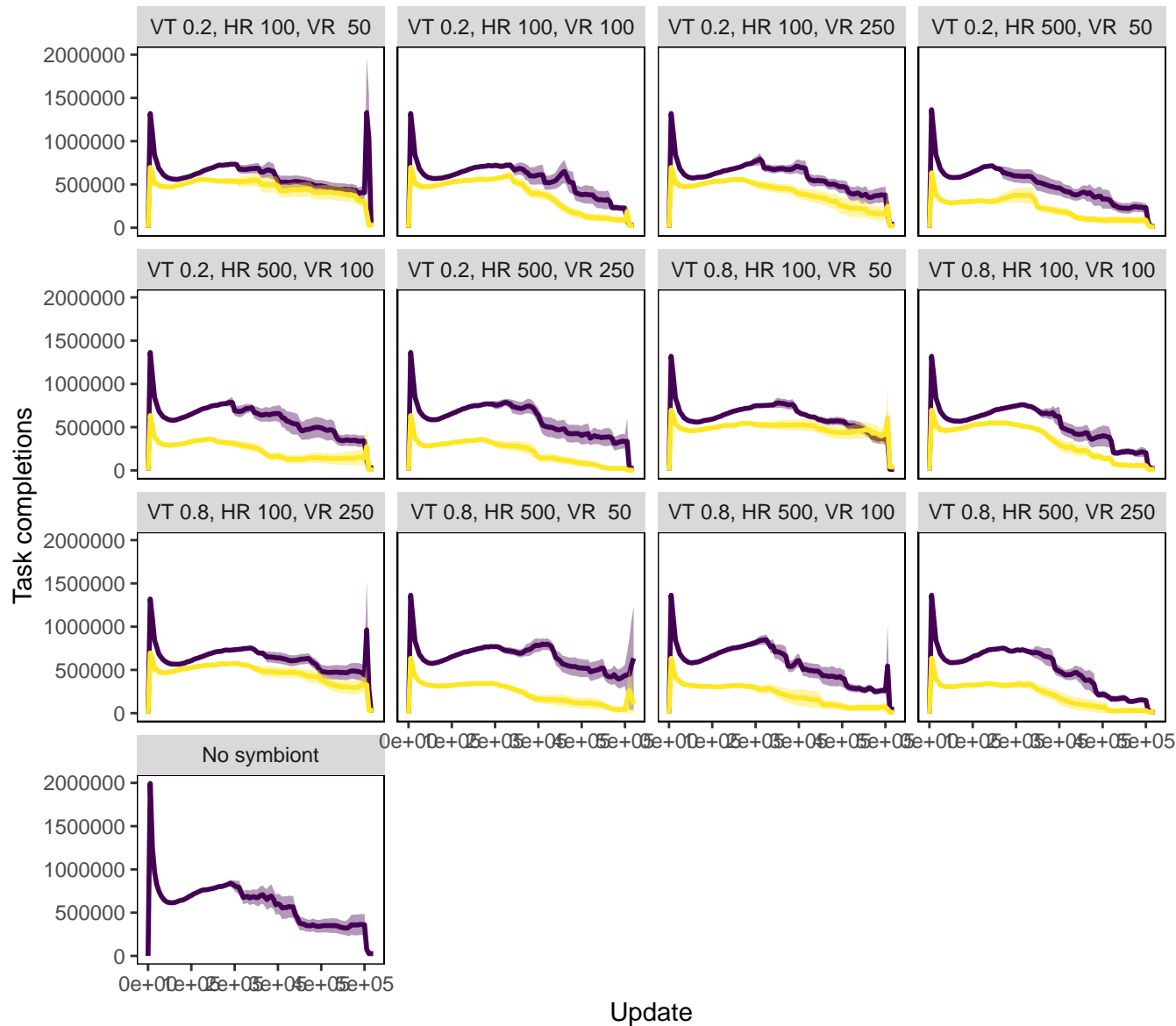# Completions of task NOT
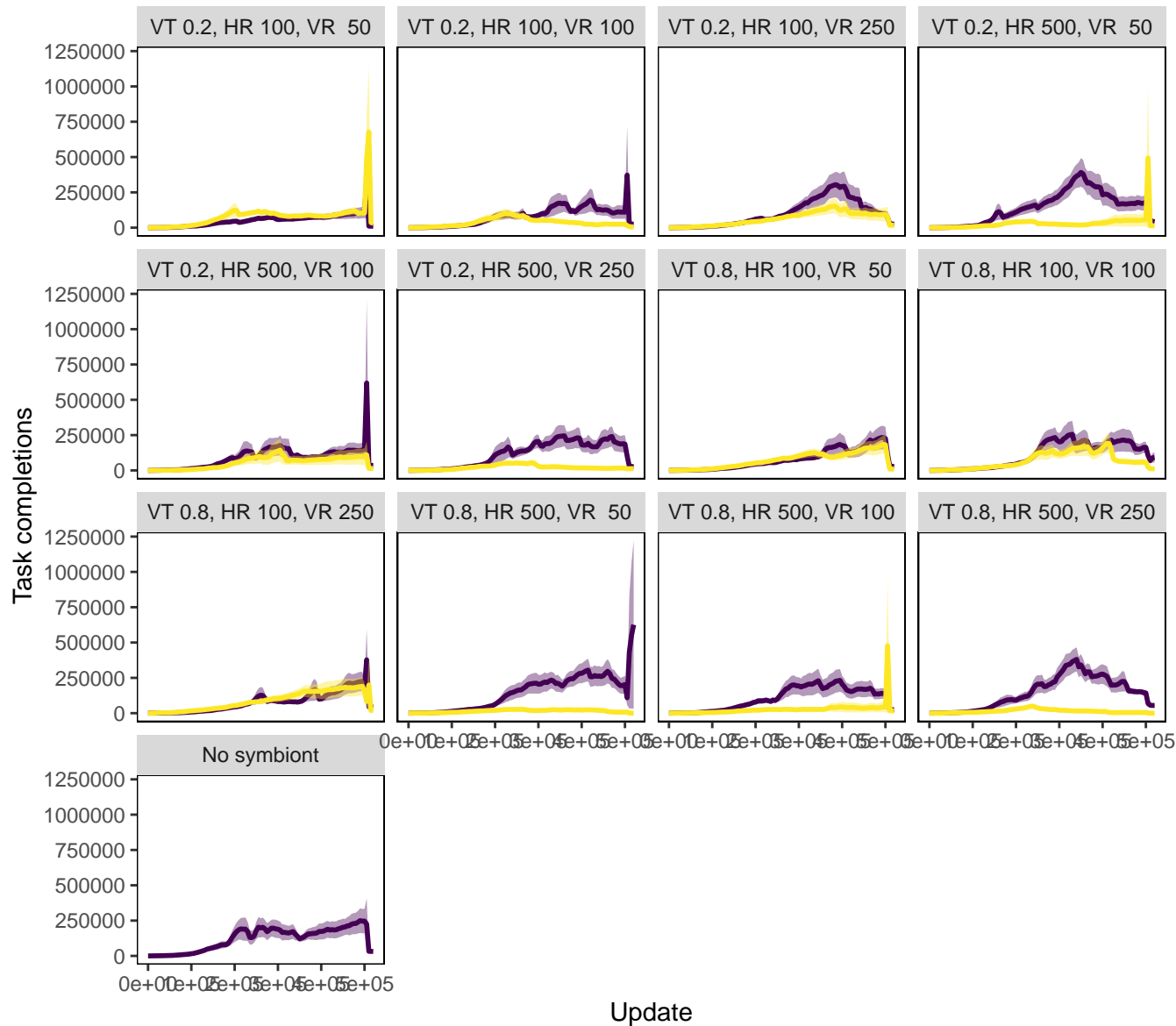
