

Barbuzak et al. The syntenic correspondence of the zebrafish and human genomes.

superscripts in column 1 indicate primary panel for map

a=LN54 radiation hybrid panel (WashU or Ekker)

b= MOP meiotic panel (WashU or Postlethwait)

c=GAT (Gates et al.)

d= Goodfellow radiation hybrid panel (GEisler et al.)

name	GI	LN54 RHposition	Hum. Symbol ref.		Hum. Map
LG1					
fa11f03 ^c		1.0cR	ESTs	Hs.7049	13.113-118cM
oct1 ^c	2613130	1.0cR	POU2F1	Hs.182237	1.179-186cM
fa03c03 ^d		1.41cR	ATP1A1	Hs.190703	1.152-157cM
bact^a	3044209	1.59cR	ACTB	Hs.180952	1.49-82cM
eng4 ^b	4322043	1.59cR	EN1	ll.2019	2.129-134cM
fb37g11 ^a		1.103cR	PLK	Hs.77597	16.43cM
zef2 ^a	4099175	1.103cR	NERF1	Hs.82143	4.140-145cMR
fa22e07 ^d		1.146cR	ANT2	Hs.79172	X.121-139cM
ldb3 ^d	3078002	1.176cR	LDB2	Hs.4980	4.6-12cM
mel1ar ^c	1000095	1.176cR	MTNR1A	N/A	4.199-211cM
tolloid ^d	2708311	1.176cR	TLL1	Hs.129700	4.170-180cM
fb59g06 ^a		1.179cR	SC4MOL	Hs.239926	4.169-178cM
fb59b03 ^a		1.179cR	FGA	Hs.90765	4.145-154cM
dlx5 ^a	1620515	1.179cR	DLX2	Hs.419	2.182-188cM
ednrba		1.220cR	EDNRB	Hs.82002	13.60-63cM
tctp ^c	fa28a02	1.323cR	TPT1	Hs.119252	13.37-46cM
hd ^d	2981138	1.323cR	HD	Hs.79391	4.4-28cM
fc21b03 ^a		1.323cR	HMX1	Hs.104134	4.6-12cM
msxb^a	608510	1.381cR	MSX1	Hs.194	4.4-28cM
fb26d12 ^a		1.381cR	SMARCA5	Hs.9456	4.140-145cM
otx3^a	633134	1.381cR	OTX2	ll.5015	14.0-1cM
dla ^b	2809388	1.395cR	RTN1	Hs.99947	14.54-58cM
fa06d01 ^a		1.409cR	OGDH	Hs.168669	7.63-74cM

LG2 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fc07a09a		2.0cR	PRKACB	Hs.87773	1.93-124cM
fc15g01a		2.110cR	SEC22L1	Hs.50785	1.159-170cM
zek3 ^a	2198794	2.110cR	EPHB3	Hs.2913	3.178-214cM
fb02e10a		2.110cR	PFN2	Hs.91747	3.169-171cM
tfa ^a	none	2.150cR	TF	Hs.75155	3.146-156cM
atp1b ^d	974773	2.150cR	ATP1B3	Hs.76941	3.157-158cM
cpla2 ^c	508626	2.186cR	PLA2G4A	Hs.211587	1.200-209cM
fa99a06a		2.202cR	CNN3	Hs.194662	1.124-152cM
fa08f03a		2.217cR	KIAA0491	Hs.136309	1.93-124cM
fb12b05a		2.244cR	ARPC5	Hs.82425	1.209-218cM
rxra ^a	1046294	2.309cR	RXRA	Hs.20084	9.143-166cM
cahz ^c	2576334	2.325cR	CA1	Hs.23118	8.94-101cM
fb09f09a		2.343cR	TCEB1	Hs.184693	8.94-97cM
fc06d04a		2.343cR	ASPH	Hs.121576	8.75-79cM
fa09h05a		2.343cR	PMX1	Hs.155606	10.131-135cM
fa92d06a		2.343cR	RPS8	Hs.118690	1.66-73cM
fb12b04a		2.343cR	IFI30	Hs.14623	19.45-48cM
fa97a12a		2.343cR	MYRL2	Hs.9615	19.59-98cM
fa04b06 ^d		2.343cR	CAGF28	Hs.173854	7.149-184cM
eng3 ^a	62521	2.343cR	EN2	Hs.134989	7.167-175cM
twhh ^b	1171139	2.346cR	SHH	Hs.121539	7.181-184cM
ptc1 ^a	1524009	2.376cR	PTCH	Hs.159526	9.101-103cM
tnw ^c	2764620	2.384cR	TNW	Hs.173308	1.196-200cM
fb13c12a		2.384cR	COPA	Hs.75887	1.170-179cM
elr1a ^d	608544	2.384cR	ELAVL1	Hs.12379	19.0-36cM
fb59c07a		2.409cR	PSMB5	Hs.78596	14.8-22cM
alk8 ^a	3170091	2.409cR	ACVR1	Hs.150402	2.157-181cM
frz-zg06 ^d	1245193	2.438cR	FZD5	Hs.152251	2.211-218cM
pax3 ^c	2909764	2.438cR	PAX3	Hs.198	2.226-233cM
fb12d06a		2.455cR	GNA11	Hs.1686	19.0-19cM

