**S1 Table: Quantifications of the cytokine expression in cortex, hippocampus, and sub-cortex in 2-months old Syn2-/- mice by multiplex ELISA**

Data are presented as pg/mg protein (mean ± SEM), n = 3-5 WT and 3-6 Syn2-/-.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Ctx** | | **HPC** | | **SC** | |
|  | **WT** | **Syn2-/-** | **WT** | **Syn2-/-** | **WT** | **Syn2-/-** |
| **IL-1** | 0.06 ± 0.003 | 0.06 ± 0.003 | n.d. | n.d. | 0.02 ± 0.008 | 0.02 ± 0.006 |
| **IL-6** | n.d. | n.d. | n.d. | n.d. | 0.36 ± 0.10 | n.d. |
| **TNF-** | n.d. | n.d. | 0.06 ± 0.009 | 0.05 ± 0.02 | 0.12 ± 0.01 | 0.12 ± 0.01 |
| **IFN-** | 0.02 ± 0.001 | 0.02 ± 0.001 | n.d. | n.d. | n.d. | n.d. |
| **IL-5** | 0.02 ± 0.003 | 0.03 ± 0.003 | n.d. | n.d. | 0.29 ± 0.0004 | n.d. |
| **IL-12p70** | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| **IL-2** | 0.06 ± 0.004 | 0.06 ± 0.006 | n.d. | n.d. | n.d. | n.d. |
| **IL-4** | 0.03 ± 0.002 | 0.04 ± 0.002 | n.d. | n.d. | n.d. | n.d. |
| **IL-10** | n.d. | n.d. | 0.23 ± 0.04 | n.d. | 0.6 ± 0.06 | 0.6 ± 0.04 |

Ctx = cortex, HPC = hippocampus, SC = sub-cortex. “n.d.” represents that the values are below the detection limit of the assay.