upplementary table 1: Number of consensus peaks within ±10 kb of the genes' TSS in each genus					
	Human	•	anzee	Orangutan	
Number of peaks	Gene	Number of peaks	Gene	Number of peaks	Gene
19	AL353644.3	35	IL21R	25	CFLAR
15	FP236383.11	32	POU2AF1	21	PGM5
15	FP671120.9	28	REL	20	SLAMF1
14	FP236383.12	25	BIRC3	20	SUZ12
12	DUX4L16	23	GPR183	19	DEXI
12	MIR155	16	GCSAM	17	CD80
11	AC022616.6	16	IFIT3	17	IL21R
11	FP671120.11	16	LOC742589	17	SLAMF7
10	MIR6724-2	15	CD74	16	DUSP4
10	MIR6724-4	15	CHD2	16	SRGN
9	FP236383.13	15	CIITA	15	BATF
9	RNA5-8SN2	15	LOC104004287	15	TRAF1
9	RNA5-8SN4	15	MEF2C	14	LOC10043489
8	AP000223.1	15	NFKBIZ	14	NFKBIZ
8	RNA5-8SN1	15	SERPINB9	13	LOC10388914
8	RNA5-8SN3	15	SRGN	13	UBC
7	AL353644.2	14	CFLAR	12	BIRC3
6	ACTB	14	KLF6	12	DUSP5
6	DHFR	14	LOC107976578	11	BRD2
6	FP236383.10	14	LOC112207918	11	CD83
6	H4C11	14	MED26	11	SLC35B2
6	MTND4P12	14	SEMA7A	10	HNRNPA1
6	MTND5P11	13	STK17B	10	HSP90AB1
6	MTRNR2L2	12	ENTPD1	9	CD74
6	ROCK1P1	12	IRF4	9	CD86
5	AL353644.1	12	MDM2	9	EIF4A2
5	DUX4L18	12	MTRNR2L14	9	GPR15
5	DUX4L19	12	TMEM131L	9	IRF5
5	FP671120.12	11	CCR7	9	LOC10044988
5	GADD45B	11	CD48	9	LOC11213162
5	H1-5	11	CD69	9	SEMA7A
5	H2BC5	11	CD83	8	BCAT1
5	H4C12	11	HNRNPA2B1		BHLHE40
5	LINC02090	11	IRF1	8	EEF1A1
5	MIR4485	11	MARCKS	8	LOC10388960
	MTND6P4		FMNL3		MDM2
	DUX4L20		IKZF3		PLA1A
	FP236383.4		INSIG1		PPP1R15A
	FP236383.6		MAP3K5		SPIB
	FP671120.10		SAMSN1		TNFAIP3

4	H2AC4	10	TYW1B	8	TRABD
4	H2BC4	9	BTG1	7	ACTB
4	H3C10	9	CDKN1A	7	CIITA
4	H3C2	9	CLEC2D	7	CLEC2D
4	MIR155HG	9	IRF2BP2	7	CREM
4	MTND4P24	9	LAPTM5	7	DUSP2
4	SNORD3D	9	MS4A1	7	IKZF3
4	TMSB4X	9	PIK3AP1	7	LOC100190801
3	AC008103.1	9	PRDM1	7	LOC100435866
3	AC008764.7	9	SLAMF7	7	LOC100453944
3	AC008764.9	9	UBC	7	LOC100937529
3	AC051619.7	8	ARID5A	7	MCOLN2
3	AGBL5	8	BRD2	7	OGDH
3	AGBL5-AS1	8	COA1	7	RRN3
3	AL031777.2	8	CYTIP	7	TUBA1B
3	AL356585.1	8	DEXI	6	ASTL
3	AP000769.3	8	IGF1	6	FTL
3	ASTL	8	LMO2	6	HNRNPA2B1
3	DDX11L16	8	LOC112207525	6	HSPA8
3	DUSP2	8	LOC739094	6	IER5
3	FP236383.3	8	PARPBP	6	LOC100432405
3	FP671120.7	8	PTPN6	6	LOC100432873
3	H1-4	8	SCIMP	6	LOC100442553
3	H2AC11	8	SLC35B2	6	LOC100461621
3	H2AC12	8	TNFAIP8	6	LOC100462023
3	H2AC13	8	TNIP1	6	LOC100938785
3	H2AC14	7	ARID5B	6	LOC103889760
3	H2AC18	7	BCL2	6	OTULIN
3	H2AC20	7	CD58	6	PGAM1
3	H2AC7	7	CYREN	6	RNF167
3	H2AC8	7	DUSP22	6	RUNX3
3	H2BC14	7	ENO1	6	TANK
3	H3C3	7	ERFE	6	TMSB4X
3	H3C4	7	GPX3	6	TSPOAP1
3	H4C15	7	HVCN1	5	AKNA
3	H4C2	7	ICAM1	5	ARF6
3	H4C5	7	ICAM4	5	BCL9L
3	H4C9	7	LCP1	5	BTG1
	HSPA6	7	LOC112206048	5	CHD2
3	LINC00324	7	LOC736529	5	CLCF1
3	MAMDC2	7	LOC745935	5	CLDND1
3	MED26	7	MCL1		FMNL3
3	MIR4521	7	PDE7A	5	ICAM1

3	MIR6724-3 7	PIM1 5	INSIG1
			LOC100433163
3			LOC100439748
			LOC100442587
3	MTND3P25 7	XBP1 5	LOC100452874
3	MTRNR2L12 7	ZEB2 5	LOC100460653
3	RN7SK 6	ATAD1 5	LOC100935714
3	SNRPGP19 6	BCL2A1 5	LOC100938272
2	AC004687.1 6	BMF 5	LOC112131332
2	AC005083.1 6	C15H15orf39 5	LOC112131631
2	AC006359.1 6	CSK 5	MRPS18B
2	AC011195.1 6	CSRNP1 5	NEK6
2	AC024051.1 6	CTNND1 5	PAX5
2	AC024051.10 6	CYTH1 5	PFN1
2	AC024051.11 6	EIF4A3 5	POLD4
2	AC024051.12 6	FNBP1 5	PPP1R10
2	AC024051.2 6	HERPUD1 5	PSMB8
2	AC024051.3 6	HIF1A 5	PSMD1
2	AC024051.4 6	IKZF2 5	PTP4A2
2	AC024051.5 6	IQSEC1 5	RASSF4
2	AC024051.6 6	JADE2 5	S1PR1
2	AC024051.7 6	LAT2 5	ST8SIA4
2	AC024051.8 6	LOC112207984 5	STAMBPL1
2	AC024051.9 6	LOC471883 5	TGIF1
2	AC051619.6 6	LOC743989 5	UCP2
2	AC084082.1 6	LOC746645 5	ZC3H12D
2	AC103591.3 6	MACF1 4	ABCD2
2	AC105105.1 6	MOB3A 4	AIM2
2	AC108134.2 6	NFKBIE 4	ARPC3
2	AC114498.2 6	PATR-A 4	ATG12
2	AC124068.2 6	PDE4B 4	ATP1A1
2	AC213203.2 6	PKM 4	B2M
2	AC239868.1 6	PLA1A 4	BCL2A1
2	AC245014.3 6	PNRC2 4	CALCOCO2
2	AL021918.5 6	POU2F2 4	CALM2
2	AL109741.1 6	PSMB8 4	CASP8
2	AL132780.1 6	RGS1 4	CCDC102A
2	AL136961.1 6	RGS3 4	CCDC88B
2	AL162581.1 6	SMIM3 4	CCDC97
2	AL163195.1 6	TANK 4	CHST6
2	AL360012.1 6	TNF 4	CORO1A
2	AP000424.1 6	TRAF1 4	CSK
2	AP000424.2 6	ZNF267 4	CX3CL1

2	AP000944.4 5	ACTC1	CYTH1
			DDIT4
			EHF
			ELOA2
			EML2
			EXOSC1
			FAM90A1
			FMNL1
			GADD45B
			GPR132
			GPR183
			GPR55
			GPR68
			GPX3
2	DUX4L50 5	IZUMO4 4	HEXIM1
2	FAM167B 5	LOC112208401 4	HMGN4
2	FAM230A 5	LOC462490 4	HSP90B1
2	FAM230B 5	LOC462509 4	ICAM4
2	FP236383.1 5	LOC471907 4	ID2
2	FP236383.5 5	LOC472228 4	IFI30
2	FP236383.7 5	LOC747026 4	IFNAR2
2	FP236383.9 5	MTRNR2L2 4	IL10
2	FP671120.4 5	MTRNR2L8 4	IL12RB2
2	FP671120.5 5	MYB 4	IL6ST
2	FRG1HP 5	MYO1G 4	IRF1
2	GCSAM 5	NEK6 4	ITGA1
2	GTF2A1 5	P2RY10 4	KSR1
2	H1-2 5	P2RY8 4	LAPTM5
2	H1-3 5	PATR-DRA 4	LOC100171566
2	H2AC16 5	PLAC8 4	LOC100431336
2	H2AC17 5	RNF144A 4	LOC100434652
2	H2AC19 5	RUNX1 4	LOC100436405
2	H2AC21 5	SEPT9 4	LOC100440073
2	H2AC6 5	SOCS1 4	LOC100442896
2	H2BC10 5	ST3GAL5 4	LOC100444477
2	H2BC11 5	TAPBPL 4	LOC100444914
2	H2BC13 5	TRIM22 4	LOC100455882
2	H2BC18 5	TSPOAP1 4	LOC100458356
2	H2BC19P 5	UBALD2 4	LOC100935770
2	H2BC21 5	ZC3H12A 4	LOC103890842
2	H2BC6 5	ZC3H12D 4	LOC103891188
2	H2BC7 5	ZFP36 4	LOC103891543
2	H2BC8 4	ABI3 4	LOC103891919
_			

2	H2BC9 4	ADAP1 4	LOC112131519
			LPA
			LPXN
			MACF1
2	H4C3 4	ATF4 4	MAT2A
		B3GNT2 4	MCL1
2	H4C6 4	BATF 4	MED26
			MTRNR2L1
2	IGHJ6 4	CCDC58 4	MYBPC2
2	ITGAL 4	CCDC90B 4	NABP1
2	LINC02332 4	CD70 4	NFE2
2	LSP1 4	CDK7 4	P2RY10
2	LTA4H 4	CREB5 4	PNN
2	MIR142 4	CREM 4	RAB30
2	MIR200CHG 4	DDIT3 4	RAC2
2	MIR378I 4	DOCK10 4	REL
2	MIR4537 4	DUSP5 4	RFTN1
2	MIR6724-1 4	E2F7 4	RGS1
2	MIR8078 4	ELF2 4	RPL23A
2	MTATP6P1 4	EML2 4	RPL37
2	MTATP8P1 4	FAS 4	RPS9
2	MTCO1P12 4	FGR 4	SIAH2
2	MTCO2P12 4	HES7 4	SMIM3
2	MTCO2P2 4	HIST1H1B 4	SNRPE
2	MTCO3P12 4	HIST1H1D 4	STAT3
2	MTCYBP35 4	HIST2H2AB 4	SUPT4H1
2	MTND1P23 4	IER5 4	TAGAP
2	MTND2P28 4	IFNLR1 4	TJP2
2	MTND4LP30 4	IL10 4	TNFAIP8
2	MTND6P22 4	KCNJ1 4	TNFSF10
2	NCF1B 4	KCNQ5 4	TRIM41
2	NEAT1 4	LAMP3 4	TTC32
2	NEK6 4	LDHC 4	TUBB
2	NIBAN3 4	LOC100616520 4	ZFP36L1
2	PARP15 4	LOC104001101 3	ACSL6
2	PIP4K2A 4	LOC104002581 3	ADIRF
2	PLXDC1 4	LOC104003034 3	AGFG1
2	POLR3E 4	LOC104003709 3	ALOXE3
2	POU2F2 4	LOC104004242 3	ANKRD44
2	PPCDC 4	LOC104006752 3	ARID5A
2	RCC1 4	LOC107973273 3	ARID5B
2	RN7SL1 4	LOC107975094 3	ARL3
2	RN7SL2 4	LOC112208013 3	ARL6IP5

