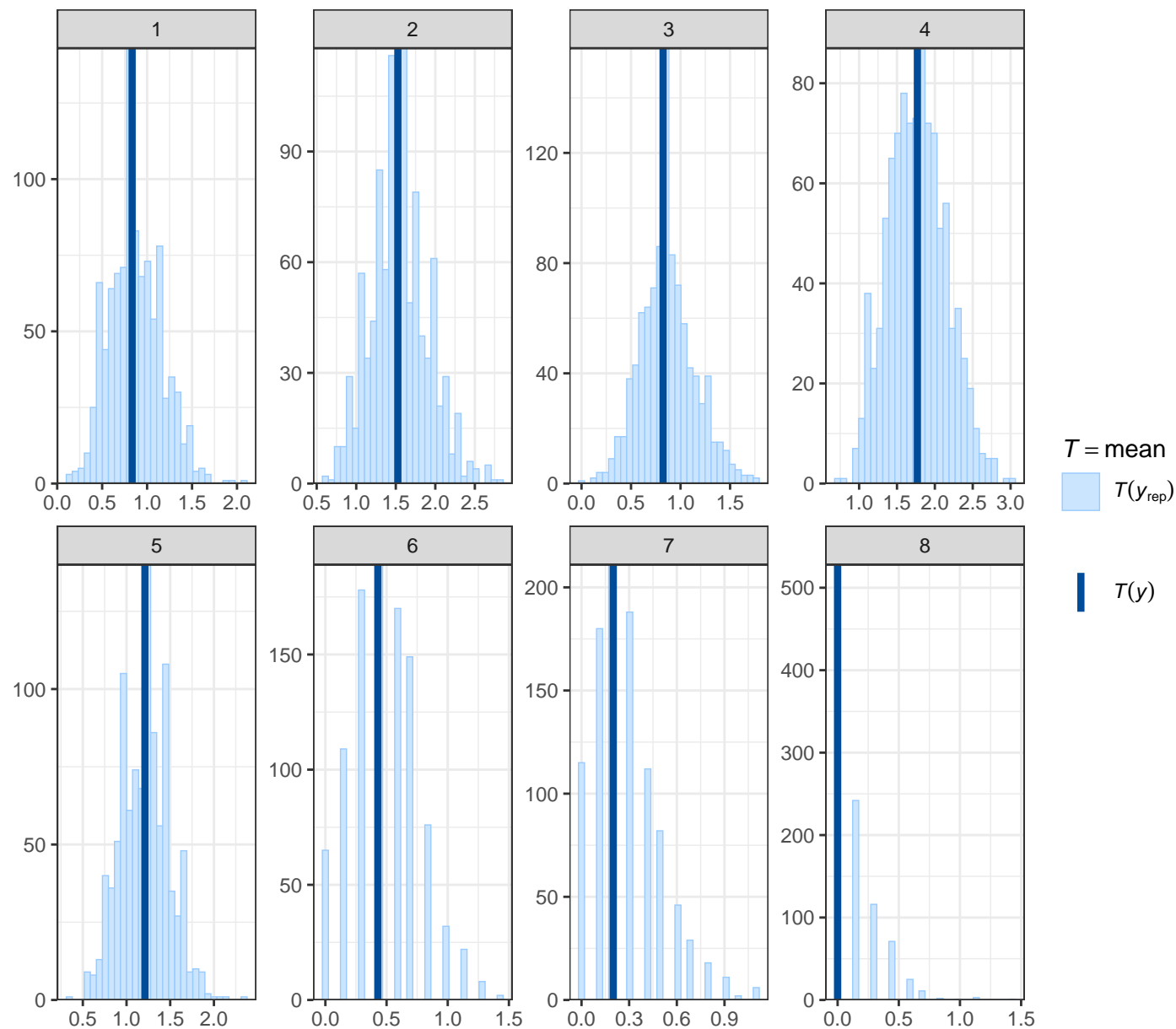
