Gene:			MmusGATA4		GgalGATA4		DrerGATA4		*DrerGATA4-ogm*		FfuGATA4		*FfuGATA4-ogm*		GacuGATA4		*GacuGATA4-ogm*		OlatGATA4		*OlatGATA4-ogm*	
Chromosome/	Hsa8	(mb)	Mmu14	(mb)	Ggal3	(mb)	Dre20	(mb)	Dre17	(mb)	Scaffold_72	(mb)			groupXVIII	(mb)	groupXV+L128	(mb)	Olat24	(mb)	Olat22	(mb)
MSRA	MSRA	9.900	Msra	64.700	MSRA	109.3	Msra (si:dke	40.000							MSRA	3.190	MSRA (ENSGAC	7.540	MSRA	104K	MSRA ENSOR	8.790
	RP1L1	10.500	Rp1l1	64.600	-																	
SOX7	**SOX7**	10.600	**Sox7**	64.500	**SOX7**	109.6	Sox7	19.100			**Sox7**	202K			**SOX7**	10.830			**SOX7**	13.820		
PINX1	**PINX1**	10.660	**Pinx1**	64.470	**PINX1 (ENSG**	109.62									**PINX1**	10.830			**PINX1**	13.830		
XKR6	**XKR6**	10.700	**Xkr6**	64.400	**XKR6**	109.7	Xkr6 (si:dke	18.900				140K			**XKR6 (1 of 2)**	10.870			**XKR6 (1 of**	13.880		
MTMR9	**Mtmr9**	11.100	**Mtmr9**	64.100	**Mtmr9 (NP_0**	109.9			**MTMR9 (zqc:15**	1.050	**MTMR9**	174K			**MTMR9 (ENSGA**	10.850	**MTMR9 (ENSG**	4.150	**MTMR9**	13.870	**MTMR9b (ENSORLG0000**	
TDH	**TDH**	11.230	**TDH**	64.100	TDH	109.9	**TDH**	19.200	**TDH (zqc:1655**	1.040	**TDH**	182K			**TDH (ENSGACG**	10.850	**TDH (ENSGAC**	4.150	**TDH (ENSOI**	13.850	**TDHb (ENSC**	16.590
BLK	**BLK**	11.300	BLK	64.000	BLK	110									**BLK (ENSGACG0**	10.790						
C18ORF13	**c18orf13**	11.310	**?**		***?***				C18ORF13 (LOC!	1.070					**c18orf13**	10.920	**c1orf90**	4.150	**c18orf13**	13.950	**c1orf90**	16.580
C14ORF149															C14orf149 (ENSG	10.270			c14orf149 (E	17.260		
DAAM1															DAAM1 (1 of 2) (E	10.230			DAAM1 (ENS	17.240		
PPP1R13B															PPP1R13B (1 of 2	10.210			PPP1R13B (1	17.130		
ESNA1											Xkr6 (NP_001027884.1)				ESNA1 (1 of 2) (E	10.200			ESNA1 (1 of	17.100		
C8orf14	C8orf14	11.400	C8orf14	64.000	C8orf14	110																
GATA4	**GATA4**	11.600	**GATA4**	63.800	**GATA4**	110.1	**gata4**	54.700			**GATA4**	729K			**GATA4**	10.170			**GATA4**	17.080		
NEIL2	NEIL2	11.600	NEIL2	63.800	NEIL2	110.1																
FDFT1	**FDFT1**	11.700	**Fdft1**	63.800	**FDFT1**	110.1	**(Fdft1) LOC**	54.200			**FDFT1**	738K			**FDFT1**	10.160			**FDFT1**	17.060		
CTSB	***CTSB***	11.700	***CTSB***	63.700	***CTSB***	110.1					***CTSB***	743K			**CTSB (2 of 2)**	10.160			**CTSB**	17.060		
ABHD1			ABHD1								abhd1	744K			ABHD1 (ENSGACC	10.150			ABHD1 (ENS	16.920		
PRKG1															PRKG1-like (ENSG	10.140			PRKG1-like (I	17.040		
KCNK2			ZNF395	65.990	ZNF395	108.45									KCNK2 (2 of 2)(EI	10.120			KCNK2 (1 of	17.040		
HLX1	**KCNQ?**	133.210			***ENSGALG00000005822***		hlx1	54.490							hlx1	9.770						
	SAMD?	119.000			***ENSGALG00000006007***																	
															LAMA2	7.110						

Gene:			HsapGATA5		MmusGATA5		GgalGATA5		DrerGATA5		*DrerGATA5-ogm*		FuguGATA5		*FfuGATA5-ogm*		GacuGATA5		*GacuGATA5-ogm*		OlatGATA5		*OlatGATA5-ogm*	
