Figure S1. Distributions of the evaluation index based on different runoff routing methods for the Dongshi River basin, where the XAJ+LR, XAJ+TDUH and XAJ+DTDUH models are calibrated, respectively. (a) Distribution of *NSE*. (b) Distribution of *RMSE*. (c) Distribution of Q_p. (d) Distribution of T_p.
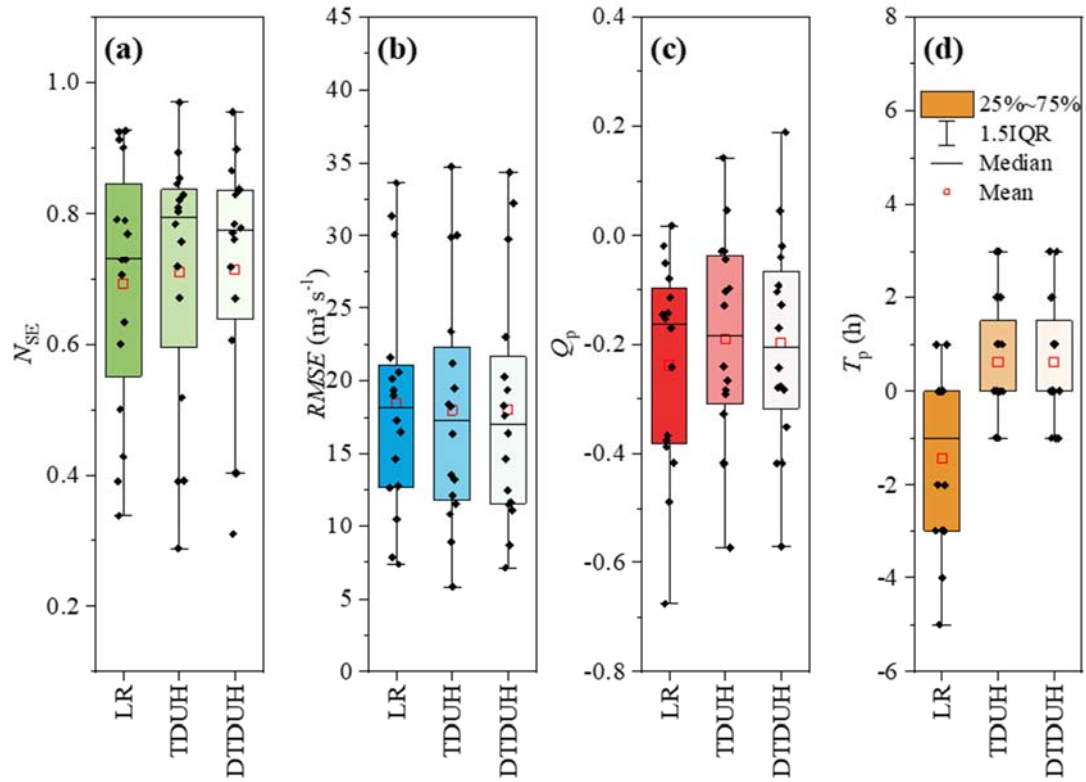
Figure S2. Distributions of the evaluation index based on different runoff routing methods for the Longhu River basin, where the XAJ+LR, XAJ+TDUH and XAJ+DTDUH models are calibrated, respectively. (a) Distribution of *NSE*. (b) Distribution of *RMSE*. (c) Distribution of Q_p. (d) Distribution of T_p.