

**Supplementary Fig. 2.** Loop inconsistency. This plot evaluates the inconsistency of the network using a design-by-treatment interaction model in multi-arm trials. Dot and black line indicate the mean and 95% confidence interval of loop inconsistency. When 95% confidence interval includes "0", the assumption of consistency is satisfied. However, 95% confidence interval does not include "0", the assumption of consistency is satisfied.