Host   Symbiont
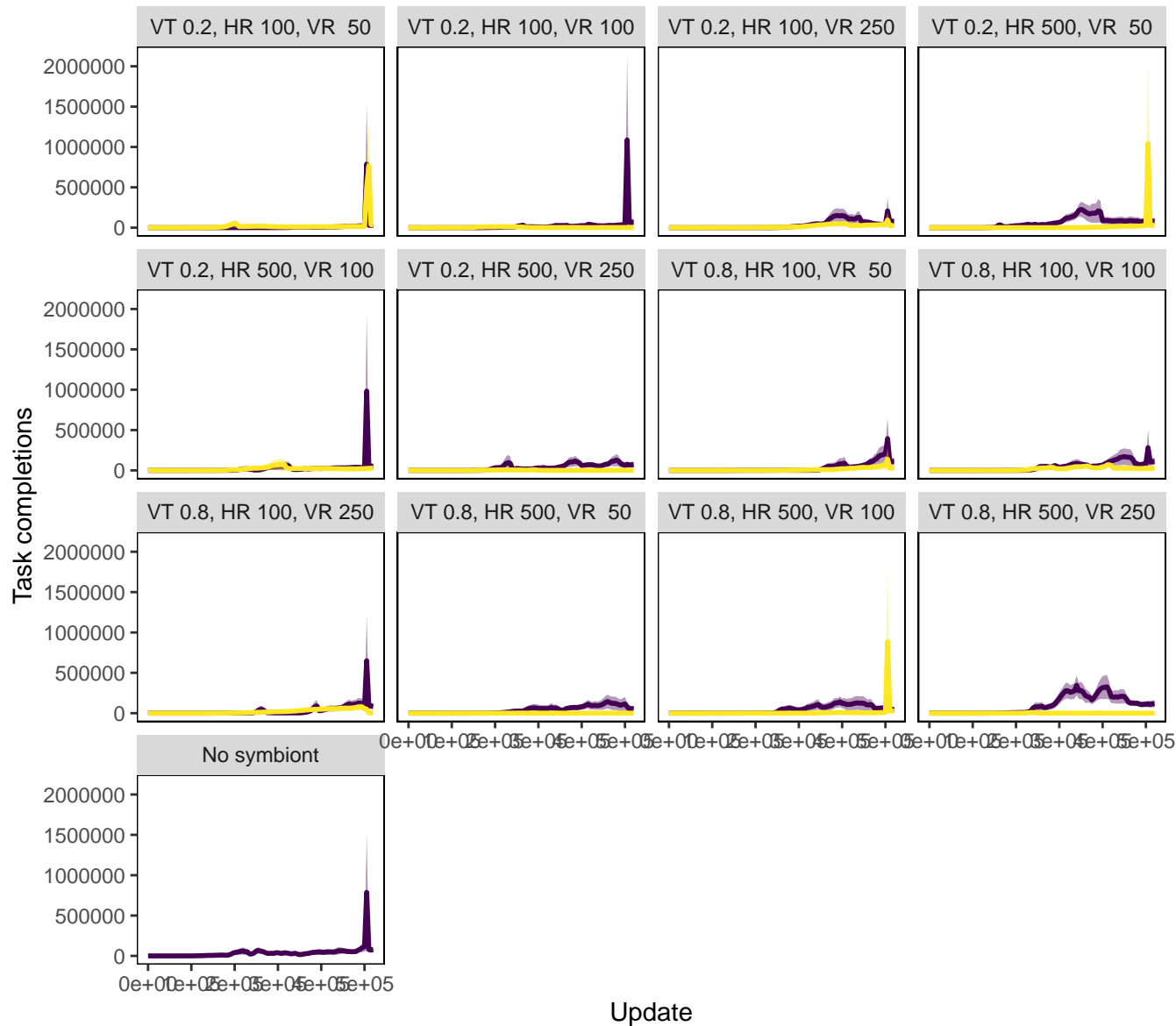
Completions of task NAND

