Figure e-1: Effects of 60min tMCAO induced in CFA-immunized and diseased EAE mice in the acute EAE phase after 3h of reperfusion

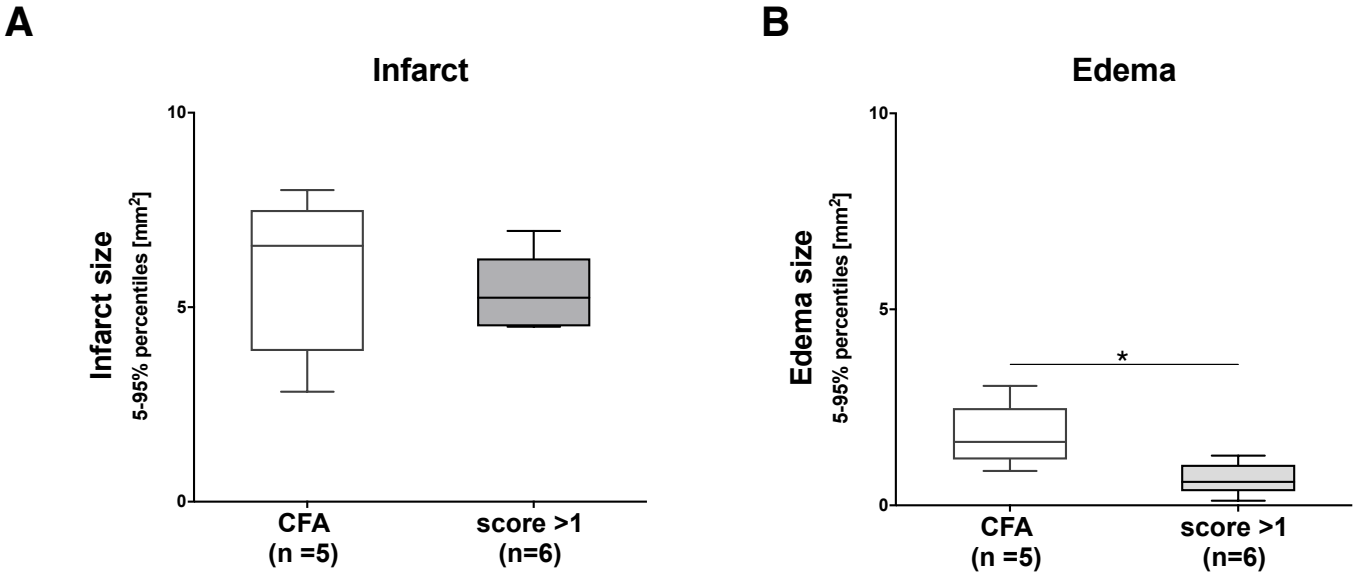

Figure e-2: CD3+ cells in the striatum and surrounding cortex 24h after tMCAO induced in the acute or chronic EAE phase

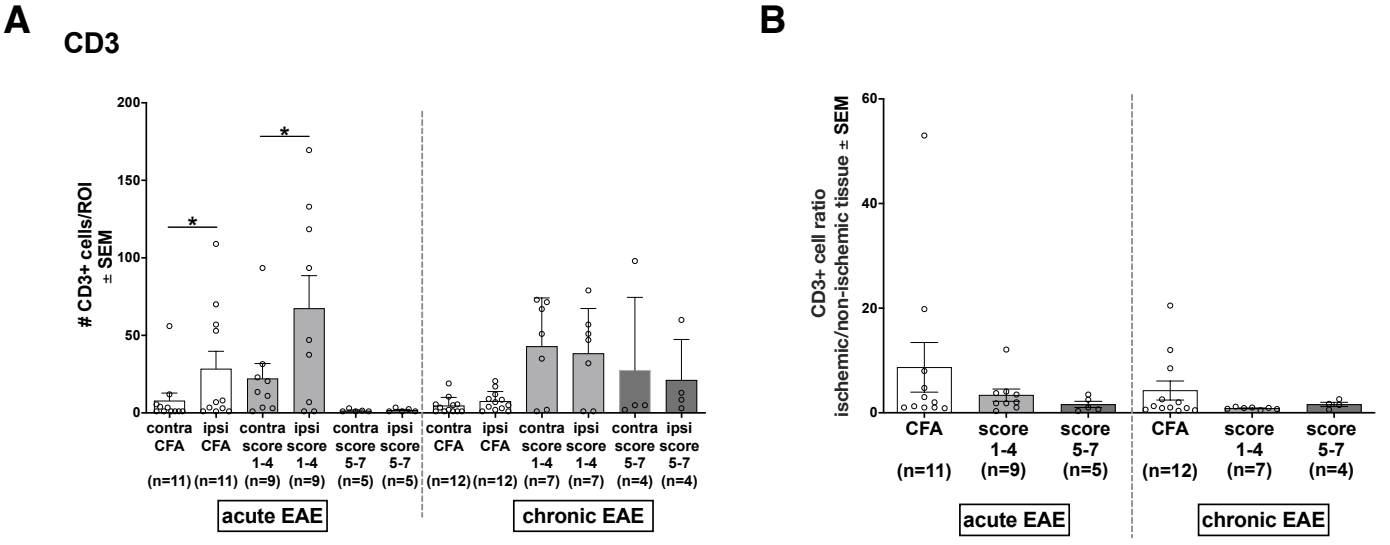

Figure e-3: Expression profiles of differentially regulated genes in the infarct core after tMCAO induced in the acute or chronic EAE phase