LG3 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fc23h06 ^a		3.24cR	NOGGIN	no ref	17.65-69cM
fb09f05 ^a		3.87cR	PHB	Hs.75323	17.65-84cM
fc02g01 ^a		3.87cR	LRP	Hs.80680	16.51-56cM
hsc70.1 ^b	1408566	3.113cR	HSPA10	Hs.180414	11.128-132cM
eve1 ^a	475049	3.113cR	EVX1	Hs.99967	7.39-40cM
fb34e06 ^a		3.113cR	GRB2	Hs.6289	17.99-105cM
hoxb5a ^b	62535	3.113cR	HOXB	Hs.22554	17.65-84cM
stat3 ^b	3687428	3.113cR	STAT3	Hs.142258	17.58-63cM
cdc27 ^a	1008667	3.161cR	CDC27	Hs.172405	17.63-65cM
rara2 ^b	215025	3.161cR	RARA	Hs.250505	17.50-62cM
net1 ^d	2394301	3.161cR	netrin-1	ll.9423	17.16-18cM
fb16c10 ^a		3.167cR	DDX5	Hs.76053	17.84-90cM
fb02h06 ^a		3.196cR	MSF1	Hs.181002	17.105-114cM
fb51h09 ^a		3.196cR	ZNF207	Hs.62112	6.42-48cM
frz-zg08 ^d	1245197	3.196cR	FZD1	Hs.94234	7.98-105cM
fb36e06 ^a		3.196cR	GTPBP1	Hs.227576	22.39-46cM
tra1 ^c	1314772	3.196cR	THRA	Hs.724	17.58-63cM
dlx8 ^a	1620521	3.196cR	DLX4	Hs.172648	17.64-85cM
pyy ^a	no ref	3.270cR	N/A	N/A	17.62-65cM
bact2^d	2822455	3.304cR	ACTG1	Hs.204867	17.118-129cM
fb10b11 ^a		3.304cR	ALDOA	Hs.183760	16.84-88cM
fa11e08 ^d		3.332cR	ESTs	Hs.47278	16.42-43cM
fa12e01 ^d		3.332cR	ESTs	Hs.179898	16.22-27cM
elrc ^a	1683634	3.370cR	ELAVL3	Hs.1701	19.36-42cM
fa08d03 ^a		3.413cR	PMP22	Hs.103724	17. 22-33cM
notch5 ^d	2569969	3.430cR	NOTCH3	Hs.8546	19.42-45cM
notch3 ^d	3153196	3.430cR	NOTCH3	Hs.8546	19.42-45cM
fa12a11 ^d		3.430cR	HBZ	Hs.77253	16.27cM
fb74h09 ^a		3.482cR	ZNF195	Hs.104382	11.6-17cM
fa96g11 ^a		3.482cR	ARHGDI A	Hs.159161	17.118-129cM

LG4 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fc11d07 ^a		4.33cR	GAS2	Hs.129818	11.22-24cM
fc13d11 ^a		4.78cR	APEX	Hs.73722	14.0-8cM
wnt5a ^a	1256777	4.131cR	WNT5A	Hs.152213	3.69-77cM
b2m ^b	214975	4.149cR	B2M	Hs.75415	15.40-51cM
zasha ^a	540237	4.149cR	ASCL1	Hs.1619	12.106-113cM
fb78a05 ^a		4.162cR	KIAA0829	Hs.184786	12.76-88cM
fa09h11 ^d		4.189cR	IMPDH2	Hs.75432	3.65-68cM
fb08f12 ^a		4.189cR	GARP	Hs.151641	11.84-87cM
mdm2 ^d	2281700	4.189cR	MDM2	Hs.170027	17.58-63cM
fb62d08 ^a		4.227cR	ORC5L	Hs.153138	7.114-119cM
fb82g11 ^a		4.227cR	KIAA0705	Hs.22599	7.91-94cM

LG5 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
sox19 ^b	507055	5.97cR	SOX3	Hs.157429	X.150-155cM
fb33h12 ^a		5.97cR	PRPS1	Hs.56	X.112-121cM
fc11d05 ^a		5.97cR	NRB54	Hs.172207	X.87-94cM
p53 ^d	1778018	5.97cR	TP53	Hs.1846	17.10-18cM
tnc ^b	665538	5.97cR	HXB	Hs.204133	9.105-124cM
fc23d07 ^a		5.116cR	PPP2R4	Hs.236963	9.138-143cM
fa91d03 ^a		5.116cR	RPL12	Hs.182979	9.138-143cM
tie2 ^d	3005606	5.116cR	TEK	Hs.89640	9.42-50cM
fa05d11 ^a		5.125cR	ANXA1	Hs.78225	9.65-69cM
fc07b06 ^a		5.125cR	SFRP1	Hs.7306	8.60-66cM
apoa ^c	2440054	5.125cR	APOA4	Hs.1247	11.118-143cM
fb07b02 ^a		5.125cR	EVA	Hs.151602	11.118-121cM
fb33f01 ^a		5.125cR	APOA1	Hs.93194	11.110-118cM
wnt11 ^c	3169686	5.125cR	WNT11	Hs.108219	11.80-84cM
ins ^a	2935703	5.125cR	INS	Hs.89832	11.3-27cM
deltab ^b	2772824	5.125cR	RTN1	Hs.99947	14.54-58cM
fb68e04 ^a		5.125cR	PI	Hs.75621	14.89-104cM
fa28d05 ^d		5.125cR	CKM	Hs.118843	19.59-98cM
islet1 ^a	497897	5.143cR	ISL1	Hs.505	5.54-61cM
fa19g04 ^d		5.171cR	CCNB1	Hs.23960	5.54-61cM
fb07c05 ^a		5.171cR	TARS	Hs.84131	5.47-60cM
trkb2 ^d	3005608	5.171cR	TIE	Hs.78824	1.49-82cM
fa02h04 ^d		5.171cR	PR65	Hs.173902	19.59-98cM
lim6 ^b	2155288	5.171cR	LHX1	Hs.157449	17.58-63cM
fc13d05 ^a		5.222cR	DED	Hs.16178	17.58-63cM
fb12c02 ^a		5.222cR	LIG3	Hs.100299	17.37-44cM
fb52b04 ^a		5.222cR	E1B-AP5	Hs.155218	19.59-98cM
rxrg ^d	1046288	5.222cR	RXRA	Hs.20084	9.143-166cM
eif4e ^b	5757622	5.222cR	EIF43	Hs.79306	4.103-111cM
svp44 ^a	296418	5.222cR	NR2F1	Hs.144630	5.108-116cM
coe2 ^a	3273890	5.231cR	EBF	Hs.192824	5.147-152cM
notch1b ^d	2569967	5.267cR	NOTCH1	ll.4851	9.136-148cM
lim3^a	1000341	5.300cR	LHX3	ll.8022	9.142-148cM