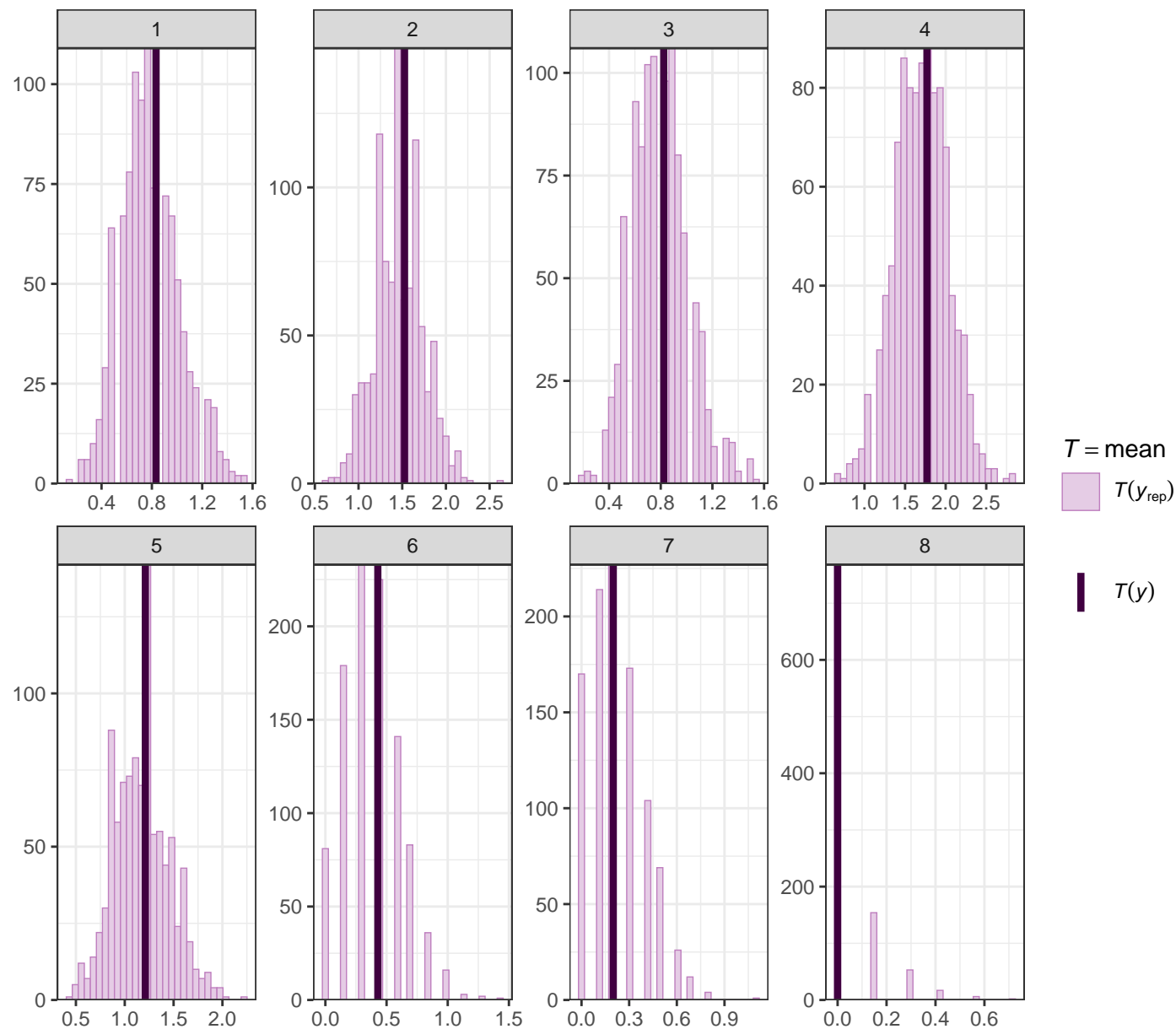


