

**TABLE S3A Common and distinct genes altered in MM cells following knockdown of GRWD1, WDR5 and MLL2**

GRWD1	WDR5	MLL2	GRWD1&WDR5	GRWD1&MLL2	WDR5&MLL2	GRWD1&WDR5&MLL2
AABR07000658.1	AABR07000222.1	AABR07000222.1	AABR07000658.1	AABR07000658.1	AABR07000658.1	AABR07000658.1
AABR07001512.1	AABR07000658.1	AABR07000658.1	AABR07001512.1	AABR07001512.1	AABR07001512.1	AABR07001512.1
AABR07002564.1	AABR07001512.1	AABR07001389.1	AABR07002564.1	AABR07002564.1	AABR07002564.1	AABR07002564.1
AABR07005838.1	AABR07002564.1	AABR07001512.1	AABR07005838.1	AABR07005838.1	AABR07002711.1	AABR07005838.1
AABR07007134.1	AABR07002711.1	AABR07002564.1	AABR07010705.1	AABR07010705.1	AABR07002774.4	AABR07015180.1
AABR07010705.1	AABR07002774.4	AABR07002711.1	AABR07013288.4	AABR07013288.4	AABR07004269.4	AABR07026311.1
AABR07011697.1	AABR07003537.1	AABR07002774.4	AABR07015180.1	AABR07015180.1	AABR07005838.1	AABR07028352.1
AABR07012129.1	AABR07004269.4	AABR07004269.4	AABR07025328.1	AABR07025328.1	AABR07007690.1	AABR07044366.1
AABR07013288.4	AABR07005004.1	AABR07004881.1	AABR07026311.1	AABR07036855.1	AABR07012575.1	AABR07049223.1
AABR07015006.1	AABR07005838.1	AABR07005838.1	AABR07026797.1	AABR07044273.1	AABR07015180.1	AABR07053516.1
AABR07015180.1	AABR07007690.1	AABR07006860.2	AABR07027753.3	AABR07044366.1	AABR07018244.2	AABR07055919.1
AABR07019399.1	AABR07007758.2	AABR07007690.1	AABR07028352.1	AABR07028352.1	AABR07024500.1	AABR07062599.1
AABR07021384.1	AABR07010041.1	AABR07008097.1	AABR07038926.1	AABR07049695.3	AABR07025301.1	AABR07068852.1
AABR07021596.4	AABR07010705.1	AABR07009357.2	AABR07038948.2	AABR07053516.1	AABR07025787.1	AABR07072853.1
AABR07025328.1	AABR07012100.2	AABR07011697.1	AABR07044366.1	AABR07055919.1	AABR07026311.1	AC115273.1
AABR07026302.1	AABR07012575.1	AABR07011996.1	AABR07044959.1	AABR07062599.1	AABR07026424.1	AC129365.1
AABR07026311.1	AABR07013288.4	AABR07012054.1	AABR07049223.1	AABR07068852.1	AABR07027811.2	Adrb2
AABR07026797.1	AABR07013701.1	AABR07012575.1	AABR07053516.1	AABR07072853.1	AABR07028352.1	Ahcy
AABR07027744.1	AABR07014550.1	AABR07012795.1	AABR07055919.1	AC115273.1	AABR07030647.1	Alyref
AABR07027753.3	AABR07014756.1	AABR07013255.1	AABR07055919.2	AC127920.1	AABR07032480.1	Anapc15
AABR07028352.1	AABR07014836.1	AABR07014804.1	AABR07062599.1	AC129365.1	AABR07033023.1	Ankrd49
AABR07029613.1	AABR07014996.1	AABR07015180.1	AABR07066944.1	AY172581.21	AABR07033047.1	Anp32e
AABR07030162.1	AABR07015180.1	AABR07018058.1	AABR07068127.1	Adamts4	AABR07038269.1	Arhgap11a
AABR07032523.1	AABR07017999.1	AABR07018244.2	AABR07068316.1	Adrb2	AABR07043654.1	Asf1b
AABR07033745.1	AABR07018244.2	AABR07019399.1	AABR07068852.1	Ahcy	AABR07044366.1	Aspm
AABR07034263.1	AABR07019341.1	AABR07021734.1	AABR07072853.1	Aida	AABR07044420.2	Atad2
AABR07034362.1	AABR07024500.1	AABR07024500.1	AC112350.1	Alyref	AABR07044940.1	Atad5
AABR07034767.1	AABR07024593.2	AABR07024972.1	AC115273.1	Anapc15	AABR07046628.1	Aurka
AABR07035541.3	AABR07025301.1	AABR07025301.1	AC119015.4	Ankrd49	AABR07049223.1	Aurkb
AABR07036855.1	AABR07025328.1	AABR07025787.1	AC129365.1	Anln	AABR07053516.1	B2m
AABR07037203.1	AABR07025787.1	AABR07026311.1	AC130391.5	Anp32b	AABR07053707.1	Bard1
AABR07038926.1	AABR07026311.1	AABR07026424.1	AC134224.3	Anp32e	AABR07055834.1	Birc5
AABR07038948.2	AABR07026424.1	AABR07027407.1	Abhd4	Arhgap11a	AABR07055919.1	Bicap
AABR07043951.1	AABR07026797.1	AABR07027810.4	Adamts1	Arl2bp	AABR07058464.1	Bora
AABR07044273.1	AABR07027009.1	AABR07027811.2	Adrb2	Asf1b	AABR07059171.1	Borcs6
AABR07044366.1	AABR07027575.1	AABR07028027.1	Aen	Aspm	AABR07060291.1	Brca1
AABR07044574.1	AABR07027753.3	AABR07028352.1	Ahcy	Atad2	AABR07060593.1	Bub1
AABR07044711.1	AABR07027811.2	AABR07029195.1	Alg8	Atad5	AABR07062599.1	Bub1b
AABR07044959.1	AABR07028349.1	AABR07029198.1	Alyref	Aurka	AABR07063829.2	Cbx3
AABR07049038.1	AABR07028352.1	AABR07029958.2	Anapc15	Aurkb	AABR07066516.1	Ccn4
AABR07049223.1	AABR07028779.1	AABR07029970.1	Ankrd1	B2m	AABR07066529.1	Ccna2
AABR07049353.1	AABR07029198.1	AABR07030647.1	Ankrd49	Bard1	AABR07067526.1	Ccnb1
AABR07049578.1	AABR07029958.1	AABR07031972.1	Anp32e	Birc5	AABR07067600.1	Ccne1
AABR07049695.2	AABR07030019.1	AABR07032480.1	Ap5b1	Bicap	AABR07068417.2	Ccne2
AABR07049695.3	AABR07030156.2	AABR07032856.1	Apol9a	Bora	AABR07068852.1	Ccnf
AABR07053516.1	AABR07030494.1	AABR07033023.1	Apold1	Borcs6	AABR07069282.1	Cdc20
AABR07055919.1	AABR07030603.1	AABR07033047.1	Arhgap11a	Brca1	AABR07072133.1	Cdc25b
AABR07055919.2	AABR07030603.2	AABR07035383.1	Arpin	Bub1	AABR07072853.1	Cdc45
AABR07057302.1	AABR07030647.1	AABR07035486.1	Asf1b	Bub1b	AC094126.2	Cdc6
AABR07058514.3	AABR07030861.1	AABR07036855.1	Aspm	Card19	AC094643.2	Cdc7
AABR07058534.1	AABR07030911.2	AABR07037356.1	Atad2	Cbx3	AC095390.1	Cdca2
AABR07060293.1	AABR07031089.1	AABR07038019.1	Atad5	Ccdc17	AC098125.3	Cdca3
AABR07061902.1	AABR07031666.1	AABR07038269.1	Atxn7l3b	Ccn4	AC105515.1	Cdca4
AABR07062477.2	AABR07031675.1	AABR07038895.2	Aurka	Ccna2	AC115273.1	Cdca7
AABR07062599.1	AABR07032480.1	AABR07038939.1	Aurkb	Ccnb1	AC119762.5	Cdca8
AABR07064634.1	AABR07032751.1	AABR07039307.1	B2m	Ccne1	AC123425.1	Cdk1
AABR07065113.1	AABR07033023.1	AABR07041078.1	Bard1	Ccne2	AC129365.1	Cdk2
AABR07066944.1	AABR07033047.1	AABR07042301.1	Becn1	Ccnf	AC133265.1	Cdkn1a
AABR07068127.1	AABR07034315.1	AABR07043654.1	Bhlhe41	Cdc20	AC136867.1	Cdkn2c
AABR07068316.1	AABR07034573.1	AABR07044273.1	Birc5	Cdc25b	AY172581.8	Cdt1
AABR07068852.1	AABR07035539.1	AABR07044366.1	Bicap	Cdc45	Aaas	Centpa
AABR07069433.1	AABR07035541.2	AABR07044420.2	Bora	Cdc6	Actr1b	Centpe
AABR07072853.1	AABR07035780.4	AABR07044635.1	Borcs6	Cdc7	Adrb2	Centpf
AABR07072916.1	AABR07035796.1	AABR07044940.1	Brca1	Cdca2	Ahcy	Centph
AC097153.2	AABR07036247.1	AABR07046628.1	Brca2	Cdca3	Akt1	Centpk
AC106191.1	AABR07036498.1	AABR07049223.1	Btn2a2	Cdca4	Aktip	Centpo
AC111734.1	AABR07038269.1	AABR07049695.3	Bub1	Cdca7	Alyref	Centpu
AC112350.1	AABR07038873.1	AABR07049769.2	Bub1b	Cdca8	Amdhd2	Centpw
AC115273.1	AABR07038926.1	AABR07050545.1	Casp8ap2	Cdk1	Anapc15	Cep295
AC118439.1	AABR07038948.2	AABR07051190.1	Cbx3	Cdk2	Ankle1	Cep55
AC119015.4	AABR07039037.1	AABR07053169.1	Ccdc47	Cdk20	Ankrd49	Chaf1a

AC123213.1	AABR07039210.1	AABR07053516.1	Ccn4	Cdkn1a	Anp32e	Chaf1b
AC124839.1	AABR07039210.2	AABR07053667.1	Ccna2	Cdkn2c	Anxa2	Chtf18
AC125248.1	AABR07040840.1	AABR07053669.1	Ccnb1	Cdt1	Api5	Cip2a
AC127920.1	AABR07040892.1	AABR07053707.1	Ccne1	Cenpa	Arhgap11a	Ckap2
AC129365.1	AABR07041627.1	AABR07054266.1	Ccne2	Cenpe	Arl6ip1	Ckap2l
AC130391.5	AABR07041778.1	AABR07054368.1	Ccnf	Cenpf	Asf1b	Ckap5
AC130555.1	AABR07042866.1	AABR07055280.1	Cdc20	Cenph	Aspm	Cks1b
AC132752.2	AABR07043654.1	AABR07055834.1	Cdc25b	Cenpk	Atad2	Cks2
AC134224.3	AABR07044366.1	AABR07055919.1	Cdc45	Cenpo	Atad5	Clspn
AC139392.1	AABR07044375.1	AABR07056686.1	Cdc6	Cenpu	Atg12	Clu
AY172581.2	AABR07044975.2	AABR07058464.1	Cdc7	Cenpw	Atp6v1d	Cryba4
AY172581.21	AABR07044420.2	AABR07059171.1	Cdca2	Cep295	Aunip	Ctdsp2
Abhd4	AABR07044421.1	AABR07060291.1	Cdca3	Cep55	Aurka	Cycs
Adamts1	AABR07044940.1	AABR07060593.1	Cdca4	Chaf1a	Aurkb	Dctpp1
Adamts14	AABR07044959.1	AABR07061964.1	Cdca7	Chaf1b	B2m	Ddx11
Ado	AABR07045322.1	AABR07062599.1	Cdca8	Chtf18	Bard1	Dek
Adrb2	AABR07046628.1	AABR07063829.2	Cdk1	Cip2a	Bax	Dlgap5
Adrb3	AABR07047089.1	AABR07064998.2	Cdk2	Ckap2	Bdh2	Dnajc9
Aen	AABR07047219.1	AABR07066516.1	Cdkn1a	Ckap2l	Birc5	Dnmt1
Ahctf1	AABR07049223.1	AABR07066529.1	Cdkn2c	Ckap5	Blcap	Dscc1
Ahcy	AABR07049405.1	AABR07067526.1	Cdt1	Cks1b	Bloc1s4	Dsn1
Aida	AABR07049755.1	AABR07067583.1	Cebpd	Cks2	Bora	Dtl
Akap12	AABR07052430.1	AABR07067600.1	Cenpa	Clec2d2	Borcs6	Dut
Akirin1	AABR07053136.1	AABR07068154.1	Cenpe	Clspn	Brca1	E2f2
Akr1c14	AABR07053152.1	AABR07068253.1	Cenpf	Clu	Btg2	E2f8
Aldh2	AABR07053500.1	AABR07068285.2	Cenph	Cryba4	Bub1	Ect2
Alg8	AABR07053516.1	AABR07068417.2	Cenpk	Ctdnep1	Bub1b	Eme1
Alyref	AABR07053707.1	AABR07068852.1	Cenpl	Ctdsp2	Cbx3	Ercc6l
Anapc15	AABR07055834.1	AABR07069282.1	Cenpm	Ctdspl	Ccdc43	Espl1
Anapc2	AABR07055917.1	AABR07070270.1	Cenpo	Cycs	Ccn4	Exo1
Angpt4	AABR07055919.1	AABR07070275.1	Cenpu	Dctpp1	Ccna2	Exosc2
Angptl4	AABR07055919.2	AABR07071000.1	Cenpw	Ddx11	Ccnb1	Exosc8
Ankrd1	AABR07057190.1	AABR07072133.1	Cep250	Dek	Ccne1	Ezh2
Ankrd49	AABR07057250.1	AABR07072853.1	Cep295	Dlgap5	Ccne2	Fadd
Anln	AABR07057423.1	AC094126.2	Cep55	Dnajb1	Ccnf	Fam111a
Anp32b	AABR07057683.1	AC094643.2	Cep76	Dnajc9	Cdc20	Fam83d
Anp32e	AABR07058464.1	AC095390.1	Chaf1a	Dnmt1	Cdc25b	Fancb
Ap5b1	AABR07058519.1	AC098125.3	Chaf1b	Dnpep	Cdc45	Fancd2
Apip2	AABR07059171.1	AC098459.1	Chpf2	Dpp9	Cdc6	Fanci
Apol9a	AABR07059251.1	AC105515.1	Chtf18	Dscc1	Cdc7	Fbl
Apold1	AABR07060291.1	AC108572.4	Cip2a	Dsn1	Cdca2	Fbxo5
Arf5	AABR07060593.1	AC115273.1	Cit	Dtl	Cdca3	Fen1
Arhgap11a	AABR07061614.1	AC119111.1	Ckap2	Dut	Cdca4	Figl1
Arl2bp	AABR07062154.1	AC119762.5	Ckap2l	Dynlt3	Cdca7	Foxm1
Arl4a	AABR07062290.1	AC123425.1	Ckap5	E2f2	Cdca8	G2e3
Arl5a	AABR07062599.1	AC126897.1	Cks1b	E2f8	Cdhr1	Gaa
Arl6ip4	AABR07063279.1	AC127920.1	Cks2	Ect2	Cdk1	Gadd45a
Arpin	AABR07063829.2	AC128212.1	Clspn	Eme1	Cdk2	Gas2l3
Asf1b	AABR07063855.1	AC129365.1	Clu	Entpd4	Cdkn1a	Gdf15
Aspm	AABR07064349.1	AC132627.2	Cryba4	Ercc6l	Cdkn2c	Gemin6
Atad2	AABR07065438.1	AC133265.1	Ctdsp2	Espl1	Cdt1	Gen1
Atad5	AABR07065625.2	AC136867.1	Ctsa	Etfrr1	Cenpa	Gins1
Atxn7l3b	AABR07066516.1	AC141220.3	Cycs	Exo1	Cenpe	Gins4
Aurka	AABR07066529.1	AC142180.1	Dbn1	Exosc2	Cenpf	Gmn
Aurkb	AABR07066944.1	AC142458.1	Dctpp1	Exosc8	Cenph	Gpsm2
B2m	AABR07067526.1	AC242615.2	Ddr1	Ezh2	Cenpk	Grina
B3gnt7	AABR07067600.1	AY172581.21	Ddx11	Fadd	Cenpo	Gtse1
Bag2	AABR07068127.1	AY172581.8	Dek	Fam107b	Cenpt	H2afz
Bard1	AABR07068316.1	Aaas	Diaph1	Fam111a	Cenpu	Hapln3
Baz1b	AABR07068417.2	Aamp	Dlgap5	Fam136a	Cenpw	Hat1
Becn1	AABR07068852.1	Abcc5	Dnajc9	Fam83d	Cep295	Haus4
Bend6	AABR07069219.1	Abtb1	Dnmt1	Fancb	Cep55	Hirip3
Bhlhe41	AABR07069282.1	Actr1b	Dscc1	Fancd2	Chaf1a	Hjurp
Bid	AABR07071779.2	Adamts14	Dsn1	Fanci	Chaf1b	Hmmr
Birc5	AABR07071814.1	Add1	Dtl	Fbl	Chtf18	Hnrnpul1
Blcap	AABR07072133.1	Adgra2	Dtymk	Fbxo5	Cilp	Hspa14
Bloc1s2	AABR07072236.1	Adrb2	Dusp1	Fen1	Cip2a	Hyls1
Bloc1s3	AABR07072809.1	Agpat1	Dut	Figl1	Ckap2	Idh2
Bok	AABR07072853.1	Ahcy	E2f2	Fkbp1a	Ckap2l	Incenp
Bora	AABR07073181.1	Ahsa1	E2f8	Fkbp4	Ckap5	Ing1
Borcs6	AC094126.2	Ahsp	Ect2	Foxm1	Cks1b	Kif11
Brca1	AC094217.1	Aida	Emc8	G2e3	Cks2	Kif18b
Brca2	AC094643.2	Akr1c12	Eme1	Gaa	Cldnd1	Kif20a