LG6 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fa93f03 ^a		6.115cR	TUBA1	Hs.75318	2.222-226cM
ehh ^b	1616584	6.115cR	IHH	Hs.69351	2.200-215cM
fb38g02^a		6.115cR	FZD7	Hs.173859	2.200-212cM
fb19f01 ^a		6.115cR	ACP5	Hs.1211	19.0-19cM
fb99f06 ^a		6.129cR	ESTs	Hs.226831	19.59-98cM
frz-zg13 ^d	1245207	6.129cR	FZD7	Hs.173859	2.200-206cM
nic1 ^b	1617577	6.165cR	CHRNA1	Hs.2266	2.175-180cM
brn1.2^a	222975	6.218cR	POU3F1	HS.1837	1.49-82cM
fb95f01 ^a		6.228cR	CLCN6	Hs.211614	1.32-49cM
fb11d08 ^a		6.228cR	GLUL	Hs.170171	1.196-209cM
fb38a06 ^a		6.228cR	PSMD12	Hs.4295	17.84-90cM
fb94b12 ^a		6.228cR	GSN	Hs.80562	9.130-138cM
tymk ^c	fa12c02	6.228cR	CDC8	Hs.79006	2.270-277cM
fa12c02 ^d		6.228cR	DTYMK	Hs.79006	2.270-277cM
fc23d06 ^a		6.228cR	HDLBP	Hs.177516	2.270-277cM
fb37b12 ^a		6.228cR	RYK	Hs.79350	3.146-156cM
her6 ^a	1279397	6.273cR	HRY	ll.3280	3.228-223cM
jak1 ^c	1938357	6.273cR	JAK1	Hs.240985	1.92-124cM
fkd6 ^a	2982348	6.273cR	HFH2	RP4.792G4	1.95-106cM
fa11h08 ^a		6.273cR	ORC1L	Hs.17908	1.49-82cM
tie1 ^b		6.294cR	TIE	Hs.78824	1.49-82cM
fb38c05 ^a		6.315cR	PFDN5	Hs.80686	12.53-71cM
fc15a01 ^a		6.318cR	KIAA1075	Hs.6147	12.53-71cM
fb63d02 ^a		6.347cR	H1FX	Hs.109804	3.146-156cM
mitf ^b	5726231	6.374cR	MITF	Hs.166017	3.97-109cM
gdf5 ^b	2464958	6.415cR	GDF5	Hs.1573	20.50-55cM

LG7 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fb06g09a		7.23cR	FTH1	Hs.62954	11.63-71cM
fa96d04a		7.45cR	BAD	Hs.76366	11.62-71cM
fc17a06a		7.45cR	PRKRI	Hs.9683	11.62-64cM
fc11b09a		7.97cR	ST5	Hs.79265	11.6-20cM
fc07d07a		7.97cR	CD81	Hs.54457	11.0-6cM
fb50h01a		7.119cR	ALDH6	Hs.75746	15.104-110cM
groucho1a	2104717	7.119cR	TLE3	Hs.167086	15.70-71cM
fkd5a	2982346	7.119cR	FKHL5	Hs.155591	16.109-131cM
fb95c08a		7.127cR	ESTS	Hs.192899	16.57-58
fa99h12a		7.127cR	MMP2	Hs.111301	16.58-84cM
cdn-vn ^b	1345124	7.158cR	CDH11	Hs.75929	16.80-84cM
tbx6 ^b	1752709	7.158cR	TBX6	Hs.198301	16.45-50cM
eng2 ^a	62517	7.158cR	EN2	Hs.134989	7.167-175cM
shh ^a	5714439	7.158cR	SHH	Hs.121539	7.181-184cM
cyce ^a	643111	7.158cR	CCNE1	Hs.9700	19.50-53cM
fb95g11a		7.177cR	KIAA0700	Hs.13999	19.42-45cM
zashb ^a	540239	7.177cR	ASCL2	Hs.135639	11.3-27cM
cycd ^a	1143440	7.257cR	CCND1	Hs.82932	11.71-80cM
ck2a2 ^c	1495028	7.263cR	CSNK2A2	Hs.82201	16.76-80cM
fgf3 ^a	971333	7.272cR	FGF3	Hs.37092	11.71-80cM
case ^a	fa01d05	7.284cR	CSE1L	Hs.90073	20.66-74cM
fa93e09a		7.284cR	MYRL2	Hs.9615	19.59-98cM
fb81f07a		7.375cR	EIF4G2	Hs.183684	11.16-24cM
fa91f04a		7.431cR	FXR1	Hs.82712	3.207-213cM

LG8 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
al1 ^a	1834430	8.10cR	EFNA5	Hs.37142	5.108-116cM
fb99h10 ^a		8.29cR	SET	Hs.145279	9.124148cM
fc02h04 ^a		8.48cR	BNIP3L	Hs.132955	8.42-54cM
es1 ^a	499129	8.48cR	ES1	Hs.182423	21.58-60cM
fc22a06 ^a		8.54cR	PCKT1	Hs.171834	X.42-83cM
fa04f02 ^a		8.54cR	ESTs	Hs.12142	X.42-83cM
fb96f06 ^a		8.75cR	ASAH	Hs.75811	8.31-40cM
nras ^d	1778052	8.75cR	NRAS	Hs.69855	1.152-157cM
elrd^a	608548	8.108cR	ELAVL4	Hs.75236	1.49-82cM
fkd9 ^a	2982354	8.122cR	FKHL17	Hs.166188	1.95-102cM
fb54a02 ^a		8.170cR	CPT2	Hs.146861	1.49-82cM
fa97c10 ^a		8.170cR	NRU	Hs.69855	1.152-157cM
col2a1 ^a	773660	8.216cR	COL2A1	Hs.81343	12.53-71cM
fb12d09 ^a		8.216cR	XPC	Hs.320	3.19-47cM
fb94c05 ^a		8.216cR	IFRD2	Hs.75402	3.65-68cM
fb36c09 ^a		8.249cR	CAPZA2	Hs.75546	7.124-127cM
fa91c09 ^a		8.249cR	RPS11	Hs.182740	19.80 cM
fkd8 ^b	2982352	8.299cR	HFH2	RP4.792G4	1.95-106cM
zath1 ^a	2570791	8.316cR	ATOH1	ll.474	4.99-105cM
mhc-dab ^b	482830	8.416cR	HLA-DRB1	Hs.181366	6.44-60cM
fb13h02 ^a		8.416cR	PPIA	Hs.182937	7.63-74cM
her2 ^a	1279391	8.472cR	HES5	no ref	1.49-52cM(from mouse syn)
nkx2.7 ^c	1518150	8.505cR	CSX	Hs.54473	5.161-163cM
zyb ^b	2739140	8.563cR	NPY1R	Hs.169266	4.158-169cM
fgd ^a	3599943	8.563cR	FGD1	Hs.1572	X.87-94cM
fb07g06 ^a		8.592cR	PP15	Hs.151734	X.94-97cM
zfo2 ^c	215040	8.612cR	RHO	Hs.102269	3.146-156cM