Posterior predictive checks for number of fruiting plants; non-hierarchical model



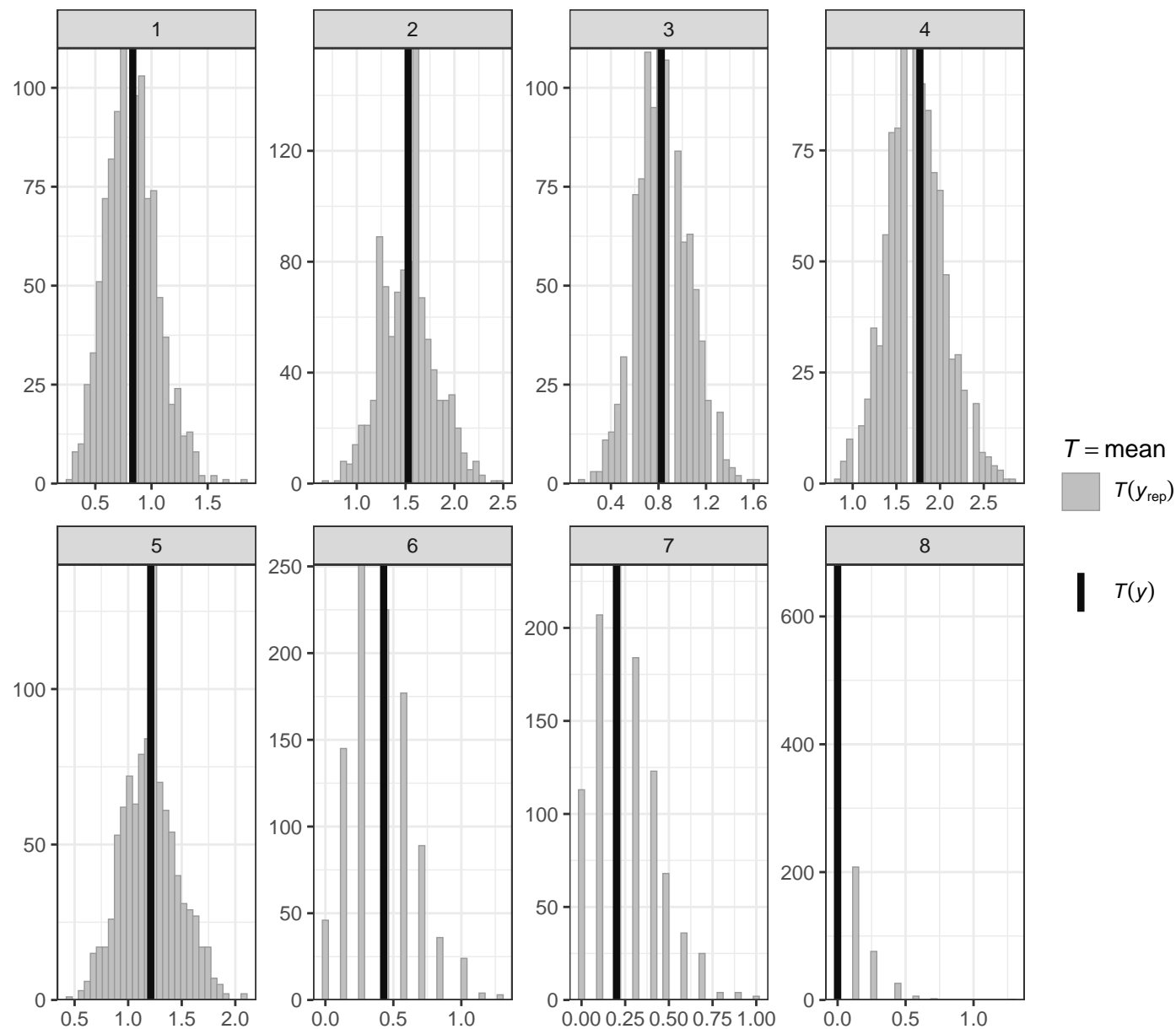
the density of observed data (y) and the lighter lines show the densities of Y_{rep} from 1000 draws of the posterior

Posterior predictive checks for number of fruiting plants; hierarchical model with year-level



