

Chr	Gene	p-value	Binned_variants	Phenotype	Biological_Feature	Note
11	<i>DRD2</i>	0.001179727	35	Asthma	Gene	
16	<i>CES2</i>	0.010970381	40	Asthma	Gene	
19	<i>LDLR</i>	0.023074213	43	Asthma	Gene	
10	<i>ARID5B</i>	0.025870289	44	Asthma	Gene	
10	<i>CYP2C19</i>	0.040866325	30	Asthma	Gene	
7	<i>CYP3A5</i>	0.042479211	42	Asthma	Gene	
5	<i>DRD1</i>	0.033968407	58	BPH	Gene	
11	<i>BDNF</i>	0.038833425	159	BPH	Gene	
13	<i>HTR2A</i>	0.010330326	32	Cataracts	Gene	
5	<i>NR3C1</i>	0.027598606	44	Cataracts	Gene	
10	<i>CYP2C19</i>	0.036277824	30	Cataracts	Gene	
1	<i>DPYD</i>	0.039427962	16	Cataracts	Gene	
9	<i>ABCA1</i>	0.044537277	71	Cataracts	Gene	
1	<i>CACNA1S</i>	0.020284554	51	Diverticulosis	Gene	
1	<i>PEAR1</i>	0.028351634	50	Diverticulosis	Gene	
5	<i>HTR1A</i>	0.046794883	12	GERD	Gene	
10	<i>ARID5B</i>	0.04819509	44	GERD	Gene	
16	<i>HSD11B2</i>	0.0189713	13	Hypertension	Gene	
7	<i>GLCCII</i>	0.032181082	33	Hypertension	Gene	
17	<i>CRHR1</i>	0.000259278	17	Hypothyroidism	Gene	
1	<i>DPYD</i>	0.004257397	16	Hypothyroidism	Gene	
16	<i>VKORC1</i>	0.021326534	16	Hypothyroidism	Gene	
14	<i>TCL1A</i>	0.030896426	24	Hypothyroidism	Gene	
10	<i>CYP2C19</i>	0.03386573	33	Hypothyroidism	Gene	
6	<i>ESR1</i>	0.038379725	74	Hypothyroidism	Gene	
11	<i>BDNF</i>	0.000436774	52	Type II Diabetes	Gene	
19	<i>CYP2A6</i>	0.012372677	28	Type II Diabetes	Gene	
11	<i>SLCO2B1</i>	0.019923123	93	Type II Diabetes	Gene	
15	<i>CYPIA2</i>	0.049973505	26	Type II Diabetes	Gene	
10	<i>CYP2C19</i>	0.004225134	33	Uterine Fibroids	Gene	
10	<i>CYP2C9</i>	0.007992446	22	Uterine Fibroids	Gene	
2	<i>UGT1A4</i>	0.009799857	58	Uterine Fibroids	Gene	
20	<i>PTGIS</i>	0.014972429	23	Uterine Fibroids	Gene	
6	<i>SLC22A1</i>	0.021172076	28	Uterine Fibroids	Gene	
10	<i>ABCC2</i>	0.024574614	50	Uterine Fibroids	Gene	
13	<i>HTR2A</i>	0.031245627	34	Uterine Fibroids	Gene	
5	<i>HTR1A</i>	0.035444674	12	Uterine Fibroids	Gene	
12	<i>SLCO1B1</i>	0.037177345	14	Uterine Fibroids	Gene	
3	<i>SCN5A</i>	0.037279917	60	Uterine Fibroids	Gene	
				SNPEff_	UTR_3_	
10	<i>ARID5B</i>	0.001755935	25	ASTHMA	Annotation	PRIME_MODIFIER
19	<i>LDLR</i>	0.010478566	18	ASTHMA	Annotation	NON_SYNONYMOUS_CODING_MODERATE
4	<i>NR3C2</i>	0.01085317	7	ASTHMA	Annotation	unk
10	<i>GRK5</i>	0.011766182	9	ASTHMA	Annotation	NON_SYNONYMOUS_CODING_MODERATE
7	<i>CYP3A4</i>	0.012038997	6	ASTHMA	Annotation	DOWNSTREAM
9	<i>ABCA1</i>	0.018221739	25	ASTHMA	Annotation	_MODIFIER
2	<i>ABCB11</i>	0.021104772	12	ASTHMA	Annotation	NON_SYNONYMOUS_CODING_MODERATE
				SNPEff_	SYNONYMOUS_	
