



**Figure S7.** Validation results for global and local efficiency were significantly lower during deep anesthesia than during sedation under different network thresholds. (A) & (B) Global and local efficiency under different network densities ( $0.1 \leq \kappa \leq 0.9$  in increments of 0.1). (C) & (D) Global and local efficiency under different correlation thresholds ( $0 \leq r \leq 0.9$ , in increments of 0.1). \* $P < 0.05/3$  with Bonferroni's correction for mild sedation vs. deep anesthesia and deep sedation vs. deep anesthesia.