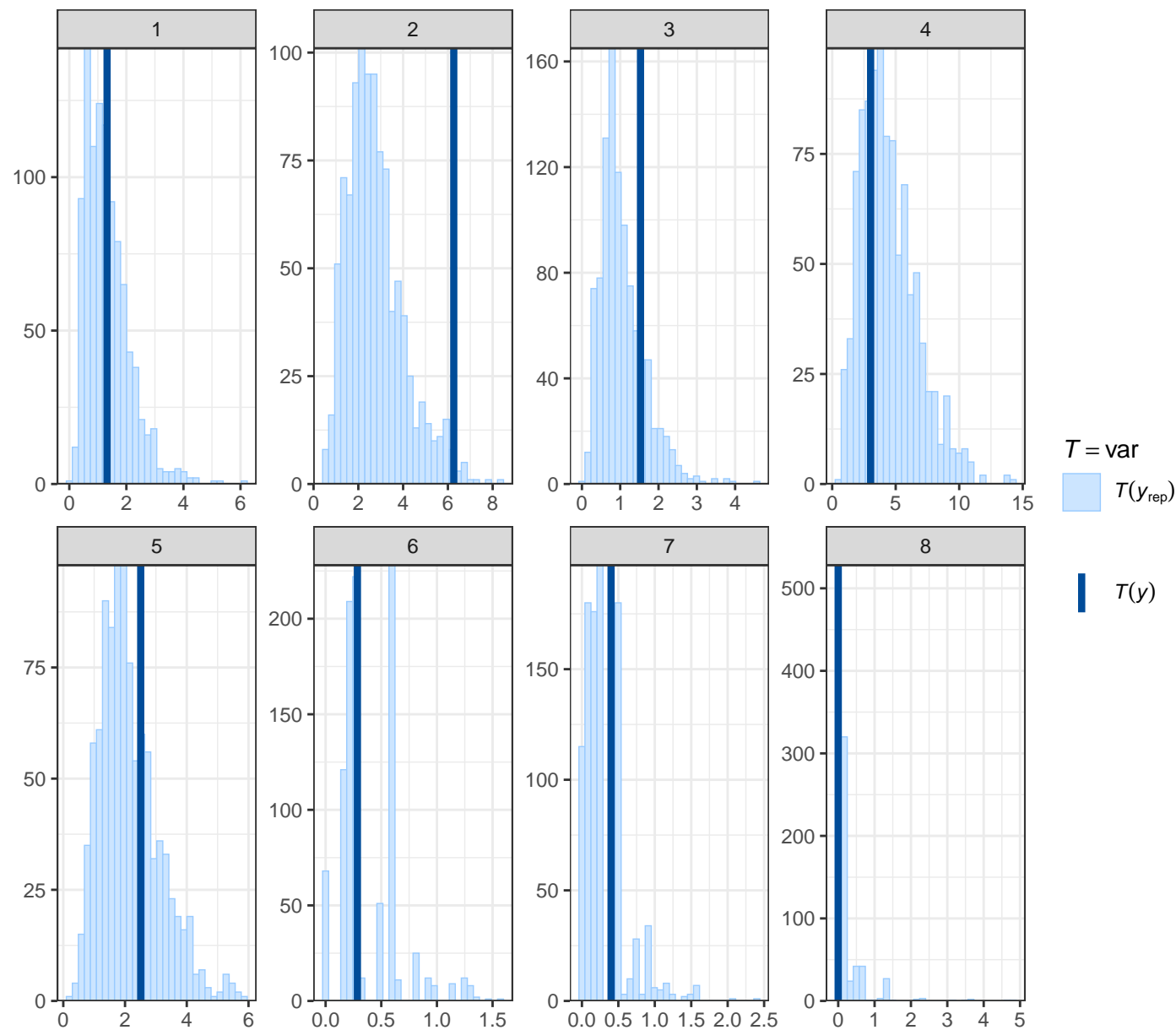
the density of observed data (y) and the lighter lines show the densities of Y_{rep} from 1000 draws of the posterior

Posterior predictive checks for number of fruiting plants; hierarchical model with year– an