2	RNA5S8 4	LOC112208360 3	BASP1
			BIRC2
			BTG2
			C12H12orf57
			C5H5orf15
			CCL22
			CCND2
			CCR7
			CD19
			CD58
			CD68
			CD70
			CD79A
			CELF2
			CHRNA2
			CLDND2
			CLEC16A
			CTSH
			CXCR5
2	RNU5E-4P 4	SELPLG 3	DAPP1
2	RNU5E-6P 4	SLAMF1 3	DCTN4
2	RNU5F-1 4	SNX11 3	DDX27
2	RNU7-1 4	SNX5 3	DNAJB1
2	RNVU1-14 4	SRSF10 3	DNAJC18
2	RNVU1-15 4	SSH2 3	DOT1L
2	RNVU1-18 4	ST8SIA4 3	DUSP22
2	RNVU1-19 4	STK17A 3	EBF1
2	RNVU1-27 4	SUSD6 3	EHD1
2	RNVU1-28 4	TAP1 3	EIF3G
2	RNVU1-29 4	TCTN1 3	ENTPD1
2	RNVU1-30 4	TIFA 3	ETFB
2	RNVU1-31 4	TMSB4X 3	FABP5
2	RNVU1-6 4	TNFRSF13C 3	FAM222B
2	RNVU1-7 4	TRA2B 3	FCN2
2	RPL22P19 4	TRAF3IP3 3	FLOT2
2	RPL24 4	TRIM5 3	FMC1
2	RPS23P10 4	TRIM69 3	GAPDH
2	SACM1L 4	TRIM7 3	GCSAM
2	SHISA8 4	TUBA1B 3	GNAI2
2	SLAMF1 4	TUBB 3	GNL3
2	SNORA73B 4	VASH2 3	GRK2
2	SNORD118 4	VOPP1 3	HES7
2	SNORD3A 4	ZFP36L1 3	HIST2H2BE

2	SNORD3B-1 4	ZFP36L2 3	HNRNPH1
			HSPA1A
2	Z93241.1 3	ACTB 3	HSPA6
			IL6
			IL7R
1	AC006064.4 3		INO80B
1	AC007325.4 3	ALOXE3 3	IQCD
1	AC007326.4 3	ANKRD28 3	IQSEC1
1	AC007384.1 3	APOBEC3H 3	IRF2BP2
1	AC007639.1 3	ASXL1 3	IRF3
1	AC008012.1 3	ATM 3	ITGAL
1	AC008443.9 3	BAZ2A 3	JUNB
1	AC008670.1 3	BHLHE40 3	KDM2A
1	AC008738.1 3	BIRC2 3	KRTCAP2
1	AC008894.2 3	C12H12orf57 3	LAT2
1	AC010186.2 3	CCDC102A 3	LCP1
1	AC010186.3 3	CCDC97 3	LOC100431299
1	AC010761.6 3	CCL3 3	LOC100431754
1	AC010768.2 3	CD22 3	LOC100433339
1	AC011195.3 3	CD53 3	LOC100433891
1	AC012506.4 3	CD79A 3	LOC100433990
1	AC018755.1 3	CD82 3	LOC100435391
1	AC020651.1 3	CHI3L2 3	LOC100435392
1	AC022182.1 3	CISD2 3	LOC100436332
1	AC022210.1 3	CLECL1 3	LOC100436510
1	AC022210.2 3	CLIC1 3	LOC100438181
1	AC022726.1 3	CTSH 3	LOC100439336
1	AC023424.2 3	CXCR5 3	LOC100439532
1	AC025164.2 3	CYB5D1 3	LOC100439702
1	AC025171.4 3	DDIT4 3	LOC100442667
1	AC034102.7 3	DHFR 3	LOC100443259
1	AC040904.1 3	DNASE1L3 3	LOC100443317
1	AC040970.1 3	DUSP2 3	LOC100443497
1	AC067752.1 3	ELF1 3	LOC100443987
1	AC068228.4 3	ELL2 3	LOC100444716
1	AC073957.1 3	EPN2 3	LOC100445948
1	AC084026.2 3	EVL 3	LOC100447710
1	AC084398.2 3	EXOSC1 3	LOC100448112
1	AC087286.4 3	FAM3C 3	LOC100448122
1	AC090617.9 3	FBXW7 3	LOC100448477
1	AC091045.1 3	FCER2 3	LOC100448647
1	AC091144.1 3	GADD45B 3	LOC100449561
1	AC092053.6 3	GAK 3	LOC100450287

4 40	2222227.44	00045	1.00400454454
			LOC100451151
			LOC100451861
			LOC100455134
			LOC100456246
			LOC100457480
			LOC100459445
			LOC100460187
			LOC103889573
			LOC103890872
			LOC103891519
1 AC	132938.7	IPCEF1 3	LOC103892244
1 AC	133552.2	IRF9 3	LOC112133748
1 AC	142472.1 3	ISCU 3	LOC112133749
1 AC	145613.1 3	ITGAL 3	LOC112133908
1 AC	215217.1 3	JUNB 3	LOC112133911
1 AC	2233714.1 3	LDHA 3	LY9
1 AC	245407.2	LOC100609614 3	MAP3K14
1 AC	CTR3 3	LOC101057162 3	MAP3K8
1 AD	ORA2A 3	LOC107966300 3	MED11
1 AK	(AP13 3	LOC107966578 3	MLLT6
1 ALC	009179.1 3	LOC107967429 3	MOB1A
1 ALC	009179.3	LOC107968421 3	MRPL53
1 ALC	021917.1 3	LOC107972903 3	MSC
1 ALC	021918.1 3	LOC107976709 3	MTO1
1 ALC	031846.1 3	LOC112204037 3	MUS81
1 ALC	035588.1 3	LOC112204059 3	MYO1G
1 AL	109758.1 3	LOC112205887 3	NAMPT
1 AL	121935.1 3	LOC112206521 3	NFKBIE
1 AL	121956.4	LOC112206885 3	NINJ2
1 AL	136181.1 3	LOC112207767 3	NOP58
1 AL	138756.1 3	LOC112207796 3	NUB1
1 AL	138930.1 3	LOC112208018 3	NUBP1
1 AL	139099.1 3	LOC112209429 3	NUP205
1 AL	157831.3	LOC457262 3	NUP43
1 AL	158207.1 3	LOC462500 3	OAZ2
1 AL	163636.1 3	LOC463172 3	ODF3B
1 AL	355994.4 3	LOC465305 3	ORAI3
1 AL	391832.2	LOC471887 3	PFKFB3
1 ALC	391832.3	LOC471888 3	PIGW
1 AL	512631.1 3	LOC471894 3	PIM2
1 AL:	592295.4 3	LOC471902 3	PKM
1 AL	592295.5 3	LOC471905 3	POLG2
	OXE3 3	LOC735611 3	POLR2K

