Table S1 Genotype of X chromsome of progeny tested mice

				Control Lines							RX1 Lines					RX2 Lines										
X Marker/Gene	**Mb**	**Xce1 [a]**	**Xce2 [b]**	**CastXf**	**2175f**	**CastXm**	**199m**	**88m**	**246m**	**246f**	**109m**	**217m**	**78m**	**228m**	**218m**	**137m**	**183m**	**2173m**	**3695m**	**6443m**	**2181m**	**5005m**	**6570m**	**830m**	**800m**	**1114m**
DXMit53	16.5																									
Pctk1	20.3																									
Hprt1	50.3																									
DXMit73	57																									
DXMit144	61.2																									
Mecp2	71.3																									
DXMit62	90.1																									
DXMit63	90.4																									
DXMit113	91.8/92.1																									
DXMit114	95.3																									
DXMit96	96.4																									
Eda Exon8	97.59																									
DXMit229	97.9																									
DXMit41	98.3																									
DXMit17	98.4																									
DXMit230	98.7																									
DXMit168	98.9																									
Snp 846	99.135											ND														
ss38408987	99.35																									
DXMit115	99.8																									
DXMit148	99.9																									
DXMit95	100.1/3																									
DXMit170	100.2																									
DXPas28	100.5																									
Tsx	100.61/62	ND																								
Xite	100.63	ND																								
DXPas29	100.63																									
Tsix	100.63/68																									
Xist	100.66/68																									
Xist exon3	100.66																									
Xlsnpg Ex1	100.67																									
Xist Ex1	100.68		ND																							
ss38407822	100.69		ND																							
ss49779045	100.7		ND																							
DXPas31	100.8																									
DXMit18	100.83																									
DXMit171	101.05																									
DXMit40	101.35																									
Abc7	101.5																									
DXMit64	103																									
DXMit97	116.47																									
DXMit234	138.5																									
DXMit152	144.1																									
Jarid1d1c	148.7																									
DXMit249/31	160.4																									

[a]Simmler *et al*. and see Figure 2A
[b]Chadwick *et al*. and see Figure 2A

Not Determned	ND
Cast	
129S1	