**Table S4. Summary of zebrafish morpholino and gRNA injections**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene Perturbation** | Concentration of MO/gRNA | Embryos Injected | # scored for percentage  showing glial phenotype |
| ***tnfa* MO** | 0.5 mM | >100 | 16 |
|  | 1 mM | ~100 | NA\* |
| ***tnfr2* MO** | 0.2 mM | >100 | 17 |
|  | 1 mM | ~120 | NA\* |
| ***tnfr1* MO** | 0.6 mM | ~100 | 16 |
| ***tnfa* gRNA** | 75 ng/ul | >100 | 16 |
| ***tnfr2* gRNA** | 75 ng/ul | >100 | 16 |

In all experiments, larvae were randomly selected from injected clutches for phenotypic assessment. \*These animals showed gross morphological defects in <50% of the injected animals and therefore were not analyzed for percentage of nerves that were defective per animal.