1 AP000550.2 3 LOC744313 3 PSMA6 1 AP000757.2 3 LOC74630 3 PSMB10 1 AP000769.5 3 LOC765731 3 RBPJ 1 AP000769.5 3 LOC765731 3 RBPJ 1 AP000769.5 3 LOC750731 3 RIPOR2 1 AP000107.9 3 LVN 3 RPL24 1 AP001107.9 3 LVN 3 RPL4 1 AP001107.9 3 LVN 3 RPL4 1 AP00130.1 3 MIA 3 RPL4 1 AP003721.1 3 MX2 3 SLC35A2 1 AP003721.4 3 MYCBP2 3 SMG1 1 AP003721.1 3 MX2 3 SLC35A2 1 AP003721.4 3 MYCBP2 3 SMG1 1 AP03800.1 3 NABP1 3 SOCS1 1 AP03800.1 3 NABP1 3 SOCS1 1 AP04609.4 3 NFKB2 3 SORL1 1 AP05EC3H 3 NFKBIA 3 SPCS2 1 ARHGEF18 3 NSMCE1 3 SRSF1 1 BAK1 3 NUB1 3 SSH2 1 BHLHE40 3 NUBP1 3 SYS1 1 BIRC3 3 NXPE3 3 TAGLN2 1 BIRC3 3 PATR-B 3 TIMM17A 1 CB0737 3 PATR-DMB 3 TK2 1 CARM1 3 PATR-DMB 3 TK2 1 CARM1 3 PATR-DOB1 3 TMBIM4 1 CCND2 3 PATR-F 3 TM	1	ANGPTL6 3	LOC736707 3	PRDM1
1 AP000757.2 3 LOC746430 3 PSMB10 1 AP000769.2 3 LOC746513 3 RBPJ 1 AP000769.5 3 LOC746513 3 RBPJ 1 AP000769.5 3 LOC750731 3 RIPOR2 1 AP000769.5 3 LOC750731 3 RIPOR2 1 AP001107.9 3 LYN 3 RPL4 1 AP001630.1 3 MIA 3 RPL41 1 AP001630.1 3 MIA 3 RPL41 1 AP003721.1 3 MX2 3 SLC35A2 1 AP003721.1 3 MX2 3 SLC35A2 1 AP003721.4 3 MYCBP2 3 SMG1 1 AP003721.4 3 MYCBP2 3 SMG1 1 AP003900.1 3 NABP1 3 SOCS1 1 AP004609.4 3 NFKB2 3 SORL1 1 AP06609.4 3 NFKB2 3 SORL1 1 AP06609.4 3 NFKB2 3 SORL1 1 BACE 1 BAK1 3 NUB1 3 SSH2 1 BHLHE40 3 NUBP1 3 SYS1 1 BHLHE40 3 NUBP1 3 SYS1 1 BHLHE40 3 NUBP1 3 SYS1 1 BTG2 3 ORAI2 3 TIA1 1 BX284668.6 3 PATR-DB 3 TIMM17A 1 C807637 3 PATR-DB 3 TIMM17A 1 C807637 3 PATR-DB 3 TIMM17A 1 CARM1 3 PATR-DB1 3 TMBIM4 1 CCND2 3 PATR-DB1 3 TMBIM5 1 CCNSBP7 3 PIKSR1 3 WDFY1 1 CXXC5 3 PINCD 3 WRAP53 1 DDY11L1 3 PPCDC 3 XRCC5 1 DGCR6 3 PPP1R15A 3 ZBTB32 1 DDY11L1 3 PPCDC 3 XRCC5 1 DGCR6 3 PPP1R15A 3 ZBTB32 1 DDY11L1 3 PPCDC 3 XRCC5 1 DGCR6 3 PPP1R15A 3 ZBTB32 1 DDY11L1 3 PPCDC 3 ZC3H77A 1 CCRD 3 ZG3H77A 1 ECE1 3 PSMA3 3 ZFP36 1 DUSP22 3 PRRSQE 3 ZC3H77A 1 ECE1 3 PSMA3 3 ZFP36 1 DUSP22 3 PRRSQE 3 ZC3H77A 1 ECE1 3 PSMA3 3 ZFP36 1 DUSP22 3 PRRSQE 3 ZC3H77A 1 ECE1 3 PSMA3 3 ZFP36 1 DUSP22 3 PRRSQE 3 ZC3H77A 1 ECE1 3 PSMA3 3 ZFP36				
1 AP000769.2 3 LOC746513 3 RBPJ 1 AP000769.5 3 LOC750731 3 RIPOR2 1 AP000769.5 3 LSP1 3 RPL24 1 AP001107.9 3 LYN 3 RPL4 1 AP001630.1 3 MIA 3 RPL41 1 AP003721.1 3 MYZ 3 SLC35A2 1 AP003721.1 3 MYZ 3 SLC35A2 1 AP003721.4 3 MYZ 3 SUC35A2 1 AP00390.1 3 NABP1 3 SOCS1 1 AP004609.4 3 NFKB2 3 SORL1 1 AP004609.4 3 NFKB2 3 SORL1 1 AP06EC3H 3 NSMCE1 3 SRSF1 1 BAK1 3 NUB1 3 SSF2 1 ARHGEF18 3 NUB1 3 SSF51 1 BHLHE40 3 NUB1 3 SSF1 1 BIRC3 3 NAPE3 3 TAGLN2 1 BIC3 3 NAPE3 3 TAGLN2 1 BIC2 3 ORA12 3 TIA1 1 BIX284668.6 3 PATR-B 3 TIMM17A 1 C80rf37 3 PATR-DMB 3 TK2 1 CARM1 3 PATR-DMB 3 TK2 1 CARM1 3 PATR-DMB 3 TK2 1 CARM1 3 PATR-DMB 3 TMEM148 1 CCDC107 3 PATR-PB 3 TMEM148 1 CCDC2 3 PATR-F 3 TMEM148 1 CCDC2 3 PATR-F 3 TMEM148 1 CCDC2 3 PATR-F 3 TMEM188 1 CHI3L2 3 PEAK1 3 TNIP1 1 CLITA 3 PFN1 3 TYMP 1 CLIDAD1 3 PGAM1 3 UBE2D3 1 COA1 3 PHOSPHO1 3 VPS25 1 COX6BP7 3 PIKSR1 3 WDFY1 1 CXCC5 3 PNKD 3 WDF74 1 CYBC1 3 POLRSE 3 WRAP53 1 DDX11L1 3 PPCDC 3 XRCC5 1 DGCR6 3 PPTR26 3 ZC3117A 1 ECE1 3 PSMA3 3 ZF936 1 ECE1-AS1 3 PTR2B 3 ZFP91 1 FCMR 3 PTR2C 3 ZMIZ1 1 FGR				
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1       BAK1       3       NUB1       3       SSH2         1       BHLHE40       3       NUBP1       3       SYS1         1       BIRC3       3       NXPE3       3       TAGLN2         1       BTG2       3       ORAI2       3       TIMM1         1       BX284668.6       3       PATR-B       3       TIMM17A         1       CR0377       3       PATR-DMB       3       TK2         1       CARM1       3       PATR-DMB       3       TLCD1         1       CARM1       3       PATR-DPA1       3       TLCD1         1       CCOCD107       3       PATR-DQB1       3       TMBIM4         1       CCOCD2       3       PATR-F       3       TMEM138         1       CCND2       3       PATR-F       3       TMEM138         1       CCND2       3       PATR-F       3       TMEM138         1       CCND2       3       PATR-F       3       TMEM138         1       CCH31       3       PATR-F       3       TMEM138         1       CCH32       3       PATR-F       3       TMEM138 <td></td> <td></td> <td></td> <td></td>				
1       BHLHE40       3       NUBP1       3       SYS1         1       BIRC3       3       NXPE3       3       TAGLN2         1       BTG2       3       ORAI2       3       TIA1         1       BX284668.6       3       PATR-B       3       TIMM17A         1       C80rf37       3       PATR-DMB       3       TK2         1       CARM1       3       PATR-DPA1       3       TLCD1         1       CCDC107       3       PATR-DPA1       3       TLMB14         1       CCDC02       3       PATR-DPA1       3       TLMB14         1       CCDC02       3       PATR-DPA1       3       TLMB14         1       CCDC02       3       PATR-DPA1       3       TLMB14         1       CCCC3       3       PDPR       3       TLMB14         1       CCCR3       3       PEAK1       3       TL				
1       BIRC3       3       NXPE3       3       TAGLN2         1       BTG2       3       ORAI2       3       TIA1         1       BX284668.6       3       PATR-B       3       TIMM17A         1       C8orf37       3       PATR-DMB       3       TK2         1       CARM1       3       PATR-DMB       3       TK2         1       CCDC107       3       PATR-DMB       3       TK2         1       CCDC107       3       PATR-DMB       3       TLCD1         1       CCND2       3       PATR-DMB       3       TKD         1       CCND2       3       PATR-DMB       3       TMCD1         1       CCND2       3       PARA1       3       TMIP138         1       CCH2       3       PARA1       3       TMIP138	1	BAK1 3		
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1       BX284668.6       3       PATR-B       3       TIMM17A         1       C8orf37       3       PATR-DMB       3       TK2         1       CARM1       3       PATR-DMB       3       TLCD1         1       CCDC107       3       PATR-DQB1       3       TMBIM4         1       CCD02       3       PATR-F       3       TMBIM4         1       CCD02       3       PATR-F       3       TMBIM4         1       CCD2       3       PATR-DQB1       3       TMBIM4         1       CCD02       3       PATR-DQB1       3       TMBIM4         1       CCDC107       3       PATR-DQB1       3       TMBIM4         1       CCDC2       3       PATR-DQB1       3       TMBIM4         1       CCND2       3       PATR-DQB1       3       TMBIM4         1       CCDC2       3       PATR-DQB1       3       TMBIM4         1       CCCR3       3       PPAR1       3       TMPP138         1       CCID       3       PPAR1       3       TMPP138         1       CCDND1       3       PPAR1       3	1	BIRC3 3	NXPE3 3	TAGLN2
1       C8orf37       3       PATR-DMB       3       TK2         1       CARM1       3       PATR-DPA1       3       TLCD1         1       CCDC107       3       PATR-DQB1       3       TMBIM4         1       CCD02       3       PATR-F       3       TMBIM4         1       CCD02       3       PATR-DQB1       3       TMBIM4         1       CCCR3       3       PPAR       3       TMPP13         1       CCID       3       PPAR       3       PPAR         1       CLBAC       3       PPAR       3       PPAR         1       COA1       3       PPAR       3       PPAR         1       COX5BP7       3       PIKAD       3       WRAP53 <td>1</td> <td>BTG2 3</td> <td>ORAI2 3</td> <td>TIA1</td>	1	BTG2 3	ORAI2 3	TIA1
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1 CCND2 3 PATR-F 3 TMEM138 1 CECR3 3 PDPR 3 TNFRSF13B 1 CHI3L2 3 PEAK1 3 TNIP1 1 CIITA 3 PFN1 3 TYMP 1 CLDND1 3 PGAM1 3 UBE2D3 1 COA1 3 PHOSPHO1 3 VPS25 1 COX5BP7 3 PIK3R1 3 WDFY1 1 CXXC5 3 PNKD 3 WDR74 1 CYBC1 3 POLR3E 3 WRAP53 1 DDX11L1 3 PPCDC 3 XRCC5 1 DGCR6 3 PPP1R15A 3 ZBTB32 1 DPP9 3 PRKCE 3 ZC3H12A 1 DUSP22 3 PRR20E 3 ZC3H7A 1 ECE1 3 PSMA3 3 ZFP36 1 ECE1-AS1 3 PTK2B 3 ZFP91 1 FCMR 3 PTPRC 3 ZMIZ1 1 FFAR1 3 RAB35 2 ACC78 1 FGR	1	CARM1 3	PATR-DPA1 3	TLCD1
1 CECR3 3 PDPR 3 TNFRSF13B 1 CHI3L2 3 PEAK1 3 TNIP1 1 CIITA 3 PFN1 3 TYMP 1 CLDND1 3 PGAM1 3 UBE2D3 1 COA1 3 PHOSPHO1 3 VPS25 1 COX5BP7 3 PIK3R1 3 WDFY1 1 CXXC5 3 PNKD 3 WDR74 1 CYBC1 3 POLR3E 3 WRAP53 1 DDX11L1 3 PPCDC 3 XRCC5 1 DGCR6 3 PPP1R15A 3 ZBTB32 1 DPP9 3 PRKCE 3 ZC3H12A 1 DUSP22 3 PRR20E 3 ZC3H12A 1 DUSP22 3 PRR20E 3 ZC3H7A 1 ECE1 3 PSMA3 3 ZFP36 1 ECE1-AS1 3 PTK2B 3 ZFP91 1 FCMR 3 PTPRC 3 ZMIZ1 1 FGRT 3 RAB35 2 ACOT8	1	CCDC107 3	PATR-DQB1 3	TMBIM4
1 CHI3L2 3 PEAK1 3 TNIP1 1 CIITA 3 PFN1 3 TYMP 1 CLDND1 3 PGAM1 3 UBE2D3 1 COA1 3 PHOSPHO1 3 VPS25 1 COX5BP7 3 PIK3R1 3 WDFY1 1 CXXC5 3 PNKD 3 WDR74 1 CYBC1 3 POLR3E 3 WRAP53 1 DDX11L1 3 PPCDC 3 XRCC5 1 DGCR6 3 PPP1R15A 3 ZBTB32 1 DPP9 3 PRKCE 3 ZC3H12A 1 DUSP22 3 PRR20E 3 ZC3H7A 1 ECE1 3 PSMA3 3 ZFP36 1 ECE1-AS1 3 PTK2B 3 ZFP91 1 FCMR 3 PTPRC 3 ZMIZ1 1 FFAR1 3 RAB35 2 ACOT8 1 FGR	1	CCND2 3	PATR-F 3	TMEM138
1 CITA       3 PFN1       3 TYMP         1 CLDND1       3 PGAM1       3 UBE2D3         1 COA1       3 PHOSPHO1       3 VPS25         1 COX5BP7       3 PIK3R1       3 WDFY1         1 CXXC5       3 PNKD       3 WDR74         1 CYBC1       3 POLR3E       3 WRAP53         1 DDX11L1       3 PPCDC       3 XRCC5         1 DGCR6       3 PPP1R15A       3 ZBTB32         1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FGMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	CECR3 3	PDPR 3	TNFRSF13B
1 CLDND1       3 PGAM1       3 UBE2D3         1 COA1       3 PHOSPHO1       3 VPS25         1 COX5BP7       3 PIK3R1       3 WDFY1         1 CXXC5       3 PNKD       3 WDR74         1 CYBC1       3 POLR3E       3 WRAP53         1 DDX11L1       3 PPCDC       3 XRCC5         1 DGCR6       3 PPP1R15A       3 ZBTB32         1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	CHI3L2 3	PEAK1 3	TNIP1
1 COA1       3 PHOSPHO1       3 VPS25         1 COX5BP7       3 PIK3R1       3 WDFY1         1 CXXC5       3 PNKD       3 WDR74         1 CYBC1       3 POLR3E       3 WRAP53         1 DDX11L1       3 PPCDC       3 XRCC5         1 DGCR6       3 PPP1R15A       3 ZBTB32         1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	CIITA 3	PFN1 3	TYMP
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1 CXXC5       3 PNKD       3 WDR74         1 CYBC1       3 POLR3E       3 WRAP53         1 DDX11L1       3 PPCDC       3 XRCC5         1 DGCR6       3 PPP1R15A       3 ZBTB32         1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	COA1 3	PHOSPHO1 3	VPS25
1 CYBC1       3 POLR3E       3 WRAP53         1 DDX11L1       3 PPCDC       3 XRCC5         1 DGCR6       3 PPP1R15A       3 ZBTB32         1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	COX5BP7 3	PIK3R1 3	WDFY1
1 DDX11L1       3 PPCDC       3 XRCC5         1 DGCR6       3 PPP1R15A       3 ZBTB32         1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	CXXC5 3	PNKD 3	WDR74
1 DGCR6       3 PPP1R15A       3 ZBTB32         1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	CYBC1 3	POLR3E 3	WRAP53
1 DPP9       3 PRKCE       3 ZC3H12A         1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	DDX11L1 3	PPCDC 3	XRCC5
1 DUSP22       3 PRR20E       3 ZC3H7A         1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	DGCR6 3	PPP1R15A 3	ZBTB32
1 ECE1       3 PSMA3       3 ZFP36         1 ECE1-AS1       3 PTK2B       3 ZFP91         1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	DPP9 3	PRKCE 3	ZC3H12A
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1 FCMR       3 PTPRC       3 ZMIZ1         1 FFAR1       3 RAB35       2 ACOT8         1 FGR       3 RARA       2 ACP2	1	ECE1 3	PSMA3 3	ZFP36
1 FFAR1 3 RAB35 2 ACOT8 1 FGR 3 RARA 2 ACP2	1	ECE1-AS1 3	PTK2B 3	ZFP91
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	1			
1 FMC1-LUC7L2 3 RHOH 2 ACTR3				

