

**More Sustained
Increase Cocaine &
Withdrawal**

0610030E20Rik	2310021P13Rik	4933421O10Rik	A330050B17Rik	Adamts6
0610040F04Rik	2310035C23Rik	4933428G20Rik	A330076H08Rik	Adar
1110038D17Rik	2410022M11Rik	5430405G05Rik	A330102I10Rik	Adarb1
1190007I07Rik	2510009E07Rik	5430411K18Rik	A530088E08Rik	Add2
1300001I01Rik	2610002M06Rik	6230409E13Rik	A630066F11Rik	Adra1a
1300018I17Rik	2610005M20Rik	6330403A02Rik	A630072L19Rik	Adrb2
1500004A13Rik	2610507B11Rik	6330403L08Rik	A730061H03Rik	AF529169
1520402A15Rik	2700033N17Rik	6330407J23Rik	A830018L16Rik	Afap111
1700001G11Rik	2700081O15Rik	6430527G18Rik	A830092H15Rik	Aff1
1700003M07Rik	2810021J22Rik	6430548M08Rik	A930003O13Rik	Aff2
1700007J10Rik	2900052L18Rik	6430571L13Rik	A930005I04Rik	Aff3
1700008J07Rik	3110057O12Rik	6430628N08Rik	A930012O16Rik	Agfg1
1700017B05Rik	3110062M04Rik	6720401G13Rik	Abca1	Agrn
1700034P13Rik	4430402I18Rik	8430419L09Rik	Abca2	Ahctf1
1700041B01Rik	4632419I22Rik	8430427H17Rik	Abca3	Ahcyl2
1700081L11Rik	4732416N19Rik	9130019O22Rik	Abcb1a	Ahnak
1700084E18Rik	4732418C07Rik	9330161L09Rik	Abcc5	AI480526
1700094C10Rik	4732440D04Rik	9330162012Rik	Abcg4	AI480653
1700109K24Rik	4921504A21Rik	9330182L06Rik	Abhd2	AI987944
1700110K17Rik	4921525B02Rik	9430020K01Rik	Abl1	Akap12
1810012P15Rik	4930402H24Rik	9430031J16Rik	Ablim1	Akap13
1810032O08Rik	4930417G10Rik	9430069I07Rik	Abr	Akap5
1810041L15Rik	4930470G03Rik	9530080O11Rik	Acap2	Akap6
1810062O18Rik	4930500M09Rik	9630013A20Rik	Ache	Akap9
2210009G21Rik	4930528A17Rik	9830001H06Rik	Acss2	Alk
2210012G02Rik	4931406P16Rik	9930013L23Rik	Actn1	Aloxe3
2310004I24Rik	4931413K12Rik	A130022J15Rik	Acvr1b	Ambra1
2310014H01Rik	4931422A03Rik	A230004M16Rik	Acvr2b	Amigo3
2310015A10Rik	4932418E24Rik	A230056P14Rik	Adam11	Ammecr11
	4932702P03Rik	A230059L01Rik	Adam12	Amotl1
	4933407H18Rik	A230103J11Rik	Adamts10	Anapc1
	4933407K13Rik	A330033J07Rik	Adamts4	Ank1

Ank3	Arhgef9	Atp2b4	BC026590	Cabin1
Ankfn1	Arid1a	Atp6v0a2	BC031353	Cachd1
Ankle2	Arid3a	Atp7b	BC037032	Cacna1a
Ankrd17	Arid5a	Atp8a2	BC049265	Cacna1c
Ankrd26	Arih1	Atrn	BC049635	Cacna1d
Ankrd28	Armc5	Atxn1	BC051142	Cacna1e
Ankrd33b	Armc9	Atxn7	BC058420	Cacnb1
Ankrd42	Arnt2	Atxn7l1	BC061253	Cadm3
Ankrd43	Arsk	AW011738	BC068281	Camk1d
Ankrd44	Asap1	AW555464	Bcam	Camk4
Ankrd50	Asap2	Axin2	Bcl9	Camsap1
Ankrd52	Asap3	Axl	Bcl9l	Capn5
Ankrd6	Asb13	B230119M05Rik	Bcor	Caskin1
Anks6	Ascc3	B230206H07Rik	Bicd2	Cast
Ap1g1	Ash1l	B230307C23Rik	Bmp6	Catsperg1
Ap3b2	Astn1	B930095G15Rik	Bmpr2	Cav2
Ap3d1	Asxl1	Bace1	Bptf	Cbll1
Apba1	Asxl2	Bach1	Braf	Cbln4
Apc2	Atad2b	Bach2	Bsn	Cc2d1a
Apcdd1	Atf6	Bahcc1	Btbd3	Ccdc141
Aqp4	Atf7ip	Bai2	Btbd7	Ccdc159
Arfgef2	Atg14	Baz1b	Btbd8	Ccdc50
Arhgap18	Atg2b	Baz2a	C030005K06Rik	Ccdc57
Arhgap21	Atl3	Bbs1	C030046E11Rik	Ccdc6
Arhgap26	Atn1	Bbx	C030048H21Rik	Ccdc85c
Arhgap32	Atp10a	BC005764	C130026L21Rik	Ccdc93
Arhgap39	Atp11a	BC006779	C1q1l	Cckbr
Arhgef10	Atp13a2	BC016423	C230038L03Rik	Cd93
Arhgef10l	Atp13a5	BC018507	C230081A13Rik	Cd99l2
Arhgef12	Atp1a3	BC020535	C2cd3	Cdc23
Arhgef17	Atp2b2	BC024386	C330013J21Rik	Cdc42bpb
Arhgef18	Atp2b3	BC025920	C4b	Cdc7

Cdk13	Cntnap3	Cyb5d1	Ddx17	Dock1
Cdk5rap2	Cntnap5b	Cyp2u1	Ddx3y	Dock3
Cdon	Cntrob	Cyp4f13	Ddx51	Dock4
Cdyl2	Cobl	D10Bwg1379e	Dennd1a	Dock6
Cep164	Cog1	D11Wsu47e	Dennd1b	Dock9
Cep250	Cog5	D130020L05Rik	Dennd3	Dok6
Cep68	Col16a1	D130043K22Rik	Dennd5b	Dolk
Cfh	Col20a1	D16Ert472e	Dgkb	Dopey2
Cgnl1	Copa	D430019H16Rik	Dgkh	Dot1l
Chd3	Copg	D430036J16Rik	Dgki	Dpp9
Chd5	Copg2	D430041D05Rik	Dgkq	Dpy19l3
Chd6	Coro6	D5Ert4605e	Dhx33	Drosha
Chml	Cpeb2	D630044L22Rik	Dhx8	Drp2
Chn2	Cpeb4	D630045J12Rik	Dicer1	Dscaml1
Chpt1	Cpne2	D830031N03Rik	Dido1	Dst
Chrd	Cramp1l	D830050J10Rik	Dip2a	Dstyk
Chst11	Crebzf	D930007J09Rik	Dip2b	Dus3l
Cic	Creg2	D930048N14Rik	Dip2c	Dusp23
Cit	Crim1	Daam2	Dlg2	Dusp3
Clasp1	Crk	Dab2	Dlg5	Dusp4
Clcn6	Crtc1	Dag1	Dlgap2	Dvl1
Clcn7	Csmd1	Dagla	Dll1	Dync1h1
Cldn12	Csmd2	Dcaf10	Dlx6os1	Dyrk1b
Clec16a	Csnk1g1	Dcaf17	Dmpk	Dyrk2
Clip3	Csrnp3	Dcaf7	Dnahc1	Dzip1
Cmtm4	Ctnnb1	Dcbld2	Dnajc1	E030019B06Rik
Cnksr2	Cttnbp2	Dchs1	Dnajc13	E130003G02Rik
Cnn2	Ctu2	Dclk2	Dnajc16	E130116L18Rik
Cnnm2	Cul9	Dclre1b	Dnase1	E130308A19Rik
Cnot1	Cux2	Dcp2	Dnm2	E130317F20Rik
Cntn2	Cxadr	Dcun1d2	Dnmt1	E330009J07Rik
Cntnap1	Cxcl12	Ddi2	Dnmt3a	E330020D12Rik

E430024P14Rik	Eps8l2	Farp1	Fryl	Gm10493
Ebf4	Erc1	Fat1	Fstl4	Gm10524
Ece2	Esyt2	Fbf1	Fut11	Gm10532
Eda	Etv3	Fbxl18	Fyco1	Gm10561
Edc4	Evi5	Fbxl20	G630016G05Rik	Gm10593
Edn3	Exoc5	Fbxo10	G630030J09Rik	Gm10642
Eef2	Eya1	Fbxo18	G6pdx	Gm10644
Efnb2	F630040L22Rik	Fbxo21	Gab1	Gm10658
Efr3b	Fa2h	Fbxo27	Gabbr2	Gm10676
Ehbp1	Fads6	Fbxo41	Gabpb2	Gm10785
Ehd2	Fam108c	Fbxw17	Gabrg3	Gm10863
Eif2c1	Fam113a	Fchsd2	Gad2	Gm11131
Eif2c2	Fam115a	Fgf13	Galnt2	Gm11459
Eif2c4	Fam120a	Fhdc1	Gan	Gm11508
Eif4ebp2	Fam120c	Ficd	Gas7	Gm11611
Elf2	Fam129b	Fkbp15	Gata2	Gm11696
Elfn1	Fam135b	Flna	Gatad2b	Gm11766
Elfn2	Fam13b	Flnb	Gemin5	Gm11769
Elk1	Fam160a2	Flrt1	Gfod1	Gm11899
Elk4	Fam168a	Flt1	Gfpt1	Gm11940
Elmo2	Fam168b	Fmn2	Ggcx	Gm11973
Eml6	Fam173b	Fmnl3	Ghrl	Gm12063
Eng	Fam176b	Fmod	Gipc2	Gm12236
Ep400	Fam188b	Foxf2	Git1	Gm12256
Epb4.1	Fam193b	Foxk1	Glis2	Gm12395
Epb4.1l1	Fam196b	Foxq1	Glis3	Gm12480
Epb4.1l4b	Fam198a	Fras1	Glt8d2	Gm12523
Epha10	Fam20b	Frmd4b	Gltscr1	Gm12868
Epha4	Fam53b	Frmd5	Gm10065	Gm12915
Epha6	Fam59a	Frmpd3	Gm10176	Gm12945
Ephx2	Fam65b	Frmpd4	Gm10308	Gm13112
Eps8l1	Fam78b	Fry	Gm1043	Gm13179

Gm13327	Gm15525	Gm16705	Gpr161	Heatr7a
Gm13390	Gm15535	Gm16750	Gpr173	Hectd1
Gm13562	Gm15548	Gm16762	Gpr25	Heg1
Gm13563	Gm15585	Gm16896	Gpr26	Helz
Gm13632	Gm15587	Gm16978	Gpr50	Herc1
Gm13703	Gm15598	Gm17077	Gpr63	Hhat
Gm13856	Gm15609	Gm2007	Gprin2	Hhip1
Gm13872	Gm15635	Gm3764	Gprin3	Hic2
Gm13883	Gm15676	Gm3892	Gria1	Hipk1
Gm13999	Gm1568	Gm4793	Grid1	Hipk2
Gm14174	Gm15800	Gm505	Grid2	Hist1h2bb
Gm14259	Gm15813	Gm5113	Grik3	Hist1h4j
Gm14290	Gm15849	Gm514	Grin1	Hivep2
Gm14322	Gm15886	Gm5567	Grin2a	Hivep3
Gm14329	Gm16008	Gm5607	Grin2b	Hmbox1
Gm14393	Gm16023	Gm5897	Grm3	Hmg20a
Gm14409	Gm16075	Gm5901	Grm7	Hn1l
Gm14419	Gm16124	Gm608	Gsk3b	Hnrnpu
Gm14471	Gm16159	Gm6710	Gtf3c1	Hnrnpul1
Gm14798	Gm16214	Gm694	Gtpbp2	Hs6st2
Gm14820	Gm16224	Gm7854	H2-DMb1	Hs6st3
Gm15246	Gm16229	Gm962	H2-Eb1	Hspa12a
Gm15247	Gm16240	Gm9725	H2-T10	Hspg2
Gm15288	Gm16257	Gm9766	H6pd	Htr1b
Gm15295	Gm16309	Gm9783	Hace1	Htr2c
Gm15298	Gm16350	Gm9925	Haus6	Htr5a
Gm15317	Gm16499	Gm996	Hdac4	Htt
Gm15347	Gm16541	Golga3	Hdac9	Huwe1
Gm15350	Gm16549	Gpr101	Hdlbp	Iars
Gm15415	Gm16564	Gpr116	Heatr1	Ift140
Gm15477	Gm16568	Gpr123	Heatr5a	Igdcc4
Gm15518	Gm16638	Gpr125	Heatr5b	Igf1r

Igf2bp3	Irgq	Kcnq5	L1cam	Lrp6
Igf2r	Irs2	Kcns3	L3mbtl1	Lrp8
Igfbp7	Itgav	Kcnt2	Lag3	Lrrc16b
Ighmbp2	Itpkb	Kctd12	Lama5	Ltbp3
Iglon5	Itpr2	Kdm1b	Lamb2	Ltbp4
Igsf8	Itpr3	Kdm5d	Lamc1	Lypd6
Igsf9b	Itpripl2	Kdr	Lamc3	Lyst
Ikbkb	Itn1	Kif13b	Lancl3	Lztl1
Il10ra	Itn2	Kif16b	Lass2	Lzts1
Il18bp	Jag1	Kif19a	Lass4	Madd
Il1rap1	Jag2	Kif1a	Lca5	Mafb
Ino80c	Jakmip3	Kif21b	Ldoc1l	Magi1
Ino80d	Jmjd5	Kif26a	Leng8	Magi2
Inpp4a	Jmy	Kif26b	Lgi2	Magi3
Inpp4b	Jph1	Kif27	Lhfpl2	Maml3
Inpp5d	Kalrn	Kifc2	Lhfpl3	Man1a
Inpp5e	Kank1	Kirrel3	Lig3	Man2a1
Inpp5j	Kbtbd11	Klc2	Lin7a	Man2a2
Insr	Kbtbd4	Klf12	Lingo1	Map3k10
Ints1	Kbtbd7	Klf4	Lingo2	Map3k4
Ints2	Kcna1	Klhdc5	Lmbrd2	Mapk4
Ints7	Kcnb1	Klhl11	Lmf1	Mapk8ip2
Invs	Kcnb2	Klhl15	Lmtk2	Mapk8ip3
Ip6k1	Kcnc1	Klhl17	Lmtk3	Mapkbp1
Ipmk	Kcnd2	Klhl26	Lphn1	March4
Ipo9	Kcnd3	Klhl28	Lphn3	Mast2
Iqgap1	Kcng2	Klhl29	Lrba	Mbd1
Iqsec1	Kcng3	Klhl3	Lrch4	Mcm3ap
Iqsec2	Kcnh5	Klhl34	Lrfn3	Mdc1
Iqsec3	Kcnn3	Kndc1	Lrp1	Mdga1
Irak1	Kcnq2	Ksr1	Lrp3	Mdm4
Irgm2	Kcnq3	Ksr2	Lrp4	Mdn1