Bst2	AC095390.1	Akt1	Erc6l	Gadd45a	Clic1	Kif20b
Btn2a2	AC098125.3	Akt2	Eri1	Gas2l3	Clspn	Kif22
Bub1	AC099089.1	Aktip	Esco2	Gdf15	Clu	Kif23
Bub1b	AC103090.1	Alas1	Espl1	Gemin6	Cnot9	Kif2c
Bub3	AC103335.1	Aldh5a1	Exo1	Gen1	Cntf	Kif4a
C1qtnf5	AC105515.1	Alg10	Exosc2	Gins1	Cox6a2	Kifc1
Cactin	AC106663.2	Alyref	Exosc8	Gins4	Crip2	Knstrn
Cadm4	AC108572.3	Amdhd2	Ezh2	Gmnn	Cryba4	Kntc1
Cald1	AC109048.1	Amfr	Fadd	Gpsm2	Cse1	LOC100359539
Capn1	AC109542.3	Anapc1	Fam111a	Grina	Cst3	LOC100359600
Card19	AC110351.1	Anapc15	Fam214b	Gtse1	Ctdsp2	LOC100909474
Carhsp1	AC112018.1	Ankle1	Fam83d	H2afz	Ctsb	LOC102546716
Casp2	AC112350.1	Ankrd13a	Fanca	Hapln3	Cycs	LOC361346
Casp8ap2	AC115159.2	Ankrd49	Fancb	Hat1	Cyp1b1	Lig4
Cbx3	AC115273.1	Ankrd52	Fancd2	Haus4	Dclre1b	Lin54
Cbx6	AC116220.3	Anln	Fancg	Haus8	Dctpp1	Lmnbl
Ccdc17	AC119015.4	Anp32b	Fanci	Hirip3	Ddit4	Lmnbl
Ccdc34	AC119762.5	Anp32e	Fbl	Hjurp	Ddx11	Lsm3
Ccdc47	AC119762.6	Anxa1	Fbxo5	Hmmr	Ddx39a	Lsm5
Cchcr1	AC119762.7	Anxa2	Fen1	Hnrnpd	Dek	Lsm8
Ccn4	AC123425.1	Aox1	Figl1	Hnrnpul1	Dlgap5	Mad2l1
Ccna2	AC125873.1	Apbb1	Filip1l	Hnrnpul2	Dnajb9	Mcm10
Ccnb1	AC128960.1	Api5	Fmnl3	Hspa14	Dnajc9	Mcm2
Ccne1	AC129365.1	Aqp1	Foxm1	Hyls1	Dnmt1	Mcm3
Ccne2	AC130391.5	Areg	G2e3	Idh2	Dpp7	Mcm4
Ccnf	AC13265.1	Arfp2	G3bp2	Ifi27	Dsccl	Mcm5
Ccsap	AC134224.3	Arhgap11a	Gaa	Incenp	Dsel	Mcm6
Cd14	AC136867.1	Arl2bp	Gadd45a	Ing1	Dsn1	Mcm7
Cd200	AC141169.2	Arl4a	Gas2l3	Jpt2	Dstn	Mdc1
Cd44	AC141959.1	Arl6ip1	Gdf15	Kif11	Dtl	Mdm2
Cd48	AC242953.1	Arpc5l	Gemin6	Kif18b	Dut	Mis18a
Cd63	AY172581.1	Arrdc3	Gen1	Kif20a	Dvl3	Mki67
Cdc20	AY172581.8	Asf1b	Ghitm	Kif20b	E2f2	Msh6
Cdc25b	Aaas	Asl	Ginm1	Kif22	E2f8	Mybl2
Cdc26	Aarsd1	Aspm	Gins1	Kif23	Ect2	Nasp
Cdc34	Abca3	Atad2	Gins3	Kif2c	Eef2	Ncapd2
Cdc45	Abcb8	Atad5	Gins4	Kif4a	Ehd4	Ncapd3
Cdc6	Abhd4	Atcay	Glb1l	Kifc1	Eif4ebp2	Ncapg
Cdc7	Abo3	Atg12	Gmnn	Klhl24	Elk3	Ncapg2
Cdca2	Acpp	Atp6v1a	Gpsm2	Knstrn	Eme1	Ncaph
Cdca3	Actg1	Atp6v1b2	Grina	Kntc1	Eme2	Ncaph2
Cdca4	Actr1b	Atp6v1d	Grwd1	LOC100359539	Emg1	Ndc80
Cdca7	Adam19	Atp6v1f	Gtse1	LOC100359600	Erc6l	Necab3
Cdca8	Adams1	Atp6v1g1	H2afz	LOC100909474	Espl1	Nrm
Cdk1	Adcy7	Aunip	Hapln3	LOC102546716	Esrra	Nsmce4a
Cdk2	Adipor1	Aurka	Hat1	LOC361346	Etv5	Nuf2
Cdk20	Adm	Aurkb	Haus3	Lamb1	Exo1	Nup107
Cdkn1a	Adrb2	Avpr1a	Haus4	Lgals3bp	Exosc2	Nup188
Cdkn2c	Aen	B2m	Haus5	Lig4	Exosc8	Nup85
Cdt1	Aga	Bard1	Hirip3	Lin54	Ezh2	Nusap1
Cebpd	Ahcy	Bax	Hist1h1d	Lmf2	F2r1l	Nxt1
Cebpg	Aif1l	Bbs10	Hist1h2bk	Lmnbl	Fadd	Orc1
Cebpzos	Ajuba	Bcs1l	Hjurp	Lmnbl	Fam111a	Orc6
Cenpa	Ak2	Bdh2	Hmgb2	Lsm3	Fam83d	P2rx4
Cenpb	Akap2	Birc5	Hmgn2	Lsm5	Fam84a	Pa2g4
Cenpc	Akap5	Bicap	Hmmr	Lsm8	Fancb	Pask
Cenpe	Akip1	Bloc1s4	Hnrnpul1	Mad2l1	Fancd2	Paxip1
Cenpf	Akt1	Bloc1s6	Hspa14	Mapk6	Fanci	Pbk
Cenph	Aktip	Bmf	Hyls1	Mcm10	Fbl	Pclaf
Cenpi	Alg8	Bnip3l	Icam1	Mcm2	Fbxo5	Pcna
Cenpk	Alkbh7	Bora	Idh2	Mcm3	Fen1	Pfas
Cenpl	Alyref	Borcs6	Ier5	Mcm4	Figl1	Phf5a
Cenpm	Amdhd2	Bpgm	Il17rc	Mcm5	Fktn	Pif1
Cenpo	Amigo1	Brcal	Ilf2	Mcm6	Foxm1	Pimreg
Cenpu	Amotl2	Btbd19	Incenp	Mcm7	Fuca1	Plekhl2
Cenpw	Anapc15	Btg2	Ing1	Mdc1	Fut4	Plk1
Cep250	Anapc16	Bub1	Irf7	Mdm2	G2e3	Plk2
Cep295	Angptl2	Bub1b	Itga7	Mir27a	G3bp1	Plk4
Cep55	Ankh	C1qtnf6	Kif11	Mirlet7i	Gaa	Pmf1
Cep57	Ankle1	C1r	Kif14	Mis18a	Gadd45a	Pold2
Cep76	Ankrd1	C1rl	Kif15	Mki67	Gas2l3	Pole
Cerk	Ankrd12	Cad	Kif18b	Msh6	Gas6	Pole2
Cggbp1	Ankrd34a	Car11	Kif20a	Mybl2	Gdf15	Ppm1g

Chaf1a	Ankrd49	Card19	Kif20b	Nasp	Gemin6	Ppp2r5d
Chaf1b	Ano8	Carm1	Kif22	Ncapd2	Gen1	Prc1
Chchd1	Anp32e	Cavin1	Kif23	Ncapd3	Gfpt1	Prim1
Chpf2	Anxa2	Cbfb	Kif2c	Ncapg	Gigyf1	Ptma
Chst12	Anxa3	Cbx3	Kif4a	Ncapg2	Gins1	Ptpa
Chtf18	Ap5b1	Ccdc115	Kifc1	Ncaph	Gins2	Pttg1
Chtf8	Aph1a	Ccdc17	Kn1	Ncaph2	Gins4	RGD1560010
Cip2a	Api5	Ccdc43	Knstrn	Ndc80	Gltf	RT1-CE10
Cit	Apol9a	Ccdc96	Kntc1	Necab3	Gmnn	RT1-N3
Cited2	Apold1	Ccn4	LOC100294508	Nit1	Gnptg	Racgap1
Ckap2	Aqp1	Ccna2	LOC100359539	Npm3	Gpr108	Rad21
Ckap2l	Arg1	Ccnb1	LOC100359600	Nrm	Gpsm2	Rad51ap1
Ckap5	Arhgap11a	Ccnd3	LOC100365363	Nsmce4a	Grina	Rad54l
Cks1b	Arhgap19	Ccne1	LOC100909474	Nuf2	Gtse1	Rasl11b
Cks2	Arhgap21	Ccne2	LOC100911361	Nup107	H2afz	Rbbp7
Clec2d2	Arhgap29	Ccnf	LOC102546716	Nup188	Hapln3	Reck
Clspn	Arhgap33	Ccng1	LOC361346	Nup85	Haspin	Rfc2
Clu	Arhgap5	Ccnt2	LOC691807	Nusap1	Hat1	Rfc3
Cnot6	Arhgdia	Ccpg1	Lig4	Nxt1	Haus4	Rfc5
Cnpy4	Arl6ip1	Cdc20	Lin54	Orc1	Hbp1	Rpa2
Cryba4	Arl8a	Cdc25b	Lmnb1	Orc6	Hcfc1	Rpa3
Ctdnep1	Armcx2	Cdc42ep1	Lmnb2	Ormdl2	Hilpda	Rrm1
Ctdsp2	Armcx3	Cdc42ep4	Lpar6	P2rx4	Hirip3	Rrm2
Ctdspl	Arpc1a	Cdc42ep5	Lrrcc1	Pa2g4	Hist1h1c	Samd9
Ctsa	Arpin	Cdc45	Lsm3	Parp2	Hjurp	Sapcd2
Cxcl12	Arrdc4	Cdc6	Lsm5	Pask	Hmmr	Sf3b3
Cxcl16	Arse	Cdc7	Lsm8	Paxip1	Hmox1	Sgo1
Cycs	Asah1	Cdca2	Mad2l1	Pbk	Hnrnpul1	Sgo2
Cyp51	Asb6	Cdca3	Mastl	Pclaf	Hsd1l	Shcbp1
Cyren	Asf1b	Cdca4	Mcm10	Pcna	Hsp90ab1	Siva1
Dad1	Asmtl	Cdca7	Mcm2	Pfas	Hsp90b1	Ska1
Dbn1	Aspm	Cdca8	Mcm3	Phf5a	Hspa14	Ska3
Dcakd	Atad2	Cdh3	Mcm4	Pif1	Hspa5	Slbp
Dck	Atad5	Cdhr1	Mcm5	Pimreg	Hyls1	Slc25a10
Dctpp1	Atcay	Cdk1	Mcm6	Plekfb2	Hyou1	Slc38a7
Ddias	Atf5	Cdk10	Mcm7	Plk1	ldh2	Slc46a1
Ddr1	Atg12	Cdk2	Mdc1	Plk2	lfrd2	Sfn13
Ddx11	Atp13a2	Cdk20	Mdm2	Plk4	Incenp	Smc2
Dek	Atp1a1	Cdk5	Melk	Pmf1	Ing1	Smc4
Depdc1	Atp2a3	Cdkn1a	Mgme1	Pnp0	Iqgap3	Snrpa
Depp1	Atp5f1a	Cdkn2c	Mir125b1	Pold2	Itm2b	Spag5
Diaph1	Atp5f1e	Cdr2	Mis18a	Pole	Itm2c	Spc25
Dlgap5	Atp6v1d	Cdt1	Mis18bp1	Pole2	Kif11	Srsf1
Dlx1	Atp8b2	Celf1	Mki67	Ppm1g	Kif18b	Srsf2
Dnajb1	Atrn	Cenpa	Mms22l	Ppp2r5d	Kif20a	Srsf7
Dnajc9	Atxn713b	Cenpe	Mrpl14	Prc1	Kif20b	Stil
Dnmt1	Aunip	Cenpf	Mrpl18	Prim1	Kif22	Stip1
Dnpep	Aurka	Cenph	Msh6	Prss23	Kif23	Stmn1
Donson	Aurkb	Cenpk	Msln	Ptges3	Kif2c	Suv39h111
Dpp9	Avpi1	Cenpo	Mybl2	Ptma	Kif4a	Tacc3
Dscc1	B2m	Cenpt	Myh10	Ptpa	Kifc1	Tceanc
Dsn1	B3gat3	Cenpu	Nabp1	Ptprv	Klhl23	Tcf19
Dtl	B9d2	Cenpw	Nans	Pttg1	Knstrn	Tedc1
Dtx3l	Bahd1	Cep295	Nasp	RGD1560010	Kntc1	Tedc2
Dtymk	Bak1	Cep55	Ncapd2	RGD1562378	Kpna2	Tex30
Dusp1	Bard1	Cep68	Ncapd3	RT1-CE10	LOC100359539	Ticrr
Dut	Bax	Cfap298	Ncapg	RT1-N3	LOC100359583	Timeless
Dynlt3	Bcar1	Cfh	Ncapg2	Rac1	LOC100359600	Tipinl1
E2f2	Bcat1	Cfp	Ncaph	Racgap1	LOC100365839	Tk1
E2f7	Bccip	Ch25h	Ncaph2	Rad21	LOC100909474	Tmem97
E2f8	Bdh2	Chaf1a	Ndc80	Rad51ap1	LOC102546716	Tmpo
Ect2	Becn1	Chaf1b	Necab3	Rad54l	LOC102549726	Tnfaip8l1
Edem1	Bgn	Chrm3	Necap1	Ranbp1	LOC102553785	Tonsl
Ell3	Bhlhe41	Chst12	Nemp1	Rasl11b	LOC102555453	Top2a
Emc8	Bicra	Chst2	Nono	Rbbp7	LOC103691238	Topbp1
Eme1	Bin1	Chtf18	Nrm	Reck	LOC108351584	Tp53inp1
Entpd4	Birc5	Cilp	Nsl1	Rfc2	LOC108351936	Tpx2
Ercc6l	Bicap	Cip2a	Nsmce4a	Rfc3	LOC361346	Traip
Eri1	Bloc1s4	Ckap2	Nucks1	Rfc5	Lamp2	Trim47
Esco2	Bmp1	Ckap2l	Nuf2	Rpa2	Lgmn	Trim59
Espl1	Bora	Ckap5	Nup107	Rpa3	Lig4	Tspan17
Etfrf1	Borcs6	Cks1b	Nup188	Rpp21	Lin54	Ttk
Exo1	Brca1	Cks2	Nup35	Rrm1	Lmnb1	Tuba1b