1	FO538757.1 3	RIPOR1 2	ADA
			ADAM28
		-	ADAT1
			ADGRE5
			ADORA2A
			ADPRH
			AEBP2
			AGBL3
			AGO2
			ALCAM
			ANKRD28
			AP4E1
			APTX
			ARL11
			ARMC2
			ARPP19
			ARRB2
			ARRDC2
			ARRDC3
			ASB2
			ASMTL
			ASXL1
			ATAD1
1			ATF4
1	IER5 2	AANAT 2	ATP5MC2
1	IGHV10R21-1 2	ABCB1 2	ATP5S
1	IGSF6 2		ATP6V1G1
1	IKBKB 2	ABTB2 2	BANK1
1	IL10 2	ACTR1B 2	BAX
1	IL16 2	ADA 2	BAZ2A
1	IL21R-AS1 2	ADPRH 2	BBS10
1	ILF2 2	AFF1 2	BMF
1	INAVA 2	AGO2 2	BNIP1
1	IQCD 2	AKT1S1 2	BOLA2B
1	IRF4 2	ALOX5AP 2	BORCS6
1	IRF8 2	ANG 2	BRIX1
1	ISG20 2	ANXA6 2	BRK1
1	IZUMO4 2	AP3M2 2	BST2
1	KIF5C 2	APOA2 2	BUB1
1	KLK1 2	ARHGAP30 2	C12H12orf40
1	KNL1 2	ARHGDIB 2	C16H16orf87
1	LAT2 2	ARHGEF1 2	C1H1orf112
1	LINC01004 2	ARHGEF12 2	C1H1orf56

1	LINC01136 2	ARL6IP5 2	C21H21orf91
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			CAV1
			CCDC151
			CCDC191
			CCDC58
			CCDC59
			CCNI
			CCNT1
			CCP110
			CCF110
			CD180
			CD274
			CD2BP2
			CD40
			CD63
			CD82
			CDC42BPG
1			CDC42SE1
1			CFAP45
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1	MIR4736 2	CCL4 2	CHI3L2
1	MIR5196 2	CCM2 2	CLEC17A
1	MIR548AC 2	CCT6B 2	CLHC1
1	MIR5692B 2	CCT8 2	CLNS1A
1	MIR6165 2	CD1C 2	CMA1
1	MIR6881 2	CD200R1 2	CMTR1
1	MOB3A 2	CD27 2	CNPY4
1	MPZL1 2	CD37 2	COIL
1	MRPS10 2	CD47 2	COQ5
1	MTCO1P2 2	CD68 2	CREB3
1	MTCYBP13 2	CD80 2	CSF2
1	MTND4LP1 2	CDC40 2	CTNND1
1	MTND4LP5 2	CDC42BPG 2	CTSE
1	MTND4P35 2	CDK17 2	CTSZ
1	MTRNR2L1 2	CDK19 2	CWC25
1	MTRNR2L8 2	CDKN1B 2	CXCL9
1	MTRNR2L9 2	CELF2 2	CXCR3
1	MYC 2	CHCHD5 2	CYB5B
1			CYCS
			DARS
			DDX39B
			DDX56

1	NPR1 2	CNTRL 2	DENND5A
			DFFA
			DHRS3
			DKFZP459K227
			DNAJB14
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1	PMAIP1 2	COX7A2 2	DNTTIP2
			DPYSL2
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1	PPAN-P2RY11 2	CXCR4 2	DUSP11
1	PPP1R9B 2	DAPP1 2	DYNLT1
1	PSME2P6 2	DARS 2	E2F7
1	PTGIR 2	DDAH2 2	EBI3
1	PTPA 2	DDX17 2	ECH1
1	PTPN6 2	DDX20 2	EEF1G
1	PVRIG2P 2	DDX5 2	EEF2K
1	RAB8A 2	DDX6 2	EFHD2
1	RASSF6 2	DGKD 2	EGR2
1	RB1-DT 2	DGUOK 2	EID1
1	RGPD2 2	DHX16 2	EIF2A
1	RGS1 2	DHX8 2	ELP3
1	RGS3 2	DMAC2 2	EMP3
1	RMRP 2	DNMBP 2	ERCC6L2
1	RN7SL116P 2	DNTTIP2 2	ERH
1	RN7SL28P 2	DPP9 2	ERICH3
1	RN7SL356P 2	DRAM2 2	EXOSC9
1	RN7SL573P 2	DST 2	FAM102A
1	RNA5SP184 2	ECE1 2	FAM71B
1	RNA5SP284 2	EDEM1 2	FANCA
1	RNASET2 2	EED 2	FBXL18
1	RNU6-1224P 2	EGR2 2	FBXO25
1	RNU6-196P 2	EGR3 2	FBXO43
1	RNU6-35P 2	EIF3I 2	FCRL4
1	RNU6-362P 2	EIF4ENIF1 2	FGGY
		EIF5A 2	FKBP15
1	RNU6-450P 2	ELL3 2	FRMD8
		ELMO1 2	FUBP1
1	RNU6-471P 2	ELOF1 2	GLRX
1	RNU6-510P 2	EMID1 2	GORAB
1	RNU7-26P 2	EPS15L1 2	GOSR1
1	RNU7-38P 2	ERH 2	GPANK1
			GRAMD2A
1	RPL17P22 2	EYA3 2	GRHL3

1	RPL18AP8	2	FADS2	2	H2AFZ
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	RPL23AP25		FAM231D		HACD3
	RPL23AP97		FCER1G		HILPDA
	RPL38P4		FCMR		HINT1
	RPL41		FCRLA		HIST1H2BC
	RPS29		FDPS		HNRNPK
	RPS6KA1		FFAR1		HSD17B7
	RRAGD		FHOD1		HTRA2
	SCIMP		FMOD		HTT
	SENP5		FNDC3B		HVCN1
	SF3A3		FNTB		IFI6
	SH2B3		FRMPD2		IFIT2
	SLC25A45		FTH1		IKBKB
	SLC35G6		FTL		IKZF2
	SNORD13		GADD45A		IL23A
	SNORD3B-2		GAPDH		IL23R
	SNORD3C		GAS7		IL2RA
	SORL1		GBP4		IL2RB
	SP1		GGNBP2		ILDR1
	SPN		GOSR1		IMP3
	STAG3L5P-PVRIG2P-PILRB		GPR18		ING1
	TEX14		GPS2		INO80C
	TIA1		GPSM3		INTS7
	TLCD1		GRK2		IREB2
	TMPO-AS1		GRK3		IRF4
	TNFAIP3		GTF2A1		ISCU
	TNFSF14		GUCY1B1		ITFG2
	TOB2P1		GUSB		IVNS1ABP
	TSPOAP1		HDAC9		JAML
	TUBG1	2	HELQ		JUN
1	VOPP1		HEXIM1		JUND
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	Z93017.1		HIST3H2A		KDELC2
	ZBTB38		HIVEP1		KHNYN
1	ZFP36	2	HMGB1		KIF1BP
	ZFP36L1		HNRNPA1		KLLN
1	ZNF295-AS1	2	HNRNPC		LCAT
	ZNF395	2	HNRNPF	2	LMBR1L
	ZNF710		HNRNPLL	2	LMNB1
1	ZNF723	2	HS3ST1	2	LOC100431332
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		2	ICOSLG	2	LOC100432121

