

Supplementary Table 1

**Supplementary Table 1:** Values for real-time PCR and pyrosequencing

	<b>BC-12.5</b>	<b>BC-15.5</b>	<b>BC-P0</b>
<b>RE</b>	$10.9 \pm 0.9 \times 10^{-3}$	$65.5 \pm 1.0 \times 10^{-3}$	$1.15 \pm 0.09$
<b>% CAST allele</b>	$66.2 \pm 1.9$	$45.3 \pm 1.0$	$30.7 \pm 1.2$
<b>CAST RE</b>	$7.23 \pm 0.60 \times 10^{-3}$	$29.7 \pm 0.8 \times 10^{-3}$	$35.4 \pm 3.1 \times 10^{-2}$
<b>Fold increase in CAST RE</b>		4.1	11.9
<b>BL6 RE</b>	$3.70 \pm 0.60 \times 10^{-3}$	$35.8 \pm 0.8 \times 10^{-3}$	$79.9 \pm 3.1 \times 10^{-2}$
<b>Fold increase in BL6 RE</b>		9.7	22.3
	<b>CB-12.5</b>	<b>CB-15.5</b>	<b>CB-P0</b>
<b>RE</b>	$9.79 \pm 2.05 \times 10^{-3}$	$7.91 \pm 1.03 \times 10^{-2}$	$1.16 \pm 0.09$
<b>% CAST allele</b>	$76.6 \pm 2.8$	$67.6 \pm 1.0$	$31.7 \pm 0.4$
<b>CAST RE</b>	$7.50 \pm 1.59 \times 10^{-3}$	$53.5 \pm 7.0 \times 10^{-3}$	$36.9 \pm 3.2 \times 10^{-2}$
<b>Fold increase in CAST RE</b>		7.1	6.9
<b>BL6 RE</b>	$2.29 \pm 1.59 \times 10^{-3}$	$25.6 \pm 7.0 \times 10^{-3}$	$79.5 \pm 3.2 \times 10^{-2}$
<b>Fold increase in BL6 RE</b>		11.2	31.0
	<b>BJ-12.5</b>	<b>BJ-15.5</b>	<b>BJ-P0</b>
<b>RE</b>	$51.7 \pm 3.4 \times 10^{-3}$	$67.0 \pm 2.1 \times 10^{-2}$	$22.2 \pm 3.0 \times 10^{-1}$
<b>% JF1 allele</b>	$91.4 \pm 1.2$	$85.8 \pm 1.1$	$60.0 \pm 0.8$
<b>JF1 RE</b>	$47.3 \pm 3.2 \times 10^{-3}$	$57.5 \pm 1.9 \times 10^{-2}$	$13.3 \pm 1.8 \times 10^{-1}$
<b>Fold increase in JF1 RE</b>		12.2	2.3
<b>BL6 RE</b>	$4.43 \pm 3.15 \times 10^{-3}$	$9.54 \pm 1.93 \times 10^{-2}$	$8.89 \pm 1.80 \times 10^{-1}$
<b>Fold increase in BL6 RE</b>		21.5	9.3
	<b>JB-12.5</b>	<b>JB-15.5</b>	<b>JB-P0</b>
<b>RE</b>	$16.0 \pm 0.2 \times 10^{-2}$	$33.1 \pm 1.4 \times 10^{-2}$	$14.1 \pm 0.6 \times 10^{-1}$
<b>% JF1 allele</b>	$94.1 \pm 1.6$	$94.1 \pm 1.1$	$61.7 \pm 1.5$
<b>JF1 RE</b>	$15.1 \pm 0.3 \times 10^{-2}$	$31.1 \pm 1.38 \times 10^{-2}$	$86.8 \pm 4.3 \times 10^{-2}$
<b>Fold increase in JF1 RE</b>		2.1	2.8
<b>BL6 RE</b>	$9.54 \pm 3.04 \times 10^{-3}$	$1.95 \pm 1.38 \times 10^{-2}$	$54.0 \pm 4.3 \times 10^{-2}$
<b>Fold increase in BL6 RE</b>		2.0	27.7

RE: relative expression (*Pon1* expression normalized by *beta-2-microglobulin*)

All measurements were performed in triplicates

Supplementary Figure 1