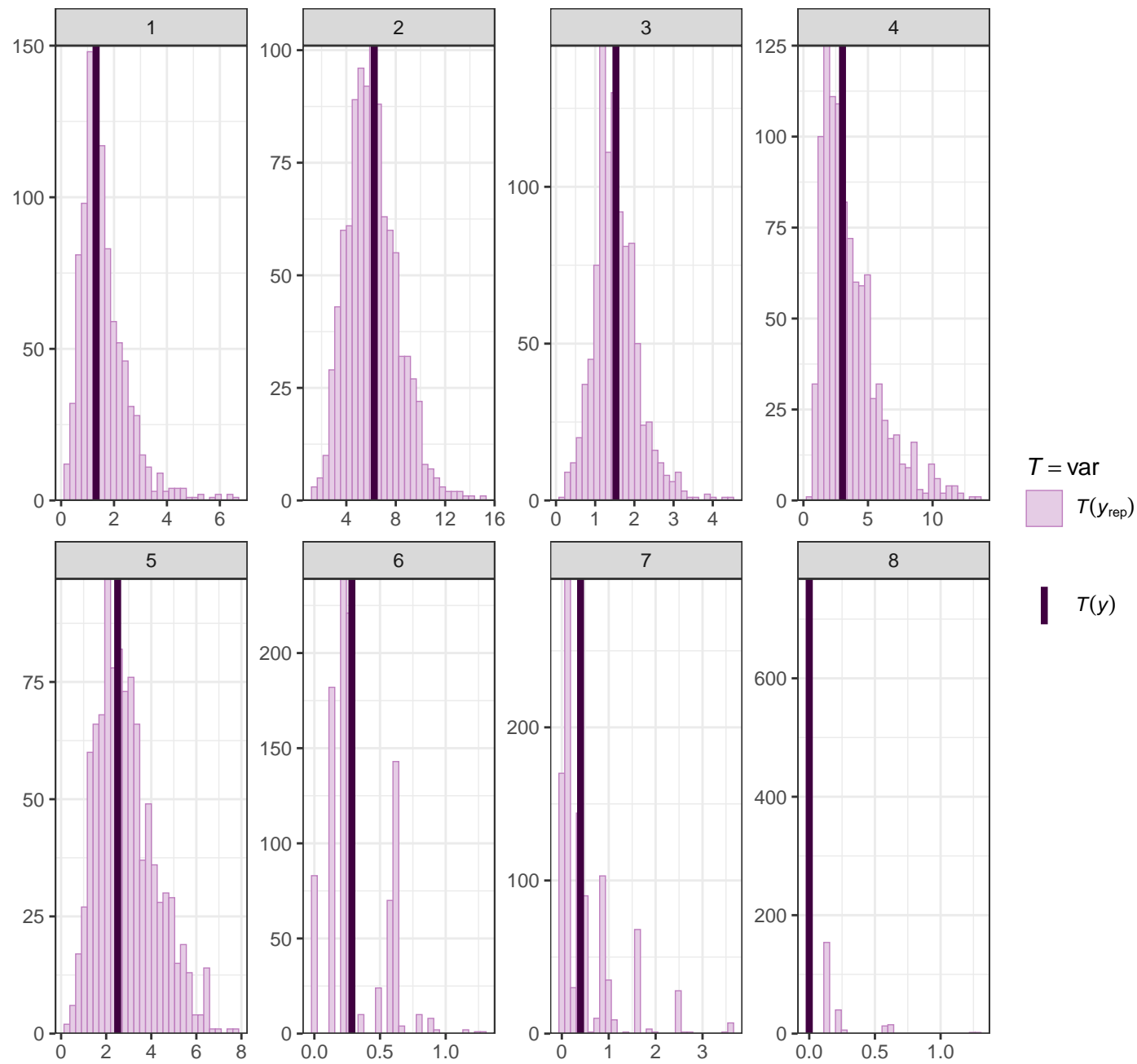


the density of observed data (y) and the lighter lines show the densities of Y_{rep} from 1000 draws of the posterior