2   IFNAR2   2   LOC1004334269   2   LI-10RB   2   LOC100434526   2   LI-15RA   2   LOC100434586   2   LI-15RA   2   LOC100434586   2   LI-23A   2   LOC100435022   2   ING1   2   LOC100435623   2   ING90C   2   LOC100435623   2   INP5D   2   LOC100437637   2   INT52   2   LOC100438016   2   ISG20   2   LOC100438016   2   ISG20   2   LOC100438976   3   LOC100438976   3   LOC100438976   3   LOC100438976   3   LOC100438976   3   LOC100438976   3   LOC100439509   3   LOC100439509   3   LOC100439509   3   LOC100440126   3   LOC100440126   3   LOC100440126   3   LOC100440126   3   LOC100440126   3   LOC100440126   3   LOC100445246   3   LOC100445246   3   LOC100445246   3   LOC100445246   3   LOC100445246   3   LOC100647644   3   LOC100647644   3   LOC100647646   3   LOC100647646   3   LOC100647646   3   LOC10064856   3   LOC100448504   3   LOC10061052   3   LOC100448504   3   LOC100610779   3   LOC100448504   3   LOC10061797   3   LOC100448504   3   LOC10061526   3   LOC100448566   3   LOC100448566   3   LOC10064856   3   LOC100448566   3   LOC100645916   3   LOC100449591   3   LOC100445918   3   LOC10045991   3   LOC10045681   3   LOC100457380   3   LOC100457380   3   LOC100457380   3   LOC100457380   3   LOC100457380   3   LOC100457380	2	IENIADO	_	1.00100422557
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2				
2   ING1				
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SISG20				
ITGA4				
2   ITK   2   LOC100438976   2   JMJD1C   2   LOC100439509   2   KCMF1   2   LOC100439509   2   KCMK7   2   LOC100440126   2   KDM2B   2   LOC100441026   2   KDM2B   2   LOC100441025   2   LASP1   2   LOC10044225   2   LMID2   2   LOC100444524   2   LMINA   2   LOC100445246   2   LOC100610052   2   LOC100448507   2   LOC100610052   2   LOC100448507   2   LOC100610779   2   LOC100448507   2   LOC100611503   2   LOC100448568   2   LOC10044858   2   LOC100448560   2   LOC100613826   2   LOC100448586   2   LOC100448586   2   LOC100614745   2   LOC100448586   2   LOC100449062   2   LOC100458564   2   LOC100449918   2   LOC10045991   2   LOC10045981   2   LOC10045982   2   LOC10045982   2   LOC100459831   2   LOC100459831   2   LOC100459831   2   LOC100459831   2   LOC100456834	2	ISG20	2	LOC100438251
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COLONA   C	2	JMJD1C	2	LOC100439509
2 KDM2B       2 LOC100441051         2 KLF3       2 LOC100442225         2 LASP1       2 LOC100444351         2 LIMD2       2 LOC100444522         2 LMNA       2 LOC100445246         2 LOC100608458       2 LOC10047644         2 LOC100610052       2 LOC100448141         2 LOC100611779       2 LOC100448567         2 LOC100611503       2 LOC100448562         2 LOC100613826       2 LOC100448566         2 LOC100614745       2 LOC100449062         2 LOC100615291       2 LOC10049918         2 LOC101058364       2 LOC10045914         2 LOC101059045       2 LOC1004591318         2 LOC101059840       2 LOC100453318         2 LOC104001083       2 LOC10045381         2 LOC104001450       2 LOC100455801         2 LOC10400324       2 LOC100456423         2 LOC104003024       2 LOC100456824         2 LOC104003781       2 LOC100456824         2 LOC1040045730       2 LOC100457330         2 LOC10400457380       2 LOC100457380	2	KCMF1	2	LOC100439906
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2       LASP1       2       LOC100444351         2       LIMD2       2       LOC100445224         2       LMNA       2       LOC100445246         2       LOC100610052       2       LOC100448141         2       LOC100610779       2       LOC100448507         2       LOC100611503       2       LOC100448582         2       LOC100613826       2       LOC100448586         2       LOC100614745       2       LOC100449062         2       LOC100615291       2       LOC100449918         2       LOC101058364       2       LOC100449918         2       LOC101059045       2       LOC100451913         2       LOC104001083       2       LOC10045916         2       LOC104001083       2       LOC10045801         2       LOC104001450       2       LOC10045801         2       LOC104003024       2       LOC100456423         2       LOC104003024       2       LOC100456824         2       LOC104003781       2       LOC100457330         2       LOC1040457330       2       LOC100457330	2	KDM2B	2	LOC100441051
2 LIMD2 2 LOC100445226 2 LMNA 2 LOC100445246 2 LOC100608458 2 LOC100447644 2 LOC100610052 2 LOC100448141 2 LOC100610779 2 LOC100448507 2 LOC100611503 2 LOC100448582 2 LOC100613826 2 LOC100448582 3 LOC100614745 2 LOC100449062 4 LOC100615291 2 LOC100449591 5 LOC101058364 2 LOC100449918 5 LOC101059045 2 LOC10045913 6 LOC101059840 2 LOC100453318 6 LOC104001083 2 LOC10045801 6 LOC104001450 2 LOC10045801 7 LOC104001450 2 LOC10045801 7 LOC104001450 2 LOC10045801 7 LOC104003024 2 LOC100456423 7 LOC104003151 2 LOC100456824 7 LOC104003781 2 LOC100457330 7 LOC104049749 2 LOC10457330	2	KLF3	2	LOC100442225
2	2	LASP1	2	LOC100444351
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LOC462506   LOC112131710	2	LOC462493 2	LOC112129341
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2   LOC466793   2   LOC112132291   2   LOC47884   2   LOC112133785   2   LOC471875   2   LOC4112133907   2   LOC471876   2   LOC4712133910   2   LOC471880   2   LOC4712133910   2   LOC471895   2   LOC112133910   2   LOC471895   2   LOC112134371   2   LOC471904   2   LRIF1   L	2	LOC462506 2	LOC112131710
LOC467884   LOC112133785	2	LOC462508 2	LOC112131749
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2   LOC471876   2   LOC112133910   2   LOC471880   2   LOC112134265   2   LOC471895   2   LOC112134371   2   LOC471904   2   LRIF1   LY75   2   LOC471909   2   LY75   2   LOC471979   2   LY8M7   2   LOC7471979   2   LY8MD2   LY8MD2   LOC744474   2   LY8MD2   LOC7446468   2   MAML2   LOC747300   2   MAP2K3   2   LOC748495   2   MAP3K9   2   LOC748765   2   MED1   LOC749371   2   MED1   LOC749371   2   MED27   LOC749948   2   LOC749948   2   LOC749948   2   LOC749948   2   METTL25   LPXN   2   MGAT2   LPXN   2   MAP2K1   2   MINOS1   LPXN   2   MAP2K1   2   MINOS1   LPXN   2   MAP2K1   2   MINOS1   LPXN   2   MGAT2   LPXN   2   MGAT	2	LOC467884 2	LOC112133785
LOC471880   LOC412134265   LOC412134265   LOC471895   LOC412134371   LOC471904   LRIF1   LOC471909   LY75   LY96   LY96   LY96   LY76   LY96   LY96	2	LOC471875 2	LOC112133907
COC471895   COC412134371   COC471904   COC471904   COC471909   COC471909   COC471909   COC471909   COC471909   COC471979   C	2	LOC471876 2	LOC112133910
COC471904   COC471908   COC471909   COC471909   COC471979   COC4	2	LOC471880 2	LOC112134265
2   LOC471909   2   LY75     2   LOC471979   2   LY96     3   LOC737087   2   LYRM7     4   LOC744474   2   LYSMD2     5   LOC746468   2   MAML2     6   LOC747300   2   MAP2K3     7   LOC748495   2   MAP3K9     8   LOC748740   2   MDFIC     9   LOC748765   2   MED1     1   LOC749371   2   MED27     1   LOC749948   2   METTL25     1   LOC749948   2   MATL25     1   LOC749948   2   MIA     1   LOC749948   3   MIA     1   LOC749948   4   MIA     1   LOC749948   5   MIA     1   LOC749948   6   MIA     1   LOC749948   7   MIA     1   LOC749948   7   MIA     2   MAGOHB   7   MIA     3   MAP2K1   7   MINOS1     4   MARCKSL1   7   MKL1     5   MARCKSL1   7   MMD     6   MOV10   MOV10     7   MOV10   MPHOSPH8	2	LOC471895 2	LOC112134371
2   LOC471979   2   LY96   2   LOC737087   2   LYRM7   2   LOC744474   2   LYSMD2   2   LOC746468   2   MAML2   2   LOC746468   2   MAML2   2   LOC748495   2   MAP2K3   2   LOC748740   2   MDFIC   2   LOC748765   2   MED1   2   LOC749371   2   MED27   2   LOC749371   2   MED27   2   LOC749948   2   METTL25   LPXN   2   MGAT2   LPXN   2   MGAT2   LPXN   2   MIA   2   MAMU-DMA   2   MIA   2   MAP2K1   2   MIA   2   MAP2K1   2   MINOS1   2   MAPCKSL1   2   MKL1   2   MCRS1   2   MMD   2   MMD   3   MIDS   3   MIDS   3   MCUB   2   MOV10   3   MCUB   2   MCHOSPH8   3   MCOSPH8   3   MC	2	LOC471904 2	LRIF1
LOC737087   LYRM7	2	LOC471909 2	LY75
LOC744474   LYSMD2	2	LOC471979 2	LY96
2       LOC746468       2       MAML2         2       LOC747300       2       MAP2K3         3       2       LOC748495       2       MAP3K9         4       2       LOC748740       2       MDFIC         5       2       LOC748765       2       MED1         6       2       LOC749371       2       MED27         7       2       LOC749948       2       METTL25         8       2       LPXN       2       MGAT2         9       MAGOHB       2       MIA         1       2       MAP2K1       2       MINOS1         1       2       MARCKSL1       2       MKL1         2       MCRS1       2       MMD         2       MCUB       2       MOV10         4       MDFIC       2       MPHOSPH8	2	LOC737087 2	LYRM7
2   LOC747300   2   MAP2K3   2   LOC748495   2   MAP3K9   2   LOC748740   2   MDFIC   2   LOC748765   2   MED1   2   LOC749371   2   MED27   2   LOC749948   2   METTL25   LPXN   2   MGAT2   LPXN   2   MGAT2   LPXN   2   MGAT2   LPXN   2   MIA   LPXN   3   MAMU-DMA   2   MIA   LPXN   3   MAP2K1   3   MIA   LPXN   3   MAP2K1   3   MIA   LPXN   3   MAP2K1   3   MINOS1   LPXN   3   MARCKSL1   3   MKL1   MCRS1   3   MCRS1   3   MMD   MCUB   3   MOV10   MCUB   3   MOV10   MCUB   3   MOV10   MPHOSPH8	2	LOC744474 2	LYSMD2
2   LOC748495   2   MAP3K9   2   LOC748740   2   MDFIC   2   LOC748765   2   MED1   2   LOC749371   2   MED27   2   LOC749948   2   METTL25   LPXN   2   MGAT2   LPXN   2   MGAT2   LPXN   2   MIA   LPXN   2   MINOS1   LPXN   2   MAP2K1   2   MINOS1   LPXN   2   MCRS1   2   MMD   LPXN   2   MCRS1   2   MMD   LPXN   2   MCUB   2   MOV10   LPXN   2   MDFIC   2   MPHOSPH8   LPXN   2   MPHOSPH8   L	2	LOC746468 2	MAML2
2 LOC748740 2 MDFIC 2 LOC748765 2 MED1 2 LOC749371 2 MED27 2 LOC749948 2 METTL25 2 LPXN 2 MGAT2 3 MAGOHB 2 MIA 4 MAMU-DMA 2 MIA3 4 MAP2K1 2 MARCKSL1 2 MKL1 5 MCRS1 2 MCRS1 2 MMD 6 MCUB 2 MOV10 6 MPOSPH8	2	LOC747300 2	MAP2K3
2   LOC748765   2   MED1   2   LOC749371   2   MED27   2   LOC749948   2   METTL25   2   LPXN   2   MGAT2   2   MAGOHB   2   MIA   2   MAMU-DMA   2   MIA3   2   MAP2K1   2   MINOS1   2   MARCKSL1   2   MKL1   2   MCRS1   2   MMD   2   MCRS1   2   MMD   2   MCUB   2   MOV10   2   MDFIC   2   MPHOSPH8   3   MCSPH8	2	LOC748495 2	MAP3K9
2 LOC749371 2 MED27 2 LOC749948 2 METTL25 2 LPXN 2 MGAT2 2 MAGOHB 2 MIA 2 MAMU-DMA 2 MIA3 2 MAP2K1 2 MINOS1 2 MARCKSL1 2 MKL1 2 MCRS1 2 MOV10 2 MCUB 2 MOV10	2	LOC748740 2	MDFIC
2 LOC749948 2 METTL25 2 LPXN 2 MGAT2 2 MAGOHB 2 MIA 2 MAMU-DMA 2 MIA3 2 MAP2K1 2 MINOS1 2 MARCKSL1 2 MKL1 2 MCRS1 2 MMD 3 MCRS1 2 MOV10 4 MOV10 5 MDFIC 2 MPHOSPH8	2	LOC748765 2	MED1
2       LPXN       2       MGAT2         2       MAGOHB       2       MIA         3       MAMU-DMA       2       MIA3         4       MAP2K1       2       MINOS1         5       MARCKSL1       2       MKL1         6       MCRS1       2       MMD         7       MCUB       2       MOV10         8       MDFIC       2       MPHOSPH8	2	LOC749371 2	MED27
2       MAGOHB       2       MIA         2       MAMU-DMA       2       MIA3         3       MAP2K1       2       MINOS1         4       MARCKSL1       2       MKL1         5       MCRS1       2       MMD         6       MCUB       2       MOV10         7       MDFIC       2       MPHOSPH8	2	LOC749948 2	METTL25
2       MAMU-DMA       2       MIA3         3       MAP2K1       2       MINOS1         4       MARCKSL1       2       MKL1         5       MCRS1       2       MMD         6       MCB       2       MOV10         7       MDFIC       2       MPHOSPH8	2	LPXN 2	MGAT2
2       MAP2K1       2       MINOS1         2       MARCKSL1       2       MKL1         2       MCRS1       2       MMD         3       MCUB       2       MOV10         4       MDFIC       2       MPHOSPH8	2	MAGOHB 2	MIA
2 MARCKSL1 2 MKL1 2 MCRS1 2 MMD 2 MCUB 2 MOV10 2 MDFIC 2 MPHOSPH8	2	MAMU-DMA 2	MIA3
2 MCRS1 2 MMD 2 MCUB 2 MOV10 MDFIC 2 MPHOSPH8	2	MAP2K1 2	MINOS1
2 MCUB 2 MOV10 2 MDFIC 2 MPHOSPH8	2	MARCKSL1 2	MKL1
2 MDFIC 2 MPHOSPH8	2	MCRS1 2	MMD
	2	MCUB 2	MOV10
	2	MDFIC 2	MPHOSPH8
2 METTL23 2 MPZL1	2	METTL23 2	MPZL1
2 MGLL 2 MRM2	2	MGLL 2	MRM2

