

SUPPLEMENTARY TABLE S6. REPETITIVE TBI RESULTED IN SLEEP DISTURBANCES, ACUTE SENSORIMOTOR AND AFFECTIVE DEFICITS (1–7 DAYS POST-INJURY), AND NEUROPATHOLOGY THAT PERSISTED TO 28 DAYS POST-INJURY

| | <i>Sham</i> | <i>TBI</i> | <i>rTBI 3 h</i> | <i>rTBI 9 h</i> |
|--|-------------|------------|-----------------|-----------------|
| Acute cumulative sleep changes | – | – | + | – |
| Acute sensorimotor deficits | – | + | + | + |
| Acute affective behavioral deficits | – | – | + | – |
| Acute cognitive deficits | – | – | – | – |
| Acute neuropathology | – | – | + | + |
| Persisting affective behavioral deficits | – | – | – | – |
| Persisting cognitive deficits | – | – | – | – |
| Persisting neuropathology | – | – | + | + |

A three hour inter-injury interval may be prognostic of a protracted recovery compared to a nine hour interval or a single diffuse TBI. TBI, traumatic brain injury; rTBI, repetitive TBI.