LG9 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fb36h02 ^a		9.9cR	PCBP2	Hs.63525	12.53-71cM
fb22b02 ^a		9.9cR	ESTs	Hs.76285	1.186-194cM
fb51f01 ^a		9.9cR	CHAF1B	Hs.75238	21.32-41cM
eng1 ^b	62515	9.9cR	EN1	ll.2019	2.129-134cM
dlx1 ^b	2826395	9.44cR	DLX1	ll.1745	2.182-188cM
hoxd4 ^a	2661826	9.110cR	HOXD	Hs.93574	2.182-188cM
evx2 ^a	1617039	9.131cR	EVX2	ll.2129	2.189-194cM
dlx2 ^a	460126	9.131cR	DLX2	Hs.419	2.182-188cM
hha^b	no ref	9.140cR	IHH*	Hs.69351	2.200-215cM
fc17a11 ^a		9.170cR	DARS	Hs.80758	2.138-156cM
des ^a	1399152	9.170cR	DES	Hs.171185	2.222-226cM
frz-zg07 ^d	1245195	9.170cR	FZD7	Hs.173859	2.200-206cM
fn ^a	3420845	9.194cR	FN1	Hs.118162	2.218-222cM
ephrinb2 ^d	2995436	9.226cR	EFNB2	Hs.30942	13.96-105cM
acvr2 ^b	2230512	9.257cR	ACVR2	Hs.26014	2.151-156cM
actbb ^a	516356	9.257cR	INHBB	Hs.1735	2.128-135cM
fc12d11 ^a		9.324cR	GABPA	Hs.78	21.23-24cM
gast12 ^d	861206	9.333cR	SPOT14	ll.7069	11.70-84
fa07d10 ^a		9.367cR	NUCB2	Hs.3164	11.22-24cM
fa22f07 ^d		9.380cR	ARPC2	Hs.83583	19.59-98cM
fc15g06 ^a		9.402cR	KIAA0128	Hs.90998	X.121-150cM
fb08c07 ^a		9.402cR	TMSB4X	Hs.75968	X.94-121cM
fa07a10 ^d		9.402cR	CXORF5	Hs.6483	X.0-42cM

LG10 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
smad4 ^c	no ref	10.0cR	MADH4	Hs.75862	18.67-69cM
oep ^a	2911369	10.13cR	TDGF1	Hs.75561	3.63-67cM
fb34c06 ^a		10.35cR	ASH2L	Hs.6856	8.60-66cM
fa11d08 ^a		10.35cR	HNRPDL	Hs.170311	4.86-94cM
fb02g04 ^a		10.71cR	DP1	Hs.178112	5.116-122cM
fb81b10 ^a		10.71cR	AUH	Hs.81886	9.96-101cM
smad2 ^c	no ref	10.144cR	MADH2	Hs.82843	18.67-69cM
fb94d08 ^a		10.144cR	ESTs	Hs.21143	12.134-148cM
fa05g12 ^d		10.194cR	SLC20A1	Hs.78452	2.122-128cM
fc14e09 ^a		10.233cR	ARRB2	Hs.18142	17.10-18cM
fb11f03 ^a		10.233cR	KIAA0696	Hs.21229	21.34-38cM
fb02f11 ^a		10.278cR	SYNJ1	Hs.127416	21.32-41cM
dmgrasp ^d	452157	10.300cR	ALCAM	Hs.10247	3.122-126cM
fb01g06 ^a		10.304cR	HSPA10	Hs.180414	11.128-132cM
wnt11r ^b	no ref	10.306cR	WNT11	Hs.108219	11.80-84cM
fa28e03 ^d		10.365cR	PCNA	Hs.78996	20.11-19cM
tcf3 ^c	3769678	10.443cR	TCF7L2	Hs.154485	10.138-142cM
zyc ^b	3098347	10.385cR	NPY1R	Hs.169266	4.158-169cM
fgfr4 ^b	773666	10.501cR	FGFR3	Hs.1420	4.0-4cM

LG11 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
anf ^a	1762766	11.15cR	HESX1	Hs.171980	3.69-77cM
fa11a05 ^d		11.35cR	SPTBN1	Hs.107164	2.69-84cM
ldb1 ^d	3077998	11.35cR	LDB1	Hs.26002	10.131cM
gli ^a	??	11.42cR	GIF	Hs.2693	12.70-76cM
pax7 ^d	2909772	11.43cR	PAX7	Hs.113253	1.32-49cM
wnt4 ^c	1256775	11.70cR	ESTs	Hs.31971	1.49-83cM
fb51c02 ^a		11.143cR	TPI1	Hs.83848	12.14-27cM
fb12f01 ^a		11.143cR	RPL22	Hs.99914	3.77-97cM
gata1 ^b	1132418	11.230cR	GATA2	Hs.760	3.142-146cM
rcp ^b	no ref	11.230cR	no ref	no ref	X.187-190cM
myog ^a	??	11.230cR	MYOG	Hs.2830	1.218-232cM
fa09h09 ^a		11.230cR	MDM4	Hs.101874	1.219-232cM
sna1 ^a	468620	11.284cR	SLUG	Hs.93005	8.57-68cM
fc08e02 ^a		11.284cR	MYOM2	Hs.79227	8.0-6cM
fb11b06 ^a		11.343cR	JUP	Hs.2340	17.58-63cM
gata2 ^a	1132420	11.390cR	GATA2	Hs.760	3.142-146cM
plasticin^c	1881763	11.390cR	PRPH	Hs.37044	12.53-70cM
hoxc13b ^b	4322091	11.459cR	HOXC	ll.3229	12.71-74cM
fa14e09 ^d		11.480cR	ESTs	Hs.15760	12.53-71cM
fb99a04 ^a		11.480cR	ESTs	Hs.239634	3.19-47cM

