

SUPPLEMENTARY FIG. S2. Physiological monitoring of animals revealed no adverse effects during surgery or weight change with drug treatment. Representative pulse oximetry readings of heart rate and arterial oxygenation for sham (**A**,**B**) and traumatic brain injury (TBI) (**C**,**D**) animals, respectively, with the accepted normal range depicted. Red arrows indicate (from left to right): surgery initiation, craniotomy, controlled cortical impact (CCI) (C-D only), and end of surgery. (**E**) Mean measures for heart rate (graphed at $1/4^{th}$ scale), breath rate, and arterial oxygen across sham and TBI injured animals, reported as mean ± standard error of the mean (SEM), with no significant differences. (**F**) Trend in animal weight across the first four days post-CCI, normalized to pre-injury measures, showing no significant weight loss after TBI with CLP290 or vehicle administration, reported as mean ± SEM normalized to sham-vehicle control, with no significant difference.