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| **Supplementary File 1. Number of animals per group for in vivo studies** |
| **Experiment Description** | **Group** | **Time of Sacrifice** | ***N*** | **Tissue sectioning/purpose** | **Behavior** | **Exclusions** |
| **C1q expression in the injury epicenter.**  | Contusion injury | 3h, 24h, 9d post injury | *12* | 3mm sections. Total protein extraction | None | None |
| Laminectomy only (sham) | 3h, 24h, 9d post injury | *4* | 3mm sections. Total protein extraction | None | None |
| **CD44 WT and KO hNSC transplantation into the acute SCI microenvironment** | CD44 WT hNSCs | 16wk post-transplant | *10* | Transverse fate and lesion quantification *(N=5-6)* behavior *(N=10)* | BMS, Ladder Beam.  | N = 1 excluded. 2SDs outside the group mean. |
| CD44 KO hNSCs | 16wk post-transplant | *8\** | Transverse fate and lesion quantification *(N=5-6)*behavior *(N=8)\** | BMS, Ladder Beam.  | N=1 excluded. 2SDs outside the group mean\*N=2 mice exhibitedprogressive declinein activity and were excluded and sacrificed.  |
| Vehicle | 16wk post-transplant | *10* | Transverse fate and lesion quantification *(N=6),* behavior *(N=10)* | BMS, Ladder Beam.  | None |
| **C1q-epicenter blockade in acute SCI microenvironment** | α-C1q Ab + hNSCs | 12wk post-transplant | 6 | Transverse fate and lesion quantification, behavior | BMS, Catwalk | None |
| Vehicle + hNSCs | 12wk post-transplant | *5* | Transverse fate and lesion quantification, behavior  | BMS, Catwalk\* | None \*N=2 mice did not reach sufficient BMS score (5) to be tested in catwalk. |