Mecp2	Mir434	Mtmr3	Ndst1	Nppc
Med12	Mir540	Mtmr9	Nedd9	Npr1
Med13l	Mir690	Mtr	Neo1	Npr2
Med15	Mir7-1	Mtss1l	Neto1	Nr3c2
Med23	Mir709	Mybbp1a	Nf2	Nrf1
Med25	Mir715	Myh10	Nfam1	Nrg1
Mef2a	Mir770	Myh9	Nfasc	Nrg3
Mef2d	Mir874	Myl9	Nfat5	Nsd1
Megf10	Mkl2	Myo10	Nfatc3	Ntng2
Meig1	Mll1	Myo18a	Nfx1	Ntrk3
Mela	Mll2	Myo1c	Nhsl1	Numa1
Mettl13	Mll3	Myo9b	Nhsl2	Nup205
Mex3b	Mll5	Myrip	Nid1	Nup210
Mfap3l	Mllt1	Myst3	Nipal3	Nup214
Mfhas1	Mllt6	Myst4	Nipal4	Obfc1
Mfsd10	Mme	Myt1	Nipbl	Obsl1
Mgat5	Mmp15	N28178	Nisch	Odf2
Miat	Mon1b	Naa25	Nkain3	Odz3
Mical1	Mon2	Naa30	Nlgn2	Odz4
Micall1	Morn1	Nacad	Nlgn3	Ogdhl
Mink1	Mpeg1	Narg2	Noc4l	Olfir692
Mir1188	Mre11a	Nav1	Nod1	Opn3
Mir137	Msh3	Nbas	Nol4	Orai2
Mir1896	Msh6	Nbea	Nomo1	Osbpl5
Mir1903	Msn	Nbeal2	Nos1ap	Otof
Mir1966	Mta3	Ncan	Nos3	Otud3
Mir199a-1	Mtap1a	Ncoa1	Notch1	Otud4
Mir3065	Mtap1s	Ncoa2	Notch2	Otud7b
Mir3102	Mtap6	Ncoa3	Notch3	Pabpc5
Mir337	Mtap7	Ncoa6	Notch4	Pacs1
Mir338	Mtap7d1	Ncor1	Npas1	Padi2
Mir421	Mtmr2	Ndor1	Nphp3	Pak6

Palm2	Pik3c2b	Pnpla3	Prrc2a	Rassf10
Pank3	Pik3cg	Poc5	Prrc2b	Rassf4
Papln	Pikfyve	Podxl	Prrc2c	Rbak
Paqr5	Pip5k1c	Pofut1	Prrt4	Rbm10
Paqr9	Pitpnm1	Pogk	Ptchd1	Rbm12
Pard3	Pitpnm2	Pogz	Ptger1	Rbm26
Parp4	Pkd1	Polr1a	Ptgfrn	Rbm33
Parp8	Plagl1	Pot1a	Ptpn14	Rbm4
Pcnt	Plcb1	Ppan	Ptprb	Rcan3
Pcnx	Plce1	Ppap2b	Ptprj	Rcsd1
Pcnxl2	Plec	Ppard	Ptprn2	Recql5
Pcsk4	Plekha1	Ppargc1b	Ptpro	Reep3
Pde4a	Plekha6	Ppfia1	Ptprs	Rell1
Pde4dip	Plekha7	Ppfia2	Ptprt	Reps2
Pde7b	Plekhg1	Ppip5k1	Pxdn	Ret
Pde8a	Plekhg3	Ppip5k2	Qser1	Rexo1
Pds5a	Plekhh1	Ppm1f	R3hdm1	Rfx1
Pds5b	Plekhh2	Ppm1l	Rab11fip3	Rfx3
Pdxk	Plekhm3	Ppp1r12b	Rab11fip4	Rfx7
Pdzd2	Plekhn1	Ppp1r16b	Rab30	Rgag1
Pecam1	Plod1	Ppp1r9a	Rab43	Rgp1
Peli3	Plxna1	Ppp2r1b	Rab711	Rhobtb1
Pex1	Plxna2	Ppp2r2c	Rad54l2	Rimbp3
Pex12	Plxna3	Prdm5	Rai1	Rnf111
Phc1	Plxna4	Prex1	Ralgapa2	Rnf121
Phc3	Plxnb1	Prickle1	Ralgds	Rnf123
Phf15	Plxnb2	Prickle2	Ranbp10	Rnf141
Phf2	Plxnb3	Prkg1	Rap1gap2	Rnf144a
Pi4ka	Plxnc1	Prkrir	Rapgef2	Rnf157
Pigg	Pnma2	Prom1	Rapgef5	Rnf207
Pign	Pnmal1	Prpf8	Rasa3	Rnf213
Pigq	Pnmal2	Prr12	Rasal1	Rnf38

Rnf44	Sdk2	Shank3	Slc35e1	Snord64
Rnft2	Sdpr	Shc3	Slc36a1	Snord7
Robo1	Sec14l5	She	Slc38a1	Snrnp200
Robo4	Sec16a	Shisa7	Slc38a5	Sntb1
Rpe	Sec24b	Siah3	Slc39a14	Snx12
Rpgrip1l	Sema3c	Sidt2	Slc44a5	Snx27
Rps6kc1	Sema3f	Sik2	Slc4a11	Snx29
Rptor	Sema3g	Sik3	Slc4a8	Snx30
Rpusd3	Sema6a	Sike1	Slc6a1	Solh
Rreb1	Sema6c	Sipa1l2	Slc6a17	Son
Rsb1	Sema7a	Sipa1l3	Slc6a6	Sorcs1
Rsc1a1	Senp1	Sirt6	Slc7a14	Sorcs2
Rtel1	Senp7	Six3os1	Slc7a5	Sorcs3
Rundc2a	Sept8	Skp2	Slc9a1	Sorl1
Rusc1	Serinc5	Slain1	Slc9a5	Sort1
Rusc2	Setbp1	Slc11a2	Slco1c1	Sp140
Saal1	Setd1a	Slc12a5	Slco2b1	Sp2
Samd5	Setd1b	Slc12a6	Sln5	Spata13
Samhd1	Setdb1	Slc16a14	Slitrk3	Specc1
Sap30l	Sfmbt2	Slc16a2	Slitrk4	Spen
Sash1	Sfrp1	Slc16a7	Smad3	Spna2
Sbf1	Sfswap	Slc1a1	Smad4	Spnb1
Sbk1	Sft2d2	Slc1a2	Smarca1	Spnb2
Scaf1	Sgip1	Slc22a23	Smarcc1	Spock2
Scap	Sgms1	Slc22a5	Smcr8	Spon1
Scfd2	Sgsm1	Slc22a8	Smek1	Spred2
Scn3a	Sgsm2	Slc24a2	Smg6	Spred3
Scn8a	Sgtb	Slc29a3	Smg7	Spsb4
Scrt1	Sh3bp4	Slc2a1	Smyd3	Srbd1
Scyl3	Sh3pxd2a	Slc2a13	Sned1	Srcap
Sdc2	Shank1	Slc2a8	Snora28	Srcin1
Sdc3	Shank2	Slc35b4	Snord45b	Srebf1

Srf	Sympk	Tie1	Tns1	Tyk2
Srgap1	Syn3	Tle1	Tom1l2	Uaca
Srgap3	Syne1	Tle2	Tpcn2	Uap2
Srpk3	Syngap1	Tln1	Traf3ip2	Uap2l
Srr	Synj1	Tln2	Trappc10	Ubd
Srrm1	Szt2	Tmcc2	Trerf1	Ube2o
Srrm2	Tacc1	Tmco4	Tril	Ube4a
Srrm4	Tanc1	Tmco7	Trim25	Ubr2
Ssfa2	Tanc2	Tmem108	Trim56	Ubr4
Ssh3	Tbc1d16	Tmem131	Trim65	Uck2
St3gal2	Tbc1d2b	Tmem132b	Trim7	Uevld
St5	Tbc1d9	Tmem135	Trio	Uggt1
St6galnac2	Tbck	Tmem164	Trip11	Ugt8a
St6galnac3	Tbl1x	Tmem181a	Tro	Ulk2
St8sia2	Tcf20	Tmem2	Trpc1	Unc13a
Stard8	Tcf15	Tmem200a	Trpc3	Unc13b
Stard9	Tead1	Tmem201	Trrap	Unc5a
Stim1	Tecpr2	Tmem210	Tsc1	Unc5b
Stk11ip	Tenc1	Tmem74	Tsc2	Unc79
Ston1	Tep1	Tmtc2	Tspan18	Upf1
Ston2	Tert	Tnfrsf11a	Ttbk1	Urb1
Strn	Tet1	Tnfrsf18	Ttc28	Ushbp1
Strn4	Tet3	Tnfrsf1a	Ttc34	Usp22
Stx1b	Tgfbrap1	Tnfrsf21	Ttc7b	Usp37
Stxbp4	Thada	Tnfsf12	Ttc8	Usp49
Stxbp5	Thbs3	Tnik	Ttc9c	Utp14b
Sugp2	Thrb	Tnip2	Tti1	Utrn
Sun1	Thsd1	Tnks1bp1	Tub	Uxt
Susd1	Thsd7a	Tnr	Tubgcp4	Vasn
Suv420h1	Thtpa	Tnrc18	Tulp4	Vprbp
Sv2c	Tia1	Tnrc6b	Twsg1	Vps13c
Swap70	Tiam1	Tnrc6c	Txlna	Vps13d

Vps18	Wnk2	Zdhhc8	Zfp3612	Zfp74
Vps33a	Xdh	Zdhhc9	Zfp382	Zfp786
Vps39	Xkr6	Zeb1	Zfp384	Zfp804a
Vti1a	Xkr7	Zeb2	Zfp39	Zfp827
Vwa5b2	Xlr3b	Zer1	Zfp398	Zfp846
Vwc2	Xpo6	Zfc3h1	Zfp407	Zfp865
Wasf3	Xpr1	Zfhx2	Zfp41	Zfyve1
Wasl	Xrn1	Zfhx2as	Zfp507	Zfyve20
Wbp7	Xylt1	Zfp106	Zfp518b	Zgpat
Wdfy3	Ylpm1	Zfp109	Zfp532	Zhx3
Wdr11	Yod1	Zfp12	Zfp551	Zkscan16
Wdr13	Zbtb16	Zfp174	Zfp597	Zmiz1
Wdr19	Zbtb4	Zfp192	Zfp609	Zmynd12
Wdr26	Zbtb49	Zfp238	Zfp629	Zmynd8
Wdr52	Zbtb7a	Zfp295	Zfp641	Znf512b
Wdr59	Zc3h12c	Zfp316	Zfp646	Znfx1
Wdr76	Zc3h3	Zfp335	Zfp664	Znrf3
Wdr90	Zc3h7b	Zfp346	Zfp697	Zscan22
Wfs1	Zcchc14	Zfp366	Zfp704	Zzef1
Wnk1	Zdhhc17	Zfp369	Zfp715	

**Increase,
Withdrawal
only**

0610011L14Rik	2310079F23Rik	5031439G07Rik	Abcc8	Ampd3
1110012J17Rik	2410133F24Rik	5330417C22Rik	Abcg1	Amz1
1110018G07Rik	2410137F16Rik	5430405H02Rik	Abcg2	Anapc10
1110021J02Rik	2600006K01Rik	5730494N06Rik	Abhd1	Ankdd1a
1110028C15Rik	2610028E06Rik	5930403L14Rik	Abl2	Ankk1
1300018J18Rik	2610034B18Rik	6330409D20Rik	Acpl2	Ankle1
1500002O10Rik	2700062C07Rik	6330512M04Rik	Acta2	Ankrd11
1700001K19Rik	2810030E01Rik	6330545A04Rik	Actr5	Ankrd24
1700012A16Rik	2810442N19Rik	6430550D23Rik	Adam15	Ankrd34c
1700020A23Rik	2900056M20Rik	6530401N04Rik	Adam1b	Ankrd39
1700021J08Rik	2900072N19Rik	9030624J02Rik	Adamts1	Ankrd56
1700021K19Rik	3010001F23Rik	9330160F10Rik	Adamts2	Ankrd61
1700028N14Rik	3110079O15Rik	9430008C03Rik	Adamts20	Anks3
1700047K16Rik	4632415L05Rik	9430015G10Rik	Adamts3	Ano6
1700047M11Rik	4632428N05Rik	9430021M05Rik	Adamtsl1	Ano8
1700051A21Rik	4732471J01Rik	9430091E24Rik	Adamtsl4	Aoc2
1700064E03Rik	4833442J19Rik	9530052E02Rik	Adamtsl5	Ap1m1
1700069B07Rik	4921518J05Rik	9630001P10Rik	Adap2	Ap2a1
1700086L19Rik	4930432K21Rik	A330040F15Rik	Adat2	Apaf1
1700095B22Rik	4930442H23Rik	A430046D13Rik	Afap1	Aqp9
1700112M01Rik	4930507D05Rik	A430105I19Rik	Afap1l2	Arap1
1700113I22Rik	4930579C15Rik	A730011L01Rik	Aga	Arhgap1
1700121F15Rik	4930581F22Rik	A830007P12Rik	Agpat3	Arhgap17
1700125H03Rik	4931440F15Rik	A830012C17Rik	Agrp	Arhgap22
2310002J15Rik	4933417D19Rik	A830093I24Rik	Al428936	Arhgap23
2310042D19Rik	4933424B01Rik	A930028C08Rik	Al646023	Arhgap27
2310044G17Rik	4933426M11Rik	AA986860	Ajap1	Arhgap29
2310058D17Rik	4933427D14Rik	Abca7	Ak5	Arhgap33
2310061J03Rik	4933432B09Rik	Abcb9	Akap8l	Arhgef1
2310067B10Rik	4933439C10Rik	Abcc1	Alg12	Arhgef40
	5031425E22Rik	Abcc10	Als2cl	Arhgef7
	5031434O11Rik	Abcc4	Amigo1	Arid1b

Arid3b	B3gat1	C030014I23Rik	Ccnt1	Clstn1
Armcx2	B430305J03Rik	C030023E24Rik	Cd248	Cml5
Arnt	B430319F04Rik	C130036L24Rik	Cd274	Cnm3
Arv1	B4galnt4	C1galt1	Cd2ap	Cnst
Arx	Bag6	C230057M02Rik	Cd33	Cntfr
Asb6	Bahd1	C2cd4b	Cd34	Cntnap5c
Ascc2	Bai1	C530025M09Rik	Cd84	Cobll1
Asprv1	BC007180	Cables2	Cd97	Cog2
Astn2	BC017158	Cacna1h	Cdc25b	Col11a1
Atcay	BC018242	Cacna1i	Cdc42bpg	Col1a2
Atf6b	BC023829	Cacng8	Cdk12	Col27a1
Atg16l2	BC024978	Cad	Cdk17	Col2a1
Atg2a	BC026600	Caln1	Cdk8	Col4a1
Atg4b	BC030499	Camk2a	Cebpb	Col4a2
Atp11c	BC034090	Cant1	Celf3	Col6a1
Atp13a1	BC060267	Capn1	Celf5	Col6a2
Atp2a3	BC068157	Car12	Genpt	Coro1c
Atp6v1c2	Bche	Car4	Cep110	Coro2b
Atxn2l	Bcl11a	Card10	Cercam	Coro7
AU021092	Bcl11b	Caskin2	Cfb	Cpne4
AU022252	Bcr	Casp6	Chd2	Cpsf4
AU040320	Bend3	Casz1	Chd8	Crem
Auts2	Bglap-rs1	Cbfa2t3	Cherp	Crocc
AW549877	Bhlhb9	Cc2d1b	Chfr	Cry2
AW554918	Bmf	Ccdc108	Chrm1	Crybg3
AY036118	Bmp1	Ccdc120	Chst15	Csad
Azi1	Bmp4	Ccdc163	Ciz1	Csf1r
B130046B21Rik	Brf1	Ccdc81	Clcn1	Csf2ra
B130055M24Rik	Brpf3	Ccdc84	Cldn5	Csgalnact1
B230120H23Rik	Bst2	Ccdc88b	Clec11a	Csk
B230208H17Rik	Btbd17	Ccdc88c	Clec14a	Csnk1d
B230314M03Rik	Bud13	Ccdc97	Cln5	Ctnnal1