				Annotation	SYNONYMOUS_	
				SNPEff_	CODING_LOW	

12	<i>SLCO1A2</i>	0.027377813	8	ASTHMA	SNPEff_annotation	NON_SYNOMYMOUS_CODING_MODERATE
16	<i>CES2</i>	0.027993208	11	ASTHMA	Annotation	UTR_3_PRIME_MODIFIER
19	<i>CYP2A6</i>	0.029548969	12	ASTHMA	Annotation	NON_SYNOMYMOUS_CODING_MODERATE
11	<i>SLCO2B1</i>	0.036529913	9	ASTHMA	Annotation	DOWNSTREAM_MODIFIER
7	<i>POR</i>	0.039319253	18	ASTHMA	Annotation	NON_SYNOMYMOUS_CODING_MODERATE
7	<i>AHR</i>	0.04315453	13	ASTHMA	Annotation	UTR_3_PRIME_MODIFIER
5	<i>SLC6A3</i>	0.043604982	11	ASTHMA	Annotation	SYNONYMOUS_CODING_LOW
10	<i>ALOX5</i>	0.044745316	10	ASTHMA	Annotation	NON_SYNOMYMOUS_CODING_MODERATE
11	<i>DRD2</i>	0.045325023	11	ASTHMA	Annotation	SNPEff_annotation
22	<i>CYP2D6</i>	0.025116534	11	BPH	Annotation	NON_SYNOMYMOUS_CODING_MODERATE
16	<i>CES1</i>	0.031960697	9	BPH	Annotation	NON_SYNOMYMOUS_CODING_MODERATE
6	<i>SLC22A2</i>	0.038772161	10	BPH	Annotation	SNPEff_annotation
4	<i>GRK4</i>	0.049865559	16	BPH	Annotation	unk
13	<i>HTR2A</i>	0.000198635	6	Cataracts	Annotation	SYNONYMOUS_CODING_LOW
10	<i>CACNB2</i>	0.008360411	5	Cataracts	Annotation	DOWNSTREAM_MODIFIER
20	<i>PTGIS</i>	0.019950914	11	Cataracts	Annotation	UTR_3_PRIME_MODIFIER
7	<i>KCNH2</i>	0.021404617	6	Cataracts	Annotation	SYNONYMOUS_CODING_LOW
5	<i>NR3C1</i>	0.024958136	13	Cataracts	Annotation	DOWNSTREAM_MODIFIER
9	<i>PTGS1</i>	0.030600589	24	Cataracts	Annotation	UTR_3_PRIME_MODIFIER
4	<i>NR3C2</i>	0.033061258	6	Cataracts	Annotation	SYNONYMOUS_CODING_MODERATE
9	<i>NTRK2</i>	0.048490121	14	Cataracts	Annotation	DOWNSTREAM_MODIFIER
15	<i>CYP1A2</i>	0.012328458	8	Diverticulosis	Annotation	NON_SYNOMYMOUS_CODING_MODERATE
14	<i>TCL1A</i>	0.014062167	9	Diverticulosis	Annotation	SNPEff_annotation
16	<i>CES2</i>	0.019868355	6	Diverticulosis	Annotation	SYNONYMOUS_CODING_LOW
4	<i>NR3C2</i>	0.025332602	6	Diverticulosis	Annotation	NON_SYNOMYMOUS_CODING_MODERATE
19	<i>LDLR</i>	0.027152085	11	Diverticulosis	Annotation	DOWNSTREAM_MODIFIER
7	<i>CYP3A4</i>	0.029999188	7	Diverticulosis	Annotation	NON_SYNOMYMOUS_CODING_MODERATE

1	<i>PEAR1</i>	0.030777266	13	Diverticulosis	SNPEff_annotation	UTR_3_PRIME_MODIFIER
5	<i>SLC6A3</i>	0.032172077	8	Diverticulosis	Annotation	unk
7	<i>AHR</i>	0.032549079	7	Diverticulosis	SNPEff_annotation	unk
10	<i>CYP2C9</i>	0.038275773	5	Diverticulosis	Annotation	NON_SYNONYMOUS_CODING_MODERATE
7	<i>TBXAS1</i>	0.041546504	30	Diverticulosis	Annotation	unk
10	<i>GRK5</i>	0.042818405	9	Diverticulosis	Annotation	NON_SYNONYMOUS_CODING_MODERATE
