

Supplemental Figure 1. Relationship between total cross-sectional area of the spinal cord and BrdU<sup>+</sup> cell density in Experiment 1 (A, single BrdU injection) and Experiment 2 (B, Five BrdU injections). Treatment groups indicated by symbol color (Black = Transected; Red = Sham; Green = Unoperated). Survival Time indicated by symbol shape (Crosses = 1-day; Open squares = 14-day; Filled squares = 30-day). Treatment significantly affected BrdU<sup>+</sup> cell density in both experiments (GLM, Experiment 1,  $F_{(1,15)}$  = 13.0, p<0.01; Experiment 2,  $F_{(2,22)}$  = 9.05, p <0.01), but cross sectional area of the spinal cord was not significantly related to BrdU+ cell density (GLM, Experiment 1,  $F_{(1,15)}$  = 0.01, p>0.9; Experiment 2,  $F_{(1,22)}$  = 0.65, p = 0.43).