

**Supplementary Table 2.** ABR threshold averages, standard deviations, and standard errors for eight B6.A congenic lines with different A/J-derived segments of Chr 10 compared with the two parental strains from which they were derived. Thresholds are for stimulus frequencies of 8, 16, and 32 kHz. The number (N) of mice tested is shown for each strain-age combination.

Strain tested	ABR thresholds (dB SPL)					
	6 month test age			9 month test age		
	8 kHz	16 kHz	32 kHz	8 kHz	16 kHz	32 kHz
<b>Parental strains:</b>						
<b>C57BL/6J</b>		N = 18			N = 23	
average	38.0	21.6	77.0	45.2	30.4	83.8
standard deviation	6.7	8.8	13.1	9.8	14.5	6.3
standard error	1.6	2.1	3.1	2.0	3.0	1.3
<b>C57BL/6J-Chr 10<sup>A/J</sup>/NaJ</b>		N = 36			N = 7	
average	45.0	52.2	89.7	61.4	64.3	91.4
standard deviation	5.6	18.3	12.1	13.5	17.4	13.1
standard error	0.9	3.1	2.0	5.1	6.6	5.0
<b>B6.A congenic lines (extent of A/J derived segment):</b>						
<b>Line 1 (92.4–130 Mb)</b>		N = 17			N = 21	
average	43.5	42.1	85.6	51.9	60.0	94.8
standard deviation	8.2	9.0	9.8	9.8	19.5	9.8
standard error	2.0	2.2	2.4	2.0	4.2	2.1
<b>Line 2 (82.1–124.5 Mb)</b>		N = 39			N = 33	
average	39.2	25.6	70.3	45.9	43.2	83.0
standard deviation	11.0	12.3	9.5	8.2	23.8	15.3
standard error	1.8	2.0	1.5	1.4	4.1	2.7
<b>Line 3 (82.1–121.6 Mb)</b>		N = 41			N = 43	
average	38.4	25.7	68.7	40.7	31.9	74.9
standard deviation	8.5	11.8	11.6	7.0	14.4	12.6
standard error	1.3	1.8	1.8	1.1	2.2	1.9
<b>Line 4 (82.1–103.5 Mb)</b>		N = 34			N = 44	
average	38.2	26.0	68.1	43.3	35.1	77.7
standard deviation	5.9	9.8	9.4	10.8	17.3	13.4
standard error	1.0	1.7	1.6	1.6	2.6	2.0
<b>Line 5 (103.5–130 Mb)</b>		N = 29			N = 38	
average	44.7	37.1	78.4	52.2	57.1	90.4
standard deviation	7.8	14.0	11.7	13.0	19.6	11.5
standard error	1.3	2.2	2.2	2.1	3.2	1.9
<b>Line 6 (103.5–121.6 Mb)</b>		N = 22			N = 22	
average	41.6	30.0	71.8	49.1	37.3	75.5
standard deviation	12.6	9.4	8.4	13.1	15.2	16.3
standard error	2.7	2.0	1.8	2.8	3.2	3.5
<b>Line 7 (113.8–130 Mb)</b>		N = 20			N = 20	
average	50.6	39.8	89.2	55.5	63.5	95.5
standard deviation	14.7	20.7	8.6	11.9	20.7	4.6
standard error	3.3	4.6	1.9	2.7	4.6	1.0
<b>Line 8 (124.5–130 Mb)</b>		N = 13			N = 11	
average	44.2	37.7	83.5	60.0	65.0	95.9
standard deviation	12.0	11.7	6.9	15.5	15.5	5.8
standard error	3.3	3.2	1.9	4.7	4.7	1.7