

Table with 4 columns: Gene/ID, X, Y, Z. Contains a large list of genetic markers and their associated values across various chromosomes (TMX3, ST1K7B, GPR43, etc.).

Gene	logFC	AveExpr	t	P.Value	adj.P.Val	B
SHISA6	-6.89870189	1.950197	-16.3044265	6.64E-11	1.44E-06	13.2263035
F5	-5.98865649	2.96825621	-11.6081004	7.35E-09	4.56E-05	9.8886489
FRMD6	-5.37781882	1.88885254	-11.555572	7.81E-09	4.56E-05	9.84094619
LOC440173	-2.19996893	0.54999223	-11.4904469	8.43E-09	4.56E-05	9.78141911
TFAP2C	-4.17150142	1.15926421	-10.40154	3.18E-08	0.00013774	8.71975856
ABCB1	7.26216532	7.71477681	9.33979736	1.29E-07	0.00046666	7.5526942
GLI2	-5.05003206	1.41809754	-9.17754864	1.62E-07	0.00050072	7.36180863
AQP5	-8.22905877	4.18878574	-8.98657014	2.12E-07	0.00057282	7.13263306
MBD1	1.19900121	9.2159608	8.82246496	2.67E-07	0.00064315	6.93175532
MPP1	5.69004741	5.27115897	8.68177849	3.27E-07	0.0007089	6.75658619
LINC00909	2.32291245	6.06656678	8.59717004	3.70E-07	0.0007288	6.64990754
GABRE	4.76709454	7.26087774	8.41194588	4.86E-07	0.00087706	6.41282585
CTDP1	1.3251893	8.42809785	7.96245828	9.57E-07	0.0015943	5.81681014
LINGO1	-5.12275412	2.02857441	-7.85985378	1.12E-06	0.00165937	5.67655876
LINC01234	-5.45129611	2.75309823	-7.76700857	1.30E-06	0.00165937	5.54827785
SHLD1	1.82622551	5.75168719	7.74973831	1.33E-06	0.00165937	5.5242718
PRDM8	-6.56391285	2.91625888	-7.74664245	1.34E-06	0.00165937	5.51996369
ISX	6.06143201	6.61193935	7.54846766	1.83E-06	0.00208196	5.24113641
TXN1	1.12007982	8.90262	7.47880838	2.04E-06	0.00218251	5.14169027
HOXC13	-2.9199932	0.95424778	-7.4560739	2.12E-06	0.00218251	5.10907146
SHROOM2	-4.86148093	2.47773826	-7.40375614	2.30E-06	0.00220459	5.03370195
NOS3	3.73482395	6.18544548	7.39307771	2.34E-06	0.00220459	5.01826608
FGF1	-1.53523411	0.45122185	-7.31472762	2.66E-06	0.00239736	4.90046439
CAB39L	3.72376131	7.69951067	7.13895401	3.54E-06	0.00306496	4.64564891
PRDM16-DT	-3.42034115	1.41036369	-7.02355195	4.28E-06	0.00356491	4.4730705
AOAH	5.97428541	5.890468	6.95379118	4.81E-06	0.0038548	4.36771982
CLN5	1.55983309	7.23625125	6.91869144	5.10E-06	0.00394135	4.31441983
SMAD4	1.20166919	8.02901666	6.8697541	5.53E-06	0.00406092	4.2397786
PNMA2	-5.68896275	2.70065466	-6.85966334	5.63E-06	0.00406092	4.22434016
DKK1	-1.40472307	0.42275256	-6.78677905	6.36E-06	0.00435374	4.11234611
KIRREL3	-4.42294272	2.02836833	-6.78001836	6.44E-06	0.00435374	4.10191449
AOC1	5.31877341	7.77930321	6.76105974	6.65E-06	0.00435936	4.07262261
ELAC1	2.19664696	5.72628457	6.7067342	7.29E-06	0.00463957	3.98836799
IRX3	-4.45438075	1.60816458	-6.67766414	7.66E-06	0.0047356	3.94308801
UBASH3B	-5.97067964	3.2642889	-6.54886543	9.55E-06	0.00558527	3.74083538
WNT7B	-4.08348349	2.44680818	-6.52276863	9.99E-06	0.00568845	3.69953059
SAMD13	3.91537875	3.39999914	6.49776932	1.04E-05	0.0057871	3.65986012
SHISA2	-5.02188865	1.4938009	-6.47502145	1.08E-05	0.00586892	3.62367503
ADAM19	-3.28890638	1.22375277	-6.42089665	1.19E-05	0.00628966	3.53724404
SOX8	-5.54826487	2.51156081	-6.36706727	1.31E-05	0.00674381	3.45081768
PKIB	3.43821249	4.91253883	6.32617079	1.41E-05	0.0070755	3.38484467
RBM26-AS1	2.46494119	5.00974016	6.31211371	1.44E-05	0.00708722	3.36210618
