

Chr	Start	End	pValue	qValue	Annotation	Gene Name	Gene Description
chr11	118435664	118436590	195.14432	188.86623	promoter-TSS	KMT2A	lysine methyltransferase 2A
chrX	71068290	71068800	145.94513	139.84265	promoter-TSS	SNX12	sorting nexin 12
chr2	238288686	238289293	142.2442	136.36855	promoter-TSS	PER2	period circadian regulator 2
chr19	48637376	48638159	135.19345	129.18616	promoter-TSS	SEC1P	"secretory blood group 1, pseudogene"
chr1	150281614	150282921	127.077	121.03996	promoter-TSS	CIART	circadian associated repressor of transcription
chr7	876142	876559	115.76252	109.69775	promoter-TSS	GET4	guided entry of tail-anchored proteins factor 4
chr6	35259441	35259927	103.11006	97.2342	promoter-TSS	ZNF76	zinc finger protein 76
chr12	107093434	107094083	101.8115	96.08579	promoter-TSS	CRY1	cryptochrome circadian regulator 1
chr3	23945721	23946156	93.58881	87.98872	promoter-TSS	NR1D2	nuclear receptor subfamily 1 group D member 2
chr9	133149349	133149732	92.35053	86.44016	promoter-TSS	RALGDS	ral guanine nucleotide dissociation stimulator
chr22	41380966	41381952	91.50391	85.84405	promoter-TSS	TEF	"TEF transcription factor, PAR bZIP family member"
chr9	92325299	92325942	86.19001	80.32549	promoter-TSS	NOL8	nucleolar protein 8
chr11	45847092	45847504	83.75399	78.24766	promoter-TSS	CRY2	cryptochrome circadian regulator 2
chr9	124771354	124772096	81.69488	76.0219	promoter-TSS	NR6A1	nuclear receptor subfamily 6 group A member 1
chr3	170908676	170909022	79.08976	73.3989	promoter-TSS	EIF5A2	eukaryotic translation initiation factor 5A2
chr19	45178184	45178743	70.95176	65.25712	promoter-TSS	TRAPPC6A	trafficking protein particle complex 6A
chr16	83952764	83953639	66.97601	61.47417	promoter-TSS	OSGIN1	oxidative stress induced growth inhibitor 1
chr18	9136589	9136979	66.87855	61.22282	promoter-TSS	ANKRD12	ankyrin repeat domain 12
chr7	101126318	101126789	66.36729	60.82648	promoter-TSS	SERPINE1	serpin family E member 1
chr7	101126318	101126789	28.0902	22.79152	promoter-TSS	SERPINE1	serpin family E member 1
chr2	197499801	197500211	62.66072	57.04644	promoter-TSS	HSPD1	heat shock protein family D (Hsp60) member 1
chr17	8152359	8152768	62.04219	56.57347	promoter-TSS	PER1	period circadian regulator 1
chr17	8152359	8152768	185.52991	179.25227	promoter-TSS	PER1	period circadian regulator 1
chr15	73633365	73633741	61.73879	56.06204	promoter-TSS	NPTN	neuroplastin
chr17	75784964	75785301	60.14206	54.53535	promoter-TSS	UNK	unk zinc finger
chr11	537092	537484	59.06861	53.4519	promoter-TSS	LRRC56	leucine rich repeat containing 56