Exoc8	Brca2	Ciba1	Nup85	Rrm2	Lmnb2	Tubb5
Exosc2	Brpf1	Cldn12	Nusap1	Samd9	Lonrf2	Tubgcp2
Exosc3	Bsg	Cldnd1	Nxt1	Sapcd2	Lrrc73	Ube2c
Exosc8	Btg2	Clec2d2	Oip5	Set	Lsm2	Ube2s
Ezh2	Btn2a2	Clic1	Orc1	Sf3b3	Lsm3	Ube2t
F2r	Bub1	Clspn	Orc6	Sgo1	Lsm5	Uhrf1
Fadd	Bub1b	Clu	P2rx4	Sgo2	Lsm8	Ung
Fam107b	C1galt1	Cmpk1	Pa2g4	Shcbp1	Lta4h	Usp1
Fam111a	C1s	Cmtm6	Pagr1	Siva1	Lypla1	Wdhd1
Fam136a	C2cd2	Cmtr2	Pask	Ska1	Mad21	Xrcc2
Fam168b	Calr	Cnih1	Paxip1	Ska3	Maf	Yod1
Fam214b	Casp12	Cnmn4	Pbk	Slbp	Mapre3	Zfp513
Fam83d	Casp8ap2	Cnot9	Pclaf	Slc16a1	Mcm10	Zw10
Fam91a1	Cavin4	Cnpy2	Pcna	Slc25a10	Mcm2	Zwilch
Fanca	Cbfb	Cntf	Pfas	Slc38a7	Mcm3	
Fancb	Cbx3	Col12a1	Phf19	Slc46a1	Mcm4	
Fancd2	Cc2d1a	Commd4	Phf5a	Slfn13	Mcm5	
Fancg	Cc2d1b	Commd8	Pif1	Smc2	Mcm6	
Fanci	Ccdc126	Coro1c	Pimreg	Smc4	Mcm7	
Fbl	Ccdc163	Coro6	Plekhh2	Snrpa	Mdc1	
Fbxo5	Ccdc43	Cotl1	Plk1	Spag5	Mdm2	
Fen1	Ccdc47	Cox6a2	Plk2	Spc25	Med21	
Fez2	Ccdc74a	Cp	Plk3	Spns1	Mir23a	
Fhl1	Ccdc80	Cpd	Plk4	Srsf1	Mir3064	
Fignl1	Ccdc9b	Cpt1c	Pmf1	Srsf2	Mir3564	
Filip1l	Ccl20	Crat	Pold2	Srsf3	Mir3568	
Fitm2	Ccn4	Crebzf	Pole	Srsf7	Mir374b	
Fkbp1a	Ccna2	Crip2	Pole2	Stil	Mir6334	
Fkbp4	Ccnb1	Cry2	Pole3	Stip1	Mis18a	
Fkbp5	Ccne1	Cryba4	Polr2c	Stmn1	Mk1	
Fmn13	Ccne2	Cse1l	Ppm1g	Suv39h111	Mki67	
Fmo3	Ccnf	Csprs	Ppp1ca	Tacc3	Mkrrn3	
Fmod	Ccp110	Csrp1	Ppp2r5d	Tceanc	Msh2	
Fn3krp	Cct4	Cst3	Pradc1	Tcf19	Msh6	
Foxm1	Cct7	Cstf2	Prc1	Tedc1	Mthfr	
Fst	Ccz1b	Ctbp1	Prim1	Tedc2	Mtss1l	
Fstl1	Cd55	Ctdnep1	Prpf4	Terf2ip	Mustrn1	
Fus	Cdc20	Ctdsp2	Ptma	Tex30	Mybl2	
G2e3	Cdc25b	Ctdspl	Ptpa	Tgfb2	Myl12b	
G3bp2	Cdc25c	Ctsp1	Pttg1	Ticrr	Myo10	
Gaa	Cdc42ep2	Ctrb1	Qdpr	Timeless	Naa40	
Gadd45a	Cdc45	Ctsb	RGD1560010	Tipin1	Nasp	
Galnt1	Cdc6	Ctsf	RT1-CE10	Tk1	Ncapd2	
Gas2l3	Cdc7	Cxcr3	RT1-N3	Tmem205	Ncapd3	
Gclm	Cdca2	Cyb5d1	Racgap1	Tmem97	Ncapg	
Gdf15	Cdca3	Cycs	Rad21	Tmpo	Ncapg2	
Gemin6	Cdca4	Cyp1b1	Rad51ap1	Tnfaip8l1	Ncaph	
Gen1	Cdca7	Cyp26b1	Rad51c	Tonsl	Ncaph2	
Gfra4	Cdca8	Dag1	Rad54l	Top2a	Ndc1	
Ghitm	Cdhr1	Dbr1	Ran	Topbp1	Ndc80	
Ginm1	Cdipt	Dclre1b	Rasl11b	Tp53inp1	Necab3	
Gins1	Cdk1	Dctpp1	Rbbp7	Tpp1	Nicn1	
Gins3	Cdk2	Dcxr	Rdm1	Tpx2	Nnt	
Gins4	Cdk2ap2	Ddit4	Reck	Traip	Nol3	
Glb1l	Cdkn1a	Ddx11	Rel2	Trim47	Nop10	
Glipr1	Cdkn2c	Ddx20	Rfc2	Trim59	Nr4a1	
Gm23880	Cdt1	Ddx39a	Rfc3	Tspan17	Nrm	
Gm2a	Cebpb	Dek	Rfc4	Ttk	Nsmce4a	
Gmip	Cebpd	Depp1	Rfc5	Tuba1b	Nuf2	
Gmnn	Cenpa	Des	Rfwd3	Tubb5	Nup107	
Gnat2	Cenpe	Dgkz	Rnaseh2a	Tubgcp2	Nup188	
Gng10	Cenpf	Dhrs9	Rnd1	U2af1	Nup205	
Gng2	Cenph	Dhx57	Rpa2	Ube2c	Nup43	
Golga7	Cenpk	Dlgap5	Rpa3	Ube2s	Nup85	
Gpd1	Cenpl	Dlx5	Rrm1	Ube2t	Nusap1	
Gprin3	Cenpm	Dmpk	Rrm2	Ugdh	Nxt1	
Gpsm2	Cenpo	Dnajb1	Samd9	Uhrf1	Orc1	
Grina	Cenpt	Dnajb5	Sapcd2	Ung	Orc6	
Grk6	Cenpu	Dnajb9	Serpine1	Usp1	P2rx4	
Grwd1	Cenpw	Dnajc9	Sf3a3	Wdhd1	Pa2g4	
Gtse1	Cep170b	Dnase2	Sf3b3	Xrcc2	Palb2	
Guk1	Cep250	Dnmt1	Sft2d3	Yod1	Pask	
H2afx	Cep295	Dnpep	Sgo1	Zfp422	Paxip1	

H2afz	Cep41	Dok1	Sgo2	Zfp513	Pbk
H6pd	Cep44	Dpp7	Shcbp1	Zw10	Pclaf
Hacd1	Cep55	Dpp9	Siglec10	Zwilch	Pcna
Hapln3	Cep72	Dscc1	Siva1		Pdcd4
Hat1	Cep76	Dsel	Ska1		Pfas
Haus3	Cetn2	Dsn1	Ska3		Pgrmc1
Haus4	Cfap157	Dstn	Slbp		Phf1
Haus5	Cfl2	Dtd2	Slc16a4		Phf5a
Haus8	Chac1	Dtl	Slc20a2		Pif1
Hbegf	Chaf1a	Dtx3	Slc25a10		Pimreg
Hif1an	Chaf1b	Dut	Slc38a7		Pla2g15
Hirip3	Chd3	Dvl2	Slc46a1		Plagl1
Hist1h1d	Chek2	Dvl3	Slf13		Plekhh2
Hist1h2bk	Chfr	Dync2li1	Smc2		Plk1
Hjurp	Chpf2	Dynlt3	Smc4		Plk2
Hmgb2	Chrac1	Dyrk1b	Snapi		Plk4
Hmgn2	Chtf18	E130309D02Rik	Snrpa		Pln
Hmgn3	Cilp	E2f2	Spag5		Pmf1
Hmmr	Cip2a	E2f8	Spc24		Pnpla6
Hnrnpd	Cisd1	Echdc1	Spc25		Pnrc1
Hnrnrm	Cit	Ecm1	Spdl1		Pold1
Hnrnpul1	Ckap2	Ect2	Srsf1		Pold2
Hnrnpul2	Ckap2l	Eef1a1	Srsf2		Pole
Hspa14	Ckap4	Eef2	Srsf4		Pole2
Hspe1	Ckap5	Efhd2	Srsf7		Pop4
Htra1	Cks1b	Ehd4	Ssrp1		Ppat
Hyls1	Cks2	Eid1	Stil		Ppid1
Icam1	Cln3	Eif4ebp1	Stip1		Ppm1f
Id2	Cln7	Eif4ebp2	Stmn1		Ppm1g
Id3	Cldnd1	Elk3	Suv39h11		Ppp2r5d
Idh2	Clec2dl1	Elk4	Syng2		Prc1
Ier3	Clic1	Emd	Tacc3		Prim1
Ier5	Clspn	Eme1	Tbc1d2		Prob1
Ifi27	Cltb	Eme2	Tceanc		Prpf31
Ifi30	Clu	Emg1	Tcf19		Psap
Igfbp6	Cmtm3	Emp1	Tedc1		Psmc3ip
Il17rc	Cnn3	Enpep	Tedc2		Ptgs2
Il1r1	Cnot9	Enpp4	Tex30		Ptma
Ilf2	Cnppd1	Entpd4	Tfdp1		Ptpa
Ivbl	Cntf	Eps8l2	Tfpi		Pttg1
Incenp	Col11a1	Ercc6l	Thoc7		Pura
Ing1	Col4a1	Ereg	Ticrr		RF00085
Inhbb	Col4a2	Ergic3	Timeless		RF00594
Ints7	Col4a5	Erlec1	Tinagl1		RGD1305350
Irf7	Col5a1	Erlin1	Tiparp		RGD1308117
Irgc	Col5a2	Ermard	Tipinl1		RGD1560010
Irgm	Col8a1	Espl1	Tk1		RGD1562690
Isg15	Cops8	Esrra	Tmbim1		RT1-CE10
Itga7	Cox6a2	Etfrf1	Tmem138		RT1-N3
Ivns1abp	Cpe	Etv5	Tmem150a		Rab15
Jpt2	Cplane2	Exo1	Tmem230		Racgap1
Kcnj2	Cpsf2	Exosc2	Tmem80		Rad1
Kdelr2	Cpsf3	Exosc8	Tmem97		Rad21
Kdm5b	Creb3	Ezh2	Tmpo		Rad51ap1
Kif11	Creb3l1	F2r	Tnfaip8l1		Rad54l
Kif14	Crip2	F2r1	Tob1		Rad9a
Kif15	Crtapl1	Fabp5	Toe1		Rangap1
Kif18b	Cryab	Fadd	Tonsl		Rasl11b
Kif20a	Cryba4	Fam107b	Top2a		Rassf1
Kif20b	Cse1l	Fam111a	Topbp1		Rbbp7
Kif22	Csnk1e	Fam136a	Tp53inp1		Rcc1
Kif23	Cspg4	Fam32a	Tpm1		Reck
Kif2c	Csrnp1	Fam83d	Tpx2		Recq4
Kif4a	Cst3	Fam84a	Traip		Reep3
Kifc1	Cstf1	Fam98c	Trappc6a		Reep4
Klhdc4	Ctdsp2	Fancb	Trim25		Rfc2
Khlh24	Ctsa	Fancd2	Trim47		Rfc3
Kn1	Ctsb	Fanci	Trim59		Rfc5
Knstrn	Ctsd	Fau	Trip13		Rnasek
Kntc1	Cxcl1	Fbl	Tsc22d1		Rnf10
Kprp	Cxxc5	Fbxo5	Tshz1		Rnf166
LOC100294508	Cyb561d1	Fbxw9	Tspan17		Rnf26
LOC100359539	Cyb5b	Fcgrt	Ttk		Rogdi