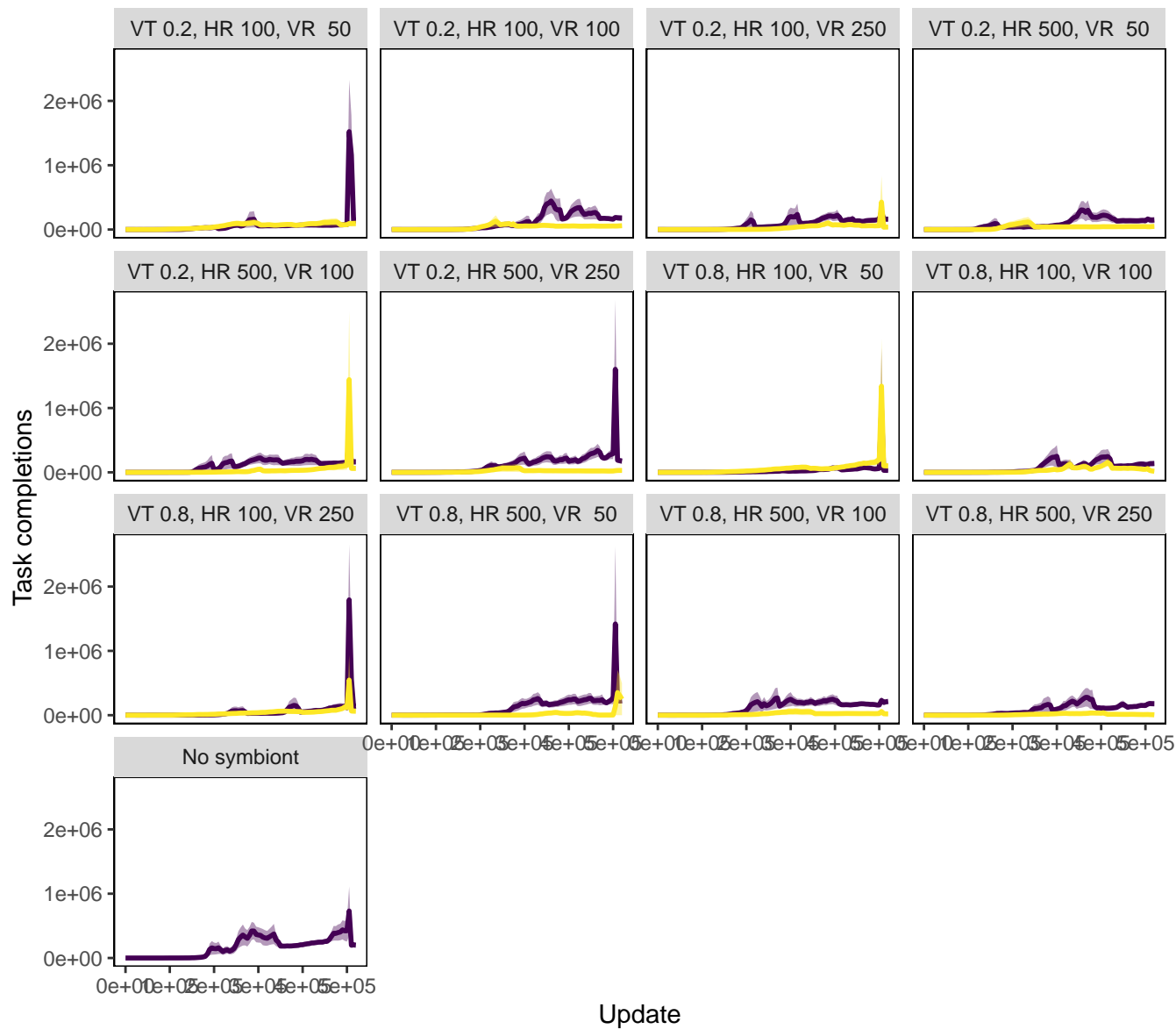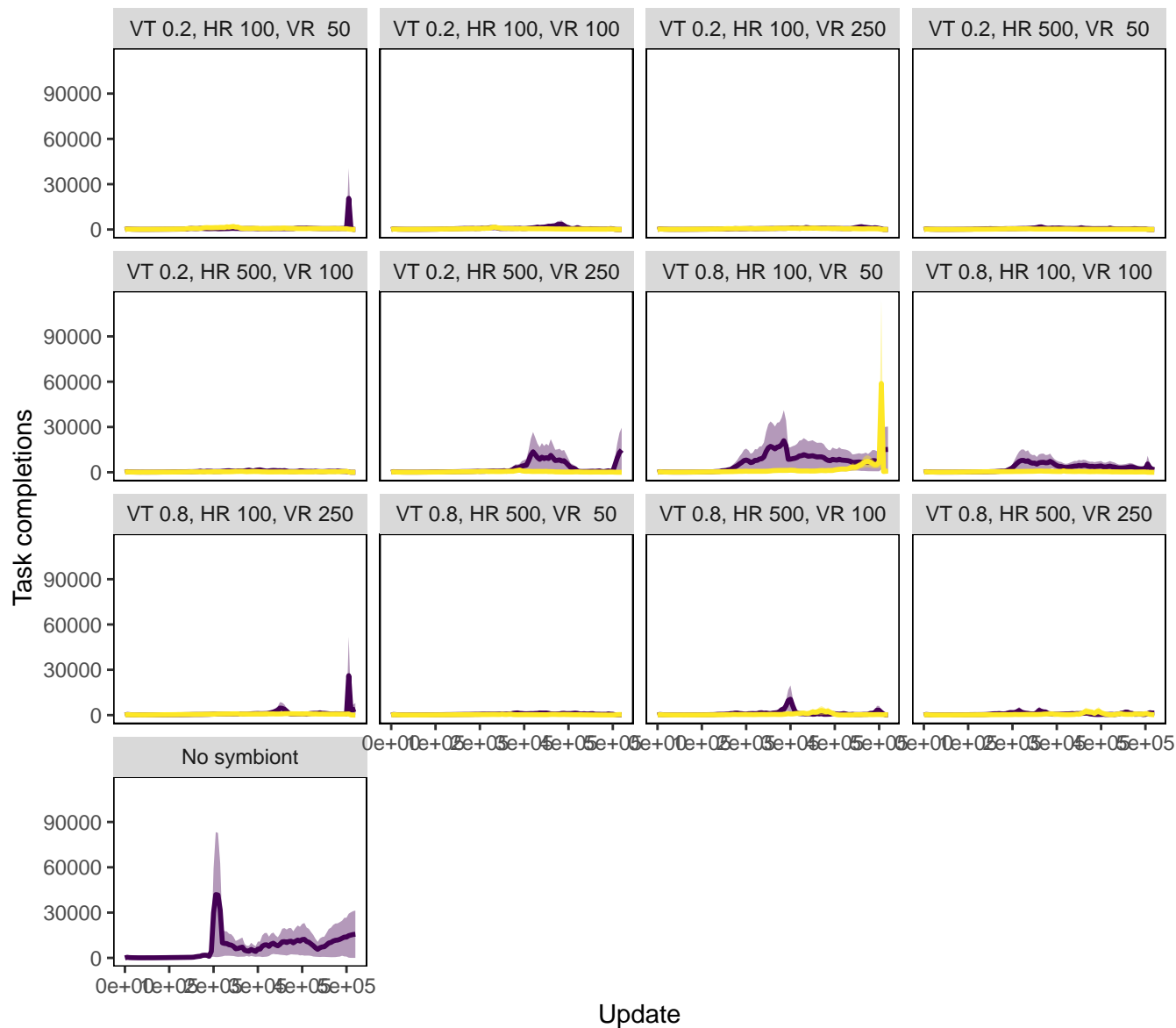