PRODH	-5.03539624	5.45211088	-6.29186137	1.49E-05	0.00715913	3.32929058
WWC2	-4.13612098	2.42289182	-6.25821084	1.58E-05	0.00725109	3.27461995
AKAP12	-4.13322762	1.94277935	-6.24963249	1.61E-05	0.00725109	3.26065403
GJA3	-3.33895597	1.62016038	-6.2259285	1.68E-05	0.00725835	3.22200159
STX18-AS1	1.47224129	4.61328246	6.19519879	1.77E-05	0.00726806	3.17175888
PLEKHO2	-2.37297171	5.17702106	-6.18181207	1.81E-05	0.00726806	3.14982451
GSTM4	2.59663933	7.80176225	6.18166875	1.81E-05	0.00726806	3.14958953
ZNF772	-4.35769452	2.28250738	-6.1443299	1.94E-05	0.0076248	3.08825697
SFMBT1	-1.07303603	7.28035897	-6.08266708	2.16E-05	0.00835819	2.98648296
ECE1	-1.44779798	9.43524749	-6.03007048	2.38E-05	0.00902193	2.89919433
ME1	-1.24489659	8.66588911	-5.98273623	2.59E-05	0.00948971	2.82026365
PLD1	-2.8009986	6.52369196	-5.98273008	2.59E-05	0.00948971	2.82025337
DACT2	-5.05538336	2.96638477	-5.94964371	2.75E-05	0.00990477	2.76487068
THUMPD3-AS	2.00322489	7.37085714	5.93192536	2.83E-05	0.0099872	2.73514116
NUAK1	-4.26809332	3.79197153	-5.92689401	2.86E-05	0.0099872	2.72669007
PCLO	5.41092554	4.85086658	5.81996199	3.47E-05	0.01176059	2.54613679
TIAM1	-5.9460642	3.18615053	-5.80530469	3.57E-05	0.01176059	2.5212486
DUSP6	-3.05121781	10.0715333	-5.79943905	3.61E-05	0.01176059	2.51127931
KRTAP5-1	3.77545401	4.91732938	5.77754158	3.75E-05	0.01176059	2.47401487
IDNK	1.85978011	5.54502149	5.77649964	3.76E-05	0.01176059	2.47223987
SNHG11	1.12576917	7.53546332	5.7595998	3.88E-05	0.01176059	2.4434265
SH3BGR	1.53378955	4.53038239	5.7532041	3.92E-05	0.01176059	2.43251061
CNDP2	1.46954999	10.5249676	5.75268497	3.93E-05	0.01176059	2.4316243
ANXA13	3.86434144	3.40806077	5.75197733	3.93E-05	0.01176059	2.43041608
GPR162	-2.29991572	1.08228759	-5.74574138	3.98E-05	0.01176059	2.41976553
HS3ST3B1	-3.99820158	2.26064427	-5.73987058	4.02E-05	0.01176059	2.40973313
QKI	-5.65438155	2.79729875	-5.72746155	4.11E-05	0.01187083	2.38851021
NUAK2	1.90793219	7.52137226	5.71824457	4.18E-05	0.01191446	2.37273117
RRAGA	1.22145813	8.85012019	5.69806885	4.34E-05	0.01207733	2.33814551
MIR4458HG	4.06836452	5.02161117	5.68682401	4.43E-05	0.01207733	2.31884211
ANO9	2.68395399	10.6151688	5.68295139	4.46E-05	0.01207733	2.31218968
PIAS3	-1.36045649	7.80203461	-5.67348184	4.54E-05	0.01213802	2.2959131
KLF12	-4.69001395	2.5987819	-5.66295154	4.63E-05	0.01220912	2.27779707
CHST15	-5.23040109	2.0438753	-5.65658433	4.69E-05	0.01220912	2.26683485
ANO10	2.15842191	7.26964566	5.64363132	4.80E-05	0.01220912	2.24451489
ZNF566	-1.59489699	5.72962267	-5.61020436	5.10E-05	0.01261666	2.18679672
CXCL17	-3.26195032	1.35880461	-5.59102844	5.29E-05	0.01272156	2.15360884
SALL4	-4.20985135	1.83124486	-5.57235436	5.48E-05	0.01302502	2.12123581
MYO5B	1.32982143	9.21070332	5.53734451	5.84E-05	0.0137492	2.06040107
ASCL2	3.00896507	10.6410507	5.5070282	6.18E-05	0.01423815	2.00757276
LOC10192867	-1.26812215	0.36812549	-5.43235609	7.11E-05	0.01619831	1.87686484
GNF7	-4.12880049	1.73414798	-5.42074031	7.27E-05	0.01638248	1.85645782
CXCC1	1.11710554	9.4191657	5.40783388	7.44E-05	0.01661102	1.83375995
OSBP10	-1.38118865	8.01006792	-5.37563634	7.91E-05	0.01742214	1.77702897