LOC100359600	Cycs	Fen1	Tuba1b	Rpa2
LOC100362999	Cyp1b1	Fignl1	Tubb5	Rpa3
LOC100363502	Dapk3	Fkbp1a	Tube1	Rpl22l1
LOC100365363	Dazap2	Fkbp4	Tubgcp2	Rps3a
LOC100909474	Dbi	Fkbp7	Ube2c	Rrm1
LOC100911252	Dbn1	Fktn	Ube2s	Rrm2
LOC100911361	Dbndd2	Flot2	Ube2t	Samd9
LOC102546716	Dbnl	Fos	Ubr7	Sapcd2
LOC102547056	Dcaf15	Foxa2	Uhrf1	Selenoi
LOC102553386	Dcbld2	Foxm1	Ung	Sephs1
LOC102556092	Dclre1b	Foxo4	Usp1	Serinc4
LOC301444	Dctpp1	Fpgs	Vegfa	Sesn2
LOC361346	Ddit3	Fsd1	Vrk1	Sesn3
LOC499331	Ddit4	Fubp1	Vwa1	Setsip
LOC684762	Ddr1	Fuca1	Wdhd1	Sf3b3
LOC691807	Ddx11	Fuca2	Xrcc2	Sgo1
Lamb1	Ddx39a	Fut11	Yod1	Sgo2
Lgals3	Ddx39b	Fut4	Zbtb4	Shcbp1
Lgals3bp	Def8	Fzr1	Zcchc3	Sirt6
Lig4	Dek	G2e3	Zfp513	Siva1
Lin54	Dgat2	G3bp1	Zswim4	Ska1
Lix1l	Dhfr	Gaa	Zw10	Ska3
Lmf2	Dhrs4	Gabarapl1	Zwilch	Slbp
Lmna	Diaph1	Gadd45a	Zwint	Slc19a2
Lmnb1	Dlgap5	Gas2l3		Slc25a10
Lmnb2	Dmrt2	Gas6		Slc25a5
Lpar6	Dnaaf3	Gatad2a		Slc30a1
Lrrc14	Dnajb9	Gba		Slc38a7
Lrrc75a	Dnajc10	Gdf15		Slc46a1
Lrrcc1	Dnajc9	Gdi1		Slc52a3
Lrrn4cl	Dnase2	Gemin6		Slc9a3r1
Lsm3	Dnlz	Gen1		Sifn13
Lsm5	Dnmt1	Get4		Smc2
Lsm8	Dpf2	Gfpt1		Smc4
Lymr2	Dpp7	Ggt1		Smim14
Mad2l1	Dpysl2	Ghdc		Snrpa
Mad2l1bp	Dscc1	Gigyf1		Snrpa1
Maff	Dsel	Gins1		Sod3
Magt1	Dsn1	Gins2		Sowahc
Mapk6	Dstn	Gins4		Spag5
Mastl	Dtl	Giot1		Sparc
Mbtps1	Dtymk	Gja1		Spc25
Mcm10	Dusp1	Gltp		Sqstm1
Mcm2	Dusp3	Glyctk		Srsf1
Mcm3	Dusp8	Gmnn		Srsf2
Mcm4	Dut	Gna11		Srsf7
Mcm5	Dvl3	Gnai2		Stil
Mcm6	Dync1li2	Gnb1		Stip1
Mcm7	Dyrk2	Gnptg		Stmn1
Mdc1	E2f2	Gpat4		Suv39h1l1
Mdm1	E2f4	Gpd1l		Synj1
Mdm2	E2f5	Gpr108		Tacc3
Melk	E2f8	Gpr150		Tagln2
Metrn	Eci1	Gpsm2		Tap1
Mettl14	Ect2	Gpx1		Tceanc
Mgme1	Edf1	Gpx8		Tcf19
Micall2	Edn1	Grina		Tedc1
Mid1ip1	Eef1aknmt	Grk2		Tedc2
Mir125b1	Eef1g	Gtse1		Tent4a
Mir145	Eef2	H2afz		Tent5a
Mir21	Egln2	Haghl		Tex30
Mir22	Egr1	Hapln3		Tfrc
Mir27a	Ehbp1l1	Hapln4		Thoc3
Mir339	Ehd3	Haspin		Thyn1
Mirlet7i	Ehd4	Hat1		Ticrr
Mis18a	Eif2a	Haus4		Timeless
Mis18bp1	Eif3d	Haus8		Tipin1
Misp3	Eif4a2	Hbp1		Tk1
Mki67	Eif4ebp1	Hcfc1		Tmem109
Mme	Eif4ebp2	Hdgf		Tmem160
Mms22l	Elk3	Hes6		Tmem167b
Mrpl14	Eloc	Hiipda		Tmem185b
Mrpl18	Elov1	Hint2		Tmem202

Mrpl51	Emc8	Hirip3			Tmem97
Mrps25	Emd	Hist1h1c			Tmpo
Mrps26	Eme1	Hjurp			Tnfaip811
Msh6	Eme2	Hk2			Tonsl
Msln	Emg1	Hmmr			Top2a
Mtmr4	Emilin1	Hmox1			Topbp1
Mvb12a	Emp3	Hnrnpa1			Tp53inp1
Mybl2	Eno3	Hnrnpd			Tpx2
Myh10	Enpp1	Hnrnpf			Traip
NEWGENE_619861	Ercc6l	Hnrnpul1			Trim47
Nabp1	Eri1	Hnrnpul2			Trim59
Nans	Eri2	Hoxb5			Troap
Nap111	Esco2	Hoxb7			Tspan17
Nasp	Espl1	Hoxd9			Ttk
Nbl1	Esrra	Hpd1			Tuba1b
Ncapd2	Etv3	Hs1bp3			Tubb4b
Ncapd3	Etv5	Hsdl1			Tubb5
Ncapg	Evi2a	Hsf1			Tubb6
Ncapg2	Exd2	Hsp90ab1			Tubgcp2
Ncaph	Exo1	Hsp90b1			Tvp23b
Ncaph2	Exosc2	Hspa14			Ube2c
Ncl	Exosc8	Hspa1l			Ube2q1
Ndc80	Ezh2	Hspa5			Ube2s
Nde1	F2r11	Hyls1			Ube2t
Ndrp1	F3	Hyou1			Uhrf1
Necab3	Faap24	lah1			Ung
Necap1	Fadd	lcam5			Usp1
Nemp1	Fam102a	ldh2			Vamp2
Neurod6	Fam111a	ldh3a			Wdhd1
Nfe2l2	Fam131b	lds			Wdr5
Nfya	Fam214b	ldua			Wee1
Nhlrc3	Fam3a	lfi27			Xpo1
Nit1	Fam71f1	lftm6			Xrcc2
Nlrp3	Fam72a	lfrd2			Ydjc
Nmral1	Fam83d	l118bp			Yod1
Nono	Fam83h	Impdh2			Ypel5
Npm3	Fam84a	Incenp			Zbtb12
Nrm	Fam8a1	lng1			Zfp219
Nsl1	Fanca	lng4			Zfp513
Nsmce4a	Fancb	lp6k2			Zfp688
Nt5c3b	Fancd2	lqgap3			Zfr2
Nucks1	Fancg	lrak1			Zw10
Nudt18	Fanci	lsy1			Zwilch
Nuf2	Fbl	ltga5			
Nup107	Fbln5	ltgb1bp1			
Nup188	Fbxo2	ltm2b			
Nup35	Fbxo5	ltm2c			
Nup85	Fen1	Josd1			
Nusap1	Fermt2	Jpt2			
Nxt1	Fgfbp3	Kcnj2			
Oasl2	Fh	Kctd11			
Oip5	Fhod1	Kif11			
Orc1	Figl1	Kif18b			
Orc6	Filip1l	Kif20a			
Ormdl2	Fkbp2	Kif20b			
Ostc	Fkbp3	Kif22			
P2rx4	Fkbp9	Kif23			
PVR	Fktn	Kif2c			
Pa2g4	Flrt3	Kif4a			
Pagr1	Fmnl3	Kifc1			
Paip2b	Fosl2	Kifc2			
Pank3	Foxa1	Klc4			
Parp1	Foxm1	Klhl23			
Parp2	Ftl1	Klhl24			
Parp9	Fuca1	Klhl31			
Pask	Fundc2	Kmt2b			
Paxip1	Fut4	Knstrn			
Pbk	Fv1	Kntc1			
Pcdh1	G2e3	Kpna2			
Pcdhga7	G3bp1	Krt79			
Pcif1	G3bp2	LOC100174910			
Pclaf	Gaa	LOC100359539			
Pcna	Gabbr1	LOC100359583			



Pdp2	Gadd45a	LOC100359600
Pfas	Gadd45b	LOC100361025
Phf19	Gadd45g	LOC100361265
Phf5a	Gas2l3	LOC100364062
Pif1	Gas6	LOC100365839
Pigc	Gask1b	LOC100909474
Pigm	Gata3	LOC100912483
Pim1	Gchfr	LOC102546716
Pimreg	Gdf11	LOC102549726
Pitpnb	Gdf15	LOC102553785
Pkm	Gemin6	LOC102555453
Plekha1	Gen1	LOC103691238
Plekhb2	Gfpt1	LOC108351584
Plk1	Ghitm	LOC108351936
Plk2	Gigyf1	LOC308990
Plk3	Ginm1	LOC314140
Plk4	Gins1	LOC361346
Pmf1	Gins2	LOC680491
Pmvk	Gins3	LOC690276
Pnma1	Gins4	Lamb1
Pnn	Gipc1	Lamp2
Pnpo	Gjb4	Lancl1
Pold2	Glb1l	Lasp1
Pold3	Gltp	Lats1
Pole	Gmnn	Lbh
Pole2	Gnb2	Ldha
Pole3	Gnptg	Ldlr
Pole4	Golim4	Lgals3bp
Polr2c	Golt1b	Lgmn
Ppm1g	Got1	Lig3
Ppp1ca	Gpank1	Lig4
Ppp1r3c	Gpi	Limd2
Ppp2r5d	Gpn1	Lin54
Ppt2	Gpr108	Lin7c
Pradc1	Gprasp2	Lmf2
Prc1	Gpsm2	Lmnb1
Prdm8	Grina	Lmnb2
Prim1	Grwd1	Lonrf2
Prpf4	Gstk1	Lox
Prpf8	Gtf3c4	Loxl2
Prr11	Gtse1	Loxl3
Prss23	Gucd1	Lpcat2
Psma1	Gypc	Lpin3
Psm3	Gys1	Lrpap1
Ptges3	H2afz	Lrrc59
Ptma	H3f3b	Lrrc73
Ptpa	Hand2	Lrrc75b
Ptpn	Hapln3	Lsm2
Ptprv	Haspin	Lsm3
Pttg1	Hat1	Lsm5
Pycr2	Haus3	Lsm8
Pygo2	Haus4	Lta4h
Qdpr	Haus5	Ltbp2
RF00088	Haus7	Lypla1
RF00282	Hbp1	Lypla2
RF00302	Hcfc1	Lysmd1
RF00342	Hdac1	Lztfl1
RF00402	Hdac1l	Mad2l1
RF00409	Hddc3	Mad2l2
RF00575	Herc3	Maf
RF00586	Hilpda	Manea
RGD1308134	Hipk3	Map3k6
RGD1560010	Hirip3	Mapk6
RGD1562378	Hist1h1c	Mapre3
RT1-A2	Hist1h1d	Mblac1
RT1-CE10	Hist1h2bk	Mcm10
RT1-N3	Hjurp	Mcm2
Rabggtb	Hmgb2	Mcm3
Rac1	Hmgn2	Mcm4
Racgap1	Hmmr	Mcm5
Rad21	Hmox1	Mcm6
Rad51ap1	Hnrnpul1	Mcm7
Rad51c	Homer3	Mdc1

Rad54l	Hoxa1	Mdm2
Ran	Hoxb6	Me2
Ranbp1	Hoxc6	Med1
Rap1a	Hsd1l	Med21
Rarg	Hsp90ab1	Med25
Rasl11b	Hsp90b1	Med6
Rasl2-9	Hspa13	Mettl23
Rbbp7	Hspa14	Mex3c
Rbl1	Hspa2	Mfsd1
Rbm15b	Hspa5	Mfsd11
Rbm3	Htr2b	Mief1
Rdm1	Hyls1	Mief2
Reck	Hyou1	Mir132
Rel2	lars	Mir1956
Retreg2	lcam1	Mir23a
Rfc2	ldh2	Mir27a
Rfc3	ler5	Mir3064
Rfc4	lfi27l2b	Mir34a
Rfc5	lfitm1	Mir3564
Rfwd3	lfitm2	Mir3568
Rif1	lfitm3	Mir374b
Rnaseh1	lfngr2	Mir6318
Rnaseh2a	lfrd1	Mir6334
Rnaseh2c	lfrd2	Mirlet7i
Rnd1	lgsf3	Mis18a
Rnf181	ll17rc	Mk1
Rpa1	ll17re	Mki67
Rpa2	ll6st	Mknk2
Rpa3	llf2	Mkrm3
Rpia	lmpact	Mlycd
Rpp21	lnafm1	Mme
Rps4y2	lncenp	Mmgt1
Rps6kb1	lng1	Mmp13
Rras	lpo4	Mob3a
Rrm1	lqgap3	Morn2
Rrm2	lrf7	Mpg
Rtl8a	lrf9	Mprip
Rwdd1	ltga11	Mpv17l2
Samd9	ltga3	Mpzl3
Sapcd2	ltga7	Mrpl45
Sc5d	ltgb5	Mrpl57
Scd	ltm2b	Msh2
Scd2	ltm2c	Msh6
Sdc3	ltpripl1	Msn
Sdc4	Jak2	Mtch1
Sema3f	Jtb	Mtcp1
Sema4b	Katnb1	Mthfr
Serpib9	Kazald1	Mtss11
Serpine1	Kctd21	Mustn1
Set	Kdm6b	Mxd1
Sf1	Kif11	Mybl2
Sf3a2	Kif14	Myl12b
Sf3a3	Kif15	Myo10
Sf3b2	Kif18a	Myo1e
Sf3b3	Kif18b	Myo5a
Sft2d3	Kif1c	Naa10
Sfxn1	Kif20a	Naa40
Sgms2	Kif20b	Nacc1
Sgo1	Kif22	Nap1l4
Sgo2	Kif23	Nasp
Shcbp1	Kif2c	Ncapd2
Shox2	Kif4a	Ncapd3
Shroom1	Kif5b	Ncapg
Siglec10	Kifc1	Ncappg2
Siva1	Klc2	Ncaph
Ska1	Klf2	Ncaph2
Ska3	Klf4	Ndc1
Skil	Klhdc8a	Ndc80
Slbp	Klhl23	Ndrgr4
Slc16a1	Kmt5a	Ndufc1
Slc16a4	Kn1l	Necab3
Slc20a2	Knstrn	Net1
Slc25a10	Kntc1	Neu1