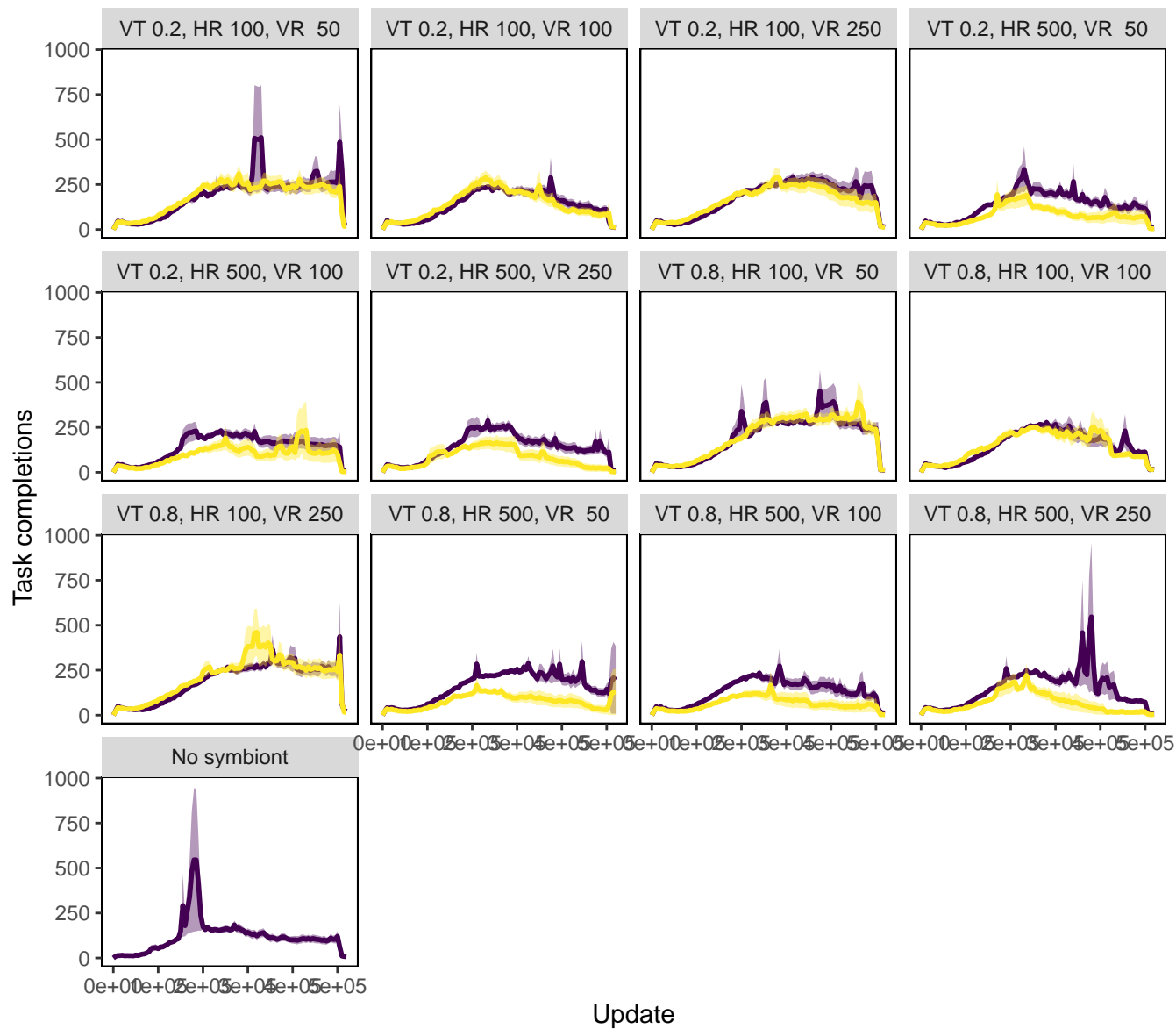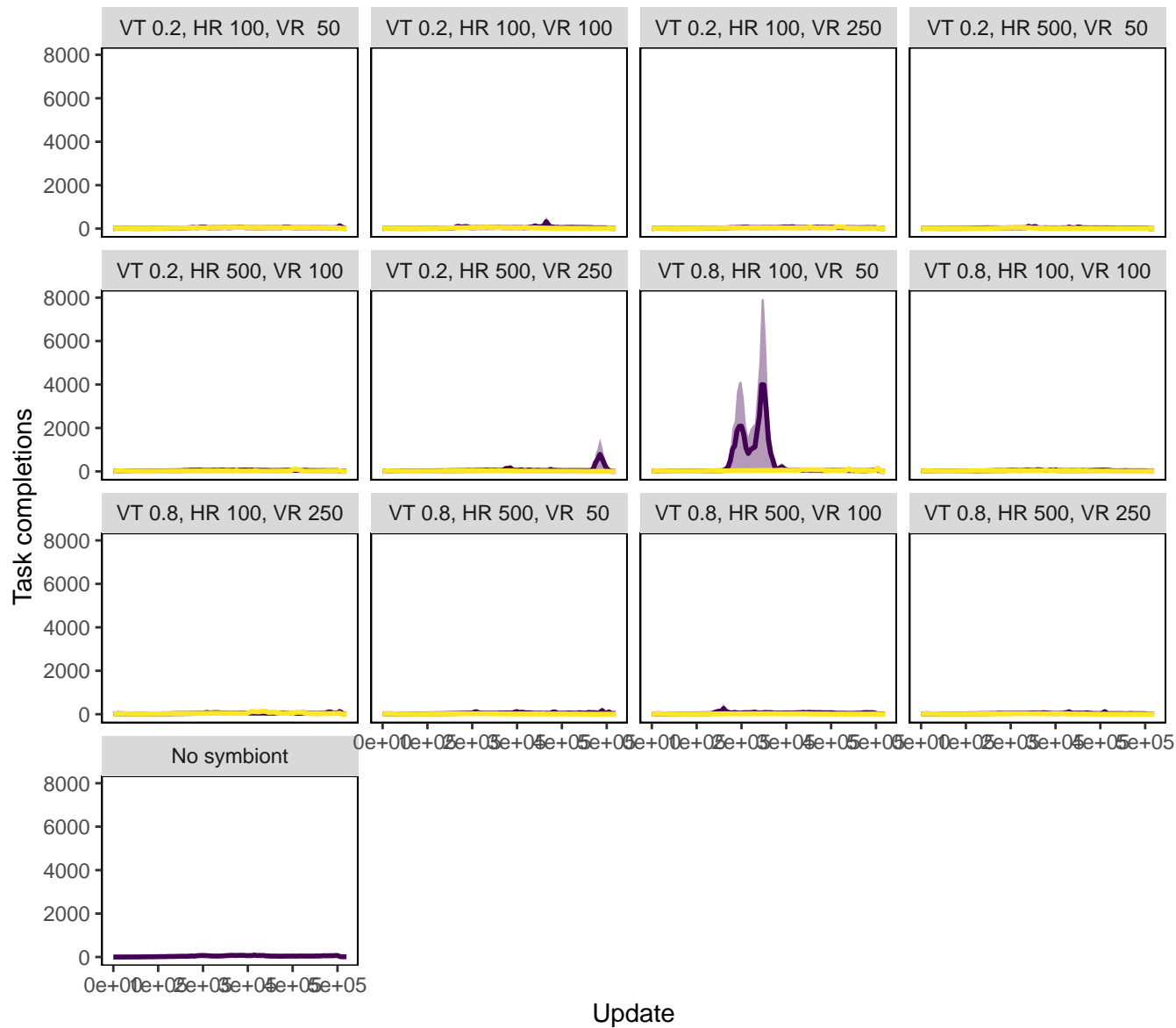