Ctns	Dgkd	Eif2d	Fam193a	Foxp2
Cyp26b1	Dhcr24	Eif4enif1	Fam196a	Frmd8
Cyp4f16	Dhx34	Eil	Fam38a	Frmppd1
Cyth3	Dhx35	Eme2	Fam40b	Fuk
D030047H15Rik	Dhx37	Emr1	Fam49a	Furin
D330050G23Rik	Diap1	Enpp6	Fam53a	Fxyd4
D3Bwg0562e	Disc1	Entpd5	Fam53c	Fzr1
D430020J02Rik	Dlg4	Epc1	Fam73b	Gab2
D630041G03Rik	Dlgap3	Epha8	Fam89a	Gal3st1
D930015M05Rik	Dlgap4	Ephb3	Fan1	Galnt10
Dapk1	Dlk1	Epn1	Fancc	Galnt14
Dbil5	Dlk2	Epn2	Fbln2	Gapdhs
Dbnidd1	Dll4	Eps15l1	Fbrsl1	Gbe1
Dcaf12l2	Dnahc17	Eps8	Fbxl16	Gbx2
Dcdc2b	Dnase111	Ercc8	Fbxl21	Gcn1l1
Dcdc2c	Dpagt1	Esam	Fbxl8	Gem
Dclk3	Dpf3	Etv4	Fbxo32	Gfra1
Dclre1a	Drd3	Etv6	Fbxo39	Gga2
Dcst1	Dsel	Evpl	Fbxo45	Gga3
Ddr1	Dusp16	Exoc8	Fcho1	Ggta1
Ddx21	Dusp8	Extl3	Fdxacb1	Gigyf1
Ddx31	E130304I02Rik	Eya2	Fes	Gigyf2
Ddx41	E4f1	F630110N24Rik	Fgfrl1	Git2
Def8	Ece1	Fam102b	Fggy	Gjd3
Defb7	Ecm1	Fam116b	Filip1	Gle1
Dennd4b	Edem1	Fam123b	Flad1	Gltd1
Depdc5	Eea1	Fam125b	Fli1	Gm10010
Dera	Eftud2	Fam149b	Flt3l	Gm10083
Det1	Egr3	Fam160b1	Fnbp4	Gm10135
Dffb	Ehd1	Fam163a	Fosl2	Gm10174
Dgat1	Ehmt2	Fam171a2	Foxk2	Gm10190
Dgcr14	Eif2ak3	Fam176a	Foxn3	Gm10421

Gm10518	Gm14573	Gm16256	Golgb1	Helq
Gm10584	Gm14862	Gm16323	Gon4l	Herpud2
Gm10638	Gm15156	Gm16349	Gopc	Hif1an
Gm10818	Gm15200	Gm16365	Gp1ba	Hip1r
Gm10973	Gm15287	Gm16485	Gpatch8	Hipk4
Gm11201	Gm15328	Gm16552	Gpc1	Hist1h1e
Gm11646	Gm15337	Gm16617	Gpc6	Hist1h2ag
Gm11705	Gm15552	Gm16624	Gpr124	Hist1h2bh
Gm11767	Gm15591	Gm16684	Gpr146	Hist2h4
Gm11788	Gm15623	Gm16793	Gpr180	Hmgxb3
Gm11948	Gm15624	Gm16861	Gpr30	Hpcal4
Gm12212	Gm15645	Gm16878	Gpr52	Hps1
Gm12265	Gm15658	Gm2115	Gpsm1	Hps3
Gm12668	Gm15663	Gm4409	Gpsm2	Hs1bp3
Gm12709	Gm15672	Gm5465	Gramd1a	Hs6st1
Gm12840	Gm15726	Gm5577	Grin2c	Hsd17b7
Gm13199	Gm15775	Gm6145	Grm4	Htr4
Gm13308	Gm15816	Gm6288	Gtf3c3	Htr6
Gm1337	Gm15851	Gm7008	Gtf3c4	Hyal1
Gm13399	Gm15857	Gm7102	Gtpbp1	lbtck
Gm13547	Gm15883	Gm8923	Gucy1a3	lck
Gm13554	Gm15893	Gm9017	Gxylt1	ldua
Gm13709	Gm15917	Gm9821	Gzf1	lfi27l2a
Gm14136	Gm15918	Gm9945	H2-Ab1	lfitm3
Gm14149	Gm15996	Gm9970	H2-T24	lft57
Gm14198	Gm16001	Gmeb2	Has3	lft88
Gm14204	Gm1604b	Gmppa	Hck	lgsf3
Gm14275	Gm16050	Gna12	Hdac6	lgsf9
Gm14401	Gm16105	Gnal	Hdac8	ll17ra
Gm14420	Gm16108	Gnaz	Hdx	ll6ra
Gm14455	Gm16119	Gne	Heatr6	Ino80
Gm14462	Gm16172	Golga2	Heca	Inpp5k

Insc	Kctd8	Leprel2	Map3k3	Mir138-1
Insl3	Kdm2a	Lgals6	Map4k2	Mir138-2
Insm1	Kdm3a	Lgr4	Map4k4	Mir186
Ints10	Kdm4b	Lhx6	Map6d1	Mir1893
Ints4	Kdm5b	Limch1	Mapk8ip1	Mir1900
lqgap2	Kdm5c	Lime1	March8	Mir1901
Irf2	Kdm6b	Lims1	Mark1	Mir1905
Irgm1	Khsrp	Lingo3	Marveld1	Mir1906-1
Islr	Kif13a	Lins	Masp1	Mir1969
Isoc1	Kif17	Llgl1	Masp2	Mir1970
Itga5	Kif7	Lmbr1l	Mast3	Mir212
Itga9	Kif9	Lmf2	Matn2	Mir2139
Itgam	Kirrel	Lmo7	Mau2	Mir219-1
Itgb4	Klf2	Lnx2	Mbd4	Mir219-2
Itpr1	Klf7	Lrfrn2	Mbd6	Mir2861
Jakmip1	Klhdc10	Lrig3	Mboat1	Mir3062
Jph3	Klhdc7a	Lrrc3	Mbtps1	Mir3070b
Jph4	Klhl14	Lrrc45	Mcam	Mir3072
Jup	Klhl18	Lrrc55	Med16	Mir344-2
Kank2	Klhl2	Lrtm2	Meg3	Mir344b
Kank3	Klhl20	Lsr	Megf8	Mir344d-3
Kank4	Klhl22	Lysmd3	Mesdc1	Mir344g
Kbtbd3	Klhl23	Lzic	Mex3d	Mir376a
Kcna3	Klhl35	Mafg	Mfap2	Mir453
Kcnh1	Klhl36	Mag	Mgat5b	Mir485
Kcnh2	Krba1	Maml2	Mgrn1	Mir493
Kcnh6	Kremen1	Man1c1	Mical3	Mir568
Kcnj2	Lamb1	Man2b1	Mir124a-1	Mir698
Kcns1	Lcmt2	Mansc1	Mir124a-2	Mir700
Kcns2	Lcp2	Map2k6	Mir124a-3	Mir718
Kcnt1	Lemd3	Map2k7	Mir128-2	Mir761
Kctd11	Lepre1	Map3k11	Mir134	Mir9-1

Mirg	Nav2	Nupl1	Pcolce	Plaa
Mirlet7e	Nbr1	Oasl2	Pdcd11	Plat
Mkl1	Ncapd2	Obfc2a	Pde10a	Plcg1
Mknk2	Nckap1l	Ocel1	Pde2a	Plch2
Mlf1ip	Ncln	Odz2	Pde4c	Pld1
Mllt10	Ncoa5	Olfm3	Pde8b	Plekha5
Mllt4	Ncrna00086	Olfr239	Pde9a	Plekha2
Mlxip1	Ncstn	Osbp	Pdgfb	Plin3
Mmp28	Ndst2	Osbpl10	Pdgfrb	Plod3
Mn1	Neat1	Osbpl11	Pdzd7	Pltp
Mocs1	Nedd4l	Osbpl7	Pdzrn3	Plxnd1
Mocs3	Nes	Osgin1	Pear1	Pms1
Morc3	Neur11a	Oxsr1	Pex6	Pola2
Mphosph9	Neur12	P2rx6	Pgbd1	Polr1b
Mpp2	Neur14	P2ry14	Pgm1	Polr3f
Mprip	Nfatc2	P2ry6	Phactr4	Polr3g
Mr1	Nfic	Palm	Phf16	Pou3f4
Mtmr1	Nfrkb	Palmd	Phldb1	Ppapdc1b
Mtmr12	Nhlrc3	Pan2	Pias3	Ppara
Mtmr14	Nkd1	Pank1	Pid1	Ppifos
Myh11	Nol6	Paox	Pigk	Ppih
Mylk	Notum	Papd5	Pik3cd	Ppp1r13l
Mynn	Nova2	Paqr3	Pik3r3	Ppp2r5a
Myo16	Npas3	Pard6g	Pik3r4	Ppp6r1
Myo1d	Nploc4	Parp9	Pip4k2b	Ppp6r3
Myo3b	Nradd	Parvb	Pkd2	Pppde1
Mzf1	Nras	Parvg	Pkn1	Pprc1
n-R5-8s1	Nsmaf	Pask	Pknox1	Prcp
N4bp1	Nsun3	Paxip1	Pknox2	Prdm10
Naa40	Ntn1	Pbx1	Pla2g3	Prdm11
Nat10	Nup133	Pcif1	Pla2g4b	Prdm15
Nat6	Nup93	Pcnxl3	Pla2g5	Prkch

Prkdc	Rasa2	Sbno2	Slc37a1	Snord37
Prosapip1	Rasgrp2	Scaf8	Slc38a10	Snord45c
Prox2	Rbck1	Scamp2	Slc38a11	Snord49a
Prpf18	Rbm14	Scrib	Slc38a3	Snord68
Prr22	Rbm19	Scube3	Slc38a9	Snord83b
Prrt3	Rbm27	Sds	Slc39a3	Snord88a
Pskh1	Rbms2	Sec31a	Slc40a1	Snrk
Psmg1	Rccd1	Sema4c	Slc44a2	Snx15
Ptcd1	Rcor1	Sema5b	Slc46a3	Snx19
Ptch2	Reck	Sepn1	Slc4a2	Snx25
Ptchd2	Rftn2	Sepsecs	Slc4a3	Socs6
Ptpn1	Rfx4	Serac1	Slc5a7	Sox17
Ptpn13	Rfx5	Serpinb9	Slc6a13	Sox18
Ptpn21	Rgl2	Serpinf1	Slco5a1	Sp9
Ptpn23	Rimbp2	Sez6	Smarca4	Spata2
Ptpn9	Rimkla	Sf3b3	Smcr7	Specc11
Ptpre	Rin1	Sh2b3	Smok4a	Spice1
Ptprm	Rn4.5s	Sh3bp2	Smpd3	Spnb3
Ptprn	Rnf150	Sh3rf3	Smpd4	Spnb4
Ptprv	Rnf24	Shc2	Smpdl3b	Sprn
Pum1	Rnf40	Shisa9	Smurf1	Spry1
Pus10	Rnpepl1	Shkbp1	Snapc4	Srsf12
Pvr	Rp2h	Sipa111	Sncaip	Srsf6
Pvt1	Rtbdn	Six5	Snora16a	Ss18l1
Pwp2	Rwdd3	Ski	Snora30	Sssca1
Pycard	Rwdd4a	Skiv2l	Snora61	St3gal1
Qrfpr	Rxfp3	Slc19a1	Snora74a	St6gal1
Rab36	Ryr1	Slc19a2	Snora7a	St6gal2
Rapgef1	S100a4	Slc24a4	Snora81	Stab1
Rapgef3	Sap130	Slc26a1	Snord14c	Stat1
Rapgef11	Sap25	Slc26a2	Snord2	Stat3
Rara	Sbf2	Slc30a4	Snord32a	Stat5a

Stk10	Tmem169	Ttc15	Vsig10l	Zfp167
Stk17b	Tmem184b	Ttc30a2	Vsig2	Zfp169
Stk35	Tmem196	Ttc32	Vwa5a	Zfp187
Stk40	Tmem204	Ttc5	Wdr24	Zfp219
Stra6	Tmem214	Ttc9	Wdr4	Zfp248
Sulf2	Tmem39b	Ttll4	Wdr41	Zfp317
Supt5h	Tmem42	Ttpal	Wdr44	Zfp319
Supt6h	Tmem44	Tuba8	Wdr78	Zfp334
Susd4	Tmem86b	Tubd1	Whsc2	Zfp361l
Svil	Tmod3	Tubgcp6	Wiz	Zfp446
Syt6	Tnfaip8l1	Txndc11	Wsb1	Zfp503
Syt7	Tnfsf13	Tysnd1	Wscd1	Zfp516
Taf4a	Tnk2	Uba7	Wscd2	Zfp518a
Tatdn2	Tnpo2	Ubap1	Wwc1	Zfp523
Tbc1d20	Tox3	Ube3b	Wwc2	Zfp526
Tbc1d4	Tpp2	Ubp1	Wwp2	Zfp53
Tbc1d8	Trabd	Uck1	Wwtr1	Zfp575
Tcerg1l	Traf7	Ulk1	Xpc	Zfp592
Tcf7	Trafd1	Ulk3	Yaf2	Zfp598
Tctn1	Trank1	Urb2	Yes1	Zfp628
Tctn3	Trim3	Urgcp	Ypel2	Zfp651
Tdp1	Trim35	Usp19	Ythdf3	Zfp652
Tead3	Trim36	Usp3	Zbed4	Zfp653
Terf2ip	Trim46	Usp6nl	Zbtb10	Zfp668
Tes	Trim62	Usp8	Zbtb34	Zfp710
Tfdp2	Trim9	Vav2	Zbtb43	Zfp738
Tgfa	Trpc6	Vax1	Zcchc3	Zfp763
Thap1	Trpm4	Vcl	Zdhhc22	Zfp777
Thbd	Tsga10	Vgll4	Zdhhc23	Zfp790
Tle4	Tshz1	Vldlr	Zfp111	Zfp809
Tm4sf5	Tspan9	Vps54	Zfp112	Zfp862
Tmem150a	Ttc13	Vrk1	Zfp142	Zfp867

Zfp951
Zfr2
Zfyve16

Zfyve19
Zfyve26
Zfyve28

Zkscan17
Zkscan4
Zmiz2

Zmym3
Zscan30
Zswim1

Zswim4
Zswim5
Zswim6

**More transient
increase cocaine
only**

1110018J18Rik	4930483K19Rik	Accs	Appl2	Bclaf1
1200011I18Rik	4930539J05Rik	Acer2	Aqr	Bdp1
1500010J02Rik	4930578G10Rik	Acer3	Ar	Bend4
1600012F09Rik	4932443L11Rik	Acot6	Arap3	Bmpr1a
1700006P19Rik	4933403G14Rik	Acp2	Arhgap19	Bmpr1b
1700019G17Rik	4933407C03Rik	Acsbg1	Arhgap24	Bnip2
1700020D05Rik	4933411K20Rik	Acvr1c	Arl13b	Btaf1
1700030C12Rik	5330426P16Rik	Adal	Arl4c	Btbd11
1700030C14Rik	6230400D17Rik	Adam10	Arl5b	C130040N14Rik
1700080N15Rik	6330418K02Rik	Adat1	Arntl2	C130071C03Rik
1700084C01Rik	6330503K22Rik	Add1	Ate1	C230004F18Rik
1700087M22Rik	6430590A07Rik	Agbl5	Atg4a	C230096C10Rik
1700120B22Rik	6430704M03Rik	Al429214	Atp13a4	C330006K01Rik
1700120K04Rik	6430706D22Rik	Al464131	Atp9b	C430048L16Rik
1700125G02Rik	6720456H20Rik	Akna	Atrx	C920011F04Rik
2010106G01Rik	9130011E15Rik	Alg13	AV039307	Cadps2
2010317E24Rik	9130019P16Rik	Alg6	B230209E15Rik	Calhm2
2210018M11Rik	9330101J02Rik	Alox5ap	B230216N24Rik	Camk2d
2210411M09Rik	9430060I03Rik	Angpt1	B230369F24Rik	Cand2
2310028H24Rik	9530068E07Rik	Angptl4	B3galt2	Capns2
2310068J16Rik	A230057D06Rik	Ankrd10	B4galt1	Capza1
2310069G16Rik	A430033K04Rik	Ankrd13c	B930003M22Rik	Car15
2700007P21Rik	A430110L20Rik	Ankzf1	Bag4	Car8
2700078E11Rik	A4galt	Anln	Bbs12	Cask
2900005J15Rik	A730011C13Rik	Ano4	BC020402	Cbfb
2900006K08Rik	A730081D07Rik	Anxa9	BC035947	Cbx5
2900026A02Rik	A930001N09Rik	Aox1	BC048403	Ccdc116
3110082D06Rik	A930035D04Rik	Ap3b1	BC049715	Ccdc164
4921531C22Rik	Aasdh	Aph1b	BC053749	Ccdc39
4930478K11Rik	Abhd4	Aph1c	BC088983	Ccdc66
	Abi2	Apitd1	BC089491	Ccdc75
	Accn1	App	Bcar3	Ccdc85a