2	MITD1 2	MRPL10
		MRPL22
		MRPL35
		MRPL48
		MRPS10
		MRPS14
		MRPS7
		MSGN1
		MTFP1
		MTIF2
		MYB
		MYL6
		MYLIP
		MYO19
		N4BP2L2
2		NACA
2	NEK8 2	NACC1
2	NFKB1 2	NAPA
2	NMBR 2	NCF4
2	NMI 2	NDUFA13
2	NOD2 2	NDUFA9
2	NOP10 2	NDUFAF3
2	NPAT 2	NDUFAF5
2	NSUN3 2	NDUFS4
2	NUP205 2	NECAP2
2	NUP54 2	NEDD9
2	PAG1 2	NEK8
2	PAN2 2	NET1
2	PARP15 2	NFE2L2
2	PARP8 2	NFKB2
2		NFX1
2		NIN
		NKG7
		NR4A3
		NSRP1
		NSUN3
		NSUN4
		NUAK2
		NUP153
		P2RY8
		PAFAH2
		PAN2
		PCYOX1
2	rlukni 2	FUTUAT

2	PLXDC1 2	PDCD1LG2
		PEX2
		PHF11
		PHLDA1
		PIK3CG
		PIM1
		PLGRKT
		PLXDC1
		PNRC1
		PNRC2
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		POLR2A
		POLR3B
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		POLR3GL
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2	PSMA6 2	PPP1R15B
2	PSMB7 2	PPT2
2	PSMB9 2	PPTC7
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2	PTP4A1 2	PRMT1
2	PTPN1 2	PROB1
2	PTPRR 2	PRPSAP2
2	RAB11FIP1 2	PSAP
2	RAB4B 2	PSMD5
2	RAB7A 2	PTGER4
2	RAB8A 2	PTGIR
2	RAC2 2	PTK2B
2	RAPGEF6 2	PTMA
		PUM3
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		RAB29
		RAB8B
		RACK1
		RAPGEF1
		RAPGEF4
		RCSD1
		RDH5
		RELT
		RGS20
		RHOG
		RIC1
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2	RPS6KA3 2	RPL10A
		RPL13A
		RPL18
		RPL23
		RPL27A
		RPL3
		RPL36AL
		RPL37A
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2	SEMA4D 2	RPL7
2	SESN1 2	RPL7A
2	SF3A3 2	RPLP1
2	SFT2D1 2	RPS11
2	SH2D3C 2	RPS13
2	SH3BP1 2	RPS15A
2	SH3BP2 2	RPS19
2	SHF 2	RPS26
2	SHISA5 2	RPS27
2	SHISA8 2	RPS27A
2	SIPA1 2	RPS29
2	SLC25A19 2	RPS3A
2	SLC30A6 2	RPS6
2	SLC35E1 2	RPS8
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2	SLC38A2 2	RUSC2
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		SCFD2
		SCNM1
		SDCCAG8
		SEC11C
		SEC24C
		SEC61A2
		SEMA3B
		SERINC1
		SF3B6
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		SH3BP1
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		SLC35G6
		SLC38A2
		SLC43A3
		SLFN13
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2	TMC8 2	SMG5
2	TMEM107 2	SMG9
2	TMEM138 2	SMIM14
2	TMEM140 2	SNIP1
2	TMEM37 2	SNRPB
2	TNFAIP3 2	SNRPC
2	TNFRSF14 2	SNX11
2	TNFSF10 2	SNX33
2	TNNT3 2	SP100
2	TP53TG5 2	SP140L
2	TP73 2	SPERT
2	TPI1 2	SRA1
2	TRIM41 2	SRFBP1
2	TRIM8 2	SRI
2	TSPAN33 2	SRP19
2	TTC32 2	SRSF2
		SRSF7
		SSBP1
		STK10
		STK17B
		STPG1
		STX6
		SUCO
		SYNPO2L
		TAF11
		TAF13
		TAF5
		TAPBP
		TCF3
		TCF4
		TESK2
		TFB2M
2	WBP4 2	TFEB

2	WRAP53 2	TGOLN2
		THAP2
	-	TIGD4
		TIMM8B
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		TLR1
		TMCC2
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		TMEM168
		TMEM18
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1	ABCA7 2	TNFSF9
1	ABCB4 2	TNRC6B
1	ACBD4 2	TOMM5
1	ACSS1 2	TOPORS
1	ACTA1 2	TP53TG5
1	ACTR3 2	TRA2B
1	ACTRT3 2	TRAPPC6B
1	ADAM22 2	TRIM23
1	ADAMTS4 2	TRIM7
1	ADAMTS6 2	TRIM8
1	ADCY7 2	TRIP4
1	ADGRE2 2	TRPM7
1	ADGRE5 2	TRUB2
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		ACTR1A
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		ACY3
		ADAD2
		ADAMTS8
		ADAP1
		ADARB1
		ADGRF3
		ADGRG1
		ADO
		ADORA3
		ADRB2
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1	DAGO	AUCILI

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1	BIN3 1	ALG14
1	BLK 1	ALOX5AP
1	BLOC1S4 1	AMD1
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1	BTD 1	AMZ2
1	BTNL2 1	ANAPC15
1	BTRC 1	ANG
1	BUB1 1	ANKLE2
1	BUB1B 1	ANKRA2
1	BUD31 1	ANKRD33B
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1	C12H12orf77 1	ANO6
1	C15H15orf62 1	ANP32E
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		APBB1IP
		APEX1
		API5
		APOBR
		APOC2
		APOL6
		APOM
		ARAP1
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		ARF4
		ARFRP1
		ARGLU1
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1	CCL13 1	ARMC7
1	CCNC 1	ARMT1
1	CCNL1 1	ARNTL2
1	CCR4 1	ARPC2
1	CD55 1	ARPC5
1	CD72 1	ARPC5L
1	CD81 1	ASAH1
1	CD84 1	ASB4
1	CD86 1	ASB8
1	CDC16 1	ATAD2B
1	CDC27 1	ATF6
1	CDC42EP4 1	ATF7IP
1	CDC42SE1 1	ATG3
1	CDC5L 1	ATG7
1	CDK12 1	ATN1
1	CDK14 1	ATP23
1	CDK6 1	ATP5F1B
1	CDYL 1	ATP5PB
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1	CELA1 1	ATP5PF
1	CELF1 1	ATP5PO
1	CENPM 1	ATP6V0E1
1	CEP120 1	ATP8B4
1	CEP135 1	ATXN7L3B
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		B3GNT7
		B4GALT1
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		BAG6
		BAK1
		BANF1
		BCAR3
		BCAS2
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1	CLNK 1	BHLHA15
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1	CLTC 1	BMP2K
1	CNN2	BMP5
1	CNPY3	BMS1
1	CNR1 1	BRF2
1	COASY 1	BRMS1
1	COLGALT1 1	BROX
1	COQ2 1	BTBD19
1	CORO1A 1	BTD
1	COX17 1	BTF3
1	COX6A1 1	BTN2A1
1	CPA5 1	BUB1B
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1	CPNE5 1	C11H11orf54
1	CPNE8 1	C12H12orf49
1	CPSF4L 1	C16H16orf90
1	CR1 1	C17H17orf75
1	CRK 1	C17H17orf78
1	CRYAA 1	C18H18orf32
1	CRYZ 1	C1D
1	CTDNEP1 1	C1H1orf162
1	CWC25 1	C1H1orf43
1	CX3CR1 1	C1H1orf74
1	CXCL16 1	C2
1	CXCL17 1	C2AH2orf42
1	CXCR6 1	C3H3orf20
1	CYB561A3 1	C3H3orf52
1	DALRD3 1	C6H6orf226
1	DAND5 1	C6H6orf52
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1	DCAF11 1	C8H8orf37
1	DCAF6 1	C9H9orf72
1	DEFB136 1	CACFD1
1	DEGS1 1	CACYBP
1	DENND2D 1	CALR
		CALR CAMK2D

1 05004	4 041104
1 DEPP1	1 CAND1
1 DHRS3	1 CAPS2
1 DLG1	1 CARM1
1 DMXL2	1 CASP9
1 DNAH1	1 CASQ1
1 DNAJB12	1 CBX5
1 DNAJB14	1 CCDC107
1 DNAJB4	1 CCDC114
1 DNAJC18	1 CCDC115
1 DNM2	1 CCDC124
DOCK8	1 CCDC15
1 DPCD	1 CCDC155
1 DPM3	1 CCDC158
1 DRAM1	1 CCDC28B
1 DRD4	1 CCDC6
1 DTNB	1 CCDC83
1 DTNBP1	1 CCL17
1 DTX3L	1 CCM2
DUSP10	1 CCR4
DUSP12	1 CCR6
1 E2F2	1 CCR8
1 EAPP	1 CCT6A
1 EBF1	1 CCT8
1 EEF2	1 CD22
1 EGFLAM	1 CD248
1 EHD1	1 CD3G
1 EIF2D	1 CD44
1 EIF2S1	1 CD47
1 EIF4G2	1 CD48
1 ELF4	1 CD55
1 ELK3	1 CD96
1 EMG1	1 CD99
1 ENDOU	1 CDC123
1 EPC1	1 CDC20B
1 EPSTI1	1 CDC26
1 ERAP2	1 CDC5L
1 ERCC5	1 CDC6
1 ERGIC1	1 CDIPT
1 ERMN	1 CDK12
1 ERO1B	1 CDK5
1 ERP29	1 CDK6
1 ETFBKMT	1 CDK9
1 ETV6	1 CDKN1A