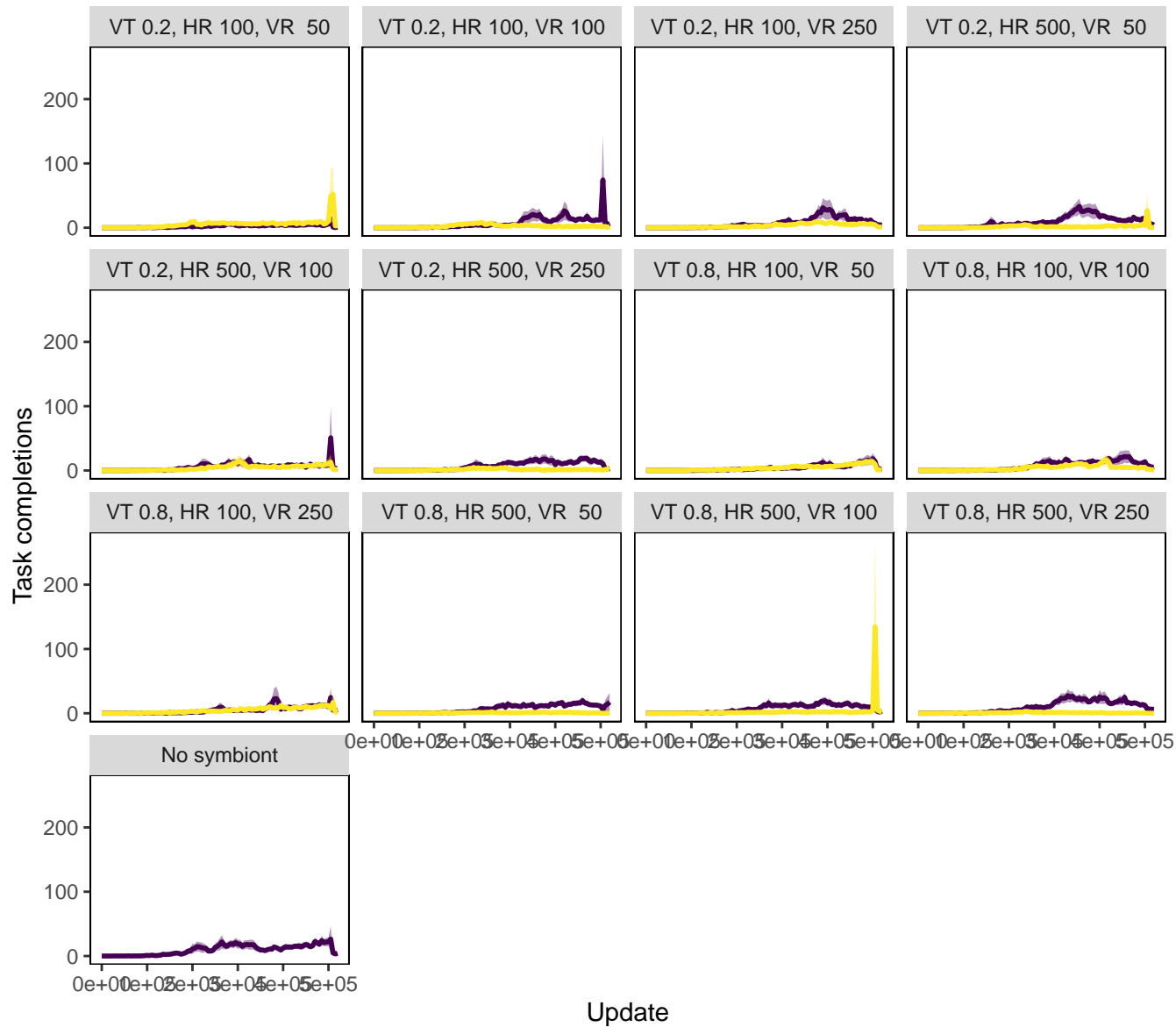Host   Symbiont