TEX30	4.32849288	6.62864654	5.3150353	8.87E-05	0.01890606	1.66984114
STARD5	1.82678696	6.05604323	5.30868937	8.97E-05	0.01890606	1.65858598

LOC1019281C	-2.78739745	1.53882211	-5.30727298	9.00E-05	0.01890606	1.65607309
SCN1B	-3.07125459	0.98177489	-5.27025925	9.65E-05	0.01991119	1.59030237
PCDHGA4	-1.17682644	0.29420661	-5.26974517	9.66E-05	0.01991119	1.58938751
TRIB2	-5.61893883	3.08197761	-5.25060735	0.00010015	0.02026117	1.55530262
AQP2	-3.44316715	1.94809312	-5.24007176	0.00010218	0.02047908	1.53651623
SLC4A3	-3.75777976	3.0065658	-5.23126536	0.0001039	0.02055907	1.52080113
ZNF567	-2.04623448	5.72748846	-5.18923623	0.00011255	0.02137104	1.44564886
INTS6-AS1	1.87033795	4.22923893	5.16522358	0.00011783	0.02189936	1.40260058
ACOT1	-1.36411603	5.00467304	-5.16466968	0.00011795	0.02189936	1.40160664
SH3BP2	1.24680628	9.22897211	5.16281115	0.00011837	0.02189936	1.39827129
LOC1019278E	4.40583245	3.30437434	5.15738031	0.0001196	0.02194008	1.38852228
SYP	2.10361367	5.57711646	5.12856354	0.00012638	0.02298756	1.33672428
CDHR5	4.3042722	7.09021206	5.11895465	0.00012872	0.02307851	1.31942689
MGMT	4.45762972	7.28263203	5.10263695	0.00013281	0.02356348	1.2900236
IL12A	-1.57842949	0.69279706	-5.09168709	0.00013562	0.02386769	1.27027237
SPRY1	-1.65708645	7.37955421	-5.08347686	0.00013778	0.02405102	1.25545212
DBN1	-3.79674429	6.47669661	-5.05503582	0.00014551	0.02519803	1.20404271
TMX3	1.23868987	7.5641969	5.04985183	0.00014697	0.02524843	1.19466049
STK17B	-1.12077543	7.21521687	-5.04470006	0.00014843	0.02529905	1.18533298
GPR143	-2.95198905	1.52537127	-4.99548771	0.00016319	0.0267614	1.0960534
KCNIP3	-3.27554818	2.27338778	-4.98900989	0.00016525	0.02682975	1.08427763
ANTXR2	-2.69349491	6.89521402	-4.97430629	0.00017001	0.02725902	1.05752806
CAPN10-DT	2.10062314	5.86639852	4.93420081	0.00018372	0.02847998	0.98442266
SDR16C5	-3.2260709	1.32466703	-4.93296172	0.00018416	0.02847998	0.9821607
MED17	-1.07981933	7.81703762	-4.92347137	0.00018758	0.02847998	0.96482945
DMAC1	1.6141531	8.83615942	4.92322235	0.00018767	0.02847998	0.96437453
ZNF850	-1.830786	5.27651452	-4.92317654	0.00018769	0.02847998	0.96429085
UPF3A	1.39279413	7.98762036	4.92191609	0.00018815	0.02847998	0.9619881
SMN1	2.45929355	2.59552225	4.91440761	0.00019091	0.02869693	0.94826645
ABCB9	-1.71028129	6.48571732	-4.8922912	0.00019928	0.02954501	0.9078072
DYNC111	-3.86800701	1.68587244	-4.88700078	0.00020134	0.02964708	0.89811983
ULBP3	-2.96917364	2.25518615	-4.88148821	0.0002035	0.02976383	0.88802191
GALNT5	2.88106225	5.34826486	4.86161858	0.00021152	0.03072855	0.85159298
ZBED6CL	1.86476656	7.39554535	4.84758908	0.00021737	0.03136863	0.82584155
LRP5	-1.23534821	10.8780622	-4.8285357	0.0002256	0.03212655	0.79082958
MBD2	1.52288767	9.19029692	4.8171599	0.00023066	0.03255552	0.76990435
RPS6	1.51954191	13.9394349	4.81503039	0.00023162	0.03255552	0.76598547
RIPK3	2.27260357	5.71014589	4.81089306	0.00023349	0.03260764	0.75837004
PLXND1	-4.18660184	6.44948687	-4.78720191	0.00024455	0.03393262	0.71472248
TNNT1	-3.56826748	3.05210917	-4.77421429	0.00025084	0.03458343	0.69076581
FSCN1	-6.94214738	6.59076611	-4.74821862	0.00026393	0.03615799	0.64275409
