



Supplemental Figure 7. Cytokine expression at the brainstem of wild-type mice and *IL-20RB*^{-/-} mice at peak of EAE. Cytokines and VEGF expression within brainstem tissues were detected by multianalyte bead-based immunoassay (A-M) and ELISA (N-P), n = 4 (same cohort of mice shown on Figure 3 and Supplemental Figure 5), for wild-type mice at peak of EAE (peak, ~14 dpi) (black circle) and sham-immunized, *IL-20RB*^{-/-} mice (red circle) and sham-immunized (sham-immunized not shown). One-Way ANOVA analysis followed by Sidak's post hoc comparing wild-type mice and *IL-20RB*^{-/-} mice at peak of EAE showed statistical significance for GM-CSF, p < 0.01 (J) and TNF- α , p < 0.001 (L). Results are shown as Mean \pm SEM, * = p < 0.05 and *** = p < 0.001.