LG12 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
tefb ^c	2828805	12.11cR	TEF	Hs.121481	22.33-40cM
fa96h09 ^a		12.21cR	TIMP2	Hs.6441	17.114-118cM
fa93g04 ^a		12.34cR	KDELR2	Hs.118778	7.0-17cM
mairbp ^d	2706489	12.46cR	RBP3	Hs.857	10.69-72cM
dlx3 ^b	62511	12.64cR	DLX3	ll.1748	17.62-65cM
fa04b08 ^d		12.85cR	EEF2	Hs.75309	19.59-98cM
rara2a ^a	704369	12.125cR	RARA	Hs.250505	17.50-62cM
fb34a08 ^a		12.141cR	EIF3S8	Hs.4835	16.45-50cM
krx20 ^a	62565	12.141cR	EGR2	Hs.1395	10.83-89cM
fb12e05 ^a		12.154cR	PAPSS2	Hs.173739	10.107-119cM
fc20c11 ^a		12.154cR	ACO2	Hs.75900	22.33-40cM
hgg1 ^a	1752663	12.154cR	CTSL2	Hs.87417	9.86-93cM
fb78b01 ^a		12.154cR	PAP	Hs.8653	2.111-118cM
six6 ^d	3047418	12.188cR	SIX3	Hs.227277	2.73-88cM
fc06g08 ^a		12.188cR	LLGL2	Hs.3123	17.99-105cM
hoxb1b ^a	1127809	12.188cR	HOXB	Hs.99992	17.65-84cM
pea3 ^d	2959741	12.188cR	ETV4	Hs.77711	17.63-64cM
fa99g08 ^a		12.188cR	CPN1	Hs.2246	10.119-131cM

LG13 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fc13d04 ^a		13.106cR	GYG	Hs.174071	3.165-170cM
fb62f02 ^a		13.106cR	ADH5	Hs.78989	4.105-111cM
fb77h12 ^a		13.106cR	ZNF135	Hs.159582	19.98-110cM
fc14G11 ^a		13.183cR	CKM	Hs.118843	19.59-98cM
ikaros ^a	3661582	13.216cR	ZNFN1A1	Hs.54452	7.64-73cM
mekk4 ^c	fa02f11	13.244cR	MAP3K4	Hs.32353	6.165-201cM
six3 ^d	3047416	13.278cR	SIX3	ll.6496	2.77-88cM
fa01a08 ^d		13.278cR	VDAC2	Hs.78902	10.72-109cM
fc21e02 ^a		13.278cR	HK1	Hs.118625	10.89-94cM
ldb4^d	3078004	13.278cR	LDB1	Hs.26002	10.114-131cM
fa19a03 ^d		13.278cR	CLIM1	Hs.75807	10.119-131cM
bmpr1a ^a	3551072	13.295cR	BMPR1A	Hs.2534	10.105-109cM
fgf8 ^a	2660746	13.312cR	FGF8	Hs.57710	10.131-135cM
pax2 ^a	62551	13.312cR	PAX2	Hs.155644	10.131cM
ret ^b	2258409	13.312cR	RET	ll.5979	10.93-98cM
msxc^a	399912	13.312cR	MSX3	Mm.4816	10.170-182 (from mouse syn)
fa12d02 ^d		13.361cR	COL9A1	Hs.154850	6.82-88cM
melk ^c	fa03e01	13.371cR	KIAA0175	Hs.184339	9.57-60cM
nkx2.3 ^c	1518146	13.371cR	BAPX1	Hs.105941	4.6-12cM

LG14 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fb95c07a		14.27cR	MY047	Hs.11000	8.54-60cM
msxe^a	1399516	14.27cR	MSX2	Hs.89404	5.185-196cM
fa11e03a		14.81cR	ADTB1	Hs.89576	22.22-26cM
fms	D. Parichy	14.92cR	CSF1R	Hs.17412	5.147-153cM
fa91f09a		14.175cR	TB1	Hs.179661	6.44-60cM
fa18g02 ^d		14.212cR	HNRPAB	Hs.81361	5.185-198cM
fb37c01a		14.212cR	CLK3	Hs.73987	15.70-72cM
znf6 ^d	2576290	14.271cR	ZNF6	Hs.239630	X.120cM
egr1 ^b	531455	14.341cR	EGR1	Hs.738	5.141-147cM
nkx2.5 ^b	1518148	14.341cR	CSX	Hs.54473	5.161-163cM
mindin2 ^d	2529222	14.341cR	SPON1	Hs.5378	11.24-25cM
mindin1 ^d	2529220	14.379cR	SPON1	Hs.5378	11.24-25cM
fb96e04a		14.379cR	GM2A	Hs.69743	5.153-158cM
glr^a	3378595	14.433cR	GLRA1	Hs.121490	5.153-158cM
msxa^b	608508	14.464cR	MSX2	Hs.89404	5.185-199cM
smad5 ^c	5478497	14.464cR	MADH5	Hs.37501	5.141cM
ngr1 ^c	2687408	14.464cR	NEUROD3	N/A	5.116-121cM
fb38a07a		14.464cR	HNRPA0	Hs.77492	5.141-141cM
ran ^c	1747494	14.464cR	RAN	Hs.10842	12.148-161cM
hpert1 ^a	no ref	14.534cR	HPRT1	Hs.82314	X.150-183cM
zef1^a	4099173	14.534cR	ELF4	Hs.151139	X.150-184cM
cad1 ^b	62509	14.535cR	CDX4	ll.1046	X.87-97cM
tec ^c	2353317	14.535cR	ITK	Hs.211576	5.160-163cM
flk1 ^c	1661231	14.535cR	KDR	Hs.12337	4.61-63cM

LG15 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fa66g10 ^d		15.0cR	KPNA4	Hs.119500	6.92-96cM
fb13c07 ^a		15.57cR	ATP1B3	Hs.76941	3.157-158cM
fa04f09 ^d		15.138cR	A2M	Hs.74561	12.14-27cM
fb38a08 ^a		15.138cR	PR65	Hs.173902	19.59-98cM
fb05d08 ^a		15.138cR	ESTs	Hs.239319	17.65-84cM
hsp47 ^a	1098626	15.170cR	CBP2	Hs.9930	11.80-84cM
lim1 ^b	577524	15.189cR	LHX1	Hs.157449	17.58-63cM
mel1b ^c	1326156	15.215cR	MTNR1B	Hs.158328	11.98-101cM
fb72a04 ^a		15.263cR	PheHB	Hs.9081	2.226-233cM
frz-zg01^d	1245183	15.272cR	FZD4	11.8322	11.84-100cM
fa96g06 ^a		15.281cR	H3F3B	Hs.180877	17.99-105cM
gap43 ^a	441158	15.281cR	GAP43	Hs.79000	3.130-138cM
chordin ^a	2731577	15.281cR	CHRD	Hs.61826	3.188-200cM