1	<i>CACNAIS</i>	0.044733305	18	Diverticulosis	Annotation	NON_SYNONYMOUS_CODING_LOW
16	<i>CES2</i>	0.048695098	8	Diverticulosis	Annotation	NON_SYNONYMOUS_CODING_MODERATE
12	<i>CACNA1C</i>	0.024027275	19	GERD	Annotation	NON_SYNONYMOUS_CODING_LOW
10	<i>ARID5B</i>	0.041590807	25	GERD	Annotation	PRIME_MODIFIER
19	<i>CYP2B6</i>	0.047463803	5	GERD	Annotation	NON_SYNONYMOUS_CODING_LOW
7	<i>GLCC1I</i>	0.003235229	11	Hypertension	Annotation	unk
6	<i>SLC22A2</i>	0.000128038	7	Hypothyroidism	Annotation	NON_SYNONYMOUS_CODING_MODERATE
17	<i>CRHRI</i>	0.000323349	7	Hypothyroidism	Annotation	UTR_3_PRIME_MODIFIER
1	<i>DPYD</i>	0.000364321	7	Hypothyroidism	Annotation	unk
10	<i>CYP2C19</i>	0.001784709	8	Hypothyroidism	Annotation	NON_SYNONYMOUS_CODING_LOW
12	<i>VDR</i>	0.004426486	13	Hypothyroidism	Annotation	DOWNSTREAM_MODIFIER
17	<i>SLC47A2</i>	0.00716923	6	Hypothyroidism	Annotation	NON_SYNONYMOUS_CODING_MODERATE
14	<i>TCL1A</i>	0.012234609	10	Hypothyroidism	Annotation	UTR_3_PRIME_MODIFIER
1	<i>NPRI</i>	0.015094886	5	Hypothyroidism	Annotation	NON_SYNONYMOUS_PRIME_MODIFIER
5	<i>SLC6A3</i>	0.017532987	11	Hypothyroidism	Annotation	NON_SYNONYMOUS_CODING_LOW
7	<i>AHR</i>	0.018685128	9	Hypothyroidism	Annotation	NON_SYNONYMOUS_CODING_MODERATE
17	<i>SLC47A2</i>	0.024156956	9	Hypothyroidism	Annotation	UPSTREAM_MODIFIER
17	<i>CRHRI</i>	0.025450264	5	Hypothyroidism	Annotation	NON_SYNONYMOUS_CODING_MODERATE
6	<i>ESRI</i>	0.026856792	30	Hypothyroidism	Annotation	UTR_3_PRIME_MODIFIER
7	<i>TBXAS1</i>	0.032735052	30	Hypothyroidism	Annotation	unk
9	<i>ABCA1</i>	0.032997832	25	Hypothyroidism	Annotation	NON_SYNONYMOUS_CODING_MODERATE

					SNPEff_	
22	<i>COMT</i>	0.0344895	26	Hypothyroidism	Annotation	unk
16	<i>CES2</i>	0.034945829	7	Hypothyroidism	Annotation	unk
6	<i>ESR1</i>	0.043833196	10	Hypothyroidism	Annotation	NON_SYNONYMOUS_
15	<i>CYP1A2</i>	0.044017175	6	Hypothyroidism	Annotation	CODING_MODERATE
					SNPEff_	SYNONYMOUS_
					Annotation	CODING_LOW
11	<i>BDNF</i>	0.003787583	26	Type II Diabetes	Annotation	unk
16	<i>ZNF423</i>	0.005577542	19	Type II Diabetes	Annotation	NON_SYNONYMOUS_
11	<i>SLCO2B1</i>	0.007949934	9	Type II Diabetes	Annotation	CODING_MODERATE
					SNPEff_	DOWNSTREAM_
11	<i>SLCO2B1</i>	0.010474391	16	Type II Diabetes	Annotation	MODIFIER
					SNPEff_	UTR_3_PRIME_
11	<i>BDNF</i>	0.012872105	21	Type II Diabetes	Annotation	MODIFIER
					SNPEff_	UTR_3_PRIME_
12	<i>CACNA1C</i>	0.013648638	39	Type II Diabetes	Annotation	MODIFIER
					SNPEff_	SYNONYMOUS_
9	<i>NTRK2</i>	0.019015237	7	Type II Diabetes	Annotation	CODING_LOW