Slc25a16	Kpna2	Nfat5
Slc35f5	Kpna6	Nicn1
Slc38a7	Krt79	Nit1
Slc46a1	Krt8	Nlrp3
Slfn13	Ktn1	Nme3
Sltm	LOC100294508	Nnt
Slurp1	LOC100359539	Nol3
Smad4	LOC100359583	Nolc1
Smc1a	LOC100359600	Nop10
Smc2	LOC100360117	Nop56
Smc3	LOC100362333	Npm3
Smc4	LOC100362400	Nr4a1
Smc6	LOC100362830	Nrbp1
Snapin	LOC100363469	Nrbp2
Snrnp25	LOC100365363	Nrm
Snrpa	LOC100365839	Nrp1
Snrpd1	LOC100909474	Nsd2
Snrpe	LOC100910554	Nsmce4a
Sox9	LOC100910717	Nuf2
Spag5	LOC100911361	Nup107
Spc24	LOC102546716	Nup153
Spc25	LOC102549726	Nup188
Spdl1	LOC102551095	Nup205
Speg	LOC102553785	Nup43
Spns1	LOC102555453	Nup62
Srsf1	LOC103690354	Nup85
Srsf2	LOC103691238	Nusap1
Srsf3	LOC108351584	Nxt1
Srsf4	LOC108351936	Nxt2
Srsf7	LOC290595	Odf2
Ssr1	LOC303566	Ogg1
Ssrp1	LOC308990	Orc1
Stard7	LOC361346	Orc6
Stil	LOC497940	Ormdl2
Stip1	LOC689039	P2rx4
Stmn1	LOC691807	P2ry4
Stom	Lacc1	P3h3
Stub1	Lama5	P4ha3
Suv39h111	Lamb2	P4hb
Syne3	Lamp2	Pa2g4
Syng2	Lamtor5	Pak1ip1
Tacc3	Las1l	Pak4
Tapbp1	Lats2	Palb2
Tbc1d2	Lgals1	Parp10
Tceanc	Lgmn	Parp2
Tcf19	Lig4	Pask
Tcdc1	Lin54	Paxip1
Tcdc2	Lipa	Pbk
Terf2ip	Lman1	Pcbp2
Tesk1	Lmnb1	Pcdh18
Tex30	Lmnb2	Pcdhb14
Tfdp1	Lonrf2	Pclaf
Tfpi	Lpar6	Pcmdt2
Tgfb2	Lrfn4	Pcna
Thoc7	Lrig1	Pdcd4
Ticrr	Lrr1	Pdk4
Timeless	Lrrc40	Pdlim1
Tinagl1	Lrrc45	Pdlim2
Tiparp	Lrrc73	Pfas
Tipin1	Lrrcc1	Pgk1
Tk1	Lsm2	Pgpep1
Tmbim1	Lsm3	Pgrmc1
Tmed5	Lsm5	Phf1
Tmem101	Lsm7	Phf5a
Tmem138	Lsm8	Phgdh
Tmem150a	Lta4h	Pias4
Tmem175	Lyar	Pif1
Tmem177	Lypla1	Pigq
Tmem205	Mad2l1	Pik3ip1
Tmem230	Maf	Pimreg
Tmem80	Mafg	Pink1
Tmem81	Mafk	Pkp1
Tmem97	Magoh	Pla2g15

Tmpo	Manf	Plagl1
Tmtc3	Map1a	Plat
Tnfaip8l1	Map1b	Pld3
Tnfsf12	Map2k2	Plekha2
Tob1	Mapk1	Plk1
Toe1	Mapre3	Plk2
Tonsl	Marcks	Plk4
Top2a	Mastl	Pln
Topbp1	Mbd4	Plod2
Tp53inp1	Mcm10	Plp2
Tpm1	Mcm2	Pmf1
Tpp1	Mcm3	Pmm2
Tpx2	Mcm4	Pmp22
Tra2b	Mcm5	Pnpla6
Traip	Mcm6	Pnpo
Trappc6a	Mcm7	Pnrc1
Trim25	Mcrip1	Podnl1
Trim34	Mdc1	Pold1
Trim47	Mdm2	Pold2
Trim59	Me1	Pold4
Trip13	Med18	Pole
Tsc22d1	Med21	Pole2
Tshz1	Melk	Polg
Tspan17	Mfrp	Pomgnt2
Ttk	Mfsd10	Pop4
Tuba1b	Mgat1	Ppat
Tubb5	Mgme1	Ppid1
Tube1	Mib2	Ppm1f
Tubgcp2	Mical1	Ppm1g
Tusc2	Midn	Ppp1r9b
Txlna	Mir125b1	Ppp2r5d
Tyms	Mir23a	Prc1
U2af1	Mir3064	Prdx5
Uba7	Mir3564	Prim1
Ubac1	Mir3568	Prkar2a
Ubald2	Mir374b	Prob1
Ube2c	Mir615	Prpf31
Ube2s	Mir6334	Prss23
Ube2t	Mis12	Psap
Ubr7	Mis18a	Psenen
Ubtf	Mis18bp1	Psmb9
Ufd1	Mk1	Psmc3ip
Ugdh	Mki67	Psmc5
Uhrf1	Mktn3	Ptdss1
Ung	Mlit11	Ptges3
Usp1	Mmd	Ptges3l1
Vamp5	Mms22l	Ptgs2
Vdac2	Mob1a	Ptma
Vdac3	Mre11a	Ptpa
Vegfa	Mrfap1	Ptprv
Vps4a	Mrpl14	Pttg1
Vrk1	Mrpl18	Pura
Vwa1	Mrpl28	Pwp2
Wdhd1	Mrpl35	Pxdn
Wnk1	Mrps5	RF00085
Xkr5	Msh2	RF00187
Xrcc2	Msh6	RF00282
Ykt6	Msln	RF00404
Yod1	Mt1m	RF00594
Ywhah	Mthfr	RF01182
Zbtb4	Mtss1l	RGD1305350
Zcchc24	Mustn1	RGD1305938
Zcchc3	Mutyh	RGD1306502
Zfand2b	Mxd4	RGD1308117
Zfp207	Mybl2	RGD1311899
Zfp367	Myh10	RGD1311946
Zfp395	Myl12b	RGD1560010
Zfp422	Myo10	RGD1561149
Zfp513	Mzt2b	RGD1562136
Zswim4	N4bp1	RGD1562378
Zw10	Naa25	RGD1562690
Zwilch	Naa40	RGD1563620
Zwint	Nabp1	RGD1564613

Nacc2	RGD1564804
Nagk	RGD1566099
Nans	RT1-CE10
Nasp	RT1-M3-1
Nbas	RT1-N2
Ncam1	RT1-N3
Ncapd2	Rab15
Ncapd3	Rab29
Ncapg	Rac1
Ncapg2	Racgap1
Ncaph	Rad1
Ncaph2	Rad21
Nckap5l	Rad51ap1
Ndc1	Rad54l
Ndc80	Rad9a
Ndel1	Raly
Ndufb9	Ranbp1
Necab3	Ranbp3
Necap1	Rangap1
Nedd1	Rars
Nelfcd	Rasl11b
Nemp1	Rassf1
Nexmif	Rbbp7
Nfe2l1	Rbm17
Nfu1	Rcc1
Ngrn	Reck
Nicn1	Recql4
Nisch	Reep3
Nkd2	Reep4
Nkiras2	Renbp
Nnt	Retreg3
Nol3	Rexo1
Nono	Rfc2
Nop10	Rfc3
Npepps	Rfc5
Nptxr	Rgl2
Nr1i3	Rhpn1
Nr4a1	Rilp2
Nr4a2	Ripk3
Nras	Rnasek
Nrm	Rnd2
Nrm1	Rnf10
Nrp2	Rnf166
Nsl1	Rnf26
Nsmce4a	Rnft1
Nucb1	Rock2
Nucks1	Rogdi
Nudt1	Rpa2
Nuf2	Rpa3
Numbl	Rpl22l1
Nup107	Rplp0
Nup133	Rpp21
Nup155	Rps3a
Nup160	Rpsud3
Nup188	Rrm1
Nup205	Rrm2
Nup35	Rrp15
Nup37	S100a10
Nup43	S100a16
Nup85	Samd1
Nup93	Samd9
Nusap1	Sapcd2
Nxt1	Saraf
Oard1	Scarf2
Oaz1	Scoc
Ogfrl1	Sdc1
Oip5	Sec13
Olfml3	Selenoi
Orc1	Selenos
Orc6	Sema7a
Ormdl3	Sephs1
Osbpl5	11-Sep
Osmr	Serinc4

Osr1	Serpina3n
Otx1	Serpinh1
Oxct1	Sesn2
Oxnad1	Sesn3
P2rx4	Set
P4ha2	Setd6
Pa2g4	Setsip
Pagr1	Sf3b3
Palb2	Sfpq
Pars2	Sfrp4
Pask	Sfxn3
Paxip1	Sgo1
Pbk	Sgo2
Pcdhgb8	Shcbp1
Pcdhgc3	Sirt6
Pcgf2	Siva1
Pclaf	Ska1
Pcna	Ska3
Pcyox1	Slbp
Pdcd2	Slc10a5
Pdcd4	Slc16a1
Pdia4	Slc19a2
Pelp1	Slc1a4
Pfas	Slc22a17
Pfdn4	Slc25a10
Pgrmc1	Slc25a2
Pgrmc2	Slc25a39
Phf1	Slc25a5
Phf19	Slc27a1
Phf5a	Slc30a1
Phlda3	Slc30a4
Phldb3	Slc38a7
Phyh	Slc39a1
Piezo1	Slc39a5
Pif1	Slc39a9
Pih1d1	Slc43a1
Pik3cd	Slc46a1
Pimreg	Slc52a3
Pkmyt1	Slc8b1
Pla2g15	Slc9a3r1
Plagl1	Sifn13
Plat	Sifn11
Plcd4	Smarcd1
Plekha3	Smc2
Plekha2	Smc4
Plekhg2	Smim14
Plekho1	Snn
Plin3	Snrpa
Plk1	Snrpa1
Plk2	Snrpf
Plk3	Socs2
Plk4	Sod2
Pln	Sod3
Plpp6	Sowahc
Plscr3	Sp110
Pmf1	Spaca6
Pnpla6	Spag5
Pnrc1	Sparc
Pola2	Spc25
Pold1	Spns1
Pold2	Spon2
Pole	Spp1
Pole2	Spry4
Pole3	Sqstm1
Polm	Srsf1
Polr2c	Srsf2
Polr2e	Srsf3
Polr2k	Srsf7
Pop4	Ssx2ip
Ppat	St3gal4
Ppid1	St6gal1
Ppie	Steap2
Ppif	Stil

Ppih	Stip1
Ppm1f	Stmn1
Ppm1g	Sumo4
PPP1ca	Sun1
PPP1r13l	Supt4h1
PPP1r15a	Suv39h1l1
PPP2r5d	Sv2a
PPP5c	Synj1
Pqlc2	Syt11
Pradc1	Tacc3
Prc1	Tagln2
Prdx3	Tap1
Prdx6	Tbc1d17
Prim1	Tceanc
Prkab2	Tcf19
Prob1	Tcn2
Prpf19	Tcof1
Prpf31	Tcp1l12
Prpf4	Tcta
Prps2	Tedc1
Prr15	Tedc2
Psap	Tent4a
Psip1	Tent5a
Psmc3ip	Terf2ip
Psmd13	Tes
Ptger1	Tex30
Ptgfrn	Tffc
Ptgs1	Tgfb1i1
Ptgs2	Tgfb2
Ptma	Tgfb3
Ptpa	Tgoln2
Ptpn23	Thap12
Ptpf	Them6
Ptrh1	Thns1
Pttg1	Thoc3
Pura	Thtpa
Purg	Thyn1
Pus3	Ticrr
Pus1	Timeless
Pycard	Timm8a1
Qdpr	Timp1
RF00085	Tipin1
RF00264	Tk1
RF00402	Tle2
RF00416	Tmed3
RF00594	Tmem109
RF01161	Tmem160
RGD1305350	Tmem167b
RGD1306227	Tmem179b
RGD1306941	Tmem185b
RGD1308117	Tmem202
RGD1309748	Tmem203
RGD1310553	Tmem205
RGD1559896	Tmem208
RGD1560010	Tmem214
RGD1562136	Tmem30a
RGD1562690	Tmem43
RGD1563861	Tmem53
RGD1564855	Tmem86a
RT1-CE10	Tmem97
RT1-M3-1	Tmpo
RT1-N3	Tnfaip8l1
Rab11fip1	Tnfrsf26
Rab11fip5	Tns2
Rab15	Tomm6
Rab31	Tonsl
Rab32	Top2a
Rab3d	Topbp1
Rab8a	Tp53inp1
Rabl2	Tpp1
Racgap1	Tpx2
Rack1	Traip
Rad1	Trappc2

Rad21	Trim47
Rad51	Trim59
Rad51ap1	Troap
Rad51ap2	Tsn
Rad51c	Tspan13
Rad54l	Tspan17
Rad9a	Tspan3
Ramac	Ttc9c
Ran	Ttk
Rangap1	Ttpal
Rap2b	Tuba1b
Rasl11b	Tuba4a
Rassf1	Tubb4b
Rassf7	Tubb5
Rassf8	Tubb6
Rbbp7	Tubgcp2
Rbm18	Tufm
Rcc1	Tulp3
Rdm1	Tvp23b
Reck	Txnrd1
Recql4	U2af1
Reep3	Ube2c
Reep4	Ube2g2
Rel2	Ube2q1
Rexo4	Ube2s
Rfc2	Ube2t
Rfc3	Ubiad1
Rfc4	Ubqln4
Rfc5	Ucp2
Rfwd3	Ugdh
Riok3	Uhrf1
Rnase112	Ung
Rnaseh2a	Usp1
Rnasek	Vamp2
Rnd1	Vars
Rnd3	Vgll4
Rnf10	Vmp1
Rnf14	Wdhd1
Rnf166	Wdr1
Rnf167	Wdr45
Rnf185	Wdr5
Rnf26	Wdtd1
Rnf44	Wee1
Rnps1	Wfdc18
Rogdi	Wipf1
Rpa2	Wnt4
Rpa3	Wnt5b
Rpe	Wsb2
Rpl11	Xpo1
Rpl15	Xrcc2
Rpl18	Ydjc
Rpl19	Yipf2
Rpl2211	Yod1
Rpl23	Ypel3
Rpl24	Ypel5
Rpl26	Ywhaz
Rpl27	Zbtb12
Rpl29	Zbtb18
Rpl3	Zbtb2
Rpl31	Zdhhc16
Rpl34	Zdhhc7
Rpl35	Zfp219
Rpl37a	Zfp275
Rpl39	Zfp3611
Rpl41	Zfp422
Rpl5	Zfp496
Rpl6	Zfp513
Rpl7	Zfp688
Rpl711	Zfr2
Rps15	Zw10
Rps17	Zwilch
Rps1811	
Rps27a	



Rps28  
Rps3  
Rps3a  
Rps4x  
Rps7  
Rps8  
Rrm1  
Rrm2  
Rtn4  
Rusc2  
Ruvbl1  
Rwdd4  
S100a1  
Sae1  
Samd9  
Sapcd2  
Sart3  
Selenoi  
Sema3b  
Sema3c  
Sema5a  
Sema7a  
Seph1  
Seph2  
Serinc3  
Serinc4  
Serpib6a  
Serpine1  
Sesn2  
Sesn3  
Setd7  
Setsip  
Setx  
Sf3a3  
Sf3b3  
Sft2d3  
Sgo1  
Sgo2  
Sgpp1  
Sh3gl1  
Shc1  
Shcbp1  
Shkbp1  
Siglec10  
Sirt6  
Siva1  
Ska1  
Ska3  
Slbp  
Slc12a4  
Slc16a4  
Slc19a2  
Slc20a2  
Slc25a10  
Slc25a11  
Slc25a5  
Slc29a1  
Slc30a1  
Slc35a4  
Slc35b2  
Slc35d2  
Slc38a7  
Slc39a3  
Slc46a1  
Slc4a2  
Slc52a3  
Slc5a6  
Slc9a3r1  
Sln13  
Sln2  
Smarca5  
Smc2  
Smc4