Completions of task AND

Completions of task ORN

Host Symbiont

Completions of task OR

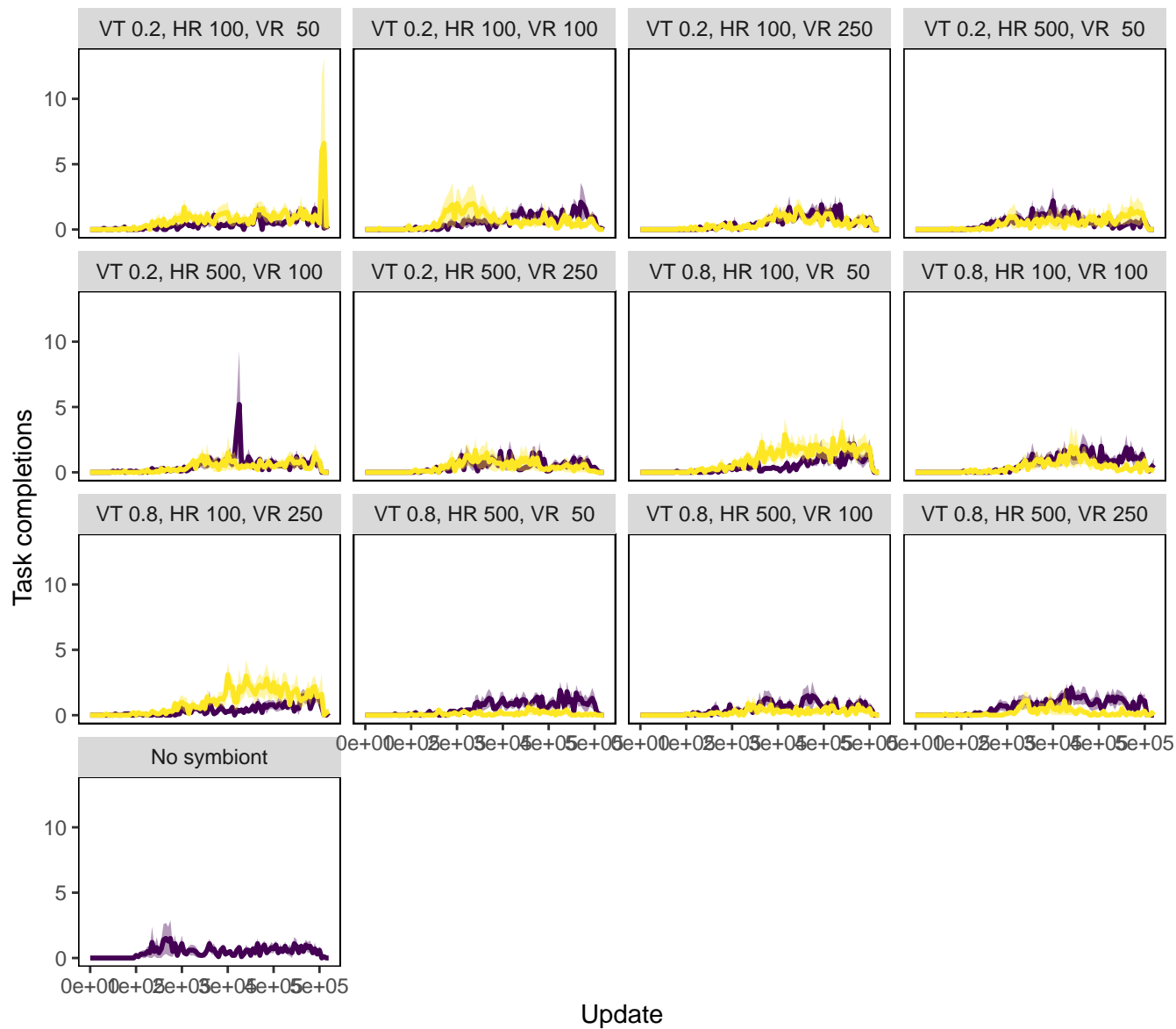Legend: Host (purple), Symbiont (yellow)