ZNF236-DT	1.59284998	3.26668834	4.73547628	0.0002706	0.03683885	0.61919082
JCAD	-2.2858179	0.81882003	-4.73031429	0.00027335	0.03689488	0.60963974
AIFM3	3.68321833	7.24011199	4.72832415	0.00027442	0.03689488	0.60595662
PXDN	-5.7829441	2.78852944	-4.71527349	0.00028153	0.03761782	0.58179247
TMEM42	1.46421949	6.86511569	4.67330718	0.00030573	0.04035222	0.5039554
G51-124K5.4	2.20084619	4.42737506	4.66471855	0.00031094	0.04079104	0.48800078
TM75F3	-1.09952003	9.61668084	-4.65779187	0.0003152	0.0411018	0.47512741
MKKS	1.07182729	9.0378199	4.64448021	0.00032358	0.04148482	0.45037226
MAP4K4	-1.87022311	8.2873717	-4.62986384	0.00033303	0.04148482	0.42316798
GZMM	-2.06544875	1.23942908	-4.62882017	0.00033372	0.04148482	0.42122458
ELF3	1.76600294	11.2059059	4.62731361	0.00033471	0.04148482	0.41841902
PLAAT5	-3.22033217	1.53402257	-4.61228921	0.00034478	0.04198779	0.39042645
TMEM230	1.15918736	8.94262603	4.60340097	0.00035088	0.04243078	0.37385476
CUEDC1	-2.27839198	6.88172981	-4.59794929	0.00035468	0.0426517	0.36368611
NR1I2	4.9785876	6.68181643	4.59415131	0.00035735	0.0427354	0.35660009
ZNF792	-1.69405006	5.96824551	-4.58195094	0.00036606	0.04325261	0.3338269
CD96	-3.11994829	1.02416863	-4.580234	0.00036731	0.04325261	0.33062078
KDSR	1.21364309	7.90490793	4.5797434	0.00036767	0.04325261	0.32970459
PPP1R3D	1.7290905	5.8856795	4.5699012	0.00037489	0.0437546	0.31131919
RASGEF1A	-3.09092452	1.38516867	-4.56457254	0.00037886	0.0438548	0.30136084
LOC1019273Z	2.16397452	2.16138729	4.55131077	0.00038894	0.0445305	0.27656386
EVA1A	5.51609268	4.13706951	4.54961821	0.00039024	0.0445305	0.27339775
PP7080	2.52484631	7.50288574	4.54432657	0.00039435	0.0445305	0.26349728
MAP3K15	-1.68981942	0.61368671	-4.54258117	0.00039572	0.0445305	0.26023106
BCR	-1.44120814	9.25807198	-4.53859002	0.00039886	0.0445305	0.25276109
OSR1	-4.12552237	3.800022	-4.53500761	0.0004017	0.0445305	0.24605473
IL32	5.33888817	7.40159429	4.53167788	0.00040436	0.0445305	0.23982019
ANKEF1	1.23663083	6.98297141	4.53095326	0.00040494	0.0445305	0.23846328
NLRP11	-2.20805807	0.85866666	-4.53038666	0.00040539	0.0445305	0.23740222
KRTAP5-AS1	3.21090457	2.97479175	4.52978045	0.00040588	0.0445305	0.23626696
GRTP1	1.15393359	8.55145433	4.52796777	0.00040734	0.0445305	0.23287208
VPS16	1.11210794	8.77851702	4.52000256	0.00041383	0.04470061	0.21795044
CGAS	-2.91527082	5.94422265	-4.51702682	0.00041627	0.04470061	0.21237417
MARK1	4.51841599	3.93805934	4.51514268	0.00041783	0.04470061	0.20884298
PMFBP1	2.57971577	5.47226891	4.51348291	0.00041921	0.04470061	0.205732
KBTBD7	3.58828146	5.67694377	4.50816051	0.00042366	0.04480021	0.19575408
ST3GAL1	-4.24203523	2.61283559	-4.50741878	0.00042428	0.04480021	0.19436334
BIVM	1.32975882	7.5239564	4.4952983	0.00043461	0.04507416	0.17162941
CYBSA	1.51495998	10.1988496	4.49461033	0.00043521	0.04507416	0.17033857
TTC32	1.36695082	6.05389601	4.48639081	0.00044237	0.04538161	0.15491252
CDKN1B	1.09045764	8.57389574	4.47033869	0.00045671	0.04641244	0.12476713
SWSAP1	1.45241657	5.50012109	4.46628169	0.0004604	0.04656963	0.11714418
PRDM16	-4.56068759	3.96493007	-4.45483686	0.000471	0.04737476	0.09563102
ITGA10	-2.14628199	4.3992137	-4.43970856	0.0004854	0.04819688	0.06717436