

## SUPPLEMENTARY DATA

Supplementary Table 1: *p* values for data in Figure 1 when comparing changes in metal levels between 3 and 12 month, 3 and 18+ month and 12 and 18+ month old mice within a genotype.

		WT	APLP2 <sup>-/-</sup>	APP <sup>-/-</sup>	APP <sup>+/-</sup> APLP2 <sup>-/-</sup>	APP <sup>-/-</sup> APLP2 <sup>+/-</sup>
3 months vs 12 months	Cu	***	***	***	***	***
3 months vs 18+ months		***	***	***	***	***
12 months vs 18+ months		***	***	***	***	**
3 months vs 12 months	Fe	***	***	***	***	***
3 months vs 18+ months		***	***	***	***	***
12 months vs 18+ months		***	***	***	***	ns
3 months vs 12 months	Zn	*	**	ns	ns	ns
3 months vs 18+ months		***	***	***	**	*
12 months vs 18+ months		***	***	***	**	ns
3 months vs 12 months	Mn	**	***	***	***	ns
3 months vs 18+ months		ns	***	**	**	***
12 months vs 18+ months		*	ns	ns	ns	**

\* < 0.05; \*\* < 0.01; \*\*\* < 0.001; \*\*\*\* < 0.0001; ns = not significant