Lg16 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
vegfd ^d	3056720	16.29cR	VEGF	Hs.73793	6.60-74cM
fb99c12 ^a		16.81cR	PRDM1	Hs.158303	6.118-144cM
ctnnb ^b	1125099	16.81cR	CTNNB1	Hs.171271	3.63-67cM
fa06b05 ^a		16.164cR	USP13	Hs.85482	3.186-188cM
fb40f06 ^a		16.175cR	EPHB2	Hs.125124	1.49-82cM
fc21h02 ^a		16.175cR	UCP5	Hs.3759	12.14-27cM
evx1 ^b	no ref.	16.175cR	EVX1	Hs.99967	7.39-40
hoxa13b ^b	4322052	16.175cR	HOXA	N/A	7.39-40cM
ahr ^a	2764987	16.196cR	AHR	Hs.170087	7.24-35cM
fa11f05 ^d		16.196cR	HPRP3P	Hs.11776	8.79-82cM
chos ^a	1314634	16.215cR	HAS2	Hs.159226	8.110-137cM
ck2a1 ^c	914048	16.215cR	CSNK2A1	Hs.155140	20.3-8cM
pou47 ^c	1730454	16.215cR	POU3F2	Hs.182505	6.91-96cM
mef2d ^c	1518144	16.215cR	MEF2D	Hs.167923	1.157-170cM
fa04a12 ^a		16.228cR	SETDB1	Hs.20991	1.157-170cM
fc22a02 ^a		16.245cR	ADAR	Hs.7957	1.157-170cM
fa91d07 ^a		16.245cR	S100A4	Hs.81256	1.157-170cM
fa94d11 ^a		16.252cR	S100A1	Hs.227391	1.157-170cM
fb94d05 ^a		16.252cR	SMT3H2	Hs.180139	8.110-137cM
fa03d06 ^a		16.252cR	APOE	Hs.169401	19.59-98cM
fb33b01 ^a		16.252cR	YWHAZ	Hs.75103	2.0-33cM
fb13f04 ^a		16.293cR	CCTE	Hs.1708	1.157-170cM
fc21h03 ^a		16.293cR	PTPN3	Hs.153932	9.105-120cM
fb02d07 ^a		16.380cR	ETFB	Hs.74047	19.59-98cM

LG17 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fc19b04 ^a		17.0cR	MACS	Hs.75607	6.120-122cM
fkd7 ^a	2982350	17.25cR	HNF3A	Hs.105440	14.33-47cM
bmp2a ^b	2149147	17.43cR	BMP2	Hs.73853	20.18-27cM
snap25b ^a	3703099	17.79cR	SNAP25	Hs.84389	20.27-37cM
zya ^b	3098345	17.79cR	NPY1R	Hs.169266	4.158-169cM
fb10c08 ^a		17.97cR	COL1A2	Hs.179573	7.98-105cM
vsx1 ^d	2444488	17.97cR	CART1	Hs.41683	12.92-97cM
fa09c03 ^d		17.97cR	KNSL1	Hs.8878	10.119-131cM
gsc ^a	214981	17.97cR	GSC	Hs.204939	14.76-116cM
bf1 ^a	3171240	17.165cR	FKHL1	Hs.2714	14.22-26cM
fa11e06 ^a		17.174cR	PPP1CA	Hs.183994	11.71-80cM
fc02f06 ^a		17.178cR	STRN	Hs.183105	14.22-26cM
fb08d09 ^a		17.178cR	CALM1	Hs. 177656	14.89-104cM
fb34e12 ^a		17.193cR	CTSB	Hs.148493	8.20-26cM
gdf7 ^b	4433644	17.219cR	GDF7	ll.8873	2.40-48.cM
sox11a ^b	??	17.234cR	SOX11	Hs.32964	2.0-32cM
otx1 ^b	no ref	17.234cR	OTX1	l.5013	2.84-88cM
pax9 ^a	1648963	17.234cR	PAX9	Hs.132576	14.0-1cM
fb30h10 ^a		17.234cR	CRIP2	Hs.70327	14.108-129cM
fc19d01 ^a		17.234cR	SNRPA	Hs.173255	19.59-98cM
axial ^a	311267	17.280cR	HNF-3	Hs.155651	20.40-50cM
fc07b10 ^a		17.288cR	APG-1	Hs.71992	4.127-140cM
otx2 ^a	540243	17.304cR	OXT2	ll.5015	14.0-1cM
bmp4 ^b	3044133	17.358cR	BMP4	Hs.68879	14.47-51cM

LG18 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fa08a06 ^d		18.0cR	GATM	Hs.75335	15.40-51cM
icl ⁿ ^a	1770219	18.41cR	CLNS1A	Hs.84974	11.84-87cM
sapk3 ^c	2511644	18.91cR	MAPK12	Hs.55039	22.40-45cM
mef2a ^d	1518140	18.125cR	MEF2A	Hs.182280	15.104-110cM
wnt2 ^b	1256773	18.148cR	WNT2	Hs.89791	7.124-126cM
fa92a08 ^a		18.199cR	C25H	Hs.194687	10.111-134cM
lmo2 ^b	no ref	18.374cR	LMO2	Hs.184585	11.47-52cM
ar1 ^c	2306966	18.374cR	CYP19	Hs.79946	15.40-51cM
fa93g07 ^a		18.402cR	PSMD8	Hs.78466	19.59-98cM
fk ^d 2 ^b	2982340	18.423cR	HNF3C	Hs.36137	19.59-98cM
fa11e07 ^d		18.434cR	htgs	Hs.193158	22.40-45cM
fli ^a	no ref	18.465cR	N/A	N/A	11.136-143cM

