

**Supplementary Data Legend:**

Supplementary Table 1 (\*.doc): Correlations between ASR and PPI at each prepulse intensity in the B6 and CSS strains.

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<b>Strain</b>	<b>70 dB PPI</b>	<b>75 db PPI</b>	<b>80 db PPI</b>	<b>85 db PPI</b>
<b>B6</b>	-0.164	-0.232**	-0.358**	-0.268**
<b>All CSS</b>	-0.167**	-0.232**	-0.344**	-0.252**
<b>CSS-1</b>	-0.442	-0.303	-0.266	-0.499*
<b>CSS-2</b>	-0.062	-0.050	-0.229	0.006
<b>CSS-3</b>	-0.061	-0.193	-0.062	0.140
<b>CSS-4</b>	-0.059	-0.105	0.332	0.325
<b>CSS-5</b>	-0.407*	-0.497*	-0.474*	-0.481*
<b>CSS-6</b>	0.332	-0.309	-0.255	-0.194
<b>CSS-7</b>	-0.502*	-0.565**	-0.624**	-0.708**
<b>CSS-8</b>	-0.195	-0.101	-0.166	-0.135
<b>CSS-9</b>	-0.258	0.047	-0.416*	-0.045
<b>CSS-10</b>	0.216	-0.275	-0.039	-0.151
<b>CSS-11</b>	-0.119	-0.501*	-0.429*	-0.377
<b>CSS-12</b>	-0.208	-0.046	-0.144	-0.356
<b>CSS-14</b>	0.417	0.399	0.296	0.220
<b>CSS-15</b>	-0.385	0.101	-0.129	-0.103
<b>CSS-16</b>	-0.505	-0.290	-0.519	-0.320
<b>CSS-17</b>	-0.114	-0.151	-0.472	-0.359
<b>CSS-18</b>	-0.065	0.167	-0.295	-0.313
<b>CSS-19</b>	-0.310	-0.003	-0.127	-0.019
<b>CSS-X</b>	-0.236	0.112	-0.152	0.148
<b>CSS-Y</b>	0.049	0.088	-0.151	-0.095
<b>CSS-mt</b>	-0.127	-0.275	-0.425*	-0.188

Pearson's correlations were calculated using mean values for acoustic startle response (ASR) and prepulse inhibition (PPI) at 70, 75, 80, and 85 dB prepulse intensities for each CSS and for all CSSs as a group. Correlations for B6 mice presented in Table 2 are included for comparison. Significance levels (2-tailed): \* $p < 0.05$ , \*\* $p < 0.01$ .