1 EVI2A	1 CDKN2AIPNL
1 EVI2B	1 CEACAM16
1 EZR	1 CENPP
1 F11R	1 CEP19
1 F379	1 CEP68
1 FAM110B	1 CETN3
1 FAM111B	1 CETP
1 FAM117A	1 CFAP298
1 FAM120A	1 CFAP58
1 FAM189B	1 CFB
1 FAM200B	1 CFL1
1 FAM213B	1 CGAS
1 FAM220A	1 CHMP2A
1 FAM222B	1 CHMP4B
1 FAM53B	1 CHRNB2
1 FAM57B	1 CHST15
1 FAM69A	1 CIP2A
1 FAM71B	1 CIRBP
1 FANCA	1 CITED2
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1 FBXO31	1 CLDN14
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1 FCRL4	1 CLIC3
1 FCRLB	1 CLIC5
1 FEM1C	1 CLK2
1 FEN1	1 CLN3
1 FERMT3	1 CLN5
1 FGD2	1 CLNK
1 FGF2	1 CLPTM1
1 FGFBP2	1 CLTA
1 FGL2	1 CLUAP1
1 FIG4	1 CMAH
1 FMC1	1 CMPK1
1 FMNL1	1 CMTM6
1 FNIP2	1 CNN2
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1 FOXO3	1 CNPY3
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1 GABARAP	1 COPS4

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	I GGPS1	CRYZ
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	I GJD3	CTSC
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	I GMPPB	DALRD3
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	I GOLT1B	DCAF13
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		DDX6

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1	HSPA8 1	DTX2
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		ECSCR
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		LDHC
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1 PLA2G4C	1 LRRC32
1 PLCD3	1 LRRC71
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1 PLK1	1 LRRN4CL
1 PLVAP	1 LSM4
1 PNRC1	1 LTA
1 POGLUT1	1 LTN1
1 POLDIP3	1 LUZP1
1 POLG	1 LYN
1 POLQ	1 LYST
1 POLR2A	1 MACO1
1 POU2F1	1 MAN2A1

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1 PR	RDM2 1	MBD2
1 PR	REX1 1	MBL2
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1 PR	ROB1 1	MED29
1 PR	RPF40B 1	MED7
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1 PR	RR13 1	MEF2D
1 PR	RR5 1	METTL15
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		MOB3A
		MOGS
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1 RA		MPEG1
		MPV17L2
		MRAS

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		P2RY2
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1	TAF1D 1	PLAU
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		PPP1R12A
	HAT	
		PPP1R18

4	TI D40	DDD4D0
		PPP1R2
		PPP1R8
		PPP1R9B
		PPP4R3B
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1	TMEM167B 1	PRDM2
1	TMEM175 1	PRDX3
1	TMEM216 1	PRELP
1	TMEM242 1	PRKCB
1	TMEM243 1	PRMT5
1	TMEM252 1	PRND
1	TMEM259 1	PRPF18
1	TMEM268 1	PRPF19
1	TMEM39A 1	PRPF4
1	TMEM69 1	PRPF40B
1	TMEM88 1	PRR7
1	TMEM91 1	PRRC2A
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1	TMPRSS13 1	PSMA3
1	TMPRSS3 1	PSMB1
1	TMSB10 1	PSMB3
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1	TNFRSF10B 1	PSMB9
1	TNFRSF13B 1	PSMD3
1	TNFRSF1B 1	PSMD9
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1	TNIP2 1	PSTPIP1
1	TNRC6B 1	PTAFR
		PTEN
		PTGER2
		PTGES2
		PTH2
		PTMS
		PTP4A1
		PTPN2
		PTPN6
		PTPRCAP
		PTRH2
		PTS
		PVRIG
		RAB10
		RAB11A
	IIMII I	ועסווא

	TD 4 DD 0.5	DAD40
		RAB12
	-	RAB21
		RAB24
1	TRPV2 1	RAB26
1	TSEN34 1	RAB34
1	TSHR 1	RAB35
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1	TSPYL4 1	RAB40B
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1	TTC14 1	RAB4B
1	TTC31 1	RAB8A
1	TTC39A 1	RABEP2
1	TTC7A 1	RABGGTB
1	TTF2 1	RAD23A
1	TTI2 1	RAD50
1	TUBA8 1	RAD9A
1	TUBG2 1	RALY
1	TVP23A 1	RANBP3
1	TXNDC11 1	RAP1A
1	TYK2 1	RAP2B
1	UBASH3A 1	RAPGEF6
1	UBB 1	RARS
1	UBE2L6 1	RASGRP4
1	UBE2Q1 1	RASSF5
1	UBE4A 1	RB1
1	UCHL5 1	RBM12B
1	UCP2 1	RBM19
1	UMAD1 1	RBM23
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		RBM39
		RCC1
		RDH11
		RECQL
		RELA
		REV3L
		RFX5
		RFX7
		RGL1
		RGL2
		RGS13
		RGS14
		RGS2
		RHOD
1	VVDI 14	MIOD

1	WDR25 1	RHOF
		RHOH
		RICTOR
		RIN1
		RIOK2
		RMND1
		RNASET2
		RNF145
		RNF207
		RNF24
1		RNF38
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1	ZBTB45 1	RPL12
1	ZBTB6 1	RPL22
1	ZC3H14 1	RPL26
1	ZC3HAV1 1	RPL29
1	ZCCHC14 1	RPL31
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1	ZNF217 1	RPL9
1	ZNF33A 1	RPRD1B
1	ZNF425 1	RPRD2
1	ZNF460 1	RPS12
1	ZNF574 1	RPS14
1	ZNF576 1	RPS16
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1	ZNF627 1	RPS20
1	ZNF652 1	RPS5
		RPS7
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		RRP12
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		RSPH1
		RSRP1
		RTKN2
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		RTP3
		RUFY1
		RWDD2B
	1	L M D D S B

	1	RXFP4
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		S100A11
		SACM1L
		SAMD4B
		SAMD8
		SAP30
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		SCARB1
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		SCGB1C1
	1	SCIMP
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	1	SELENOT
	1	SELPLG
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	1	SENP2
	1	SEPT2
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	1	SERHL2
	1	SERTAD1
	1	SERTAD2
	1	SETD1B
	1	SETDB1
	1	SETDB2
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		SF3A3
		SF3B1
		SF3B3
		SF3B4
		SF3B5
		SFPQ
		SFXN2
		SGMS2
		SH3BP5L
		SHB
		SHISAL2A
		SHISALZA SIK3
	1	SIM1

