Figure e-1: Activated GSK3β (pGSK3β) localization in hippocampus of CTE and control.

A redistribution of pGSK3β is observed in CTE and CTE-ALS cases in which immunoreactivity is prominent in both the nuclear and cytosolic compartments whereas in control cases, immunoreactivity is restricted to the nuclear compartment. Tissue stained with mouse anti-GSK3β pTyr216. Images taken from hippocampal CA4 region with 40x objective.
Figure e-2: Quantification of cytosolic active GSK3β in both injured and uninjured rats.

Cytosolic activated GSK3β (pGSK3β) was elevated following moderate TBI in comparison to uninjured rats. Bar graph showing ratio of cells with widespread pTyr216 GSK3β compared to cells showing predominantly nuclear pTyr216 GSK3β. Values represent counts from 3 rats (control) or 6 rats (TBI). * represents p < 0.05.