Ccdc96	Creb3l1	Dos	Etv5	Fgfr1op
Ccnd1	Creg1	Dpyd	Exoc2	Fgfr1op2
Ccnd3	Crlf3	Dpysl3	Exoc3l	Fhl1
Ccnt2	Crtc3	Dscc1	Exosc8	Fign
Ccny	Csrp2	Dscr3	F11r	Fiz1
Ccrn4l	Ctbp2	Dsn1	Fadd	Fktn
Cd164	Ctrl	Dusp11	Fam111a	Flcn
Cd164l2	Cul3	Dync2h1	Fam126b	Flt3
Cd27	Cwf19l1	Dynlt1a	Fam135a	Fmnl2
Cdc27	Cxcr7	Dzip3	Fam149a	Fosl1
Cdk19	Cyhr1	E2f3	Fam161b	Foxd1
Cdkl1	Cyp2j12	Ecel1	Fam184a	Foxp4
Cdr1	D130040H23Rik	Ecm2	Fam185a	Frmf3
Celf6	Dbr1	Eftud1	Fam199x	Fsd1l
Cep120	Dcdc2a	Elac1	Fam32a	Fstl5
Cep70	Dclk1	Elavl1	Fam35a	Fut9
Cflar	Dcn	Elovl5	Fam59b	Fxyd5
Chchd8	Dctd	Elovl7	Fam71e1	Gabpa
Chm	Dcun1d4	Emid1	Far1	Gabra1
Chst14	Ddo	Endod1	Fbln5	Gabra5
Chuk	Ddx3x	Enox	Fbxl14	Gabre
Ckap5	Dear1	Epb4.1l3	Fbxl5	Gal3st4
Cldn11	Dgkg	Epb4.1l5	Fbxo28	Galnt4
Clvs1	Dhdh	Epc2	Fbxo30	Galnt7
Cnksr3	Dhx57	Erap1	Fbxo33	Gbp5
Cno	Dis3l2	Erbb2ip	Fem1b	Gca
Col6a4	Dixdc1	Erc2	Fermt2	Gcc1
Copb2	Dlgap1	Eri2	Fgd6	Gdap1
Cpne1	Dmxl2	Ermn	Fgf1	Gdpd2
Cpne7	Dnajc28	Ero1l	Fgf14	Gfra2
Cpsf6	Dnhd1	Esyt1	Fgf20	Ggn
Cr1l	Doc2a	Etv1	Fgf22	Gjb2

Gjc3	Gm13830	Gm2542	Hist1h2ah	Jak2
Gjd2	Gm13844	Gm3227	Hist1h4k	Jmjd7
Gm10277	Gm13905	Gm3435	Hist1h4m	Kat2b
Gm10382	Gm14306	Gm9801	Hist1h4n	Kcnc2
Gm10545	Gm14327	Gm9917	Hist2h3c1	Kcnc4
Gm10654	Gm14403	Gm9954	Hook1	Kcnf1
Gm10711	Gm14418	Gmps	Hs2st1	Kcnj12
Gm1078	Gm14493	Gna13	Hspa5	Kcnj16
Gm10979	Gm14508	Gpatch2	Hyal2	Kcnj3
Gm11031	Gm14873	Gpc2	Hyou1	Kcnk10
Gm11127	Gm14966	Gpc4	Ido2	Kcnk12
Gm11192	Gm15063	Gpcpd1	Ids	Kcnk4
Gm11423	Gm15351	Gpd1l	lfi30	Kcnmb2
Gm11465	Gm15384	Gpr107	lfitm1	Kcnn2
Gm11651	Gm15441	Gpr149	lfnar2	Kctd10
Gm11670	Gm15471	Gpr153	Igdcc3	Kctd7
Gm11706	Gm15594	Gpr37	Igsf10	Kdelc1
Gm11739	Gm15675	Gpr75	Igsf11	Kdm4c
Gm11802	Gm15758	Gprc5b	Igsf6	Kdm6a
Gm12207	Gm15879	Grem2	lkbkg	Kif5b
Gm12319	Gm15938	Grhl1	lkzf1	Kiss1r
Gm12356	Gm15998	Gria4	ll4i1	Klf5
Gm12371	Gm16093	Grik1	Impad1	Klhl1
Gm12505	Gm16104	Gys1	Ing3	Klhl5
Gm12655	Gm16150	H2-DMb2	Ints12	Klhl7
Gm12689	Gm16185	H2-Q2	Ints6	Klhl9
Gm12746	Gm16234	Hba-a1	Ipo5	Kpna3
Gm13111	Gm16253	Hbb-b1	Ipp	Kremen2
Gm13293	Gm16344	Hcfc2	Iqcc	Krit1
Gm13298	Gm16537	Heph	Itga10	Larp4
Gm13402	Gm16721	Hfe	Iws1	Lats2
Gm13421	Gm16907	Hif3a	Izumo4	Lca5l

Lclat1	Mapk6	Mir491	Negr1	Pdgfc
Lcorl	Mast1	Mir9-2	Net1	Pdik11
Ldb3	Matn4	Mitf	Nfyb	Pdlim5
Ldlr	Mcm8	Mlec	Nlk	Pfkfb4
Ldlrap1	Mcmbp	Mlh3	Nmnat2	Pgm211
Lfng	Med1	Mobkl1a	Npff	Pgm3
Limd1	Med17	Morc4	Nptx1	Phf2011
Lims2	Memo1	Mpp1	Nr3c1	Phf21b
Lin28b	Mertk	Mpp5	Nrg2	Piga
Lipa	Mettl15	Mrgpre	Nsun7	Pik3ip1
Litaf	Mfap3	Mri1	Nubp1	Pik3r1
Lix1l	Mfng	Msi2	Nudt12	Pip5kl1
Lman1	Mfsd2a	Msl3	Nudt21	Pja2
Lnx1	Mfsd2b	Mtf2	Nup153	Pkia
Loxl3	Mfsd7b	Mtmr6	Ocrl	Pla2g6
Lrig2	Mgea5	Mtpn	Odf4	Plcb4
Lrrc16a	Mical2	Mtrr	Olfml1	Plch1
Lrrc48	Mipol1	Muc15	Olfr1393	Pld5
Lrrc58	Mir1193	Mum1	Optc	Plekhh3
Lrrtm1	Mir1249	Myadm	Orc3	Plin4
Lrrtm3	Mir155	Myc	Osgep	Plk3
Lrwd1	Mir185	Myst2	P2ry13	Pls1
Lsp1	Mir1897	n-R5s202	Pak2	Plscr1
Luc7l2	Mir208b	N4bp2l2	Panx2	Plscr4
Ly6a	Mir27b	Nacc1	Paqr8	Pml
Ly6c1	Mir3092	Nacc2	Parg	Pmm2
Lyz2	Mir323	Nbeal1	Parp11	Pmp22
Mab21l1	Mir331	Nckipsd	Pcgf6	Pnpla8
Mab21l2	Mir370	Ncoa7	Pcmd1	Polr3e
Magel2	Mir374c	Ndr1	Pcyox1l	Polr3k
Map3k14	Mir377	Ndst3	Pcyt1a	Pomt2
Mapk15	Mir425	Nefm	Pcyt1b	Ppargc1a

Ppat	Ranbp6	Rnpc3	Shroom1	Spast
Ppfibp1	Ranbp9	Rock2	Slain2	Spata5l1
Ppp1r12a	Rap1gds1	Rod1	Slc10a3	Spata6
Ppp1r3d	Rassf8	Rpap2	Slc10a7	Spats1
Ppp1r3e	Raver2	Rph3a	Slc16a13	Spin1
Ppp2r3a	Rb1cc1	Rrm1	Slc18a2	Spin2
Ppp2r5e	Rbbp5	Rsf1	Slc22a15	Spock1
Pramef8	Rbm15b	Rsph10b2	Slc2a4	Spred1
Prdm16	Rbm45	Rtkn2	Slc35a3	Spty2d1
Prkab1	Rc3h2	Rufy2	Slc35e2	Srek1
Prkab2	Rcbtb1	Rwdd2b	Slc39a8	Srpr
Prkacb	Rdh9	Satb2	Slc41a2	Ssr1
Prkar2a	Rffl	Sc5d	Slc45a4	Ssxb5
Prkcq	Rgl3	Scn3b	Slc4a10	St18
Prkg2	Rgnef	Scn5a	Slc4a1ap	Stag1
Prkra	Rhbdd1	Scx	Slc4a7	Stag2
Prpf4	Rhbdf1	Sec23b	Slc6a9	Steap2
Prps1l3	Rhob	Sec24d	Slc7a6	Stk38
Prr18	Rhobtb3	Senp6	Slitrk1	Strbp
Prrc1	Rhoq	Serinc1	Slitrk2	Stx17
Prrg2	Rhpn2	Serpind1	Smad5	Stx3
Psmd5	Rif1	Serpinh1	Smc2	Stxbp6
Ptprk	Rims4	Sf3b1	Smek2	Sv2b
Qk	Rinl	Sfrp2	Smoc1	Sybu
Rab22a	Rint1	Sgcz	Smurf2	Syn1
Rab23	Ripply2	Sh2d3c	Snap91	Taf1
Rab27b	Rlf	Sh2d5	Snord16a	Taf2
Rab9b	Rlim	Sh2d6	Snord19	Tbc1d12
Rabgap1	Rnf145	Sh3bgrl2	Snx13	Tbc1d5
Racgap1	Rnf152	Sh3yl1	Socs5	Tbl2
Rad51l3	Rnf214	Shisa6	Sos2	Tcf12
Rad52	Rnf31	Shoc2	Spag8	Tcte2

Tdrd3	Tnfrsf4	Usp11	Zbtb46	Zfp9
Tecpr1	Tnpo3	Usp29	Zbtb7b	Zfp935
Tgfb2	Tollip	Usp33	Zbtb8b	Zfp950
Tgfb1	Tonsl	Usp40	Zcchc11	Zfp955b
Tha1	Top2b	Utp20	Zcchc13	Zhx1
Thap2	Tor1aip1	Uty	Zcchc16	Zkscan5
Thns1	Tox	Vat1l	Zcchc24	Zmat4
Thsd7b	Tox2	Vegfa	Zdhhc15	Zmym4
Timp2	Traf6	Vezt	Zfp125	Zranb3
Tle6	Trappc8	Vps37a	Zfp161	Zscan2
Tm6sf1	Trib2	Vsig10	Zfp26	
Tm7sf3	Trim17	Vwa5b1	Zfp266	
Tm9sf4	Trim33	Wdr17	Zfp273	
Tmc4	Trim37	Wdr35	Zfp275	
Tmem120b	Trim45	Wdr48	Zfp280c	
Tmem145	Trp53inp1	Wdr5b	Zfp324	
Tmem151b	Tsga14	Wdr6	Zfp395	
Tmem170b	Tspan2	Wdr67	Zfp397	
Tmem179b	Tspyl5	Wdr75	Zfp423	
Tmem188	Ttc14	Wdr85	Zfp451	
Tmem194b	Ttll9	Wipf3	Zfp467	
Tmem229a	Ttr	Wipi1	Zfp472	
Tmem47	Tubgcp3	Wwp1	Zfp57	
Tmem50b	Txlng	Xiap	Zfp605	
Tmem56	Uba6	Xpo1	Zfp612	
Tmem63a	Ubash3b	Xpo5	Zfp623	
Tmem67	Ube3a	Xrcc6bp1	Zfp644	
Tmem69	Ube3c	Ybx2	Zfp654	
Tmem82	Ubxn2a	Yipf6	Zfp689	
Tmpo	Ubxn7	Ywhag	Zfp709	
Tmx3	Uggt2	Zbtb26	Zfp780b	
Tmx4	Uncx	Zbtb41	Zfp828	

(iv) Transient decrease, C only	Neuro-peptide	Lipid	Cadherin type	GPCR kinases	Arrestins	Gb subunits	Gg subunits	RGS	Adenylate cycases	Phosphorylase b kinases	CREB	Cadherins	Proto-cadherins	1094
Fzd9	+													
Gipr	+													
Nmbr	+													
Npy5r	+													
S1pr4		+												
Grk6				+										
Rgs19								+						
Rgs9								+						
Cdh13												+		

**More transient
decrease,
cocaine only**

1110007C09Rik	2610027K06Rik	9230112E08Rik	Adat3	Arhgef15
1110008J03Rik	2610039C10Rik	9330151L19Rik	Adora2a	Arhgef16
1110034A24Rik	2610507I01Rik	9330159F19Rik	Aebp1	Arhgef2
1110034G24Rik	2810403A07Rik	9530091C08Rik	Afmid	Arhgef6
1110057K04Rik	2810408M09Rik	A230050P20Rik	Agap3	Arih2
1300002E11Rik	2810410L24Rik	A230051N06Rik	Agpat1	Arl16
1500015A07Rik	2810459M11Rik	A230083G16Rik	Agpat9	Armc8
1600027N09Rik	2900008C10Rik	A730020E08Rik	Al450353	Arpc1b
1700013F07Rik	2900073G15Rik	A830036E02Rik	Aif1l	Arrdc4
1700019G06Rik	2900076A07Rik	A930017K11Rik	Alad	Art3
1700020C07Rik	2900079G21Rik	AA960436	Aldh16a1	Arvcf
1700020O03Rik	3110021A11Rik	Aacs	Aldh3b1	Asb11
1700023F06Rik	3110070M22Rik	Aars	Alg14	Asb4
1700054N08Rik	3110082J24Rik	Abca8a	Alg9	Ascl1
1700088E04Rik	3830431G21Rik	Abcb4	Amdhd2	Aspdh
1700121C10Rik	4921536K21Rik	Abcd4	Amn	Atg7
1700123M08Rik	4922502B01Rik	Abhd13	Amn1	Atg9a
1810012K08Rik	4930430F08Rik	Abhd14b	Anapc5	Ath1
1810013D10Rik	4930500J02Rik	Abhd16a	Angel1	Atp6v0a1
1810030O07Rik	4930503L19Rik	Ablim2	Ankra2	AY074887
1810031K17Rik	4930520K10Rik	Acbd4	Ankrd13b	B230216G23Rik
2010110P09Rik	4930556J24Rik	Accn2	Ankrd13d	B3galt4
2200002K05Rik	4930570G19Rik	Actl6a	Ankrd16	B3gnt4
2310001K24Rik	4931415C17Rik	Actl6b	Ankrd34a	B4galt5
2310003C23Rik	4933403O08Rik	Actn2	Anks1b	B830017H08Rik
2310003H01Rik	5330437I02Rik	Actn4	Ap1b1	Bag2
2310016C08Rik	5730408K05Rik	Acy3	Ap1g2	Bap1
2410018L13Rik	5730507C01Rik	Acyp1	Ap4b1	Bbs10
2510002D24Rik	5830428H23Rik	Adam1a	Ap4m1	BC016222
2510012J08Rik	5830433M19Rik	Adam23	Apobec1	BC017612
	6230427J02Rik	Adam9	Aqp11	BC022687
	8430410A17Rik	Adamts16	Arfgap2	BC031361