LG19 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fb01a09a		19.66cR	TRAP150	Hs.91321	3.48-82cM
fb14d01a		19.66cR	EDN2	Hs.1407	1.49-82cM
fb11d09a		19.110cR	ING1	Hs.46700	13.105-118cM
mhc-uaa ^a	577533	19.110cR	HLA		6.44-60cM
rxre ^a	1046298	19.121cR	RXRB	Hs.79372	6.44-60cM
fb14h09a		19.129cR	YWHAB	Hs.182238	20.56-61cM
opr1 ^c	2739230	19.129cR	OPRD1	Hs.372	1.50-54cM
fa94g04a		19.129cR	SSR2	Hs.74564	1.157-170cM
ntl ^a	299316	19.143cR	T	Hs.143507	6.155-156cM
npy ^b	no ref	19.143cR	N/A	no ref.	7.38-42cM
hoxa4a ^a	4322059	19.170cR	HOXA	omim142953	7.39-40cM
fb61b02a		19.170cR	CBX3	Hs.8123	15.32-40cM
fa92b05a		19.170cR	RPL15	Hs.74267	3.43cM
fb75g07a		19.170cR	SC65	Hs.194110	3.65-68cM
fb07h03a		19.211cR	desmoplakin	Hs.74316	6.11-36cM
csk2b ^a	914050	19.242cR	CSNK2B	Hs.165843	6.44-48cM
fb79c06a		19.270cR	ABCF1	Hs.9573	6.44-60cM
fb19h11a		19.279cR	HDAC1	Hs.88556	1.49-82cM
fb34h01a		19.299cR	ILF2	Hs.75117	1.157-170cM
dlx6 ^a	1620517	19.323cR	DLX6	ll.1750	7.110-114cM
dlx4 ^a	460128	19.323cR	DLX5	Hs.99348	7.110-114cM
fa91c07a		19.335cR	EEF1A1	Hs.181165	6.72-99cM
fb11d06a		19.343cR	COL10A1	Hs.179729	6.120-122cM
fa93b07a		19.392cR	EXT1	Hs.184161	8.110-137cM

LG20 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fb01d05 ^a		20.24cR	EST	Hs.44197	6.144-148cM
pcmt ^c	1255008	20.64cR	PCMT1	Hs.79137	6.148-155cM
snap25a ^a	3703097	20.459cR	SNAP25	Hs.84389	20.27-37cM
ncad ^a	623209	20.459cR	CDH2	Hs.161	18.42-52cM
rrm2 ^d	1695830	20.490cR	RRM2	Hs.75319	2.22-41cM
kit ^b	5305935	20.497cR	KIT	Hs.81665	4.63-68cM
pdgfra ^b	479105	20.497cR	PDGFRA	Hs.74615	4.63-68cM
sox11b ^b		20.499cR	SOX11	Hs.32964	2.0-32cM
ehnrud ^d	1519516	20.499cR	ERH	Hs.118757	14.62-66cM
frz-zg09 ^d	1245199	20.538cR	FZD6	Hs.114218	8.102-110cM
fc18b08 ^a		20.482cR	HNRPU	Hs.103804	1.279-283cM
fb08c11 ^a		20.566cR	ESTs	Hs.244520	6.144-148cM
bmp2 ^a	2804174	20.678cR	BMP2	Hs.73853	20.18-27cM
fb14g10 ^a		20.699cR	HADHB	Hs.146812	2.41-48cM
hsp90 ^a	3212008	20.701cR	HSP90	Hs.74335	4.24-25cM

LG21 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
jak2a ^b	3687397	21.0cR	JAK2	Hs.115541	9.0-16cM
celip ^a	209340	21.71cR	CEL	Hs.99918	9.136-144cM
fc06c02 ^a		21.71cR	CDK9	Hs.150423	9.138-143cM
notch1 ^d	433866	21.75cR	NOTCH1	ll.4851	9.136-148cM
fb33g08 ^a		21.94cR	SPTAN1	Hs.77196	9.130-138cM
pou2 ^b	461302	21.94cR	POU5F1	Hs.2860	6.42-44cM
fb06g05 ^a		21.94cR	ESTs	Hs.69192	12.113-126cM
fb93g12 ^a		21.124cR	ZNF145	Hs.37096	11.110-118cM
actinin ^a	2935402	21.129cR	ACTN3	Hs.1216	11.71-80cM
fb39b07 ^a		21.129cR	RRM1	Hs.2934	11.6-17cM
fa01f03 ^d		21.129cR	C7	Hs.78065	5.74-92cM
fa10b08 ^d		21.129cR	SKP2	Hs.159269	5.74-92cM
ephra5 ^a	2462952	21.129cR	EFNA5	Hs.37142	5.108-116cM
fb19a06 ^a		21.129cR	HNRPF	Hs.808	10.59-69cM
epb7.2 ^a	no ref	21.129cR	N/A	N/A	9.136-144cM
bf ^a	1015969	21.157cR	BF	Hs.69771	6.44-60cM
fc11h09 ^a		21.167cR	SLC7A1	Hs.2928	13.17-26cM
fc19b01 ^a		21.167cR	ESTs	Hs.22068	5.175-182cM
msxd^a	62544	21.211cR	MSX2	Hs.89404	5.185-196cM
fc13h10 ^a		21.211cR	FGFR4	Hs.165950	5.185-196cM
fb22a03 ^a		21.211cR	KIAA0202	Hs.80712	5.130-141cM
fa95C01 ^a		21.211cR	CCT6A	Hs.82916	7.136-146cM
fb09b10 ^a		21.211cR	KIAA0940	Hs.131945	10.119-131cM

LG22 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fa28a10 ^d		22.0cR	TRIP6	Hs.119498	7.110-114cM
fa03c08 ^a		22.19cR	MFAP2	Hs.83551	1.32-49cM
fa11b02 ^d		22.68cR	ESTs	Hs.169577	1.124-152cM
stat1 ^b	3687401	22.68cR	STAT1	Hs.21486	2.188-202cM
fb11a09 ^a		22.77cR	BTG1	Hs.77054	12.87-97cM
fb82d01 ^a		22.79cR	SMARCD1	Hs.79335	12.53-71cM
ahr2 ^d	4321818	22.88cR	AHR	Hs.170087	7.24-35cM
fa10g07 ^d		22.88cR	NAGR1	Hs.79024	19.0-32cM
fb12c11 ^a		22.95cR	CIRBP	Hs.119475	19.0-32cM
fb82e03 ^a		22.95cR	GPX4	Hs.2706	19.0-32cM
fb06e07 ^a		22.95cR	TPM4	Hs.102824	19.0-35cM
sc1 ^a	2921800	22.95cR	TAL1	Hs.73828	1.49-82cM
fa12c06 ^d		22.95cR	HDGF	Hs.89525	1.157-170cM
ftz ^b	2429327	22.99cR	NR5A2	Hs.183123	1.218-232cM
fb26a05 ^a		22.120cR	BSG	Hs.74631	19.0-32cM
zmx1 ^d	505976	22.120cR	MXI1	Hs.1186630	10.138-142cM
fa12d03 ^d		22.214cR	NCL	Hs.79110	2.236-270cM
fa95f04 ^a		22.227cR	ALPI	Hs.37009	2.242-248cM