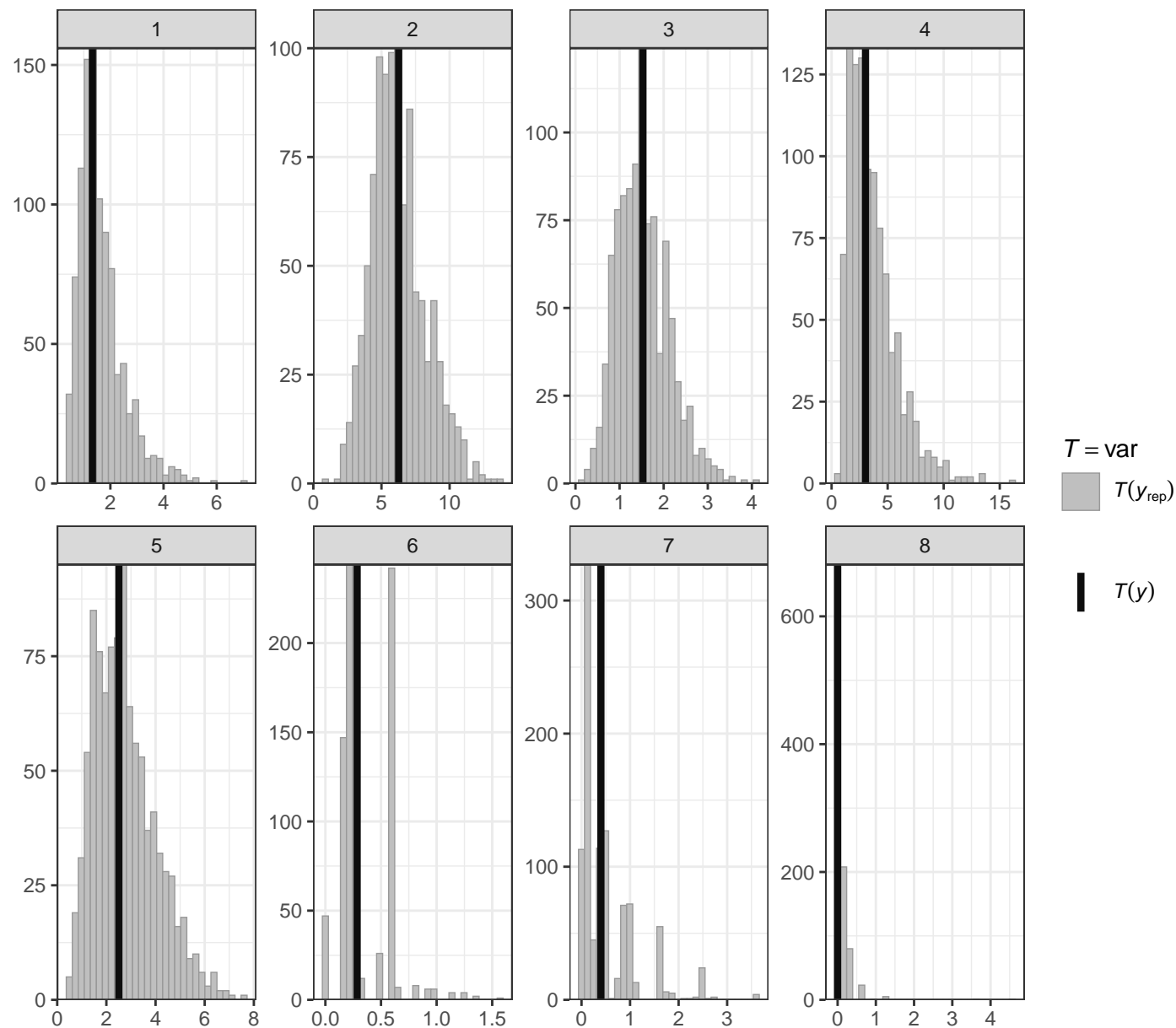
Posterior predictive checks for number of fruiting plants; non-hierarchical model



the density of observed data (y) and the lighter lines show the densities of Y_{rep} from 1000 draws of the posterior



Posterior predictive checks for number of fruiting plants; hierarchical model with year– an



the density of observed data (y) and the lighter lines show the densities of Y_{rep} from 1000 draws of the posterior