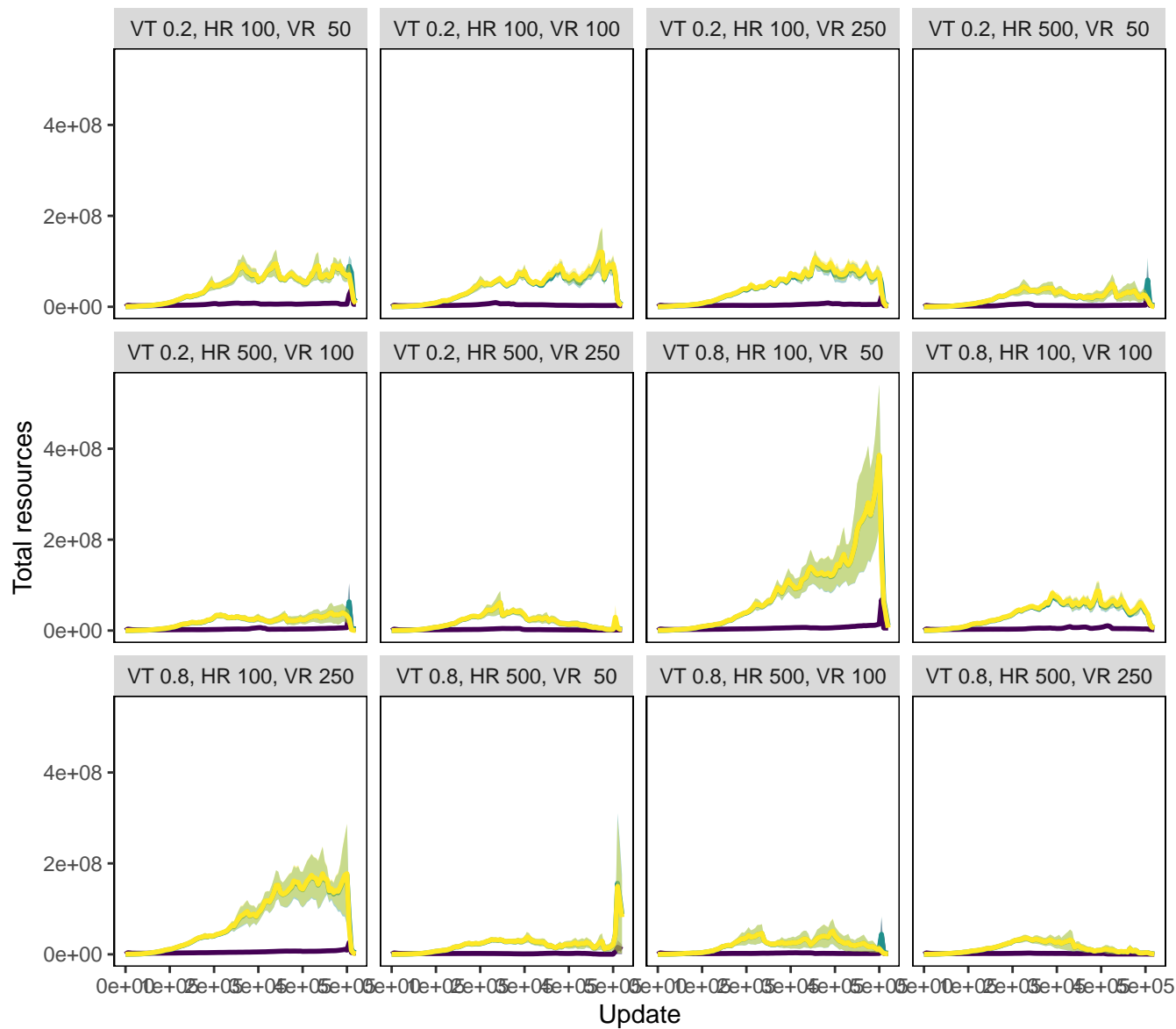# Completions of task ANDN

Completions of task NOR

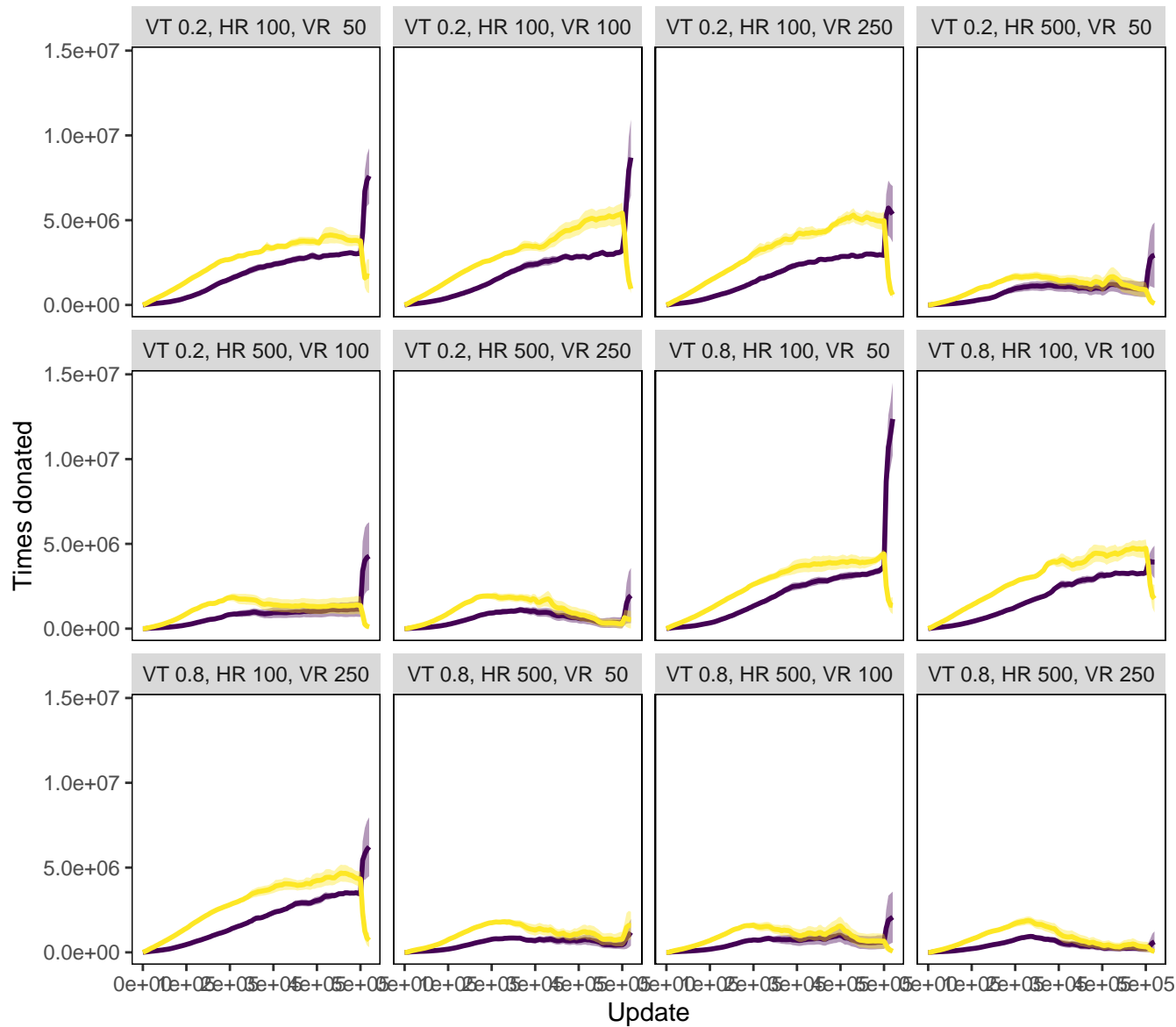# Completions of task XOR

Completions of task EQU

Symbiont resources earned and donated

- Symbiont earned resources
- Symbiont donated resources
- Symbiont stolen resources

