Additional file 5: Validation of RNA-seq data by qPCR. Comparison of relative mRNA expression detected by RNAseq and qPCR. For each gene and tissue, expression levels are relative to the saline-treated  $PRNP^{+/+}$  group (=1). For RNAseq, symbols represent a significant differential expression (log2 ratio ± 0.59, q<0.05). qPCR bars display mean expression ±SEM with significance levels of p<0.05, p<0.01 p<0.001 (Student's t-test). Symbols are listed below. In the hippocampus, SAA3 was not detected at rest by RNAseq and at very low levels after LPS challenge.