chr11 843851 844295 58.55637 53.01325 promoter-TSS TSPAN4 tetraspanin 4
 chr16 3500750 3501122 57.62857 52.07758 promoter-TSS CLUAP1 clusterin
 associated protein 1
 chr13 113296864 113297227 55.75394 50.13769 promoter-TSS LAMP1
 lysosomal associated membrane protein 1
 chr19 39412171 39412421 53.25719 47.85847 promoter-TSS PLEKHG2
 pleckstrin homology and RhoGEF domain containing G2
 chr1 7783833 7784516 52.97183 47.46729 promoter-TSS PER3 period
 circadian regulator 3
 chr11 9759803 9760048 52.8786 47.29172 promoter-TSS LINC02709 long
 intergenic non-protein coding RNA 2709
 chr11 9460591 9461041 52.71545 47.12115 promoter-TSS LOC644656
 uncharacterized LOC644656
 chr11 65890447 65890743 51.09313 45.49049 promoter-TSS CCDC85B coiled-
 coil domain containing 85B
 chr1 145996569 145996804 50.28819 44.79899 promoter-TSS TXNIP
 thioredoxin interacting protein
 chr17 17206309 17206721 50.2033 44.61765 promoter-TSS PLD6
 phospholipase D family member 6
 chr6 150866148 150866487 49.73496 44.30363 promoter-TSS MTHFD1L
 methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1 like
 chr10 97687478 97687710 46.99546 41.48315 promoter-TSS AVPI1 arginine
 vasopressin induced 1
 chr15 68229863 68230379 46.85044 41.49463 promoter-TSS CLN6 CLN6
 transmembrane ER protein
 chr11 65497380 65497743 46.86151 41.331 promoter-TSS MALAT1 metastasis
 associated lung adenocarcinoma transcript 1
 chr11 67391664 67392008 46.64623 41.23469 promoter-TSS RAD9A RAD9
 checkpoint clamp component A
 chr1 1304755 1305013 46.42801 40.91898 promoter-TSS SNORD167 "small
 nucleolar RNA, C/D box 167"
 chr1 38859730 38860086 45.98497 40.5341 promoter-TSS RRAGC Ras related
 GTP binding C
 chr10 91633027 91633299 45.20712 39.8387 promoter-TSS PPP1R3C protein
 phosphatase 1 regulatory subunit 3C
 chr7 100177639 100177903 45.13649 39.61292 promoter-TSS STAG3 stromal
 antigen 3
 chr12 57229917 57230128 43.01728 37.57734 promoter-TSS SHMT2 serine
 hydroxymethyltransferase 2
 chr15 52019025 52019230 41.03899 35.56505 promoter-TSS MAPK6-DT MAPK6
 divergent transcript
 chr11 65711811 65712186 40.92786 35.48179 promoter-TSS KAT5 lysine
 acetyltransferase 5
 chr12 112013213 112013533 40.26632 34.83234 promoter-TSS ERP29
 endoplasmic reticulum protein 29
 chr1 2207821 2208298 39.82055 34.39941 promoter-TSS FAAP20 FA core
 complex associated protein 20
 chr17 78840732 78841016 38.45339 33.14103 promoter-TSS USP36 ubiquitin
 specific peptidase 36
 chr16 74368171 74368424 29.8855 24.57765 promoter-TSS LOC283922
 pyruvate dehydrogenase phosphatase regulatory subunit pseudogene
 chr16 74368171 74368424 36.9332 31.5739 promoter-TSS LOC283922 pyruvate
 dehydrogenase phosphatase regulatory subunit pseudogene
 chr2 30146414 30146670 36.06986 30.64328 promoter-TSS YPEL5 yippee like

chr17 44070562 44070772 34.0098 28.63167 promoter-TSS G6PC3 glucose-6-phosphatase catalytic subunit 3

chr7 100867062 100867356 33.17797 27.84428 promoter-TSS TRIP6 thyroid hormone receptor interactor 6

chr19 10817723 10818074 31.97608 26.61814 promoter-TSS MIR199A1 microRNA 199a-1

chr19 2977251 2977566 31.82561 26.47579 promoter-TSS TLE6 "TLE family member 6, subcortical maternal complex member"

chr2 215311902 215312135 31.31224 25.96158 promoter-TSS ATIC 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase

chr1 203861452 203861685 30.98431 25.63246 promoter-TSS SNRPE small nuclear ribonucleoprotein polypeptide E

chr11 121023950 121024281 31.01118 25.69603 promoter-TSS TBCEL tubulin folding cofactor E like

chr8 108443427 108443685 29.31162 24.03966 promoter-TSS EMC2 ER membrane protein complex subunit 2

chr1 1000694 1001014 28.71243 23.42925 promoter-TSS HES4 hes family bHLH transcription factor 4