LG23 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
nadl1.1 ^a	1065713	23.22cR	L1CAM	Hs.1757	X.188-198cM
fa13h08 ^d		23.26cR	ACAT2	Hs.4112	6.154-156cM
sna2 ^b	841423	23.41cR	SLUG	Hs.93005	8.57-68cM
raf ^c	534976	23.65cR	RAF1	Hs.85181	3.19-47cM
nt7 ^d	3044090	23.65cR	NGFB	Hs.2561	1.152-157cM
fb50a04 ^a		23.65cR	P23	Hs.246919	1.124-152cM
fa11d01 ^d		23.65cR	DDOST	Hs.89674	1.49-52cM
her4 ^a	1279395	23.99cR	HES5	no ref	1.49-52cM(from mouse syn)
prim1 ^c	fa12c04	23.117cR	PRIM1	Hs.82741	12.53-71cM
fb15h05 ^a		23.163cR	ESTs	Hs.226770	1.32-49cM
nadl1.2 ^a	1065715	23.163cR	L1CAM	Hs.1757	X.188-198cM
wnt1 ^a	62560	23.163cR	WNT1	ll.7471	12.65-67cM
taram-a ^a	1805659	23.163cR	ACVRL1	Hs.172670	12.70-72cM
wnt10br ^b	263561	23.170cR	WNT10b	Hs.91985	12.53-71cM
fb37h04 ^a		23.170cR	PA2G4	HS.5181	12.71-74cM
fa91g07 ^a		23.170cR	RPL41	Hs.108124	12.71-76cM
fb02e09 ^a		23.170cR	MYL6	Hs.77385	12.71-74cM
fb38f03 ^a		23.170cR	TKT	Hs.89643	3.65-68cM
fb60f06 ^a		23.170cR	CHIT1	Hs.91093	1.219-232cM
fb74a09 ^a		23.170cR	PDS	Hs.159275	7.77-105cM
fa11a10 ^a		23.303cR	ESTs	Hs.5437	7.40-56cM
myb ^b	no ref	23.303cR	MYB	Hs.1334	6.133-144cM
fa01g03 ^d		23.303cR	SALL1	Hs.123094	16.50-65cM
pouc ^a	62552	23.319cR	POUGF1	Hs.2815	12.53-71cM
fb01e02 ^a		23.324cR	RARG	Hs.1497	12.53-71cM
hoxc5a ^a	414104	23.324cR	HOXC	no ref	12.71-74cM
fb34c09 ^a		23.338cR	ABCE1	Hs.12013	4.145-146cM

LG24 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map	
fz8a ^d	4164470	24.133cR	FZD5	Hs.152251	2.211-218cM	
myc ^c	215041	24.144cR	MYC	Hs.79070	8.141-145cM	
p110a ^d	2558532	24.144cR	DDX3	Hs.147916	8.42-54cM	
fb01e08a		24.144cR	FTH1	Hs.62954	11.63-71cM	
fc18e10a		24.177cR	PR4H	Hs.119139	6.0-11cM	
fb02f03a		24.257cR	GARS	Hs.75280	7.40-56cM	
fb17g03a		24.257cR	BMI1	Hs.431	10.43-47cM	
fa03h03a		24.280cR	VIM	Hs.2064	10.40-43cM	
fb82e05a		24.301cR	EPHA5	Hs.31092	4.68-78cM	not rtk7
rtk7a	3005904	24.301cR	EPHA5	Hs.31092	4.68-78cM	
fc06d11a		24.301cR	DAP	Hs.75189	5.19-21cM	
arx ^d	2317260	24.337cR	ARX	rpcI1-258N20	X.17-21cM	
fc12c09a		24.384cR	MCM4	Hs.154443	8.60-68cM	
fa99c04a		24.388cR	CEBPD	Hs.76722	8.60-67cM	
fb18b11a		24.388cR	UBE2V2	Hs.79300	8.66-67cM	
fa19d09 ^d		24.407cR	ARF1	Hs.74571	1.246-251cM	
acvr2b ^b	4406074	24.449cR	ACVR2B	Hs.23994	3.49-67cM	

LG25 name	GI	LN54 RHposition	Hum.Sym	ref.	Hum. Map
fib11c ^a	2522170	25.15cR	FBLN1	Hs.79732	22.40-46cM
fa97f08 ^a		25.70cR	PPIB	Hs.699	15.51-64cM
rag1 ^c	691717	25.70cR	RAG1	Hs.73958	11.47-52cM
fspdin2 ^d	2529226	25.70cR	SPON1	Hs.5378	11.24-25cM
fa95e04 ^a		25.89cR	ESTs	af015416	11.0-27cM
fc18f05 ^a		25.118cR	CDC10	Hs.184326	7.56-59cM
fa11g04 ^d		25.152cR	ESTs	Hs.6770	16.84-87cM
wt1 ^a	987051	25.177cR	WT1	Hs.1145	11.39-42cM
pax6 ^c	62548	25.177cR	PAX6	Hs.89506	11.22-24cM
fb37h03 ^a		25.222cR	CKMT1	Hs.153998	15.34-51cM
myod ^a	535814	25.279cR	MYOD1	Hs.2834	11.24-25cM
fc23g10 ^a		25.279cR	KRAS2	Hs.184050	12.27-48cM
fb75g09 ^a		25.375cR	EWSR1	Hs.129953	22.23-33cM
islet2 ^a	1037165	25.406cR	ISL1	Hs.505	5.54-61cM
islet3 ^d	1037167	25.406cR	ISL1	Hs.505	5.54-61cM
fb61a08 ^a		25.406cR	FACVL1	Hs.11729	15.34-51cM
fkd3 ^a	2982342	25.426cR	FKD5	N/A	15.70-72cM (from mouse syn)