Smim14  
Snapin  
Snrpa  
Snrpa1  
Snrpb  
Snx5  
Sod3  
Sorbs3  
Sowahc  
Spag5  
Sparc  
Spata2  
Spc24  
Spc25  
Spcs2  
Spdl1  
Sphk1  
Spp1  
Sptan1  
Sqor  
Sqstm1  
Srebf2  
Srpra  
Srrm1  
Srsf1  
Srsf2  
Srsf4  
Srsf7  
Ssr3  
Ssrp1  
St6galnac1  
St6galnac6  
Stbd1  
Steap3  
Stil  
Stip1  
Stk40  
Stmn1  
Sumf1  
Suox  
Suv39h111  
Suv39h2  
Svbp  
Syde1  
Syngr2  
Synj1  
Synm  
Syp1  
Tacc3  
Taf13  
Taf15  
Tagln2  
Tap1  
Tbc1d2  
Tceanc  
Tcerg1  
Tcf19  
Tcp1  
Tdg  
Tead3  
Tcdc1  
Tcdc2  
Tent4a  
Tent5a  
Tent5b  
Tex261  
Tex264  
Tex30  
Tfdp1  
Tfpi  
Tfrc  
Tgfbr2  
Tgoln2

Thbs2  
Thoc3  
Thoc7  
Thy1  
Thyn1  
Ticrr  
Tigar  
Timeless  
Timm21  
Tinagl1  
Tiparp  
Tipin1  
Tk1  
Tkt  
Tlr3  
Tm4sf1  
Tmbim1  
Tmed1  
Tmed2  
Tmem106c  
Tmem107  
Tmem109  
Tmem119  
Tmem127  
Tmem129  
Tmem138  
Tmem139  
Tmem14c  
Tmem150a  
Tmem160  
Tmem167b  
Tmem185b  
Tmem202  
Tmem230  
Tmem267  
Tmem63b  
Tmem80  
Tmem87b  
Tmem8a  
Tmem9  
Tmem97  
Tmpo  
Tnfaip2  
Tnfaip811  
Tnfrsf11b  
Tnfsf18  
Tnip3  
Tnrc18  
Tob1  
Toe1  
Tomm40l  
Tonsl  
Top2a  
Topbp1  
Tor1b  
Tor4a  
Tp53inp1  
Tp53inp2  
Tpm1  
Tpx2  
Trabd  
Traf4  
Trafd1  
Traip  
Trappc6a  
Trib2  
Trim25  
Trim41  
Trim47  
Trim59  
Trim7  
Trip10  
Trip13

Trip6  
Trmt10a  
Trmt12  
Troap  
Tsc22d1  
Tshz1  
Tsn  
Tspan17  
Tspan7  
Ttc30b  
Ttk  
Tuba1b  
Tubb4b  
Tubb5  
Tubb6  
Tube1  
Tubg1  
Tubgcp2  
Tubgcp6  
Tvp23b  
Twsg1  
Txnip  
Tymp  
Tyro3  
Ube2c  
Ube2q1  
Ube2s  
Ube2t  
Ubqln2  
Ubr7  
Ubxn4  
Uck1  
Uhrf1  
Uhrf1bp1  
Unc119  
Unc5b  
Ung  
Use1  
Usp1  
Vamp2  
Vamp8  
Vasp  
Vat1  
Vegfa  
Vgll3  
Vps11  
Vps26b  
Vps9d1  
Vrk1  
Vwa1  
Wdfy1  
Wdhd1  
Wdr5  
Wdr90  
Wee1  
Wls  
Xpo1  
Xrcc2  
Ydjc  
Yod1  
Ypel5  
Zbtb12  
Zbtb4  
Zbtb8os  
Zc2hc1a  
Zcchc3  
Zdhhc6  
Zfp219  
Zfp322a  
Zfp513  
Zfp612  
Zfp688  
Zfp846

Zfr2					
Znrd1					
Zscan22					
Zswim4					
Zw10					
Zwilch					
Zwint					
mrpl11					

**TABLE S3B Common and distinct genes altered in KMM cells following knockdown of GRWD1, WDR5 and MLL2**

GRWD1	WDR5	MLL2	GRWD1&WDR5	GRWD1&MLL2	WDR5&MLL2	GRWD1&WDR5&MLL2
AABR07000159.2	AABR07000222.1	AABR07000658.1	AABR07000658.1	AABR07000658.1	AABR07000658.1	AABR07000658.1
AABR07000658.1	AABR07000658.1	AABR07000747.1	AABR07011698.1	AABR07005838.1	AABR07001512.1	AABR07011698.1
AABR07005838.1	AABR07001433.1	AABR07001512.1	AABR07013288.4	AABR07011698.1	AABR07003344.1	AABR07013288.4
AABR07011697.1	AABR07001512.1	AABR07002564.1	AABR07026311.1	AABR07013288.4	AABR07006081.1	AABR07026311.1
AABR07011698.1	AABR07002711.1	AABR07003344.1	AABR07035539.1	AABR07026311.1	AABR07006111.1	AABR07044421.1
AABR07013288.4	AABR07003344.1	AABR07004269.4	AABR07044273.1	AABR07028352.1	AABR07010705.1	AC095390.1
AABR07013798.1	AABR07005031.1	AABR07004881.1	AABR07044421.1	AABR07044421.1	AABR07011698.1	AC112350.1
AABR07015941.2	AABR07006081.1	AABR07005838.1	AABR07053516.1	AC095390.1	AABR07012329.1	AY172581.24
AABR07018792.1	AABR07006111.1	AABR07006081.1	AC095390.1	AC112350.1	AABR07013288.4	Anp32e
AABR07026311.1	AABR07006269.1	AABR07006111.1	AC112350.1	AC116236.2	AABR07014756.1	Arhgap11a
AABR07026893.1	AABR07007000.1	AABR07006258.2	AC118419.1	AY172581.24	AABR07015180.1	Asf1b
AABR07028352.1	AABR07010705.1	AABR07008097.1	AY172581.24	AY172581.9	AABR07018244.2	Aspm
AABR07029863.1	AABR07011698.1	AABR07008420.1	Aen	Anln	AABR07024500.1	Atad2
AABR07029955.1	AABR07012100.2	AABR07009357.2	Anp32e	Anp32e	AABR07025301.1	Atp6v1d
AABR07030183.1	AABR07012329.1	AABR07010705.1	Arhgap11a	Arhgap11a	AABR07025787.1	Aurka
AABR07030494.1	AABR07013288.4	AABR07011697.1	Asf1b	Arl2bp	AABR07026311.1	Aurkb
AABR07030866.1	AABR07014550.1	AABR07011698.1	Aspm	Asf1b	AABR07027575.1	B2m
AABR07035539.1	AABR07014756.1	AABR07011977.1	Atad2	Aspm	AABR07027811.2	Birc5
AABR07038926.1	AABR07015180.1	AABR07011996.1	Atp6v1d	Atad2	AABR07027811.3	Bub1
AABR07039153.2	AABR07018244.2	AABR07012329.1	Aurka	Atp6v1d	AABR07029605.1	Bub1b
AABR07039210.2	AABR07018321.3	AABR07012583.2	Aurkb	Aurka	AABR07029613.1	Ccn2
AABR07039338.1	AABR07018331.1	AABR07013147.1	B2m	Aurkb	AABR07030200.1	Ccn4
AABR07041724.1	AABR07021759.1	AABR07013255.1	B4galt5	B2m	AABR07030861.1	Ccna2
AABR07042326.2	AABR07021988.1	AABR07013288.4	Birc5	Bhlhe41	AABR07030911.2	Ccnb1
AABR07043101.1	AABR07024500.1	AABR07014756.1	Bok	Birc5	AABR07031734.15	Ccnf
AABR07043167.1	AABR07024972.1	AABR07015040.1	Bub1	Bub1	AABR07032751.1	Cdc20
AABR07044273.1	AABR07025301.1	AABR07015180.1	Bub1b	Bub1b	AABR07033047.1	Cdca3
AABR07044421.1	AABR07025328.1	AABR07016572.1	Ccn2	Ccdc96	AABR07035541.2	Cdca8
AABR07044574.1	AABR07025787.1	AABR07017999.1	Ccn4	Ccn2	AABR07039210.1	Cdk1
AABR07045487.1	AABR07026311.1	AABR07018244.2	Ccna2	Ccn4	AABR07042875.1	Cdkn1a
AABR07049578.1	AABR07026805.2	AABR07019399.1	Ccnb1	Ccna2	AABR07043557.1	Cenpe
AABR07053516.1	AABR07027010.1	AABR07021022.1	Ccne2	Ccnb1	AABR07044366.1	Cenpf
AABR07060293.1	AABR07027575.1	AABR07024500.1	Ccnf	Ccnf	AABR07044375.1	Cenph
AABR07062136.1	AABR07027811.2	AABR07024972.1	Cdc20	Cdc20	AABR07044375.2	Ckap2l
AABR07062915.2	AABR07027811.3	AABR07025301.1	Cdca3	Cdc25b	AABR07044421.1	Cks1b
AABR07072761.1	AABR07028970.1	AABR07025787.1	Cdca8	Cdca3	AABR07044635.1	Dek
AC095390.1	AABR07029198.1	AABR07026002.1	Cdk1	Cdca8	AABR07049223.1	Dlgap5
AC109877.1	AABR07029605.1	AABR07026311.1	Cdkn1a	Cdk1	AABR07050283.2	Dnmt1
AC110690.1	AABR07029613.1	AABR07026361.2	Cenpe	Cdkn1a	AABR07053136.1	Dut
AC112350.1	AABR07029955.1	AABR07027575.1	Cenpf	Cenpe	AABR07053716.1	E2f8
AC114363.1	AABR07030019.1	AABR07027753.3	Cenph	Cenpf	AABR07055919.1	Ect2
AC116236.2	AABR07030156.2	AABR07027811.2	Cenpt	Cenph	AABR07058464.1	Eme1
AC118419.1	AABR07030200.1	AABR07027811.3	Cfl2	Ckap2l	AABR07059891.1	Fancd2
AC120066.1	AABR07030366.1	AABR07027910.1	Ckap2l	Cks1b	AABR07060291.1	Fanci
AC123095.1	AABR07030603.1	AABR07028352.1	Cks1b	Dek	AABR07060593.1	Fbxo5
AC127106.1	AABR07030603.2	AABR07029605.1	Cnpy4	Dlgap5	AABR07061614.1	Foxm1
AC128792.2	AABR07030861.1	AABR07029613.1	Cryab	Dnmt1	AABR07067526.1	Gaa
AC130741.1	AABR07030911.2	AABR07030200.1	Cxcl16	Dut	AABR07068127.1	Gadd45a
AC133400.1	AABR07031089.1	AABR07030265.1	Dek	E2f8	AABR07069282.1	H2afz
AC135310.2	AABR07031734.15	AABR07030462.1	Dlgap5	Ect2	AABR07069433.1	Haspin
AC141526.2	AABR07032751.1	AABR07030630.1	Dnmt1	Eme1	AABR07070810.1	Haus4
AY172581.10	AABR07032821.1	AABR07030861.1	Dtx3l	Espl1	AABR07071000.1	Hist1h1t
AY172581.18	AABR07033047.1	AABR07030911.2	Dtymk	Fancd2	AABR07072236.1	Hjurp
AY172581.2	AABR07033745.1	AABR07030914.1	Dut	Fanci	AABR07072559.2	Hmmr
AY172581.22	AABR07034315.1	AABR07031734.13	E2f8	Fbxo5	AC094126.2	Hspb2
AY172581.24	AABR07035074.1	AABR07031734.15	Ect2	Foxm1	AC095390.1	Hyls1
AY172581.9	AABR07035539.1	AABR07032751.1	Eme1	Gaa	AC099089.1	Idh2
Abhd5	AABR07035541.2	AABR07033020.1	Fam214b	Gadd45a	AC103090.1	Incenp
Actg2	AABR07035819.1	AABR07033047.1	Fancd2	H2afz	AC106663.1	Iqgap3
Actn1	AABR07036087.1	AABR07033162.1	Fanci	Haspin	AC112018.1	Kif11
Aen	AABR07036247.1	AABR07035317.1	Fbxo5	Haus4	AC112350.1	Kif20a
Aida	AABR07038873.1	AABR07035317.2	Foxm1	Hjurp	AC119015.4	Kif22
Ankrd1	AABR07038948.2	AABR07035339.1	G3bp2	Hmmr	AC119762.7	Kif2c
Anln	AABR07039037.1	AABR07035541.2	Gaa	Hoxb7	AC121413.2	Kifc1
Anp32e	AABR07039133.2	AABR07036016.1	Gadd45a	Hspb2	AC123425.1	Knstrn
Ap5b1	AABR07039210.1	AABR07036498.1	Gins3	Hyls1	AC129365.1	Kntc1
Arf5	AABR07040624.1	AABR07037356.1	Gpx8	Idh2	AC130232.1	Kpna2
Arhgap11a	AABR07040892.1	AABR07038895.2	H2afz	Ids	AC130391.1	LOC100359539
Arl2bp	AABR07042875.1	AABR07038939.1	Haspin	Ifi44	AC130391.5	LOC100359600
Arl6ip4	AABR07043557.1	AABR07039210.1	Haus4	Incenp	AC134224.1	Lamp1
Asf1b	AABR07043829.1	AABR07039210.2	Hjurp	Iqgap3	AC134224.2	Lmnbl