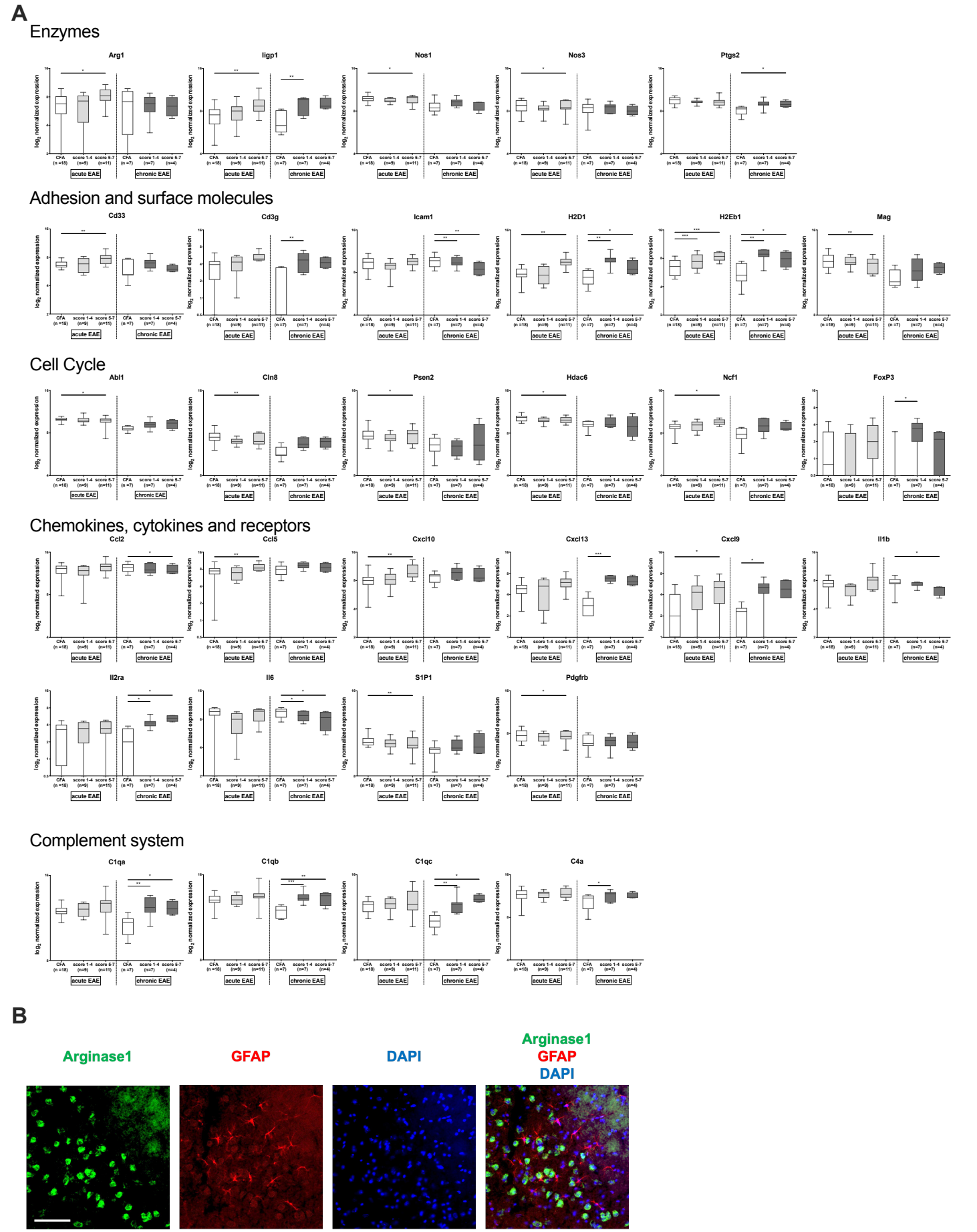

Figure e-1: Effects of 60min tMCAO induced in CFA-immunized and diseased EAE mice in the acute EAE phase after 3h of reperfusion.

(A) Infarct size of CFA-immunized and diseased EAE mice sacrificed 3h after tMCAO that was induced for 60min in the acute EAE phase. Box-Plot with 5-95% percentiles. **(B)** Edema size of CFA-immunized and diseased EAE mice 3h after 60 min tMCAO induced in the acute EAE phase. Box-Plot with 5-95% percentiles. * for $p < 0.05$.

Figure e-2: CD3+ cells in the striatum and surrounding cortex 24h after tMCAO induced in the acute or chronic EAE phase.

(A) Number of CD3+ cells in the infarct core and surrounding cortex 24h after tMCAO (ipsi) or the corresponding regions in the non-ischemic hemisphere (contra) in different phases of EAE and **(B)** cell ration (ischemic/non-ischemic) of CD3+ cells. p-values of Wilcoxon rank sum test comparing absolute numbers ipsi- vs. contralateral for every group. * for $p < 0.05$.

Figure e-3: Expression profiles of differentially regulated genes in the infarct core after tMCAO induced in the acute or chronic EAE phase.

(**A**) Box-Plots with 5-95% percentiles. Transcripts were analyzed with one-way ANOVA with Bonferroni post hoc correction with adjusted p-values: * for $p < 0.05$; ** for $p < 0.01$; *** for $p < 0.001$. (**B**) Representative histological stainings of Arginase1 (green) and GFAP (red) localization in the ischemic brain. 20 µm brain slices were stained with respective antibodies, nuclei were stained with DAPI. Merged image shows no co-localization of Arginase1 and GFAP positive cells. Scale bar: 100 µm.

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