chr4 56436055 56436641 28.3285 23.20917 promoter-TSS PAICS phosphoribosylaminoimidazole carboxylase and phosphoribosylaminoimidazolesuccinocarboxamide synthase

chr3 51941819 51942024 28.43067 23.16305 promoter-TSS RRP9 "ribosomal RNA processing 9, U3 small nucleolar RNA binding protein"

chr6 145735512 145735782 28.21785 23.03313 promoter-TSS EPM2A "EPM2A glucan phosphatase, laforin"

chr10 43407726 43408245 28.09814 22.89788 promoter-TSS HNRNPF heterogeneous nuclear ribonucleoprotein F

chr9 35116217 35116428 27.58539 22.35867 promoter-TSS FAM214B family with sequence similarity 214 member B

chr16 23510250 23510609 27.53457 22.24066 promoter-TSS GGA2 "golgi associated, gamma adaptin ear containing, ARF binding protein 2"

chr5 173056232 173056516 26.43614 21.18924 promoter-TSS CREBRF CREB3 regulatory factor

chr9 134165376 134165664 26.18078 20.99063 promoter-TSS RNU6ATAC "RNA, U6atac small nuclear (U12-dependent splicing)"

chr17 38675036 38675257 26.15443 20.88656 promoter-TSS EPOP elongin BC and polycomb repressive complex 2 associated protein

chr7 130141506 130141796 25.78922 20.53244 promoter-TSS LOC100128325 uncharacterized LOC100128325

chr10 98446825 98447105 25.71669 20.49371 promoter-TSS HPS1 HPS1 biogenesis of lysosomal organelles complex 3 subunit 1

chr10 25016686 25017027 25.68539 20.40688 promoter-TSS THNSL1 threonine synthase like 1

chr22 35539881 35540128 25.05773 19.81932 promoter-TSS RASD2 RASD family member 2

chr7 96321822 96322314 24.99506 19.76481 promoter-TSS SLC25A13 solute carrier family 25 member 13

chr3 134485793 134486085 24.65178 19.40262 promoter-TSS ANAPC13 anaphase promoting complex subunit 13

chr11 66958619 66958894 22.67331 17.49815 promoter-TSS PC pyruvate carboxylase

chr11 7605652 7605976 22.53777 17.36912 promoter-TSS PPFIBP2 PPFIA

binding protein 2
 chr19 10654165 10654430 22.14572 16.96532 promoter-TSS ILF3 interleukin
 enhancer binding factor 3
 chr3 13650585 13650854 21.2161 16.04627 promoter-TSS LINC00620 long
 intergenic non-protein coding RNA 620
 chrX 118839447 118839690 20.98862 15.83607 promoter-TSS LINC01285 long
 intergenic non-protein coding RNA 1285
 chr19 7943958 7944205 20.73634 15.57789 promoter-TSS TIMM44 translocase
 of inner mitochondrial membrane 44
 chr12 26125742 26126183 92.7613 87.14227 promoter-TSS BHLHE41 basic
 helix-loop-helix family member e41
 chr12 26125742 26126183 20.36209 15.25797 promoter-TSS BHLHE41 basic
 helix-loop-helix family member e41
 chr7 100148767 100148995 20.16037 15.03563 promoter-TSS LAMTOR4 "late
 endosomal/lysosomal adaptor, MAPK and MTOR activator 4"
 chr12 57752425 57752683 20.05559 14.92796 promoter-TSS CDK4 cyclin
 dependent kinase 4
 chr3 38649806 38650031 19.22211 14.10374 promoter-TSS SCN5A sodium
 voltage-gated channel alpha subunit 5
 chr19 53537685 53537979 19.28015 14.17115 promoter-TSS ZNF331 zinc
 finger protein 331
 chr1 203026204 203026434 19.13054 14.04685 promoter-TSS PPFIA4 PTPRF
 interacting protein alpha 4
 chr11 18322359 18322637 18.65901 13.53484 promoter-TSS GTF2H1 general
 transcription factor IIH subunit 1
 chr17 17237080 17237347 18.26197 13.25793 promoter-TSS FLCN folliculin