Aspm	AABR07044273.1	AABR07039303.4	Hmgb2	Kcnf1	AC134224.3	Lmnb2
Atad2	AABR07044366.1	AABR07039304.1	Hmnr	Kif11	AC142458.1	Lsm2
Atp6v1d	AABR07044375.1	AABR07039356.1	Hspb2	Kif20a	AY172581.20	Mad211
Aurka	AABR07044375.2	AABR07039483.1	Hyls1	Kif22	AY172581.24	Mcm10
Aurkb	AABR07044388.2	AABR07041778.1	Idh2	Kif23	Aaas	Mcm2
B2m	AABR07044421.1	AABR07042454.2	Incenp	Kif2c	Adamtsl5	Mcm3
B4galt5	AABR07044635.1	AABR07042611.1	Iqgap3	Kifc1	Adrb2	Mcm4
Bag2	AABR07044959.1	AABR07042875.1	Irf7	Knstrn	Aga	Mcm6
Bhlhe41	AABR07046628.1	AABR07043169.1	Itga7	Kntc1	Ahcy	Mdm2
Birc5	AABR07047011.1	AABR07043557.1	Kif11	Kpna2	Akt1	Mki67
Bloc1s3	AABR07047089.1	AABR07043844.1	Kif20a	LOC100359539	Aktip	Mybl2
Bok	AABR07047219.1	AABR07044001.1	Kif22	LOC100359600	Alyref	Nasp
Bub1	AABR07049223.1	AABR07044366.1	Kif2c	LOC100364062	Anapc15	Ncapd2
Bub1b	AABR07049353.1	AABR07044375.1	Kifc1	LOC102547056	Ankrd49	Ncapg
Cadm4	AABR07049695.2	AABR07044375.2	Klf2	Lamp1	Anp32e	Ncapg2
Car5b	AABR07049755.1	AABR07044420.1	Knstrn	Lmnb1	Apol9a	Ncaph
Carhsp1	AABR07050283.2	AABR07044421.1	Kntc1	Lmnb2	Arhgap11a	Ndc80
Casq2	AABR07051240.1	AABR07044593.1	Kpna2	Lsm2	Arhgdia	Nrm
Ccdc17	AABR07052430.1	AABR07044635.1	LOC100359539	Mad211	Arl4a	Nuf2
Ccdc47	AABR07053136.1	AABR07044959.1	LOC100359600	Mcm10	Asf1b	Nup85
Ccdc96	AABR07053152.1	AABR07049223.1	LOC290595	Mcm2	Aspm	Nusap1
Cchr1	AABR07053166.1	AABR07049792.1	Lamp1	Mcm3	Atad2	Orc6
Ccn2	AABR07053516.1	AABR07050283.2	Lmnb1	Mcm4	Atad5	P2rx4
Ccn4	AABR07053716.1	AABR07051399.1	Lmnb2	Mcm6	Atg12	Pbk
Ccna2	AABR07055539.2	AABR07051450.1	Lsm2	Mdm2	Atp6v1d	Pclaf
Ccnb1	AABR07055919.1	AABR07053136.1	Mad211	Mki67	Aunip	Phlda3
Ccne2	AABR07055943.1	AABR07053669.1	Mcm10	Mybl2	Aurka	Pla2g15
Ccnf	AABR07057190.1	AABR07053707.1	Mcm2	Nasp	Aurkb	Plk1
Cd164	AABR07057237.1	AABR07053716.1	Mcm3	Ncapd2	B2m	Plk2
Cdc20	AABR07057250.1	AABR07053734.1	Mcm4	Ncapg	Bak1	Plk4
Cdc25b	AABR07057683.1	AABR07054266.1	Mcm6	Ncapg2	Bdh2	Pole
Cdc34	AABR07058464.1	AABR07054368.1	Mdm2	Ncaph	Birc5	Prc1
Cdca3	AABR07059891.1	AABR07055919.1	Mki67	Ndc80	Bicap	Prim1
Cdca8	AABR07060291.1	AABR07058287.1	Mybl2	Neur12	Bora	Psat1
Cdk1	AABR07060593.1	AABR07058464.1	Nasp	Nrm	Borcs6	Ptma
Cdkn1a	AABR07061614.1	AABR07059198.1	Ncapd2	Nuf2	Brca1	Pttg1
Cdkn2c	AABR0706277.2	AABR07059891.1	Ncapg	Nup85	Btbd19	Racgap1
Cenpe	AABR07062599.1	AABR07060291.1	Ncapg2	Nusap1	Btg2	Rad21
Cenpf	AABR07063581.2	AABR07060593.1	Ncaph	Orc6	Bub1	Rfc5
Cenph	AABR07063829.2	AABR07061614.1	Ncaph2	P2rx4	Bub1b	Rhob
Cenpt	AABR07065438.1	AABR07062138.1	Ndc80	Pbk	Cavin2	Rogdi
Cfl2	AABR07067042.2	AABR07062138.2	Necab3	Pclaf	Cbx3	Rpa2
Cggbp1	AABR07067526.1	AABR07063082.1	Nrm	Phlda2	Ccn2	Rpa3
Chfr	AABR07068127.1	AABR07065265.1	Nuf2	Phlda3	Ccn4	Rrm1
Chst12	AABR07068150.1	AABR07065970.1	Nup85	Pla2g15	Ccna2	Sgo1
Chsy1	AABR07068285.2	AABR07067506.1	Nusap1	Plk1	Ccnb1	Shcbp1
Ckap2l	AABR07069282.1	AABR07067526.1	Orc6	Plk2	Ccne1	Ska1
Cks1b	AABR07069433.1	AABR07067583.1	P2rx4	Plk4	Ccnf	Ska3
Cnpy4	AABR07069490.1	AABR07068127.1	Pbk	Pole	Cct4	Slbp
Col18a1	AABR07070810.1	AABR07068253.1	Pclaf	Prc1	Cdc20	Smc2
Cryab	AABR07071000.1	AABR07068316.1	Phlda3	Prim1	Cdc20	Smc4
Cxcl16	AABR07071779.2	AABR07069282.1	Pimreg	Psat1	Cdc45	Spag5
Dek	AABR07072236.1	AABR07069433.1	Pla2g15	Ptma	Cdc6	Spc25
Des	AABR07072559.2	AABR07069462.1	Plk1	Pttg1	Cdc7	Srsf7
Dlgap5	AC094126.2	AABR07070161.3	Plk2	Racgap1	Cdca2	Stil
Dnajb4	AC094217.1	AABR07070810.1	Plk4	Rad21	Cdca3	Stmn1
Dnmt1	AC094647.1	AABR07071000.1	Pole	Rasl2-9	Cdca4	Tacc3
Dtx3l	AC095390.1	AABR07072236.1	Prc1	Rfc5	Cdca7	Tcf19
Dtymk	AC095678.1	AABR07072559.2	Prim1	Rhob	Cdca8	Timeless
Dusp4	AC095947.1	AABR07072761.1	Psat1	Rogdi	Cdk1	Tk1
Dut	AC096239.2	AABR07073038.1	Ptma	Rpa2	Cdk2	Top2a
E2f8	AC098125.3	Aamp	Pttg1	Rpa3	Cdkn1a	Top2b
Ect2	AC099089.1	Abtb1	Pycard	Rps6ka4	Cdkn1b	Trp2
Edem1	AC099453.2	AC094126.2	RGD1560010	Rrm1	Cdt1	Trp2
Eef1	AC103024.1	AC094643.1	Racgap1	S100a10	Cenpa	Ttk
Eef1g	AC103090.1	AC094643.2	Rad21	Sgo1	Cenpe	Ube2c
Eme1	AC106663.1	AC095390.1	Rfc3	Shcbp1	Cenpf	Ube2s
Espl1	AC112018.1	AC099089.1	Rfc5	Ska1	Cenph	Uhrf1
Fam168b	AC112350.1	AC099137.1	Rhob	Ska3	Cenpo	Usp1
Fam214b	AC118419.1	AC103090.1	Rogdi	Slbp	Cenpu	Wdhd1
Fancd2	AC118772.2	AC106663.1	Rpa2	Slc38a7	Cenpw	Zwint
Fanci	AC118772.3	AC107096.2	Rpa3	Smc2	Cep295	
Fbxo5	AC119015.4	AC110351.2	Rrm1	Smc4	Cep55	

Fgf22	AC119496.1	AC112018.1	Sgo1	Spag5	Chaf1a
Foxa2	AC119762.3	AC112350.1	Shcbp1	Spc25	Chaf1b
Foxm1	AC119762.7	AC114460.1	Siglec10	Srsf7	Chmp1a
G3bp2	AC120262.2	AC115420.2	Siva1	Stil	Chpf2
Gaa	AC120486.3	AC116236.2	Ska1	Stmn1	Cip2a
Gadd45a	AC120486.9	AC119015.4	Ska3	Tacc3	Ckap2l
Galnt1	AC121413.2	AC119762.7	Slbp	Tcf19	Cks1b
Gins3	AC123425.1	AC120096.3	Slc20a2	Timeless	Cks2
Glt8d1	AC126899.1	AC120246.2	Slc25a10	Tk1	Clba1
Gm23880	AC127784.2	AC121413.2	Smc2	Tlr5	Clu
Gpx8	AC128207.2	AC122625.1	Smc4	Tmem101	Cnmn4
Grwd1	AC128960.1	AC122630.1	Spag5	Tmem150a	Cnot9
H2afx	AC129365.1	AC123425.1	Spc25	Tnfaip8l1	Col3a1
H2afz	AC130232.1	AC124205.1	Srsf7	Top2a	Cot1c
H3f3c	AC130232.2	AC126572.7	Stil	Tpm3	Cry2
Hacd1	AC130391.1	AC126897.1	Stmn1	Tpx2	Cst3
Haspin	AC130391.5	AC127920.1	Tacc3	Troap	Ctsa
Haus4	AC134224.1	AC128212.1	Tcf19	Ttk	Ctsb
Hist1h1t	AC134224.2	AC129365.1	Timeless	Tuba1b	Cyp1a1
Hjurp	AC134224.3	AC130232.1	Tk1	Ube2c	Dbn1
Hmgb2	AC141028.1	AC130391.1	Tob1	Ube2s	Dctpp1
Hmmr	AC141152.1	AC130391.5	Top2a	Uhrf1	Ddit3
Hoxb7	AC142138.1	AC131360.1	Tpx2	Usp1	Ddit4
Hspb2	AC142180.1	AC134224.1	Trim25	Wdhd1	Ddx11
Htra1	AC142458.1	AC134224.2	Troap	Zwint	Ddx39a
Hyls1	AY172581.20	AC134224.3	Tspo		Dek
Icam1	AY172581.24	AC139392.1	Ttk		Depp1
Idh2	Aaas	AC141220.2	Tusc2		Dhfr
Ids	Abcc5	AC141377.3	Ubald2		Dlgap5
Ifi30	Abcd1	AC141966.1	Ube2c		Dnajb9
Ifi44	Abcd4	AC142458.1	Ube2s		Dnajc9
Igfbp6	Abhd14b	Aaas	Uhrf1		Dnmt1
Incenp	Abhd4	Acad11	Usp1		Dpp7
Ins2	Adam19	Acadm	Wdhd1		Dscc1
Ip6k1	Adam8	Acads	Zwint		Dsn1
Iqgap3	Adamts4	Acot7			Dstn
Irf7	Adamts7	Actb			Dtl
Itga7	Adamtsl5	Actl7b			Dtx3
Itpr3	Adipor1	Actr1b			Dut
Jpt1	Adm	Actr3			Dvl2
Jsrp1	Adrb2	Acy3			Dyrk1b
Kcnf1	Aen	Adam15			E2f4
Kif11	Aga	Adamtsl5			E2f8
Kif20a	Ahcy	Adgra2			Eci1
Kif22	Ahr	Ado			Ect2
Kif23	Ahsp	Adrb2			Eef2
Kif2c	Ajuba	Adss			Ehmt2
Kifc1	Akr1b1	Aga			Eme1
Klf2	Akt1	Agpat1			Emg1
Klhl9	Aktip	Agpat2			Epha7
Knstrn	Aldh2	Ahcy			Ephx1
Kntc1	Aldh7a1	Ahsa1			Ercc6l
Kpna2	Alg8	Akr1c14			Ergic3
LOC100359539	Alyref	Akt1			Etv5
LOC100359600	Amotl2	Akt1s1			Exo1
LOC100362333	Anapc15	Aktip			Exosc8
LOC100364062	Ankh	Alas1			F11r
LOC100910678	Ankrd49	Aldh5a1			F2r1
LOC102547056	Ankzf1	Alg10			Fadd
LOC290595	Anp32e	Alkbh7			Fam111a
LOC317456	Anxa1	Alyref			Fam3a
LOC499331	Anxa3	Amdhd2			Fam83d
Lamp1	Apol9a	Anapc1			Fancd2
Lfng	Apold1	Anapc15			Fanci
Lgals3	App	Anoptl4			Fbl
Lgals3bp	Arhgap11a	Ankrd13a			Fbxo5
Lix1l	Arhgap19	Ankrd49			Fen1
Lmf2	Arhgap23	Ankrd52			Figl1
Lmnbl	Arhgap29	Ankrd53			Fkbp4
Lmnbl2	Arhgdia	Anln			Flcn
Lsm2	Arl4a	Anp32b			Foxm1
Mad2l1	Arl6ip1	Anp32e			Ftl1
Mapk6	Arpc4	Anxa1			Fzd2



Mcm10	Asap1	Aox1	G2e3
Mcm2	Asf1b	Ap2a2	G3bp1
Mcm3	Aspm	Api5	Gaa
Mcm4	Atad2	Apol9a	Gabarapl1
Mcm6	Atad5	Aqp1	Gadd45a
Mdm2	Atg12	Aqp8	Gadd45g
Mid1ip1	Atp1a1	Areg	Gale
Mir1956	Atp2b1	Arfip2	Gas2l3
Mir33	Atp2b4	Arhgap11a	Gbp2
Mir3564	Atp6v1d	Arhgap4	Gfpt1
Mir615	Atraid	Arhgdia	Gga2
Mki67	Atrn	Arl2bp	Ggt1
Mmp11	Atxn7l3b	Arl4a	Gigyf1
Mob4	Aunip	Arm7	Gins1
Mras	Aurka	Arpc5	Gins4
Mt1m	Aurkb	Arrdc3	Giot1
Mybl2	Avpi1	Asf1b	Gja1
Myod1	Axl	Asl	Gltf
Nagpa	B2m	Asmtl	Gnptg
Nanos1	B3galt4	Aspm	Gpd1l
Nans	B4galt5	Atad2	Gpnmb
Nasp	B9d2	Atad5	Gpr146
Ncapd2	Babam1	Atf5	Gpr88
Ncapg	Bak1	Atg101	Gprasp2
Ncapg2	Bard1	Atg12	Gprin3
Ncaph	Bax	Atp1b1	Gpsm2
Ncaph2	Baz2a	Atp2b4	Grina
Ndc80	Bcat1	Atp5f1e	Gtpbp2
Ndrp1	Bccip	Atp6v0d1	H2afz
Necab3	Bcl2l1	Atp6v1a	Haspin
Neurl2	Bcl2l12	Atp6v1b2	Hat1
Nhlrc3	Bdh2	Atp6v1d	Haus4
Nono	Becn1	Atp6v1f	Hbp1
Nrm	Birc5	Atp6v1g1	Hirip3
Nsmce4a	Bicap	Aunip	Hist1h1c
Nuf2	Bmp1	Aurka	Hist1h1d
Nup85	Bmp2	Aurkb	Hist1h1t
Nusap1	Bod1	Avpr2	Hist1h2bd
Olr1684	Bok	AY172581.20	Hjurp
Orc6	Bora	AY172581.24	Hmmr
P2rx4	Borcs6	AY172581.9	Hmox1
Parp14	Brca1	B2m	Hnrnpa1
Parp9	Brca2	B3gnt9	Homer3
Pbk	Bsg	Bak1	Hoxc8
Pclaf	Bst2	Bbip1	Hsd1l
Phlda2	Btbd19	Bbs10	Hsp90b1
Phlda3	Btg2	Bcdin3d	Hspa5
Pimreg	Btn2a2	Bckdha	Hspb2
Pla2g15	Bub1	Bcl2l11	Hyls1
Plin2	Bub1b	Bdh2	Hyou1
Plk1	Bzw2	Bhlhe41	ldh2
Plk2	C1qtnf5	Birc5	ler5
Plk4	C1rl	Bicap	ll6r
Pmepa1	C1s	Bles03	Incenp
Pole	Calr	Bmf	lp6k2
Prc1	Car1	Bnip3l	lqgap3
Prdx2	Car9	Bora	lsg15
Prim1	Casp8ap2	Borcs6	ltgb1bp1
Prss23	Cast	Brca1	ltm2c
Psat1	Cavin2	Bri3	Jag2
Ptma	Cbx3	Btbd19	Kcnn4
Pttg1	Cc2d1a	Btg2	Kif11
Pycard	Ccdc163	Bub1	Kif20a
Pycr2	Ccdc43	Bub1b	Kif20b
Pygo2	Ccdc80	C1qtnf6	Kif22
RF00265	Ccdc9b	C1r	Kif2c
RF00288	Ccn1	C1s	Kif4a
RF00438	Ccn2	Cacybp	Kifc1
RF00594	Ccn4	Cad	Klhdc3
RF00614	Ccna2	Calml3	Klh24
RF01294	Ccnb1	Calml4	Klh31
RGD1560010	Ccne1	Camk1	Klh41
Racgap1	Ccne2	Car5b	Knstrn