BC037034	Car7	Celf1	Crebl2	Dem1
BC048355	Casq2	Cenpl	Crtc2	Dennd2a
BC057022	Catsper2	Cep5711	Cryz	Dfna5
BC065397	Cbx2	Cep63	Csrnp2	Dgka
BC067074	Cbx4	Cep76	Csrp2bp	Dgkz
Bcan	Cbx7	Cfp	Cstf1	Diras1
Bcl2l12	Ccdc101	Chd4	Ctcf	Dis3l
Bcl7a	Ccdc103	Chd7	Cx3cl1	Dkk3
Begain	Ccdc111	Chi3l1	Cyb561d1	Dlx2
Bend7	Ccdc134	Chic1	Cyp2t4	Dnajib3
Bgn	Ccdc151	Chkb	Cyth1	Doc2b
Blcap	Ccdc30	Chrm4	Cyth4	Doc2g
Bmi1	Ccdc40	Chst2	D030028A08Rik	Dok7
Bop1	Ccdc42	Chst8	D19Bwg1357e	Dolpp1
Brd4	Ccdc71	Chtf8	D19Ert4386e	Dom3z
Brsk2	Ccdc77	Cish	D230037D09Rik	Dph1
Bspry	Ccdc79	Ckap4	D330050116Rik	Dpp3
C030030A07Rik	Ccdc92	Clasrp	D4Ert422e	Dpysl4
C030048B08Rik	Ccne2	Clcf1	D6Wsu116e	Dram2
C130046K22Rik	Ccng2	Clic3	D7Ert443e	Drd1a
C1qtnf6	Ccnjl	Clic6	Dak	Drd2
C2cd2l	Cd151	Cln3	Dand5	Dtwd2
C2cd4c	Cd276	Cln6	Dbc1	Dusp10
C630043F03Rik	Cdc20	Cntf	Dbn1	Dusp28
C730034F03Rik	Cdc40	Cog3	Dcaf11	Dusp7
Cables1	Cdc42ep1	Col11a2	Dck	Dzip1l
Cacna2d3	Cdca4	Col23a1	Ddn	E130218I03Rik
Cacnb3	Cdca8	Colec12	Ddx11	E130307A14Rik
Cage1	Cdhr1	Coro1b	Ddx27	E130309F12Rik
Calcoco1	Cdk16	Cpne5	Ddx46	E230016M11Rik
Camkv	Cdyl	Cpne6	Ddx54	E230029C05Rik
Capn2	Cecr6	Cpsf3	Dedd2	E2f6

E430018J23Rik	Fam132a	Fkrp	Gm11728	Gm16266
Eaf1	Fam134c	Fmnl1	Gm11744	Gm16312
Eaf2	Fam171a1	Fnip2	Gm11815	Gm16707
Efcab10	Fam174a	Foxn2	Gm11974	Gm16731
Efcab4b	Fam179a	Foxo1	Gm12258	Gm16845
Efna1	Fam184b	Fst	Gm12279	Gm16892
Efnb1	Fam189b	Fut10	Gm12316	Gm16994
Egln1	Fam18a	Galnt11	Gm12339	Gm17018
Eif4ebp1	Fam195a	Galntl4	Gm12360	Gm17029
Elmod2	Fam203a	Galt	Gm12525	Gm4285
Elovl2	Fam20c	Gas8	Gm12758	Gm4841
Emp2	Fam3a	Gba2	Gm13031	Gm4980
Engase	Fam55d	Gbx1	Gm13706	Gm5868
Entpd3	Fam5b	Gclc	Gm13965	Gm5914
Ephb1	Fam65a	Gdpd5	Gm14169	Gm6578
Ephb4	Fam69b	Gemin4	Gm14286	Gm7694
Ercc3	Fam69c	Gemin6	Gm14302	Gm9776
Ercc4	Fancb	Ggt7	Gm14326	Gm9887
Ercc5	Fance	Gimap6	Gm14378	Gm9905
Erf	Fancf	Gins2	Gm14443	Gmeb1
Ergic1	Fbrs	Gltf	Gm14565	Golga1
Esyt3	Fbxl15	Gm10037	Gm14817	Golga5
Ets2	Fbxl2	Gm10118	Gm15396	Gpatch1
Ewsr1	Fbxl3	Gm10306	Gm15510	Gpatch3
Exoc1	Fbxo17	Gm10345	Gm15511	Gpr12
Exosc3	Fbxo42	Gm10395	Gm15512	Gpr137b
Exosc4	Fbxw8	Gm10615	Gm15545	Gpr27
Extl1	Fcgrt	Gm10643	Gm15605	Gpr6
Faf2	Fer1l5	Gm10657	Gm15945	Gpr83
Fam114a1	Fgf18	Gm10942	Gm15980	Gpr88
Fam123a	Fhl3	Gm11193	Gm16211	Gpsm3
Fam131c	Fkbp7	Gm11641	Gm16241	Grand2

Grwd1	Hmmr	Isg15	Lcp1	Mcf2l
Gsk3a	Hnrnpul2	Islr2	Ldoc1	Mcoln1
Gspt1	Hps4	Isyna1	Lgals9	Med20
Gtf2h4	Hr	ltga7	Lgi3	Med22
Gtf2ird1	Hrct1	ltgb3bp	Lhfp15	Med24
Gtf2ird2	Hs3st1	ltpk1	Lig4	Meis1
Gtf3c2	Hs3st5	ltpkc	Lmbr1	Meis2
Gtpbp6	Hsf1	ltprpl1	Lor	Meis3
Gucy1b3	Hvcn1	lvns1abp	Lrfn4	Mex3c
Gusb	Icam2	Jarid2	Lrrc14b	Micall2
Gzmm	Icam4	Jsrp1	Lrrc27	Mier2
H13	Icam5	Kat2a	Lrrc29	Miip
H1fx	Id1	Katnb1	Lrrc33	Mina
H2-BI	Ido1	Kazald1	Lrrcc1	Mir127
H2-K1	Iffo1	Kcna5	Lrrn2	Mir135a-1
H2afx	Ifit2	Kcng1	Lrrn3	Mir1839
H2afy3	Igfbp2	Kcnh3	Lrrtm4	Mir1895
Haus2	Ikbkap	Kcnh4	Ltbr	Mir1906-2
Hbp1	Ikzf4	Kcnh8	Ltc4s	Mir1963
Hcn2	Il17d	Kcnk6	Ltk	Mir1982
Hdac10	Il17rc	Kcnn1	Ly6g6f	Mir199a-2
Hdac7	Il21r	Kcnv1	Ly86	Mir199b
Heatr8	Il3ra	Kctd1	Lztr1	Mir22
Helb	Impdh1	Kdm5a	Mafk	Mir24-1
Higd1b	Inf2	Kif3b	Man1b1	Mir24-2
Hist1h2ac	Ing4	Kit	Man2c1	Mir29c
Hist1h2ad	Inha	Klc4	Maneal	Mir3057
Hist1h2ap	Inpp11	Klf16	Map2k3	Mir3060
Hist1h4d	Insig2	Kptn	Map2k5	Mir3074-1
Hist2h2be	Intu	Krt12	Mapk11	Mir3074-2
Hmbs	Ipo13	Lars	Mapkapk3	Mir3093
Hmg20b	Irf8	Lck	Mark4	Mir324

Mir343	Myh14	Ovca2	Pik3r5	Ptpn5
Mir3475	Myh7	P2rx7	Plagl2	Ptpn6
Mir369	n-R5s76	Pacrgl	Plcd3	Ptpra
Mir412	N4bp3	Pacsin2	Plcg2	Pttg1ip
Mir541	Nadsyn1	Paip2b	Plek	Pusl1
Mir679	Naprt1	Pak4	Plekhg5	Pvrl2
Mir688	Nckap5l	Pank4	Plk2	Pwwp2b
Mir702	Ncs1	Paqr6	Plk5	Pxmp4
Mirlet7c-2	Ndrg4	Pard6b	Plscr3	Pygb
Mknk1	Nek3	Parp1	Plxdc1	Rab11fip2
Mlst8	Nfatc2ip	Parp12	Pm20d2	Rab15
Mmgt1	Nhlrc1	Pcid2	Pold1	Rab3il1
Mmp14	Ninj2	Pcyt2	Polm	Radil
Mmp17	Ninl	Pdcd2	Polr1e	Rai2
Mmp2	Nmnat1	Pde1b	Pot1b	Ranbp3
Mmrn2	Npas2	Pde4b	Ppap2c	Rap1gap
Mms19	Npepl1	Pdim7	Ppfia4	Rap2c
Morc2b	Npl	Pdyn	Ppm1d	Rarb
Mpg	Npm3	Pelp1	Ppp1r10	Rarg
Mpp3	Nr1d1	Pepd	Ppp1r16a	Rasgef1a
Mpzl1	Nr1h2	Pex11a	Ppp1r7	Rasgef1b
Mras	Nr2e1	Pex14	Ppp1r9b	Rasgrp1
Mreg	Nrxn3	Pex26	Prkcz	Rasip1
Msi1	Ntn4	Pex3	Prkx	Rassf3
Msl3l2	Nudt16	Pex5	Prmt6	Rassf7
Mthfr	Nudt17	Pfas	Proz	Rbm28
Mthfsd	Numbl	Pfkip	Prr7	Rbm34
Mtmr11	Nupl2	Pgam2	Prrt2	Rbm5
Mtmr4	Nupr1	Pgbd5	Prss36	Rcor2
Mtmr7	Olfir545	Phf1	Prtn3	Rcor3
Mttp	Osbpl2	Pigb	Ptgs1	Recql
Mvp	Osgin2	Pigm	Ptk7	Reep6

Refbp2	Scarna6	Slc26a8	Snx11	Synpo
Relt	Scly	Slc27a4	Snx32	Syt12
Rg9mtd2	Scmh1	Slc29a2	Socs7	T2
Rg9mtd3	Scn4b	Slc2a5	Sorbs3	Tacc2
Rian	Scube1	Slc35d3	Sox1	Taf6
Ric8	Sdad1	Slc35f4	Sox10	Taf8
Rilpl1	Sdccag3	Slc37a2	Sp7	Tagap1
Rilpl2	Sdf4	Slc6a8	Spata2L	Tagln
Rin2	Sdr42e1	Slc7a8	Speg	Tap2
Rnf103	Sec61a1	Slc9a3r2	Spop	Tarbp2
Rnf112	Sema4a	Slk	Sptlc1	Tas1r1
Rnf135	Sema4b	Simap	Srgn	Tbc1d22a
Rnf165	Serinc4	Slx4	Srl	Tbce
Rnf169	Sertad3	Smarcd1	Srp72	Tbkbp1
Rnf216	Sertad4	Smug1	Srprb	Tcerg1
Rnf32	Setmar	Smyd5	Srxn1	Tcf3
Rom1	Sf1	Snora17	Ssbp2	Tcfe3
Rpap1	Sf3a1	Snora20	St3gal6	Tchh
Rprd1a	Sft2d3	Snora2b	St6galnac4	Tcn2
Rps6ka4	Sgsm3	Snora3	St6galnac5	Tekt2
Rras2	Sh2b1	Snora43	Stac2	Telo2
Rrnad1	Sh3gl1	Snora47	Stard5	Tesk1
Rtkn	Sin3b	Snora52	Stat2	Tex261
Rundc1	Sip1	Snora64	Stat6	Tgfb1
Rundc3b	Slc10a4	Snora69	Stk30	Tgif2
Rxrg	Slc11a1	Snord100	Stk36	Thap7
S100pbp	Slc12a4	Snord17	Strada	Thoc5
Safb2	Slc12a9	Snord49b	Stxbp2	Tifab
Sall3	Slc16a9	Snord69	Sulf1	Tigd3
Samd1	Slc1a4	Snord72	Supt7l	Tigit
Scarb1	Slc20a2	Snord82	Suz12	Tjp2
Scarf2	Slc22a12	Snord88c	Syng2	Tmc3

Tmeff1	Tspan15	Vstm2b	Zfp3
Tmem101	Tssk6	Vtn	Zfp341
Tmem109	Ttc39c	Vwa1	Zfp362
Tmem115	Ttl	Vwa3a	Zfp385b
Tmem136	Ttl11	Wdr3	Zfp408
Tmem158	Ttl5	Wdr34	Zfp444
Tmem170	Ttyh2	Wfdc1	Zfp445
Tmem175	Tubgcp2	Wipf1	Zfp498
Tmem198	Tuft1	Wtip	Zfp511
Tmem200b	Tulp3	X99384	Zfp560
Tmem229b	Txnrd3	Xkr8	Zfp574
Tmem43	Tyro3	Xkrx	Zfp599
Tmem5	Tyw1	Xpnpep1	Zfp618
Tmem53	U05342	Xrcc1	Zfp64
Tmem63b	Ubn1	Xrcc6	Zfp661
Tmem81	Ubox5	Xylt2	Zfp692
Tmem90b	Ubxn10	Yif1a	Zfp740
Tmf1	Umps	Yjefn3	Zfp748
Tmprss5	Unc45a	Ythdf2	Zfp787
Tmtc4	Unk	Yy1	Zfp810
Toe1	Upb1	Zbtb1	Zfp882
Top3b	Urod	Zbtb20	Zfp93
Tor2a	Usp36	Zbtb9	Zfp934
Traf4	Usp51	Zdhhc3	Zfp94
Trib3	Uvrag	Zdhhc7	Zfp945
Trim26	Vangl1	Zfp128	Zfp97
Trmt1	Vasp	Zfp146	Zfyve27
Trmt2a	Vim	Zfp157	Zmynd10
Trpc7	Vmac	Zfp180	Znrf2
Trpv2	Vps4b	Zfp202	Zscan18
Trub2	Vps52	Zfp212	Zyx
Tsku	Vps8	Zfp213	

**Sustained
decrease
cocaine &
withdrawal**

0610007C21Rik	1190007F08Rik	1700049G17Rik	2010305A19Rik	2500003M10Rik
0610007L01Rik	1300014I06Rik	1700052K11Rik	2010320M18Rik	2510006D16Rik
0610007P14Rik	1500003O03Rik	1700052N19Rik	2010321M09Rik	2610002I17Rik
0610009E02Rik	1500009C09Rik	1700058G18Rik	2210013O21Rik	2610015P09Rik
0610009L18Rik	1500009L16Rik	1700060J05Rik	2210016F16Rik	2610017I09Rik
0610010F05Rik	1500011B03Rik	1700066M21Rik	2210016L21Rik	2610019F03Rik
0610010K14Rik	1500011H22Rik	1700091E21Rik	2210020M01Rik	2610027L16Rik
0610010O12Rik	1500011K16Rik	1700096K18Rik	2210403K04Rik	2610029I01Rik
0610037P05Rik	1500012F01Rik	1700106N22Rik	2210404J11Rik	2610035D17Rik
0910001L09Rik	1500016L03Rik	1700113A16Rik	2210404O07Rik	2610044O15Rik
1110001A16Rik	1500017E21Rik	1700123L14Rik	2310001A20Rik	2610203C22Rik
1110003E01Rik	1500031L02Rik	1700123O20Rik	2310003F16Rik	2610306M01Rik
1110003O08Rik	1600002K03Rik	1700128F08Rik	2310004N24Rik	2610528B01Rik
1110004E09Rik	1600012H06Rik	1810006K21Rik	2310009B15Rik	2700023E23Rik
1110004F10Rik	1700001L19Rik	1810008A18Rik	2310011J03Rik	2700029M09Rik
1110005A03Rik	1700001O22Rik	1810013L24Rik	2310022A10Rik	2700046G09Rik
1110018N20Rik	1700001P01Rik	1810014B01Rik	2310033P09Rik	2700060E02Rik
1110021L09Rik	1700003E16Rik	1810022K09Rik	2310036O22Rik	2700073G19Rik
1110032A03Rik	1700003M02Rik	1810026B05Rik	2310039H08Rik	2810008D09Rik
1110034B05Rik	1700007K13Rik	1810026J23Rik	2310044H10Rik	2810008M24Rik
1110038F14Rik	1700008O03Rik	1810030N24Rik	2310045N01Rik	2810025M15Rik
1110049F12Rik	1700009P17Rik	1810037I17Rik	2310047B19Rik	2810032G03Rik
1110051M20Rik	1700011J10Rik	1810055G02Rik	2310050B05Rik	2810405F15Rik
1110054M08Rik	1700012B09Rik	1810059H22Rik	2310061C15Rik	2810405K02Rik
1110059E24Rik	1700019D03Rik	1810063B07Rik	2400003C14Rik	2810422J05Rik
1110065P20Rik	1700019E19Rik	2010001M06Rik	2410001C21Rik	2810425M01Rik
1110067D22Rik	1700022I11Rik	2010002M12Rik	2410002O22Rik	2810432D09Rik
1190002H23Rik	1700025K23Rik	2010003O02Rik	2410004B18Rik	2900002K06Rik
1190005I06Rik	1700027A23Rik	2010007H12Rik	2410004P03Rik	2900010J23Rik
	1700029I15Rik	2010011I20Rik	2410022L05Rik	2900011O08Rik
	1700029J07Rik	2010107G23Rik	2410042D21Rik	2900053A13Rik
	1700047A11Rik	2010204K13Rik	2410076I21Rik	3110001D03Rik