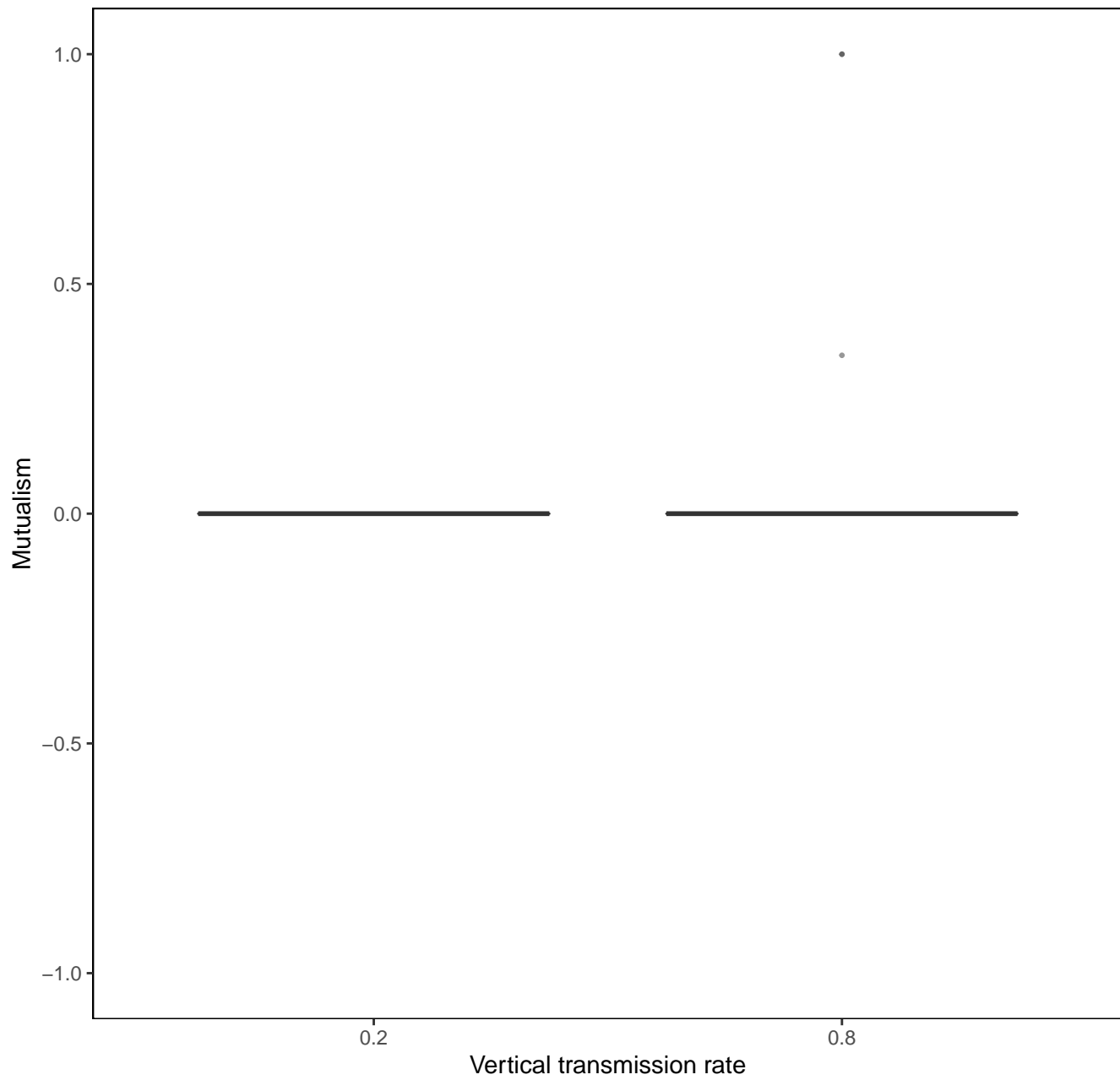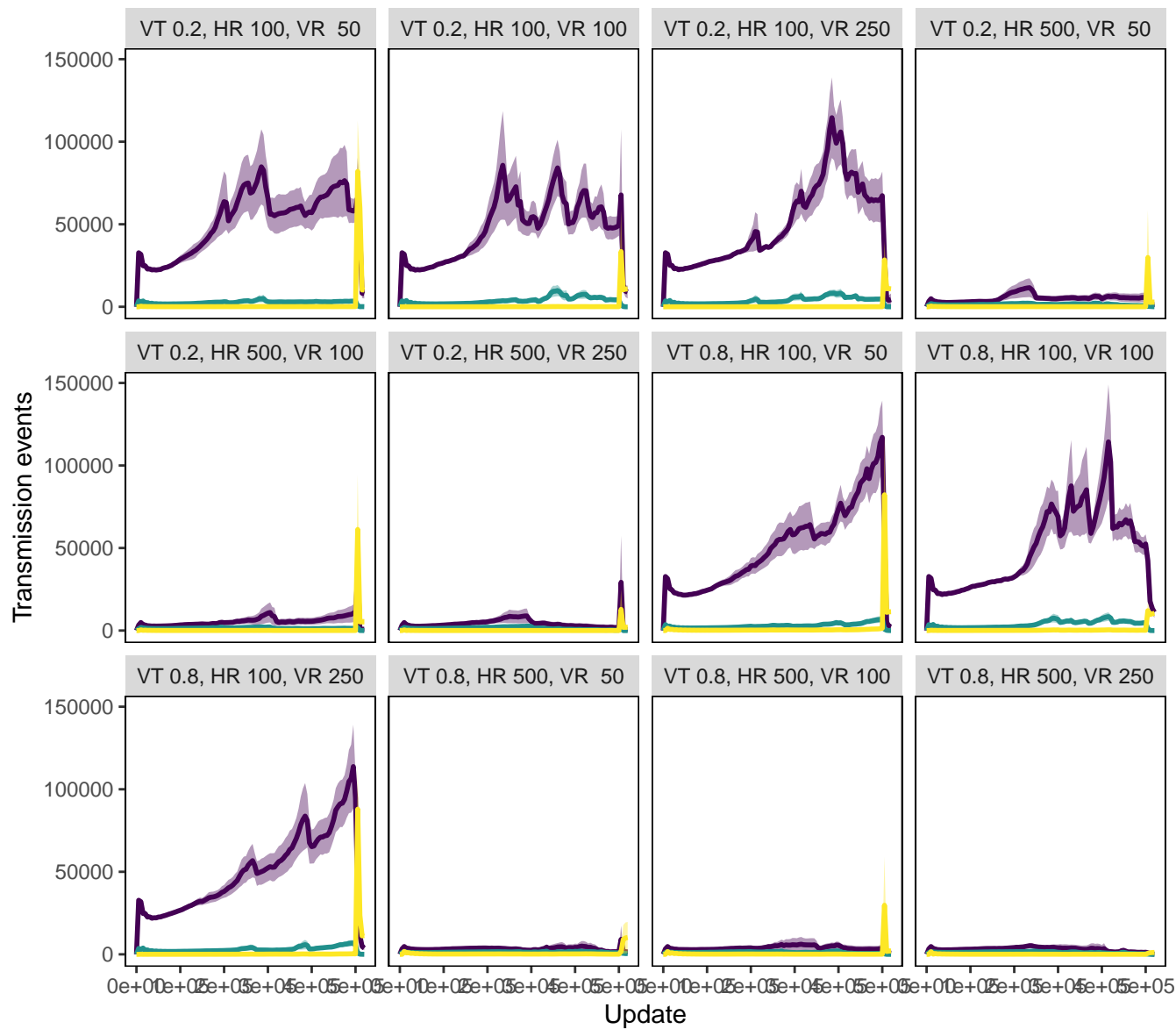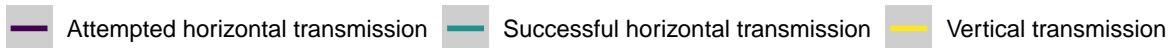# Total times symbionts ran the instruction

Average mutualism in the dominant host

Symbiont transmission events

Legend: Attempted horizontal transmission — Successful horizontal transmission — Vertical transmission

Symbiont transmission events

Successful horizontal transmission ▬ **Vertical transmission** ▬