Rad21	Ccnf	Carm1	Kntc1
Ras12-9	Ccng1	Cavin1	Kpna2
Rbmx	Cct4	Cavin2	Krt26
Rfc3	Cct7	Cbx3	LOC100359539
Rfc5	Ccz1b	Cc2d1b	LOC100359583
Rfwd3	Cd63	Ccdc115	LOC100359600
Rgs2	Cd80	Ccdc189	LOC102546716
Rhob	Cdc20	Ccdc96	LOC102547645
Rnase17	Cdc42ep1	Ccl21	LOC102553785
Rnf181	Cdc42ep2	Ccn2	LOC102555453
Rogdi	Cdc45	Ccn4	LOC498368
Rpa2	Cdc6	Ccna2	LOC684773
Rpa3	Cdc7	Ccnb1	LOC686013
Rpp38	Cdca2	Ccnd3	LOC688459
Rps6ka4	Cdca3	Ccndbp1	LOC689412
Rps6kb1	Cdca4	Ccne1	Lamb2
Rrm1	Cdca7	Ccnf	Lamp1
S100a10	Cdca8	Ccp1	Lamp2
Sat1	Cdipt	Ccp1os	Laptm4a
Sdf2l1	Cdk1	Cct4	Las1l
Selenoh	Cdk2	Cct6a	Ldb1
Sfrp2	Cdk2ap2	Cd1d1	Lgmn
Sgo1	Cdkn1a	Cd320	Lig4
Shcbp1	Cdkn1b	Cd37	Limd2
Siglec10	Cdt1	Cd3eap	Lmnb1
Siva1	Cebpa	Cdc20	Lmnb2
Ska1	Cebpg	Cdc25b	Loxl4
Ska3	Cenpa	Cdc42ep2	Lrrcc1
Skil	Cenpe	Cdc45	Lsm2
Slbp	Cenpf	Cdc6	Lsm3
Slc20a2	Cenph	Cdc7	Lsm4
Slc25a10	Cenpm	Cdca2	Lsm8
Slc35c1	Cenpo	Cdca3	Lyar
Slc38a7	Cenpt	Cdca4	Mad211
Smarcd2	Cenpu	Cdca7	Maf
Smc1a	Cenpw	Cdca8	Mapre3
Smc2	Cep170b	Cdh3	Mbd3
Smc4	Cep250	Cdhr1	Mcm10
Socs1	Cep295	Cdk1	Mcm2
Sohlh1	Cep55	Cdk2	Mcm3
Spag5	Cerk	Cdk2ap2	Mcm4
Spc25	Cetn2	Cdk5r1	Mcm5
Srsf7	Cetn4	Cdkn1a	Mcm6
Stbd1	Cfl2	Cdkn1b	Mcm7
Stil	Chac1	Cdr2	Mdm2
Stmn1	Chaf1a	Cdt1	Mepe
Syng2	Chaf1b	Cebpa	Mfsd1
Syt8	Chchd1	Cenpa	Mir146b
Tacc3	Chchd7	Cenpb	Mir196c
Tcf19	Chmp1a	Cenpe	Mirlet7d
Tedc1	Chmp4c	Cenpf	Mis18a
Tgfb2	Chpf2	Cenph	Mk1
Tgfb3	Chrac1	Cenpo	Mki67
Timeless	Chtf18	Cenpu	Mme
Tk1	Cip2a	Cenpw	Msln
Tlr5	Cisd1	Cep295	Mtss1l
Tm4sf1	Ckap2	Cep55	Mxd1
Tmem101	Ckap2l	Cfap298	Mxd4
Tmem150a	Cks1b	Cfh	Mybl2
Tmem199	Cks2	Chaf1a	Nap113
Tmem38b	Clba1	Chaf1b	Nasp
Tnfaip8l1	Clcf1	Chmp1a	Ncapd2
Tob1	Cldn12	Chmp5	Ncapd3
Top2a	Cldnd1	Chpf2	Ncapg
Tpm3	Clec2dl1	Chst12	Ncapg2
Tpx2	Clip2	Chst14	Ncaph
Trim25	Clspn	Churc1	Ndc80
Troap	Cltb	Cip2a	Nfat5
Tspan13	Clu	Ckap2l	Nnt
Tspo	Cmtm3	Ckap4	Nrm
Ttk	Cnm4	Ckap5	Nucks1
Tuba1b	Cnot9	Cks1b	Nuf2
Tusc2	Cnppd1	Cks2	Numbl

Tymp  
Ubald2  
Ube2c  
Ube2s  
Ucp2  
Uhrf1  
Usp1  
Wdhd1  
Wnt4  
Ykt6  
Zfp395  
Zfp513  
Zwint

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Col3a1  
Col4a5  
Col5a1  
Col5a2  
Col6a1  
Col6a2  
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Cpt1c  
Creb3  
Creld2  
Cry2  
Cryab  
Cspg4  
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Ctsa  
Ctsb  
Ctsd  
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Cyp1b1  
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Eci1

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Clu  
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Cnot9  
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Cnpy2  
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Col3a1  
Comm4  
Comm8  
Comtd1  
Cox6a2  
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Cpt1c  
Crat  
Crebrf  
Creld1  
Crot  
Cry2  
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Ctps1  
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Orc6  
Osgin1  
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Palb2  
Paqr4  
Pbk  
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Plk1  
Plk2  
Plk4  
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Pnrc1  
Pold1  
Pold2  
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Ppat  
Ppm1g  
Pqlc2  
Prc1  
Prim1  
Psap  
Psat1  
Psccl1  
Psmc3ip  
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Ptma  
Pttg1  
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RF00492  
RF00582  
RF00586  
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Rad21  
Rad51  
Rad51ap1  
Ranbp1  
Rangap1  
Rapsn  
Rasl11b  
Rbmx2

Ect2  
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Eef1g  
Eef2  
Efna4  
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Eif3d  
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Emc8  
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Esy1  
Etv3  
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Exosc2  
Exosc8  
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Fen1  
Fermt2  
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Fhod1  
Fign1  
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Flnc  
Flrt3  
Fnip2  
Fosl2  
Foxm1  
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Fzd2  
Fzd5  
G2e3

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Eif4ebp2  
Eif5a  
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Elk4  
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Emp3  
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Enpep  
Entpd4  
Epha7  
Ephx1  
Epn2  
Eps8l2  
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Ercc6l  
Ereg  
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Erlec1  
Erlin1  
Ermard  
Esp1  
Etfrf1  
Etv5  
Evi2a  
Exo1  
Exoc3l1  
Exosc8  
Extl3  
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Ezh2  
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F2r  
F2r1  
F3  
Fabp3  
Fadd  
Fam107b  
Fam110b  
Fam111a  
Fam136a  
Fam168b  
Fam229a

Rbmx1b  
Rcc2  
Reep3  
Retreg3  
Rfc2  
Rfc5  
Rhob  
Rhod  
Rnd3  
Rnf166  
Rnps1  
Rogdi  
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Rpa3  
Rrm1  
Rrm2  
Samd9  
Sapcd2  
Scarf2  
Sec22b  
Sema3b  
Serpib7  
Serpib8  
Sesn2  
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Sft2d3  
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Sh3gl1  
Shc1  
Shcbp1  
Ska1  
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Slc35d2  
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Slc7a5  
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Smc2  
Smc4  
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Snrpb  
Snrpf  
Snx33  
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Spag5  
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Srsf7  
Ssr3  
Ssrp1  
St3gal1  
Stil  
Stip1  
Stmn1  
Suv39h11  
Svbp  
Syde1  
Tacc3  
Tap1

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Gaa  
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Gabarapl1  
Gadd45a  
Gadd45g  
Gale  
Gas2l3  
Gata2  
Gata3  
Gbp2  
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Gigyf1  
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Gins4  
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Gja1  
Gja4  
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Glb1l2  
Glr3  
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Gmfg  
Gmip  
Gnptg  
Golt1b  
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Gpank1  
Gpd1l  
Gper1  
Gpi  
Gpn1  
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Gprc5a  
Gprin3  
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Hist2h2be

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Traip  
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Ung  
Usp1  
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Wdhd1  
Wdr5  
Yod1  
Ypel5  
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Zwint

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Hr	Haspin
Hsd11	Hat1
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Hspa13	Hbp1
Hspa5	Hdgf
Hspa9	Hexa
Hspb2	Hexim2
Htr2a	Hfe
Hyal2	Hgh1
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Hyou1	Higd2a
ld4	Hint2
ldh2	Hirip3
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ler3	Hist1h1d
ler5	Hist1h1t
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Ifitm2	Hist1h2ail1
Ifngr2	Hist1h2ao
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Ikkip	Hist1h2bk
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Il6r	Hist1h4b
Il6st	Hist2h2be
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Incenp	Hjv
Ing1	Hmga1
Inpp5d	Hmgcl
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Lig4	Lamp2
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Limk2	Laptm4b
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Lox	Ldlr

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Metrl	Loxl2
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Mgme1	Lrrc75b
Mldn	Lrrcc1
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Mir196c	Lsm2
Mir22	Lsm3
Mir221	Lsm4
Mir222	Lsm8
Mir3064	Lsmem2
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Mir6326	Lyar
Mirlet7c2	Lym2
Mirlet7d	Lztf1
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Mki67	Maf1
Milt11	Manea
Mmab	Map3k6
Mme	Mapre3
Mmp19	March3
Mms22l	Mbd3



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Mrpl28	Mcm6
Mrpl35	Mcm7
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Mrps18b	Me2
Msln	Med1
Msmg	Med25
Mt1	Med31
Mt2A	Med6
Mtss11	Med9
Mxd1	Mepe
Mxd4	Mex3c
Mxra8	Mfsd1
Mybl1	Mfsd11
Mybl2	Mief2
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Myof	Mir146b
Myrf	Mir196c
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Nacc2	Mir2964
Nagk	Mir3074
Nap113	Mir874
Nasp	Mirlet7d
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Nfe2l2	Mrpl45
Nicn1	Mrpl52
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Nkiras2	Mrps6
Nlgn2	Mrto4
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Nucks1	Mxd4
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Nuf2	Mybl2
Numbl	Myc
Nup107	Mynn
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Nup85	Nap1i3
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Nxt1	Ncapd2

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Otulinl	Ndc1
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Pa2g4	Ndufb2
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Paqr4	Nfat5
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Pbk	Nhirc3
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Pcna	Nme3
Pcolce	Nnt
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Pfas	Nrbp2
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Pgp	Nsun2
Pgpep1	Nt5c
Pgrmc1	Nucks1
Pgrmc2	Nuf2
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Phf19	Nup107
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Phldb3	Nup43
Phospho1	Nup85
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Pif1	Nxph3
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Pik3ip1	Orc6
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Pinlyp	P2rx4
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Plag1	Pa2g4
Plat	Pak1ip1
Plcd3	Pak4
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Plcg1	Paqr4
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Pls1	Pcdhga4
Plscr3	Pcdhga7

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Postn	Pfkm
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Ptprf	Plk2
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RT1-S3	Psenen
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Rack1	Ptges3
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Rad21	Ptgs1
Rad51	Ptma
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Rad51c	Pts
Rad54l	Pttg1
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Rcc2	Rad51
Rdm1	Rad51ap1
Reck	Ran
Reep3	Ranbp1
Reep4	Rangap1
Resf1	Rapsn
Retreg3	Rasd1
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Rfc2	Rasl2-9
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Rfc4	Rbm5
Rfc5	Rbmx2
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Rhob	Rcc2
Rhod	Recql4
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Riok3	Relt
Ripor1	Renbp
Rnd1	Retreg3
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Rnf19a	RF00405
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Samd9	RT1-S3
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Scrn1	Rybp
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Sema4b	Samd1
Sephs2	Samd9
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Serpine2	Sdc1
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Stn1	Stil

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Stmn1  
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Tent5a  
Terf2ip  
Tex264  
Tex30  
Tfdp1  
Tfrc  
Tgif1  
Tgoln2  
Thap12  
Thap3  
Them6  
Thra  
Thyn1  
Ticrr  
Tigd2  
Timeless  
Timp2  
Tipin1  
Tk1  
Tle2  
Tlr5  
Tm4sf1  
Tmed3  
Tmem101  
Tmem106c  
Tmem109  
Tmem127  
Tmem132a  
Tmem138  
Tmem140  
Tmem150a  
Tmem160  
Tmem185b  
Tmem203  
Tmem205  
Tmem208  
Tmem256  
Tmem43  
Tmem59  
Tmem80  
Tmem97  
Tmpo  
Tnfaip8I1  
Tnfrsf26  
Tnip1  
Tnnc1  
Tonsl

Tp53inp1  
Tp53inp2  
Tpcn1  
Tpm1  
Tpp1  
Tpx2  
Traf4  
Traf4d1  
Traip  
Trim25  
Trim34  
Trim47  
Trip13  
Trip6  
Trmt10a  
Trmt112  
Troap  
Tsc22d1  
Tsc22d2  
Tsc22d3  
Tsn  
Tspan5  
Tspo  
Tssk6  
Ttf2  
Ttk  
Tubb5  
Tube1  
Tubg1  
Tubgcp2  
Tusc2  
Tvp23b  
Txnip  
Tyro3  
U2af1  
Uba5  
Ubald2  
Ube2c  
Ube2s  
Ube2t  
Ubqln2  
Ubt1  
Ubxn4  
Ugcg  
Ugdh  
Ugt1a1  
Uhrf1  
Unc119  
Ung  
Upk3b  
Usp1  
Vat1  
Vegfd  
Vgll3  
Vps26b  
Wbp11  
Wdfy1  
Wdhd1  
Wdr5  
Wipi1  
Wls  
Xdh  
Xkr5  
Xrcc2  
Yod1  
Ypel5  
Zbtb4  
Zbtb8os  
Zc2hc1a  
Zcchc3  
Zdhhc9  
Zfand5  
Zfp219

Top2a  
Topbp1  
Tp53inp1  
Tpm3  
Tpp1  
Tpra1  
Tprn  
Tpx2  
Traf4  
Traip  
Trib2  
Trim34  
Trip13  
Troap  
Tsc22d3  
Tspan3  
Tssk3  
Ttc30b  
Ttk  
Ttl13  
Tuba1b  
Tubb4b  
Tubb5  
Tubb6  
Tufm  
Tulp3  
Tvp23b  
Txnrd1  
U2af1  
Uap1  
Uap111  
Ube2c  
Ube2g2  
Ube2s  
Ube2t  
Ubiad1  
Ubqln4  
Uchl1  
Uck1  
Ufsp1  
Ugdh  
Ugt1a1  
Uhrf1  
Ung  
Usp1  
Vamp1  
Vamp2  
Vamp3  
Vars  
Vgll4  
Vhl  
Vim  
Vkorc1  
Vps11  
Washc2c  
Washc3  
Washc5  
Wbp11  
Wdhd1  
Wdr1  
Wdr45  
Wdr5  
Wdr81  
Wee1  
Wrb  
Wsb2  
Xylb  
Xylt2  
Yipf2  
Yipf3  
Yod1  
Ypel3  
Ypel5



	Zfp266 Zfp292 Zfp385a Zfp512b Zfp703 Zfp706 Zfp846 Zfp964 Zfr Zmat2 Zmat3 Zscan25 Zswim4 Zwint Zyx mrpl11	Ywhaz Zadh2 Zbtb5 Zbtb9 Zer1 Zfp219 Zfp358 Zfp467 Zfp523 Zfp579 Zfp580 Zfp597 Zfp688 Zfp691 Zmynd10 Znf740 Zscan25 Zwilch Zwint Zyx				
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