

Supplementary Table 2. List of the genes located at 172-176 Mb in Chr 1, with the fold-change in the expression between the C168-176 and B6 if significant.

Gene Description	Symbol	Fold-change compared to B6 mice
CD48 antigen (B-cell membrane protein)	<i>CD48</i>	ns
Lymphocyte antigen 108	<i>SLAMF6</i>	ns
Nicastrin	<i>Ncstn</i>	ns
coatamer protein complex subunit alpha	<i>Copa</i>	ns
Peroxisomal farnesylated protein	<i>Pex19</i>	ns
EST		ns
Phosphoprotein enriched in astrocytes 15	<i>Pea15</i>	ns
Calsequestrin 1	<i>Casq1</i>	ns
ATPase, Na ⁺ /K ⁺ transporting, alpha 4 polypeptide	<i>Atp1a4</i>	ns
ATPase, Na ⁺ K ⁺ transporting, alpha 2	<i>Atp1a2</i>	ns
Immunoglobulin superfamily receptor	<i>PGRL</i>	ns
Potassium inwardly-rectifying channel, subfamily J, member 9		ns
Phosphatidylinositol glycan, class M	<i>Pigm</i>	ns
CD2 antigen family, member 10 (CD84)		ns
Immunoglobulin superfamily, member 9	<i>Igsf9</i>	ns
Transgelin 2	<i>Tagln2</i>	ns
Hypothetical protein XP_287056 [Mus musculus]		ns
EST		ns
Similar to coxsackie-adenovirus-receptor		
EST		ns
Similar to Cell surface glycoprotein GP42 precursor	<i>EST</i>	ns
Similar to hypothetical protein FLJ20442		ns
C-reactive protein, petaxin related (CRP-F1-R1)	<i>CRP</i>	Very low expression in bones
Similar to ribosomal protein L6		ns
Serum amyloid P-component		ns
Olfactory receptor 16		ns
Olfactory receptor MOR267-4		ns
Olfactory receptor MOR267-5		ns
Olfactory receptor MOR267-3		ns
Olfactory receptor MOR267-2		not expressed in bone
Fc receptor, IgE, high affinity I, alpha polypeptide		ns
Olfactory receptor MOR267-8		ns
EST only one base diff. from c-reactive		

Duffy blood group	<i>Dfy</i>	6 ± 1.4*
Nectin-like 1		ns
Similar to absentin melanoma 2		ns
Similar to Gamma-interferon-inducible protein Ifi-16	<i>IFI 16</i>	ns
Similar to hypothetical protein MGC23885		ns
Similar to hypothetical protein 4930422C14		ns
EST	<i>EST</i>	ns
Interferon activated gene 204		ns
Similar to myeloid cell nuclear differentiation antigen		ns
Interferon activated gene 203		ns
Interferon activated gene 205		ns
Alpha spectrin 1 erythroid (spna1)		ns
EST		not expressed in bone
Formin2		ns
Fumarate hydratase1		ns

ns. refers to no significant difference between the congenic subline C168-176 and B6 mice. *P<0.01 vs B6 control mice. For the genes with very low expression in bone, it was not possible to determine accurately the expression between the sublines and the B6 control mice.