Chromosome/	Hsa20	(mb)			Mmu2	(mb)	Ggal20	(mb)	Dre23	(mb)	Dre23	(mb)	Scaf_7581	4898bp		(mb)	XII_2	(mb)	groupXII		Olat7	(mb)	Olat7	(mb)
	TAF4	59.983			TAF4	179.646	TAF4	7.652									TAF4	10.017					TAF4	18.419
	PSMA7	60.145			PSMA7	179.771	PSMA7	7.715															PSMA7	
	SS18L1	60.152			SS18L1	179.777	SS18L1	7.721																
	HRH3	60.223			HRH3	179.834	HRH3	7.752																
OSBPL2	**OSBPL2**	60.200			**Osbp12**	179.800	**OSBPL2**	7.7	**osbpl2**	7.150	**osbpl2b (LOC5**	29.700					**OSBPL2 (1 of 2)**	6.590	**OSBPL2 (2 of**	15.600	**OSBPL2 (2**	5.940	**OSBPL2 (1**	22.160
ADRM1	**ADRM1**	60.300			**Adrm1**	179.900	**ADRM1**	7.8	**adrm1b**	7.200							**ADRM1 (1 of 2)**	13.040	**ADRM1 (1 of**	15.660			**ADRM1 (1 o**	22.180
LAMA5	LAMA5	60.300			LAMA5	179.900	LAMA5	7.8	lama5	7.200							LAMA5	13.040						
CABLES2	**CABLES2**	60.300			**Rps21**	179.900	**CABLES2**	7.9	**(Cables2) X**	6.750	CABLES2 (2 of 2	15.650					**CABLES2 (1 OF**	13.470	**CABLES2 (2 O**	15.600			**CABLES2**	22.190
RPS21	**RPS21**	60.300			**Cables2**	179.900	**RPS21**	7.9	**rps21**	6.860									rsp21?	n/a	**RPS21**	0.610		
GATA5	**GATA5**	60.400			**GATA5**	180.000	**GATA5**	8	**gata5**	5.360			**GATA5**				**GATA5**	2.550			**GATA5**	5.120		
SLCO4A1	**SLCO4A1**	60.740			**Slco4a1**	180.190	**SLCO4A1 (NP**	8.16									**SLCO4A1**	4.016			**SLCO4A1**	5.370		
C20orf20	**C20orf20**	60.800			**(c20orf20) 1(**	180.200	**C20orf20**	8.31	**c20orf20**	10.100			SHORT SCAFFOLD!						**c20orf20**	elsewhere				
NTSR1	**NTSR1**	60.810			**Ntsr1**	180.230	**NTSR2**	8.24									**NTSR1**	3.950			**NTSR1**	5.420		
C20orf11	**C20orf11**	61.000					**C20orf11**	8.42			**c20orf11**	15.310					**c20orf11 (2 of 2**	319K	**c20orf11 (1 o**	15.740			**c20orf11 (1**	22.020
c20orf59	**c20orf59**	61.050									c20orf59	15.320											**c20orf59 (2**	22.010
COL20A1	**COL20A1**	61.390			**Col20a1**	180.720	**COL20A1 (NP**	8.81	**col20a1 (sl**	18.360							**COL20A1**	3.690			**COL20A1**	4.400		
EEF1A2	**EEF1A2**	61.500			**Eef1a2**	180.800	**EEF1A2**	8.99	**(Eefla2) zq**	10.200									**EEF1A2**	15.700				
KCNQ2	**KCNQ2**	61.507			**KCNQ2**	180.810	**KCNQ2**	8.924																
c20orf149	**c20orf149**	61.600					**c20orf149**	9.01									**c20orf149 (2 of**	12.990	**c20orf149**	15.730			**c20orf149 (**	22.050
PTK6	**PTK6**	61.600									**PTK6**	15.180												
GMEB2	**GMEB2**	61.680			**Gmeb2**	180.980											**GMEB2**	2.350						
SAMD10	**SAMD10**	62.075			**Samd10**	181.329	**SAMD10**	9.426	**SAMD10**	12.893									**SAMD10**	15.790				
PRPF6	**PRPF6**	62.000			**Prpf6**	181.300	**PRPF6**	9.39	**(Prpf6) c20**	4.900									**PRPF6**	0.163			**PRPF6**	15.840
UCKL1	**UCKL1**	62.040																					**UCKL1**	21.950