					SNPEff_	NON_SYNONYMOUS_
17	<i>SLC47A1</i>	0.020840979	8	Type II Diabetes	Annotation	CODING_MODERATE
					SNPEff_	NON_SYNONYMOUS_
15	<i>CYP1A2</i>	0.02378342	8	Type II Diabetes	Annotation	CODING_MODERATE
					SNPEff_	SPLICE_SITE_
6	<i>SLC22A2</i>	0.024021181	5	Type II Diabetes	Annotation	REGION_LOW
					SNPEff_	DOWNSTREAM_
5	<i>NR3C1</i>	0.024946113	13	Type II Diabetes	Annotation	MODIFIER
					SNPEff_	UTR_3_PRIME_
10	<i>ALOX5</i>	0.026613266	7	Type II Diabetes	Annotation	MODIFIER
					SNPEff_	SYNONYMOUS_
19	<i>CYP2A6</i>	0.038160526	7	Type II Diabetes	Annotation	CODING_LOW
					SNPEff_	NON_SYNONYMOUS_
20	<i>PTGIS</i>	0.038690427	5	Type II Diabetes	Annotation	CODING_MODERATE
					SNPEff_	SYNONYMOUS_
6	<i>SLC22A2</i>	0.04265011	8	Type II Diabetes	Annotation	CODING_LOW
					SNPEff_	
10	<i>CACNB2</i>	0.043087625	23	Type II Diabetes	Annotation	unk
					SNPEff_	
15	<i>CYP1A2</i>	0.044687188	7	Type II Diabetes	Annotation	unk
					SNPEff_	
10	<i>CYP2C19</i>	0.000161732	11	Uterine Fibroids	Annotation	unk
					SNPEff_	
2	<i>UGT1A4</i>	0.001646409	38	Uterine Fibroids	Annotation	unk
					SNPEff_	SYNONYMOUS_
17	<i>SLC47A2</i>	0.010052284	6	Uterine Fibroids	Annotation	CODING_LOW
					SNPEff_	UTR_3_
9	<i>DBH</i>	0.011661478	14	Uterine Fibroids	Annotation	PRIME_MODIFIER
					SNPEff_	NON_SYNONYMOUS_
11	<i>SLCO2B1</i>	0.016486164	12	Uterine Fibroids	Annotation	CODING_MODERATE
					SNPEff_	SYNONYMOUS_
16	<i>CES2</i>	0.021966783	6	Uterine Fibroids	Annotation	CODING_LOW

3	<i>SCN5A</i>	0.028153856	17	Uterine Fibroids	SNPEff_annotation	SYNONYMOUS_CODING_LOW
11	<i>BDNF</i>	0.028219488	21	Uterine Fibroids	SNPEff_annotation	PRIME_MODIFIER_NON_SYNONYMOUS_UTR_3_-
10	<i>CYP2C9</i>	0.030688042	6	Uterine Fibroids	SNPEff_annotation	CODING_MODERATE
7	<i>TBXAS1</i>	0.031793844	18	Uterine Fibroids	SNPEff_annotation	NON_SYNONYMOUS_CODING_MODERATE_DOWNSTREAM_-
19	<i>LDLR</i>	0.031897119	10	Uterine Fibroids	SNPEff_annotation	MODIFIER_UTR_3_-
13	<i>HTR2A</i>	0.037920869	11	Uterine Fibroids	SNPEff_annotation	PRIME_MODIFIER_UPSTREAM_-
5	<i>NR3C1</i>	0.038854493	14	Uterine Fibroids	SNPEff_annotation	MODIFIER
12	<i>CACNA1C</i>	0.040187026	19	Uterine Fibroids	SNPEff_annotation	SYNONYMOUS_CODING_LOW
11	<i>DRD2</i>	0.04188187	12	Uterine Fibroids	SNPEff_annotation	unk_UPSTREAM_-
X	<i>MAOA</i>	0.04641349	6	Uterine Fibroids	SNPEff_annotation	MODIFIER
17	<i>SLC47A1</i>	0.047281965	12	Uterine Fibroids	SNPEff_annotation	unk_SYNONYMOUS_-
6	<i>SLC22A2</i>	0.04982027	8	Uterine Fibroids	Annotation	CODING_LOW