3110001I22Rik	4933421E11Rik	9530059O14Rik	Acp1	AK010878
3110003A17Rik	4933433P14Rik	9530077C05Rik	Acpt	Akap17b
3110035E14Rik	5031426D15Rik	9530082P21Rik	Actr1a	Akirin2
3110043A19Rik	5033430I15Rik	9830144P21Rik	Actr2	Akr1a4
3110043O21Rik	5133401N09Rik	9930021D14Rik	Actr3b	Akt1
3632451O06Rik	5430416N02Rik	9930104L06Rik	Actr8	Akt1s1
4732415M23Rik	5430417L22Rik	A030003K02Rik	Acy1	Aldoart1
4732487G21Rik	5530601H04Rik	A230087F16Rik	Adcyap1	Alg1
4732491K20Rik	5730403B10Rik	A2ld1	Adipor1	Alg3
4831440E17Rik	5730409E04Rik	A430005L14Rik	Adprh	Alg8
4921523A10Rik	5730437N04Rik	A430108G06Rik	Adss	Alkbh2
4921524J17Rik	5730455O13Rik	A530040E14Rik	Adssl1	Alkbh4
4930404I05Rik	5730494M16Rik	A530058N18Rik	Aen	Amd1
4930404N11Rik	5730508B09Rik	A530064D06Rik	Aftph	Amd2
4930405A21Rik	5730577I03Rik	A630089N07Rik	Agbl3	Ammecr1
4930412F15Rik	5830415F09Rik	A730017C20Rik	Agfg2	Anapc11
4930420K17Rik	5830427D03Rik	A830039N20Rik	Agpat6	Anapc13
4930429F24Rik	5930416I19Rik	A930005H10Rik	Ahsa1	Anapc2
4930444A02Rik	6030408B16Rik	A930013F10Rik	AI118078	Ang
4930452B06Rik	6030446N20Rik	A930029G22Rik	AI314976	Angptl6
4930453N24Rik	6430573F11Rik	AA465934	AI316807	Ankdd1b
4930455F23Rik	6720456B07Rik	Aamp	AI413582	Ankmy2
4930506C21Rik	6820408C15Rik	Aarsd1	AI414108	Ankrd27
4930511M06Rik	8430410K20Rik	Aasdhppt	AI462493	Ankrd32
4930518I15Rik	8430429K09Rik	Aatf	AI467606	Ankrd37
4930538E20Rik	9030407P20Rik	Abcf3	AI606181	Ankrd40
4930550G17Rik	9030425E11Rik	Abhd3	AI836003	Ankrd54
4930579G24Rik	9030625A04Rik	Abi3	AI846148	Ano10
4931408A02Rik	9130011J15Rik	Acd	AI854517	Ano2
4931414P19Rik	9130020K20Rik	Acin1	Aif1	Anp32a
4933407L21Rik	9230110C19Rik	Acnat1	Aimp1	Anp32b
4933408J17Rik	9430023L20Rik	Acot7	Aip	Anxa5

Anxa6	Arl4d	Atl2	B3galtl	BC028801
Anxa7	Arl6	Atox1	B3gat3	BC029722
Ap1ar	Arl6ip1	Atp1a2	B3gnt1	BC031181
Ap1s1	Arl6ip4	Atp1b1	B3gnt2	BC031781
Ap1s3	Arl6ip5	Atp2b1	B3gnt8	BC055324
Ap2s1	Arl6ip6	Atp6ap1	B4galt2	BC056474
Ap3s1	Arl8a	Atp6ap1l	B4galt3	Bcap31
Ap3s2	Armcx6	Atp6v0b	B4galt7	Bcas2
Ap4s1	Arpc1a	Atp6v0c	B630005N14Rik	Bccip
Apbb1	Arpc3	Atp6v0d1	B930041F14Rik	Bcl10
Apbb3	Arpc4	Atp6v0e	B9d2	Bcl7b
Aph1a	Arpc5	Atp6v0e2	Baalc	Bcl7c
Apip	Arpc5l	Atp6v1b2	Bag3	Bco2
Apln	Arpp19	Atp6v1c1	Baiap2	Bdnf
Apoa2	Arrdc2	Atp6v1d	Banf1	Bean1
Apobr	Arxes1	Atp6v1f	Barx2	Becn1
Apoc1	Arxes2	Atp6v1g1	Basp1	Bet1
Apoe	Asb16	Atp6v1g2	BB218582	Bet1l
Apoo	Ascc1	Atp6v1h	Bbip1	Bex1
Arc	Ascl4	Atpbd4	BC002059	Bex2
Arf1	Asf1a	Atxn10	BC002230	Bex4
Arf5	Ash2l	Atxn7l2	BC003266	Bfsp2
Arfgap1	Asna1	Atxn7l3b	BC003331	Bin1
Arhgap10	Asrgl1	Aup1	BC003965	Bin3
Arhgap44	Atf4	Aven	BC004004	Birc3
Arhgdib	Atf5	Avp	BC005561	Blmh
Arhgdig	Atg10	Avpi1	BC005624	Bloc1s2
Arhgef25	Atg12	B230118H07Rik	BC013529	Bms1
Arid4a	Atg16l1	B230206F22Rik	BC016495	Bmyc
Arl1	Atg5	B230206L02Rik	BC017643	Bnip1
Arl3	Atg9b	B230340J04Rik	BC019943	Bod1
Arl4a	Atl1	B3galnt2	BC023202	Bola2

Bola3	C1qc	Capza2	Ccdc53	Cd59a
Bpgm	C1qtnf5	Capzb	Ccdc55	Cd63
Brd2	C2	Car2	Ccdc65	Cd72
Brd3	C230029F24Rik	Cars	Ccdc72	Cd81
Brd7	C230052I12Rik	Casc3	Ccdc74a	Cd82
Brdt	C330006A16Rik	Casp8ap2	Ccdc86	Cd9
Bre	C330007P06Rik	Cbln2	Ccdc9	Cdadc1
Bri3	C330021F23Rik	Cbr1	Ccdc94	Cdc123
Brix1	C530005A16Rik	Cbs	Cck	Cdc14b
Brms1	C630004H02Rik	Cbwd1	Ccl21a	Cdc34
Brms1l	C80913	Cbx3	Ccl25	Cdc37
Brpf1	C8g	Cby1	Ccna2	Cdc42
Bscl2	Cab39l	Ccar1	Ccnd2	Cdc42ep2
Btbd1	Cabp1	Ccdc107	Ccnadbp1	Cdc42ep3
Btbd16	Cacng2	Ccdc109b	Ccnh	Cdc42ep4
Btbd6	Cacng3	Ccdc112	Ccni	Cdc42se2
Btd	Cacng5	Ccdc113	Ccnk	Cdc5l
Btf3	Cacybp	Ccdc115	Ccnl2	Cdipt
Btf3l4	Cadm4	Ccdc12	Ccs	Cdk10
Btg1	Calb2	Ccdc124	Cct2	Cdk11b
Btg3	Cald1	Ccdc13	Cct3	Cdk2ap1
Bub3	Calm1	Ccdc132	Cct4	Cdk4
Bud31	Calm2	Ccdc138	Cct5	Cdk5
Bysl	Calm3	Ccdc153	Cct6a	Cdk5r2
Bzw2	Calr	Ccdc21	Cd2bp2	Cdk5rap3
C030034I22Rik	Caly	Ccdc22	Cd300lg	Cdk9
C030044B11Rik	Camk2g	Ccdc25	Cd302	Cdkl2
C030046I01Rik	Camk2n1	Ccdc28a	Cd320	Cdkn2d
C130022K22Rik	Camk2n2	Ccdc28b	Cd37	Cdo1
C130074G19Rik	Cap1	Ccdc36	Cd3eap	Cebpg
C1galt1c1	Capns1	Ccdc38	Cd47	Celf2
C1qa	Caps2	Ccdc47	Cd52	Cend1

Cenpa	Churc1	Cnih2	Cort	Cstf2t
Cenpc1	Ciao1	Cnih4	Cotl1	Cstf3
Cenpo	Ciabin1	Cnn3	Cox19	Ctage5
Cenpv	Cib2	Cnot3	Cpa6	Ctbp1
Cep57	Cideb	Cnot4	Cpe	Ctdspl
Ces2b	Cir1	Cnot7	Cpne9	Ctgf
Ces2f	Cirbp	Cnpy2	Cpsf2	Cthrc1
Cetn2	Cited1	Cnpy3	Cpsf7	Ctla2a
Cetn3	Cited4	Cobra1	Cpxm1	Ctnnb1
Cetn4	Cldn26	Coch	Crabp1	Ctnnd1
Cfdp1	Clec2l	Coil	Cradd	Ctsf
Cfl1	Clec3b	Col9a2	Crb2	Ctsh
Cfl2	Clic1	Col9a3	Creld1	Ctsl
Cgref1	Clint1	Commd1	Crhbp	Ctss
Chac1	Clip4	Commd10	Crip1	Ctsz
Chac2	Clk1	Commd2	Crip2	Ctnn
Chaf1a	Clk3	Commd3	Cript	Ctxn1
Chchd6	Clk4	Commd5	Crif2	Ctxn2
Chga	Clp1	Commd6	Crmp1	Cuedc2
Chgb	Clptm1l	Commd7	Crtac1	Cul2
Chka	Clstn3	Commd8	Cryba4	Cul4a
Chmp1a	Clta	Commd9	Csdc2	Cuta
Chmp2a	Cltb	Cope	Csgalnact2	Cutc
Chmp4b	Cluap1	Cops3	Csnk1e	Cwc15
Chmp5	Cmas	Cops4	Csnk1g2	Cwc27
Chmp6	Cmb1	Cops6	Csnk2a1	Cwf19l2
Chn1	Cmpk1	Cops7a	Csnk2a2	Cxcl14
Chrac1	Cmtm3	Cops7b	Csnk2b	Cxcl16
Chst12	Cmtm5	Cops8	Csrnp1	Cxx1a
Chst5	Cmtm7	Copz1	Csrp1	Cxx1b
Chsy1	Cnbp	Coq10a	Cst3	Cxx1c
Chtf18	Cnih	Coro1a	Cstb	Cyb5d2

Cyb5r4	Dapp1	Ddx47	Dnaja1	Dpm3
Cyb5rl	Darc	Ddx5	Dnaja2	Dpp7
Cybasc3	Dars	Ddx55	Dnaja4	Drap1
Cygb	Dazap2	Ddx59	Dnajib1	Drg1
Cyp2j6	Dbnidd2	Deb1	Dnajib11	Dtd1
Cyp46a1	Dbnl	Decr2	Dnajib2	Dtnb
Cyp4f15	Dbp	Def6	Dnajib4	Dtnbp1
Cyp4x1	Dbx2	Degs2	Dnajc12	Dtwd1
Cyp51	Dcaf12	Denr	Dnajc2	Dusp1
Cyth2	Dcaf13	Der12	Dnajc21	Dusp12
D030055H07Rik	Dcaf4	Der13	Dnajc7	Dusp14
D030056L22Rik	Dcaf6	Dexi	Dnajc8	Dync1i2
D10Wsu52e	Dcp1b	Dgcr6	Dnajc9	Dync2li1
D11Wsu99e	Dctn3	Dhps	Dnalc4	Dynll2
D14Ert449e	Dctn5	Dhrs13	Dnali1	Dynlrb1
D17Wsu104e	Dctpp1	Dhrs3	Dnd1	Dynlt1e
D17Wsu92e	Dcun1d3	Dhrs7	Dnm3os	Dynlt1f
D230025D16Rik	Dcun1d5	Dhx15	Dnpep	Dynlt3
D2Wsu81e	Ddb1	Dhx16	Dnttip1	E130306D19Rik
D330041H03Rik	Ddb2	Dhx40	Dnttip2	E130309D02Rik
D4Wsu53e	Ddc	Dio2	Dohh	E130311K13Rik
D630023F18Rik	Ddhd2	Dirc2	Dok1	E230015B07Rik
D630028G08Rik	Ddost	Dkc1	Dok3	E2f4
D830025C05Rik	Ddrgk1	Dlx1	Dok5	E530001K10Rik
D830030K20Rik	Ddt	Dlx1as	Donson	Eapp
D8Ert4738e	Ddx10	Dlx6	Dpcd	Ebna1bp2
D930016D06Rik	Ddx18	Dlx6as	Dpf2	Ebpl
Dact3	Ddx23	Dmkn	Dph2	Ecd
Dad1	Ddx24	Dmrtc1a	Dph3	Echdc1
Daglb	Ddx25	Dmwd	Dph5	Ecscr
Dalrd3	Ddx39b	Dnaic1	Dpm1	Edc3
Dapk3	Ddx42	Dnaic2	Dpm2	Edf1

Eef1a1	Eif3b	Emx2	Ezr	Fam195b
Eef1a2	Eif3c	Enho	F8a	Fam19a4
Eef1b2	Eif3d	Eno1	Faah	Fam19a5
Eef1d	Eif3e	Eno2	Fads2	Fam3c
Eef1e1	Eif3f	Enoph1	Fads3	Fam43a
Eef1g	Eif3g	Ensa	Fah	Fam54b
Efcab2	Eif3h	Entpd6	Fam101b	Fam57b
Efemp2	Eif3i	Eny2	Fam103a1	Fam69a
Efha2	Eif3j	Epb4.1l2	Fam105a	Fam76a
Efhd2	Eif3k	Epb4.9	Fam108a	Fam76b
Efna3	Eif3m	Epdr1	Fam108b	Fam78a
Egfem1	Eif4a1	Eprs	Fam110a	Fam81a
Eglf7	Eif4a2	Ercc1	Fam113b	Fam86
Eglf8	Eif4a3	Ergic3	Fam114a2	Fam89b
Egln2	Eif4b	Erh	Fam117a	Fam96a
Egr1	Eif4e	Eri1	Fam118b	Fam96b
Egr4	Eif4e2	Eri3	Fam122a	Fam98b
Ei24	Eif4h	Ermap	Fam122b	Farp2
Eid1	Eif5a	Erp29	Fam126a	Farsb
Eid2	Eif5b	Esco1	Fam129c	Fbl
Eif1	Eif6	Esd	Fam133b	Fbxl22
Eif1a	Elavl3	Esf1	Fam158a	Fbxl4
Eif1ad	Elmod1	Etnk2	Fam163b	Fbxl6
Eif2a	Elmod3	Etohd2	Fam165b	Fbxo2
Eif2ak1	Elov1	Evl	Fam166a	Fbxo22
Eif2b1	Elp2	Exosc1	Fam166b	Fbxo25
Eif2b2	Elp3	Exosc5	Fam173a	Fbxo4
Eif2b4	Emd	Exosc6	Fam174b	Fbxo44
Eif2b5	Eme1	Exosc7	Fam181a	Fbxw2
Eif2s2	Emg1	Ext1	Fam181b	Fbxw4
Eif2s3y	Eml1	Extl2	Fam188a	Fbxw7
Eif3a	Eml2	Ezh1	Fam192a	Fcf1