TCEA2	**TCEA2**	62.100			**Tcea2**	181.400	**TCEA2**	9.35	**tcea2**	6.300									**TCEA2**	13.350			**TCEA2**	27.250
OPRL1	**OPRL1**	62.100			**Oprl1**	181.400	**OPRL1**	9.25	**opr1**	6.000									**OPRL1**	13.260				
sox18	**sox18**	62.100																	SOX18	13.370				
HCK	**HCK**	30.100			**HCK**	152.930	**HCK**	10.06	**HCK (ENSD**	5.500							**HCK**	2.600			**HCK**	5.010		
TM9SF4	**TM9SF4**	30.160			**Tm9sf4**	152.980	**TM9SF4**	10.07	**TM9SF4**	5.520							**TM9SF4**	2.610			**TM9SF4**	4.990		
PLAGL2	**PLAGL2**	30.240			**PLAGL2**	153.050	**PLAGL2**	10.09									**PLAGL2 (1 of 2)**	2.630			**PLAGL2**	4.980		
KIF3b																	KIF3b	2.690						
	SYCP2	57.870																						
RHOA-like	**KCNQ2**	61.507															RHOA-like (ENSG	2.360						
	SLC2A4RG	61.840																						

Gene:			HsapGATA6		MmusGATA6		GgalGATA6		DrerGATA6		*DrerGATA6-ogm*		FuguGATA6		GacuGATA6		*GacuGATA6-ogm*		OlatGATA6		*OlatGATA6-ogm*	
Chromosome/	Hsa18	(mb)			Mmu18	(mb)	Ggal18	(mb)	Dre2	50-51.5Mb	ZV7_NA549		Fugu_Scaffold68		GacugroupIII		scaffold_550	(mb)	Olat17		Olat20	(mb)
ROCK1	***ROCK1***	16.700			***Rock1***	10.000	***ROCK1***	105.3					***Rock1***	891K	**ROCK1**	13.670			***ROCK1***	29.260		
ESCO1	ESCO1				Esco1	10.500	ESCO1	105.5					***NPC1***	737K								
ABHD3	***ABHD3***	17.400			***Abhd3***	10.600	***ABHD3***	105.6					***ABHD3***	842K	**ADHD3**	13.620			**ABHD3**	29.370		
SNRP1	SNRPD1	17.440			Snrpd1	10.610	SNRPD1	42.8											SNRPD1	22.570		
MIB1	**MIB1**	17.500			**Mib1**	10.700	**MIB1**	105.6	**MIB (Mib1)**	50.800			**MIB1**	809K	**MIB1**	13.580			**MIB1**	29.380		
GATA6	**GATA6 Hsa:F2**	18.003			**GATA6**	11.000	**GATA6**	105.8	**GATA6**	50.920			**GATA6**	789K	**GATA6**	13.550			**GATA6 Hsa:**	29.460		
RBBP8	RBBP8				Rbbp8		RBBP8	105.9			rbbp8	25K									RBBP8	9.610
CABLES1	**CABLES1 Hsa:**	18.969			**Cables1**	11.900	**CABLES1**	106	**Cables1**	51.030			**CABLES1**	753K	**CABLES1**	13.520			**CABLES1 Hs**	29.510		
RIOK3	RIOK3				Riok3		RIOK3	106.1			riok3	3K					RIOK3	5K	RIOK3		RIOK3	1.880
NPC1	***NPC1***	19.300			***Npc1***	12.300	***NPC1***	106.2	*NPC1*	2.150					**NPC1**	13.500			***NPC1***	29.544		
ANKRD29	ANKRD29				Ankrd29		ANKRD29	106.2														
c18orf8	c18orf8	19.330															c18orf8	0.000			c18orf8	1.860
LAMA3	LAMA3	19.523			LAMA3	12.570			LAMA3	0.107					LAMA3	1.110						
OSBPL1A	OSBPL1A	19.996			Osbpl1a	12.910	OSBPL1A	106.44							OSBPL1A (2 of 2)	1.080			OSBPL1A (2	26.270		
ZNF521	ZNF521	20.890			Zfp521	13.840	ZNF521	106.87							ZNF521	0.980						
HRH4	HRH4	20.294			HRH4	13.165	HRH4	106.554							HRH4	1.075			HRH4	26.313		
SS18L	SS18	21.850			SS18	15.000	SS18	107.239							SS18	0.954			SS18	26.457		
PSMA	PSMA8	21.967			PSMA8	14.864									PSMA8	0.948			PSMA8	26.468		
TAF	TAF4B	22.060			TAF4B	14.784	TAF4B	107.323														