

Figure e-1: Activated GSK3 β (pGSK3 β) localization in hippocampus of CTE and control.

A redistribution of pGSK3 β 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-GSK3 β pTyr²¹⁶. Images taken from hippocampal CA4 region with 40x objective.

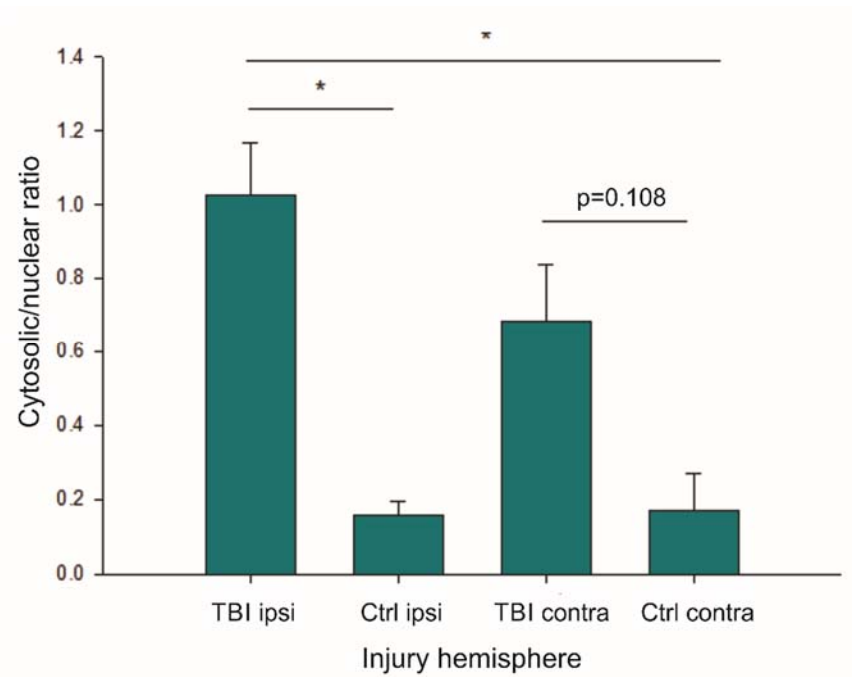


Figure e-2: Quantification of cytosolic active GSK3 β in both injured and uninjured rats. Cytosolic activated GSK3 β (pGSK3 β) was elevated following moderate TBI in comparison to uninjured rats. Bar graph showing ratio of cells with widespread pTyr²¹⁶ GSK3 β compared to cells showing predominantly nuclear pTyr²¹⁶ GSK3 β . Values represent counts from 3 rats (control) or 6 rats (TBI). * represents $p < 0.05$.