Fchsd1	Ftsj1	Gdap111	Gm10220	Gm12264
Fdft1	Ftsj3	Gdap2	Gm10337	Gm12355
Fer	Fuca1	Gde1	Gm10397	Gm12720
Fez2	Fundc1	Gdf1	Gm10401	Gm12744
Fgd4	Fundc2	Gdi1	Gm10406	Gm12802
Fgf9	Fut8	Gdpd1	Gm10558	Gm12835
Fhad1	Fxr2	Gemin7	Gm10660	Gm12841
Fibp	Fxyd1	Gemin8	Gm10699	Gm12908
Fkbp1a	Fxyd2	Get4	Gm10762	Gm12925
Fkbp2	Fxyd3	Gfap	Gm11100	Gm12942
Fkbp3	Fxyd6	Gfod2	Gm11160	Gm12953
Fkbp5	G0s2	Gfpt2	Gm11175	Gm12965
Fkbp9	G530011O06Rik	Gfra4	Gm11266	Gm12992
Flot1	Gabarap	Ggct	Gm11273	Gm12999
Flot2	Gabarapl1	Ggh	Gm11345	Gm13068
Flrt3	Gabarapl2	Ggnbp2	Gm11457	Gm13530
Flywch1	Gabrg2	Ghdc	Gm11491	Gm13540
Flywch2	Gadd45b	Gins3	Gm11537	Gm13558
Fmr1	Gadd45g	Gins4	Gm11574	Gm13589
Fn3k	Gale	Gjb1	Gm11627	Gm13625
Fn3krp	Galk2	Gjb6	Gm11636	Gm13634
Fndc4	Galns	Gla	Gm11714	Gm13645
Fndc5	Galnt12	Glipr1	Gm11772	Gm13704
Fndc8	Gamt	Glmn	Gm11808	Gm13789
Fnta	Gap43	Glo1	Gm11818	Gm13977
Fntb	Gar1	Glrx3	Gm11837	Gm14004
Fos	Gart	Gltpd1	Gm11842	Gm14226
Fosb	Gas2	Gltsr2	Gm11944	Gm14305
Foxo4	Gas2l2	Gm10069	Gm12027	Gm14597
Foxp3	Gas5	Gm10125	Gm12033	Gm14703
Fstl1	Gatad1	Gm10143	Gm12060	Gm14827
Ftl1	Gba	Gm10177	Gm12195	Gm14872

Gm15265	Gm16096	Gm5065	Gna15	Grhpr
Gm15344	Gm16099	Gm5136	Gnai2	Grin3b
Gm15461	Gm16161	Gm5148	Gnl1	Grina
Gm15492	Gm16235	Gm5151	Gnl2	Grinl1a
Gm15514	Gm16286	Gm52	Gnl3	Gripap1
Gm15601	Gm16378	Gm5506	Gnpda2	Grtp1
Gm15612	Gm16517	Gm5595	Gnptg	Gsta3
Gm15642	Gm16532	Gm5617	Gnrh1	Gstm1
Gm15648	Gm16534	Gm5887	Golga4	Gstm3
Gm15717	Gm16536	Gm6251	Golga7b	Gstm5
Gm15718	Gm16586	Gm6537	Gorasp2	Gstm6
Gm15756	Gm166	Gm6813	Got1	Gstm7
Gm15809	Gm16606	Gm6900	Gp1bb	Gsto1
Gm15825	Gm16723	Gm8394	Gpatch4	Gstp1
Gm15829	Gm16728	Gm867	Gppb111	Gstp2
Gm15830	Gm1673	Gm88	Gpc3	Gt(ROSA)26Sor
Gm15832	Gm16740	Gm9104	Gpi1	Gtdc1
Gm15884	Gm16755	Gm9396	Gpn1	Gtf2b
Gm15887	Gm16765	Gm9746	Gpn2	Gtf2f1
Gm15903	Gm16832	Gm9750	Gpr137	Gtf2h3
Gm15912	Gm16894	Gm9752	Gpr151	Gtf2h5
Gm15944	Gm16984	Gm9780	Gpr19	Gtf2i
Gm15952	Gm2000	Gm9828	Gpr3	Gtf3a
Gm15954	Gm2245	Gm9839	Gpr3711	Gtf3c5
Gm15956	Gm2415	Gm9851	Gpr61	Gtf3c6
Gm15962	Gm2464	Gm9885	Gpr62	Gtl3
Gm15964	Gm266	Gm9934	Gps1	Guk1
Gm16024	Gm3693	Gm9996	Gpt	Gulp1
Gm1604A	Gm3696	Gmcl1	Gramd3	H2-D1
Gm16052	Gm4117	Gmnn	Grb14	H2-DMa
Gm16062	Gm4535	Gmpr	Grb2	H2-Ke2
Gm16069	Gm4694	Gna11	Grccl0	H2-Q1

H2-Q6	Hexim1	Hnrnpc	Hsph1	Ilk
H2-T22	Hey1	Hnrnpd	Htatsf1	Ilvbl
H2-T9	Heyl	Hnrnpf	Htr3a	Imp3
H2afj	Hgs	Hnrnph1	Htra1	Impa1
H2afv	Hhatl	Hnrnph2	Htra3	Impdh2
H2afy	Hint1	Hnrnph3	Hyal3	Inadl
H2afz	Hirip3	Hnrnpk	Hyi	Ing2
H3f3a	Hist1h2ab	Hnrnpl	Hyls1	Ino80e
H3f3b	Hist1h2bj	Hnrnpm	Ica1	Inpp5a
Habp4	Hist1h2bk	Hnrnpr	Ica1l	Ints5
Hap1	Hist1h2bl	Hnrpll	Icam1	Ip6k2
Hars	Hist1h4a	Homer3	Id3	Ipo11
Hat1	Hist3h2ba	Hook2	Ier3	Ipo4
Haus1	Hmg1l1	Hopx	Ier3ip1	Iqcd
Haus5	Hmga1	Hp1bp3	Ier5	Iqcg
Haus7	Hmgb1	Hpgd	Ier5l	Iqck
Haus8	Hmgb2	Hprt	Iffo2	Irak2
Hbegf	Hmgb3	Hras1	Ifng2	Irf2bp1
Hbs1l	Hmgn1	Hrasls	Ifrd1	Irf3
Hbxip	Hmgn2	Hrh1	Ift27	Irf5
Hcfc1r1	Hmgn3	Hrh3	Ift46	Irf9
Hcrt	Hmgn5	Hs3st4	Ift74	Isl1
Hdac11	Hmox2	Hsbp1	Igbp1	Ily1
Hdac2	Hn1	Hsd11b1	Igfbp3	Iltfg2
Hdac3	Hnf1a	Hsd17b11	Igfbp4	Iltfg3
Hdac5	Hnf1b	Hsf4	Igfbp6	Iltga2b
Hdgf	Hnmt	Hsp90aa1	Igsf5	Iltgb1bp1
Hdhd2	Hnrnpa0	Hsp90b1	Ik	Iltm2b
Heat3	Hnrnpa1	Hspa4	Ikbip	Iltm2c
Herpud1	Hnrnpa2b1	Hspb11	Ii34	Jagn1
Hes5	Hnrnpa3	Hspb8	Ii5ra	Jam3
Hexa	Hnrnpab	Hspbp1	Ilf2	Jdp2

Jkamp	Kif3a	Larp6	Lrrc51	Magoh
Jmjd6	Kifc3	Larp7	Lrrc6	Magohb
Josd1	Klc1	Lbh	Lrrc61	Malat1
Jun	Klf10	Lcat	Lrrfip1	Mamdc4
Junb	Klf11	Lcmt1	Lrrfip2	Maml1
Jund	Klf6	Ldb1	Lsm1	Manbal
Kat5	Klf9	Lenep	Lsm10	Manf
Kcmf1	Klhdc3	Leng9	Lsm14b	Map1lc3a
Kcnab1	Klhdc4	Lepr	Lsm2	Map1lc3b
Kcnab2	Klhdc8a	Leprel4	Lsm3	Map2k1
Kcnab3	Klhdc8b	Lgals3bp	Lsm4	Map3k12
Kcnip1	Klhdc9	Lgi1	Lsm7	Mapkapk2
Kcnip4	Klhl10	Lgi4	Lsmd1	Mapre3
Kcnj9	Klhl21	Lhx5	Lta4h	Mapt
Kcnk1	Klhl8	Limd2	Luc7l3	March11
Kcnk2	Klraq1	Lin52	Ly6e	March2
Kcnmb4	Kpna2	Lin7b	Ly6h	March9
Kcnu1	Krcc1	Llph	Lyar	Marcksl1
Kctd12b	Krr1	Lmna	Lyl1	Mark3
Kctd13	Krt1	Lmnb1	Lypd6b	Mb
Kctd14	Krt10	Lmo3	Lypla2	Mbd3
Kctd5	Krt222	Lmo4	Lyplal1	Mblac1
Kctd6	Kti12	Lonrf1	Lysmd2	Mblac2
Kctd9	Ktn1	Lpcat4	Lzts2	Mbp
Kdelr1	L3mbtl2	Lrch2	M6pr	Mbtd1
Kdelr2	Lage3	Lrrc23	Mad2l1	Mcart6
Kdm4a	Lamp1	Lrrc40	Mad2l1bp	Mcf2
Kdsr	Lamtor2	Lrrc41	Mad2l2	Mcfd2
Khdrbs2	Lamtor3	Lrrc42	Maea	Mcm5
Khdrbs3	Laptm4a	Lrrc47	Maf	Mcm6
Khk	Laptm4b	Lrrc49	Maged2	Mcts1
Kif20a	Larp1	Lrrc50	Mageh1	Mcts2

Mdk	Mgat2	Mlc1	Mt2	Nanos3
Mdm1	Mgat4b	Mlf2	Mt3	Nans
Mdm2	Mgst3	Mlit11	Mta1	Nap111
Mdp1	Mia1	Mlph	Mtap4	Nap113
Mea1	Midn	Mmd2	Mtap7d2	Nap114
Med10	Mif	Mmp19	Mterfd2	Napa
Med21	Mios	Mmp24	Mthfd2l	Narfl
Med28	Mir1191	Mns1	Muc6	Nat14
Med29	Mir1224	Moap1	Muted	Nat8
Med30	Mir132	Mobkl2c	Mvd	Ncbp2
Med4	Mir1892	Mobkl3	Mvk	Ncdn
Men1	Mir1898	Mocs2	Mxd4	Ncf1
Mepce	Mir207	Mog	Mybph	Ncf2
Mesdc2	Mir21	Mogat1	Mycbp	Ncf4
Metap2	Mir2145-2	Morf4l1	Mycl1	Nck1
Metrn	Mir29b-2	Morf4l2	Mycn	Ncl
Mettl1	Mir3091	Morn4	Myeov2	Ndfip1
Mettl10	Mir3099	Morn5	Myl6	Ndn
Mettl2	Mir383	Mospd1	Myl6b	Ndnl2
Mettl21d	Mir670	Mospd3	Mylpf	Ndrp3
Mettl22	Mir671	Moxd1	Myst1	Ndufa4l2
Mettl3	Mir677	Mphosph6	Mzt1	Necab2
Mettl5	Mir678	Mphosph8	Mzt2	Necab3
Mettl9	Mir686	Mpnd	n-R5s185	Necap1
Mex3a	Mir703	Mpp6	N6amt2	Nedd8
Mfap1a	Mir704	Mpped2	Naa10	Nefl
Mfap1b	Mir707	Mrap2	Naa15	Neil2
Mfge8	Mirlet7c-1	Mrfap1	Naa35	Nek2
Mfsd1	Mis12	Mro	Naa38	Nek4
Mfsd5	Mitd1	Mrpl23-ps1	Naaa	Nek7
Mfsd8	Mki67ip	Msl1	Naca	Nell1
Mgat1	Mkks	Mt1	Nae1	Nell2

Nemf	Nom1	Nsfl1c	Oaz1	Paip1
Nenf	Nono	Nsg1	Obfc2b	Paip2
Neu1	Nop10	Nsg2	Odc1	Pak1
Nexn	Nop14	Nsmce4a	Odf2l	Pan3
Nfe2l1	Nop16	Nsun2	Ogfrl1	Paqr4
Nfe2l2	Nop2	Nsun4	Olfm1	Pard6a
Nfil3	Nop56	Nsun5	Olfml2b	Pax6
Nfkb2	Nop58	Nsun6	Olfr1392	Pbxip1
Nfkbia	Nova1	Nt5c3l	Olfr613	Pcbd1
Nfxl1	Nox1	Nt5e	Orai3	Pcbp1
Nfyc	Npb	Ntan1	Orc5	Pcbp2
Ng23	Npc2	Ntm	ORF61	Pcgf2
Ngb	Npcd	Ntrk1	Ormdl2	Pcmt1
Ngdn	Npdc1	Nts	Ormdl3	Pcna
Ngf	Npepps	Nub1	Os9	Pcnp
Ngfrap1	Npnt	Nubp2	Osbp1a	Pcp4
Ngrn	Nprl2	Nucks1	Oscp1	Pcp4l1
Nhej1	Nptn	Nudc	Ost4	Pcsk1n
Nipa2	Npy	Nudcd2	Ostc	Pdap1
Nkain1	Nqo1	Nudt1	Ostf1	Pdcd10
Nkain4	Nr1i3	Nudt16l1	Ostm1	Pdcd4
Nkapl	Nr2c2ap	Nudt18	Otub1	Pdcd5
Nkiras2	Nr4a1	Nudt3	Otud1	Pdcd6
Nkx2-1	Nr4a3	Nudt5	Otx2	Pdcl3
Nkx6-2	Nrarp	Nup107	Ovgp1	Pddc1
Nme7	Nrbp1	Nup37	Oxt	Pdgfa
Nmi	Nrgn	Nup62	P4ha2	Pdia5
Nmral1	Nrip3	Nus1	P4hb	Pdlim2
Nmt1	Nrm	Nxn	Pabpc1	Pdlim4
Nnat	Nrsn1	Nxph3	Pabpc4	Pdpn
Nog	Nrsn2	Nxt1	Pabpn1	Pdxdc1
Nol10	Nsa2	Nxt2	Paf1	Pdpx

Pdzd11	Phf7	Plekhhb1	Polr2c	Ppp1r3c
Pdzd4	Phgdh	Plekhj1	Polr2d	Ppp1r3f
Pdzd9	Phpt1	Plekho1	Polr2e	Ppp1r3g
Pdzrn4	Phxr4	Plin2	Polr2g	Ppp1r8
Pef1	Phyhip	Plk1s1	Polr2h	Ppp2ca
Pelo	Pi15	Plip	Polr2i	Ppp2cb
Penk	Pi16	Plod2	Polr2j	Ppp2r1a
Per1	Pi4k2a	Plp1	Polr2k	Ppp2r2a
Pes1	Pias1	Plp2	Polr2l	Ppp2r2d
Pfdn1	Pias2	Pls3	Polr3b	Ppp2r4
Pfdn2	Pigf	Pmch	Pomp	Ppp2r5b
Pfdn4	Pigp	Pmepa1	Pop1	Ppp2r5c
Pfdn5	Pigs	Pmm1	Pop5	Ppp2r5d
Pfkl	Pigu	Pmvk	Pou2f2	Ppp3cb
Pfkm	Pigyl	Pnck	Ppa1	Ppp3cc
Pfn1	Pih1d1	Pnkp	Ppap2a	Ppp3r1
Pfn4	Pik3c3	Pnma5	Ppdf	Ppp4c
Pgam1	Pik3ca	Pnn	Ppef2	Ppp4r1
Pgap3	Pilra	Pnp2	Ppia	Ppp5c
Pgcp	Pim1	Pnpo	Ppib	Ppt1
Pgd	Pin1	Pnrc1	Ppie	Ppwd1
Pgk1	Pip4k2a	Pnrc2	Ppig	Pqbp1
Pgpep1	Pip5k1b	Poc1a	Ppil3	Pqlc1
Pgpep1l	Pitpna	Pofut2	Ppil4	Praf2
Pgrmc1	Pja1	Pold4	Ppm1g	Prcc
Pgrmc2	Pla2g12a	Poldip3	Ppp1ca	Prep
Phax	Pla2g16	Pole3	Ppp1r11	Prickle4
Phc2	Pla2g7	Pole4	Ppp1r12c	Prim2
Phf14	Plac9	Polh	Ppp1r14b	Prkag1
Phf20	Plau	Polk	Ppp1r15a	Prkar1b
Phf23	Plcb2	Polr1c	Ppp1r1a	Prkrip1
Phf5a	Plekha2	Polr1d	Ppp1r2	Prmt1

