEF2	1
SLC45A2	1
GCKR	2
ABCG2	1

ARMS2	1
LOC105378525	1
HERC2	1
PCSK9	1
ADH1B	2
PDYN-AS1	1
PDYN	1
CIITA	1
LOC105371080	1
CD36	3
FTO	2
GAL	1
LOC107984343	1
ABCB1	3
SRD5A1	1
NSUN2	1
PNPLA3	1
CRP	1
CCND1	1
ADRB2	1
FAM3C	1
GLCCI1-DT	2
GLCCI1	2
CRHR1	5
LINC02210-CRHR1	5
IRF4	1
IRGM	1
CYP11B2	1
GC	2
CDKAL1	1
PPARGC1A	1
KCNQ1	1

SLC2A9	1
SLC2A9-AS1	1
SLC6A2	1
STRN	1
AVPR1A	1
CRHBP	1
GNB3	1
CDCA3	1
BPIFB4	1
HSP90AB1	1
HSP90B1	1
MIR3652	1
TTC41P	1
CHRNA5	1
CACNA1C	1
NTRK2	2
HTR2A	1
SLC6A4	1
LOC105371720	1
HTR1A	1
PSD	1
NFKB2	3
GCK	1
OAS1	1