1 SLA 1 SILANI 1 SILC12A4 1 SIC16A5 1 SIC16A6 1 SIC16A6 1 SIC1A4 1 SIC1A5 1 SIC25A11 1 SIC25A11 1 SIC25A32 1 SIC26A8 1 SIC26A8 1 SIC2A6 1 SIC3A1 1 SIC33A1 1 SIC33A1 1 SIC33A1 1 SIC33A1 1 SIC35A5 1 SIC36A4 1 SIC37A1 1 SIC37A1 1 SIC37A1 1 SIC37A1 1 SIC3A2 1 SIC3A2 1 SIC3A2 1 SIC3A2 1 SIC3A4 1 SIC3A2 1 SIC3A4 1 SIC3A2 1 SIC3A2 1 SIC3A2 1 SIC3A2 1 SIC3A2 1 SIC7A5 1 SIC7A5 1 SIC7A5 1 SIC7A5 1 SIC7A6 1		1	SIT1
1 SLAIN1 1 SLC12A4 1 SLC16A5 1 SLC16A5 1 SLC1A4 1 SLC1A5 1 SLC25A11 1 SLC25A12 1 SLC26A8 1 SLC26A8 1 SLC26A8 1 SLC3AA1 1 SLC3AA1 1 SLC3AA1 1 SLC3A5 1 SLC3AA1 1 SLC3AA			
1 SLC12A4 1 SLC16A5 1 SLC1A4 1 SLC1A5 1 SLC2A11 1 SLC25A11 1 SLC25A12 1 SLC26A8 1 SLC2A6 1 SLC2A6 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A7 1 SLC3A6 1 SLC3A7 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A7 1 SLC3A6 1 SLC3A7 1 SLC3A6 1 SLC7A6 1 SL			
1 SLC16A5 1 SLC1A5 1 SLC1A5 1 SLC2A11 1 SLC2SA12 1 SLC2SA32 1 SLC2A6 1 SLC2A6 1 SLC2A6 1 SLC3A6 1 SLC3A7 1 SLC3A7 1 SLC3A7 1 SLC3A7 1 SLC3A7 1 SLC3A7 1 SLC3A6 1 SLC4A6 1 SLC4A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAP2 1 SMAPC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNCG 1 SNCG 1 SNCG 1 SNCG 1 SNCS3 1 SNCS3 1 SNCS3 1 SNCS3 1 SNCS3 1 SOCS3 1 SOCS3 1 SOCS3 1 SOCS1 1 SPAG6 1 SPAG6 1 SPATA1			
1 SLC1A4 1 SLC1A5 1 SLC2A11 1 SLC25A12 1 SLC26A8 1 SLC26A8 1 SLC2A6 1 SLC2A6 1 SLC3A1 1 SLC3A6 1 SLC3A7 1 SLC3A6 1 SLC3FA1 1 SLC3FA1 1 SLC3A2 1 SLC4A2 1 SLC7A5 1 SLC7A5 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAP2 1 SMAP2 1 SMAP2 1 SMAP2 1 SMC2 1 SMUI 1 SNAC5 1 SMC2 1 SMC2 1 SMC2 1 SMC9 1 SNC6 1 SNC6 1 SNC6 1 SNC6 1 SNC75 1 SNC8 1 SNC9 1 SNC9 1 SNC9 1 SNC2 1 SNC9 1 SOCS3 1 SOCS1 1 SPAT1 1 SPAG5 1 SPAT41 1 SPAG5 1 SPATA11 1 SPATA12 1 SPATA12			
1 SLC25A11 1 SLC25A32 1 SLC25A32 1 SLC26A8 1 SLC26A8 1 SLC3A4 1 SLC3A6 1 SLC3A6 1 SLC35A5 1 SLC35A5 1 SLC35A5 1 SLC35A6 1 SLC35A1 1 SLC35A1 1 SLC35A1 1 SLC35A1 1 SLC3A2 1 SLC3A2 1 SLC3A2 1 SLC3A2 1 SLC7A5 1 SLC7A5 1 SLC7A5 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAP2 1 SMAP2 1 SMAP2 1 SMC2 1 SMU1 1 SMC6 1 SMC9 1 S			
1   SLC25A11   1   SLC25A32   1   SLC26A8   1   SLC26A8   1   SLC26A8   1   SLC2A6   1   SLC2A6   1   SLC3A6   1   SLC3A6   1   SLC3A6   1   SLC3A5   1   SLC36A4   1   SLC36A4   1   SLC36A4   1   SLC36A4   1   SLC37A1   1   SLC3A2   1   SLC3A2   1   SLC3A2   1   SLC4A2   1   SLC7A5   1   SLC7A5   1   SLC7A5   1   SLC7A5   1   SLC7A6   1   SLC7A6   1   SLC7A6   1   SLC7A6   1   SMAP2   1   SMAPC1   1   SMAPC1   1   SMC2   1   SMU1   1   SMC2   1   SMC2   1   SMC3   1   SNCG   1			
1 SLC25A32 1 SLC26A8 1 SLC2A6 1 SLC2A6 1 SLC3A6 1 SLC3SA1 1 SLC3SA5 1 SLC36A4 1 SLC36A4 1 SLC36A4 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A6 1 SLC3A2 1 SLC3A2 1 SLC7A11 1 SLC7A11 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SMAP2 1 SMAP2 1 SMAPC1 1 SMC2 1 SMU1 1 SNCG 1 SMU1 1 SNCG 1 SNCG 1 SNCG 1 SNCG 1 SNCS3 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG5 1 SPAG5 1 SPATA12 1 SPATA12 1 SPATA12			
1 SLC2648 1 SLC2A4 1 SLC2A6 1 SLC3A6 1 SLC3A6 1 SLC35A5 1 SLC35A5 1 SLC36A4 1 SLC37A1 1 SLC38A1 1 SLC3A2 1 SLC3A2 1 SLC4A2 1 SLC7A6 1 SLC7A5 1 SLC7A6 1 SNAP2 1 SMAPC1 1 SMAPC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNC2 1 SNC3 1 SNC4 1 SNC3 1 SNC3 1 SOC3 1 SPAG6 1 SPAG6 1 SPAG6 1 SPAG6 1 SPATA12 1 SPATA12			
1 SLC2A4 1 SLC2A6 1 SLC3A3A1 1 SLC3A5 1 SLC3A6 1 SLC36A4 1 SLC36A4 1 SLC3A2 1 SLC3A2 1 SLC4A2 1 SLC7A5 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAPC1 1 SMAPC1 1 SMAPC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNCCG 1 SNC			
1 SLC2A6 1 SLC3A1 1 SLC3A5 1 SLC35A5 1 SLC36A4 1 SLC37A1 1 SLC37A1 1 SLC38A1 1 SLC38A1 1 SLC4A2 1 SLC7A6 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAPC 1 SMC2 1 SMU1 1 SNAPC5 1 SNAPC5 1 SNAPC5 1 SNAPC5 1 SNX29 1 SNX29 1 SNX22 1 SNX29 1 SOC3 1 SNX22 1 SNX21 1 SOC3 1 SORT1 1 SPAG1 1 SPAG5 1 SPAG5 1 SPATA12 1 SPATA12 1 SPATA124 1 SPATA124			
1 SLC33A1 1 SLC35A5 1 SLC35A5 1 SLC36A4 1 SLC38A1 1 SLC38A1 1 SLC38A2 1 SLC4A2 1 SLC7A5 1 SLC7A11 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAPC 1 SMAPC 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNCG 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOCS3 1 SOD2 1 SORT1 1 SPAG1 1 SPAG1 1 SPATA12 1 SPATA12 1 SPATA12			
1 SLC35A5 1 SLC36A4 1 SLC36A4 1 SLC37A1 1 SLC38A1 1 SLC38A1 1 SLC38A2 1 SLC4A2 1 SLC7A5 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAP2 1 SMAP2 1 SMAP2 1 SMAP2 1 SMC2 1 SMU1 1 SNCG			
1 SLC36A4 1 SLC37A1 1 SLC37A1 1 SLC38A1 1 SLC3A2 1 SLC4A2 1 SLC7A5 1 SLC7A5 1 SLC7A6 1 SLC9A8 1 SLC9A8 1 SMAP2 1 SMAPC 1 SMAPC 1 SMAPC 1 SMC2 1 SMU1 1 SNAC6 1 SNCG 1 SNCG 1 SNCG 1 SNCG 1 SNX29 1 SOC3 1 SOC3 1 SOC3 1 SOC3 1 SOC5 1 SOC6 1 SOC7 1 SOC7 1 SOC7 1 SOC7 1 SOC7 1 SOC7 1 SPAG6 1 SPAG6 1 SPAG6 1 SPATA12 1 SPATA12			
1 SLC37A1 1 SLC3A2 1 SLC3A2 1 SLC4A2 1 SLC7A6 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAPC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNAPC5 1 SNAPC5 1 SNCG 1 SNCG 1 SNX29 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPATA12 1 SPATA12 1 SPATA12 1 SPATA24 1 SPATA24			
1 SLC3841 1 SLC3A2 1 SLC4A2 1 SLC7A5 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAPC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNAPC5 1 SNCG 1 SNRP200 1 SNX22 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA12 1 SPATA24 1 SPATA24			
1 SLC3A2 1 SLC4A2 1 SLC7A11 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMAP2 1 SMARCC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNCG 1 SNCG 1 SNCS 1 SNX22 1 SNX29 1 SOCS3 1 SOCS3 1 SOCS3 1 SOCS1 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA24 1 SPATA24			
1 SLC4A2 1 SLC7A11 1 SLC7A5 1 SLC7A6 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMARCC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNNPD200 1 SNX22 1 SNX29 1 SOCS3 1 SOCS3 1 SOCS1 1 SPAG1 1 SPATA12 1 SPATA24 1 SPATA24 1 SPATA24			
1 SLC7A11 1 SLC7A5 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMARCC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNRNP200 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SOCS1 1 SOST 1 SPAG1 1 SPATA12 1 SPATA12 1 SPATA24 1 SPATA33			
1 SLC7A5 1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMARCC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNRP200 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOCS3 1 SOCS3 1 SOCS1 1 SOST 1 SPAG1 1 SPATA12 1 SPATA12 1 SPATA24 1 SPATA33			
1 SLC7A6 1 SLC9A8 1 SMAP2 1 SMARCC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNRP200 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOCS3 1 SOCS3 1 SOCS1 1 SORT1 1 SOST 1 SPAG1 1 SPATA12 1 SPATA12 1 SPATA24 1 SPATA33			
1 SLC9A8 1 SMAP2 1 SMARCC1 1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNRP200 1 SNRV20 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA33		1	SLC7A5
1 SMAP2 1 SMARCC1 1 SMC2 1 SMU1 1 SMU1 1 SNAPC5 1 SNCG 1 SNRNP200 1 SNX29 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA33		1	SLC7A6
1 SMARCC1 1 SMC2 1 SMU1 1 SMU1 1 SNAPC5 1 SNCG 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33		1	SLC9A8
1 SMC2 1 SMU1 1 SNAPC5 1 SNCG 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33		1	SMAP2
1 SMU1 1 SNAPC5 1 SNAPC5 1 SNCG 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33		1	SMARCC1
1 SNAPC5 1 SNCG 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA33		1	SMC2
1 SNCG 1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPATA1 1 SPATA12 1 SPATA33		1	SMU1
1 SNRNP200 1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33		1	SNAPC5
1 SNX22 1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33		1	SNCG
1 SNX29 1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33		1	SNRNP200
1 SOCS3 1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33		1	SNX22
1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA1 1 SPATA24 1 SPATA33		1	SNX29
1 SOD2 1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA1 1 SPATA24 1 SPATA33		1	SOCS3
1 SORT1 1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33			
1 SOST 1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA1 1 SPATA24 1 SPATA33		1	SORT1
1 SPAG1 1 SPAG5 1 SPATA1 1 SPATA1 1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33			
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1 SPATA1 1 SPATA12 1 SPATA24 1 SPATA33			
1 SPATA12 1 SPATA24 1 SPATA33			
1 SPATA24 1 SPATA33			
1 SPATA33			
I SPHK7			SPHK2

	1	SPN
		SPR
		SPRED2
		SPRYD4
		SPTLC3
		SPTY2D1
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		SRRM1
		SRRT
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		SS18L2
		SSBP2
		SSBP3
		SSC5D
	1	ST13
	1	ST7
	1	ST8SIA1
	1	STARD4
	1	STAT6
	1	STBD1
	1	STEAP3
	1	STIL
	1	STK17A
	1	STK38L
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	1	STMN1
	1	STX3
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		SWAP70
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		TAF1D
		TAF8
		TAP1
		IAFI

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		TBCK
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		TCTLX1D4
		TCTN1
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		TEX46
		TEX9
		TFAM
		THADA
		THADA
		THUMPD3
		TICAM1
		TIGIT
		TIMM10
		TINF2
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		TLR10
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		TMEM116
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		TNFRSF1B
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		TNFRSF6B
		TNFSF14
		TNFSF4
		TNFSF8
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		TNPO2
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	1	TOMM40
	1	TOP2B
	1	TOR1AIP1
	1	TOR2A
	1	TOX2
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	1	TPCN2
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		TPR
		TPT1
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		TRAF3
		TRAF3IP3
		TRAF4
		TRAF7
		TRAK1
		TRANK1
		TRAPPC3
		TRAPPC8
		TREX1
		TRIB1
	1	TRIM22
	1	TRIM31
	1	TRIM35
	1	TRIM52

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		TRMT10C
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		TSPAN5
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		TTC30B
		TTC31
		TTC39C
		TTF2
		TUBA8
		TUBG2
	1	TUT1
	1	TXN
	1	TXNDC11
	1	TXNDC9
	1	TYMS
	1	TYW3
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	1	UBA3
	1	UBAC2
	1	UBAP2L
	1	UBASH3A
	1	UBD
		UBE2G1
		UBE2J1
		UBE2M
		UBE2Q1
		UBE2Z
		UBE4A
		UBL3
		UBL5
		UBL7
		UBN2
		UBP1
		UBR4
		UBXN1
		UCHL5
	1	UHRF2

	1	UNC119
		UNC45B
		UNK
		UPP1
		UQCR
		UQCRB
		UQCRQ
		USF1
		USP1
		USP16
		USP21
		USP48
		USP53
	1	USPL1
	1	UTP15
	1	UXS1
	1	VAMP2
	1	VAMP5
	1	VASP
	1	VEGFA
	1	VIM
	1	VOPP1
	1	VPS26A
	1	VPS35L
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		VPS50
		VPS72
		VSIG4
		VSIR
		VTA1
		WASHC5
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		WBP1
		WDR19
		WDR55
		WDR75
		WDR77
		WHAMM
		WISP3
		WNK1
		WNK4
		WNT10A
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		YME1L1
		YPEL3
		ZBED1
		ZBED8
		ZBTB10
		ZBTB11
		ZBTB37
		ZBTB45
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	1	ZC3H4
	1	ZC3HAV1
	1	ZCCHC2
	1	ZCCHC8
	1	ZEB1
	1	ZFAND3
	1	ZFAND5
	1	ZFAT
	1	ZFP37
	1	ZFYVE27
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		ZNF627
		ZNF638
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		ZP3
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		1	ZRANB2
		1	ZSCAN12
		1	ZSCAN16