Prnp	Psmd1	Pvrl1	Rabl5	Rbfox1
Prpf19	Psmd10	Pwwp2a	Rac1	Rbfox3
Prpf3	Psmd11	Pxmp3	Rac3	Rbm17
Prpf31	Psmd12	Pycr2	Rad1	Rbm18
Prpf38b	Psmd13	Pygo2	Rad18	Rbm24
Prpf39	Psmd14	Qpct	Rad23a	Rbm25
Prpf40b	Psmd2	Qpctl	Rad50	Rbm42
Prpsap1	Psmd3	Qsox1	Rad54l	Rbm43
Prpsap2	Psmd4	R3hcc1	Rad9	Rbm4b
Prr24	Psmd6	R3hdm2	Rad9b	Rbm6
Prr3	Psmd7	Rab12	Rae1	Rbm7
Prss23	Psmd8	Rab13	Rai12	Rbm8a
Psat1	Psmd9	Rab14	Ralb	Rbmx2
Psenen	Psme1	Rab21	Ralbp1	Rbmxrt
Psg16	Psme2	Rab26	Ralgps2	Rbp1
Psip1	Psme3	Rab2b	Raly1	Rbx1
Psm1	Psmg2	Rab31	Ramp1	Rcan1
Psm14	Psmg3	Rab33a	Ramp2	Rcc1
Psm15	Pspc1	Rab34	Ran	Rchy1
Psm17	Ptges3	Rab3a	Ranbp1	Rcn1
Psm18	Ptgis	Rab3b	Rangap1	Rdh12
Psm19	Ptma	Rab3ip	Rangr	Rdh5
Psm20	Ptms	Rab4a	Rap1b	Rdm1
Psm21	Ptn	Rab5a	Rarres2	Rec8
Psm22	Ptov1	Rab5c	Rasgrp4	Reep2
Psm23	Ptp4a2	Rab7	Rasl10a	Reep4
Psm24	Ptpn2	Rab8a	Rasl11a	Reep5
Psm25	Ptpn3	Rabac1	Rassf1	Renbp
Psm26	Puf60	Rabgef1	Raver1	Repin1
Psm27	Pus3	Rabggta	Rbbp4	Resp18
Psm28	Pus7	Rabggtb	Rbbp6	Rest
Psm29	Pvalb	Rabl3	Rbbp7	Rev1

Rexo4	Rnf149	Rpl14	Rsl1d1	Sat1
Rfc1	Rnf168	Rpl15	Rsl24d1	Satb1
Rfc4	Rnf170	Rpl21	Rsph9	Sav1
Rfc5	Rnf180	Rpl23a	Rsrc2	Sbds
Rhbdd3	Rnf181	Rpl27	Rtf1	Sbsn
Rhcg	Rnf187	Rpl28	Rtl1	Sc4mol
Rheb	Rnf2	Rpl30	Rtn1	Scamp3
Rhox8	Rnf208	Rpl31	Rtn4	Scamp5
Riiad1	Rnf215	Rpl35	Rtn4r	Scand1
Rimklb	Rnf220	Rpl36a	Rtn4r12	Scarna17
Riok2	Rnf25	Rpl36al	Rufy1	Scg2
Rit1	Rnf34	Rpl37a	Rufy3	Scg3
Rit2	Rnf43	Rpl41	Rundc3a	Scg5
Rlbp1	Rnf6	Rpn1	Runx1t1	Schip1
Rltpr	Rnf7	Rpn2	Ruvbl1	Scn1b
Rmrp	Rnh1	Rpp14	Ruvbl2	Scn2b
Rnase4	Rnpep	Rpp21	Rwdd1	Scnm1
Rnaseh2a	Rnps1	Rpp25	Ryk	Scoc
Rnaseh2b	Rnu7	Rpp38	S100a1	Scrn3
Rnaseh2c	Rogdi	Rprm	S100a13	Scrt2
Rnasek	Rorb	Rprml	S100a16	Sdc4
Rnd1	Rp9	Rps19bp1	S100a6	Sdccag8
Rnd2	Rpa1	Rqcd1	S100b	Sdf2
Rnd3	Rpa2	Rrad	Sac3d1	Sdr39u1
Rnf10	Rpain	Rraga	Sae1	Sec11a
Rnf113a2	Rpap3	Rragb	Safb	Sec13
Rnf114	Rpf2	Rrbp1	Sap18	Sec23ip
Rnf126	Rpgr	Rrp1	Sap30	Sec61b
Rnf128	Rpia	Rrp36	Sap30bp	Sec62
Rnf139	Rpl12	Rrp7a	Sar1b	Sel1l3
Rnf14	Rpl13	Rrp8	Sarnp	Selenbp1
Rnf146	Rpl13a	Rrp9	Sart1	Selk

Selm	Shfm1	Slc48a1	Snord12	Socs2
Senp3	Shisa4	Slc7a10	Snord123	Sostdc1
Senp8	Shox2	Slc7a4	Snord14d	Sox11
Sephs2	Siae	Slc7a6os	Snord14e	Sox13
Sept1	Siah2	Sln	Snord33	Sox2
Sept2	Sil1	Sln	Snord35a	Sox3
Sept5	Six3	Sltm	Snord38a	Sox9
Sept7	Skp1a	Slu7	Snord8	Spa17
Sept9	Sla2	Smad2	Snord95	Spag1
Sepw1	Slc15a3	Smarcb1	Snord96a	Spata24
Sepx1	Slc16a3	Smarcd3	Snrnp27	Spata3
Serf2	Slc16a6	Smarce1	Snrnp40	Spata7
Serp1	Slc17a5	Smc1a	Snrpa	Spata9
Serp2	Slc17a7	Smn1	Snrpa1	Spats2
Serpinb6a	Slc22a17	Smox	Snrpb	Spats21
Sertad1	Slc24a6	Smpd1	Snrpb2	Spc24
Set	Slc26a10	Smpd2	Snrpc	Spcs1
Setd3	Slc26a11	Smyd4	Snrpd1	Spcs2
Setd4	Slc2a12	Snap29	Snrpd2	Spdya
Setd6	Slc2a3	Snap47	Snrpd3	Spg20
Sez6l2	Slc30a5	Snapc2	Snrpe	Spg21
Sf3a3	Slc35a1	Snapc3	Snrpf	Sphk1
Sf3b2	Slc35c2	Snapin	Snrpn	Sphk2
Sgce	Slc35e4	Snf8	Snurf	Spint2
Sgta	Slc35f2	Snhg10	Snw1	Spns2
Sh2b2	Slc35f5	Snhg12	Snx1	Spock3
Sh3bgrl3	Slc37a3	Snhg5	Snx17	Spp1
Sh3bp1	Slc39a1	Snora24	Snx18	Spry2
Sh3gl3	Slc39a12	Snora33	Snx2	Spryd3
Sh3rf2	Slc39a6	Snora41	Snx22	Spsb2
Shb	Slc39a7	Snora65	Snx24	Spsb3
Shf	Slc45a1	Snora68	Snx3	Sqstm1

Sra1	Stk16	Svip	Tbc1d22b	Thoc1
Srd5a3	Stk19	Syf2	Tbc1d7	Thoc6
Srek1ip1	Stk25	Syngr3	Tbcb	Thoc7
Srm	Stmn1	Syp	Tbcd	Thumpd1
Srp14	Stmn2	Syt11	Tbpl1	Thy1
Srp9	Stmn3	Syt16	Tbrg1	Thyn1
Srpk1	Stmn4	Syt5	Tcea2	Tiam2
Srrt	Stoml1	Sytl2	Tceal1	Tigd2
Srsf11	Stradb	Syvn1	Tceal3	Tipin
Srsf3	Strn3	Tac1	Tceal5	Tlcd1
Srsf4	Stub1	Tada2a	Tceal6	Tlk2
Srsf5	Stx18	Taf10	Tceal7	Tm2d2
Srsf7	Stx1a	Taf11	Tceal8	Tm2d3
Srsf9	Stx4a	Taf13	Tceb2	Tm6sf2
Ssb	Stx5a	Taf15	Tcf4	Tm7sf2
Ssbp3	Stx6	Taf1b	Tcfap4	Tmbim6
Sspn	Stx8	Taf1d	Tcfcp2	Tmcc1
Ssr2	Styk1	Taf3	Tcp1	Tmco1
Ssr4	Suds3	Taf9	Tcte1	Tmed2
Ssrp1	Sult1a1	Taf9b	Tdp2	Tmed3
Sst	Sult4a1	Tagap	Tead2	Tmed4
Ssu72	Sumf1	Tagln3	Tecr	Tmed5
St3gal3	Sumf2	Taldo1	Tekt1	Tmed9
St3gal4	Sumo1	Tank	Tekt5	Tmem100
St3gal5	Sumo2	Tapt1	Terf1	Tmem111
St6galnac6	Sumo3	Tardbp	Tesk2	Tmem119
St8sia3	Sun2	Tarsl2	Tfip11	Tmem127
Stampb	Supt16h	Tasp1	Tgds	Tmem128
Stard3nl	Supt4h1	Tatdn1	Th1l	Tmem132a
Stau1	Supt4h2	Tax1bp1	Thap4	Tmem134
Stau2	Surf2	Tbc1d10b	Thap6	Tmem138
Stk11	Susd3	Tbc1d17	Thnsl2	Tmem141

Tmem147	Tmem87a	Tpm1	Trnau1ap	Tubb2c
Tmem149	Tmem87b	Tpm3	Trnp1	Tubb3
Tmem150b	Tmem88	Tpr	Trp53rk	Tubb5
Tmem161b	Tmem9	Tpra1	Trp73	Tubg2
Tmem165	Tmem91	Tprgl	Trpt1	Tusc1
Tmem17	Tmem93	Tprn	Tsc22d1	Tusc2
Tmem176b	Tmem98	Tpsg1	Tsc22d4	Twf1
Tmem178	Tmem9b	Tpst1	Tsen2	Twistnb
Tmem179	Tmie	Tpt1	Tsen34	Txndc12
Tmem194	Tmod1	Traip	Tsg101	Txndc15
Tmem20	Tmsb10	Tram1	Tsn	Txndc17
Tmem205	Tmsb15b2	Tram111	Tsnax	Txndc5
Tmem206	Tmsb4x	Trappc1	Tspan12	Txndc9
Tmem219	Tmub1	Trappc2l	Tspan14	Txnl1
Tmem222	Tmx1	Trappc3	Tspan17	Txnl4a
Tmem28	Tnfaip1	Trappc4	Tspan31	Txnl4b
Tmem35	Tnfaip8l3	Trappc5	Tspan33	Tyms
Tmem38a	Tnfrsf10b	Trappc6b	Tspan7	U2af1
Tmem38b	Tnfrsf8	Trem2	Tspyl1	U2af1l4
Tmem41a	Tnk1	Trex1	Tsr1	U2af2
Tmem50a	Tnnc1	Trh	Tssc1	Uap1l1
Tmem54	Tnni1	Trib1	Tssc4	Uba2
Tmem55a	Tnni3	Trim11	Tsta3	Uba3
Tmem55b	Tnnt1	Trim13	Tstd2	Uba5
Tmem59	Tob1	Trim27	Ttc12	Uba52
Tmem59l	Tom1	Trim8	Ttc4	Ubac1
Tmem66	Top1	Trip6	Ttc9b	Ubac2
Tmem68	Tor1aip2	Trmt11	Ttll1	Ubb
Tmem8	Tpd52	Trmt112	Tuba1a	Ubc
Tmem80	Tpd52l1	Trmt12	Tuba1b	Ube1y1
Tmem85	Tpd52l2	Trmt6	Tuba1c	Ube2cbp
Tmem86a	Tpi1	Trmt61b	Tuba4a	Ube2d2

Ube2e3	Unc93b1	Vps37b	Wnt2	Zcchc18
Ube2f	Upf3a	Vps37d	Wnt4	Zcchc7
Ube2g2	Upf3b	Vps45	Wrb	Zcchc9
Ube2i	Urm1	Vps4a	Wsb2	Zcrb1
Ube2j2	Use1	Vps53	Wtap	Zcwpw1
Ube2k	Usf2	Vps72	Xrcc4	Zdhhc13
Ube2l3	Usp12	Vta1	Xrcc5	Zdhhc16
Ube2m	Usp39	Vti1b	Xrn2	Zdhhc20
Ube2q1	Usp50	Wbp1	Xylb	Zdhhc21
Ube2q11	Usp7	Wbp2	Yars	Zdhhc4
Ube2r2	Utp11l	Wbp4	Ybx1	Zdhhc6
Ube2s	Utp18	Wbp5	Ydjc	Zfand1
Ube2v1	Utp23	Wdr1	Yeats4	Zfand2b
Ube2w	Utp3	Wdr18	Yipf2	Zfand6
Ube2z	Utp6	Wdr25	Yipf3	Zfp101
Ubl3	Vamp2	Wdr31	Yipf4	Zfp119a
Ubl4	Vamp4	Wdr38	Ypel4	Zfp120
Ubl5	Vapa	Wdr45l	Ypel5	Zfp2
Ublcp1	Vat1	Wdr5	Ythdc1	Zfp235
Ubqln4	Vbp1	Wdr53	Ythdc2	Zfp259
Ubt2	Vcp	Wdr54	Ywhab	Zfp277
Ubt	Vegfb	Wdr55	Ywhah	Zfp280d
Ubxn1	Veph1	Wdr61	Ywhaq	Zfp286
Ubxn11	Vill	Wdr70	Zbtb11	Zfp30
Uchl1	Vipar	Wdr74	Zbtb22	Zfp300
Ucn3	Vmn1r58	Wdr8	Zbtb8os	Zfp322a
Ufc1	Vmp1	Wdr83	Zc3h13	Zfp35
Ufd1l	Vopp1	Wdr89	Zc3h15	Zfp352
Ugdh	Vps11	Wdyhv1	Zc3h7a	Zfp353
Uhrf2	Vps24	Whamm	Zc3h8	Zfp354a
Ulk4	Vps28	Wibg	Zc3hc1	Zfp358
Unc50	Vps29	Wnk4	Zcchc12	Zfp365

Zfp385c	Zfp830
Zfp40	Zfp839
Zfp410	Zfp868
Zfp414	Zfp90
Zfp426	Zfp91
Zfp449	Zfp932
Zfp454	Zfp937
Zfp457	Zfp938
Zfp488	Zfp946
Zfp512	Zfp947
Zfp513	Zfp952
Zfp524	Zfp958
Zfp566	Zfp959
Zfp579	Zfp1
Zfp58	Zfyve21
Zfp593	Zglp1
Zfp617	Zic4
Zfp622	Zmat1
Zfp639	Zmat2
Zfp655	Znhit1
Zfp688	Znhit3
Zfp691	Zranb1
Zfp703	Zranb2
Zfp706	Zrsr1
Zfp707	Zrsr2
Zfp71-rs1	Zscan21
Zfp747	Zscan29
Zfp760	Zswim7
Zfp768	Zw10
Zfp772	Zwint
Zfp784	
Zfp821	