



**Figure 3 – figure supplement 2.** Sleep bout analysis after sleep deprivation. (A) Average number of state-specific bouts per hour (difference scores) shown in 7 h (remaining light period) and 6 h blocks. (B) Average bout duration (min) per hour (difference scores) shown in 7 h (remaining light period) and 6 h blocks. Difference scores were calculated by subtracting baseline (BL) values from sleep deprivation (SD) values. Repeated measures ANOVA. Values are means  $\pm$  SEM for wild type (n = 10) and Shank3<sup>ΔC</sup> (n = 10) mice. Significance as  $p < 0.05$ .