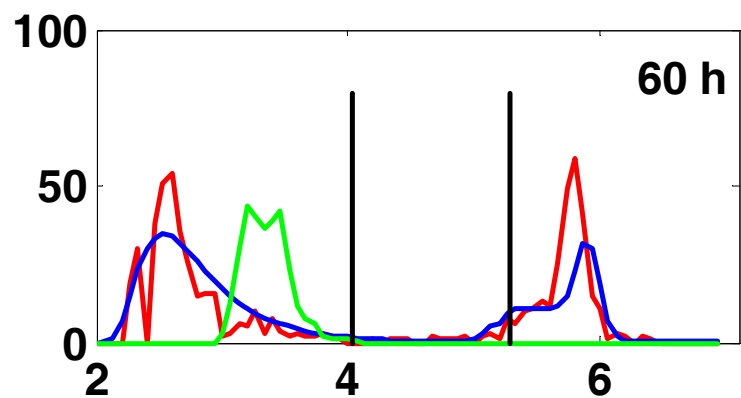
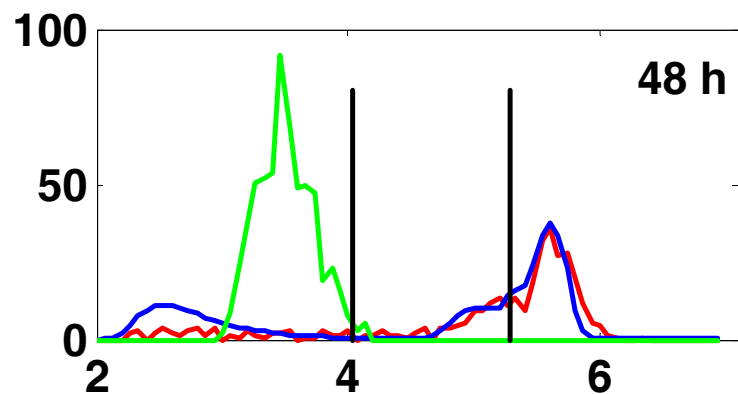
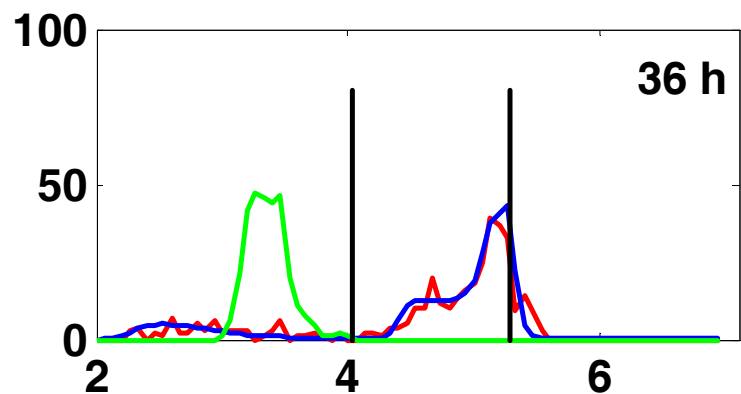
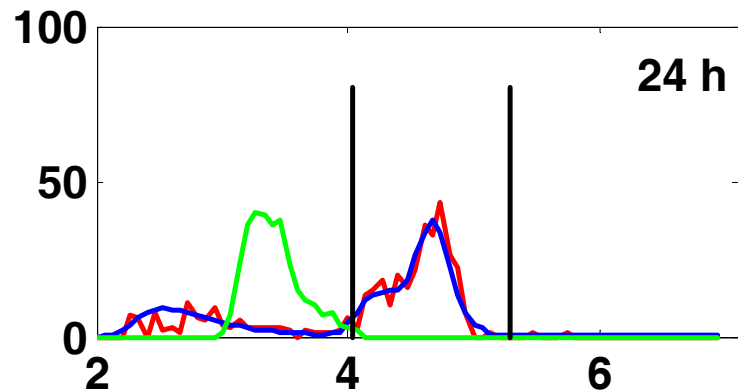
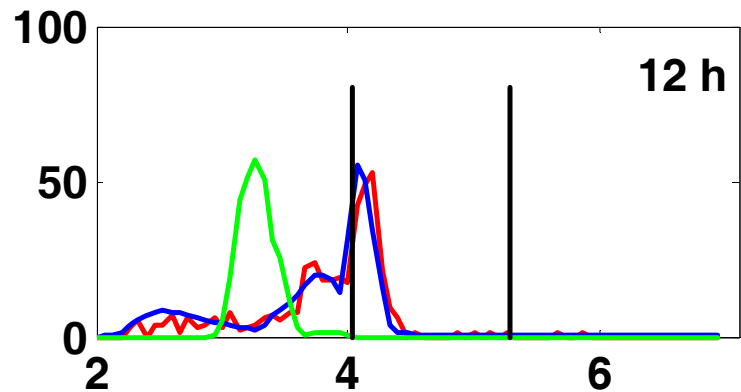


Supplementary File 3 - Observations and predictions of $\log(\text{TOF})$ across all aspiration times and chlorpyrifos concentrations.

Observed frequencies ($\log(\text{TOF})$) of all aspirated measurements (red) and model estimated frequencies of maturing nematodes (blue). The distribution of the loaded nematodes is shown in green. Extraneous noise was modeled as a lognormal distribution (black). Black vertical lines indicate change points, where growth rates changed.

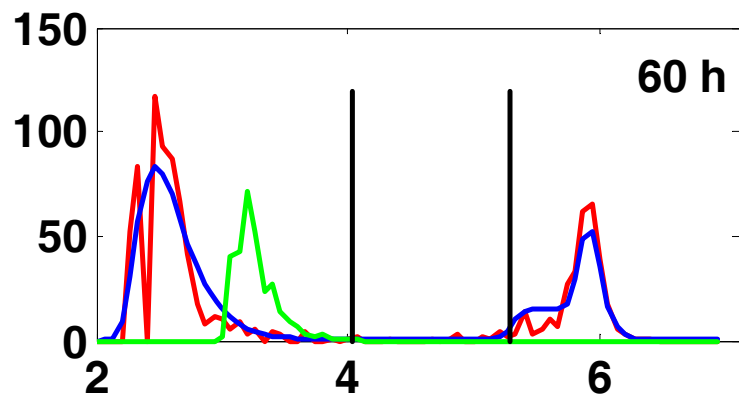
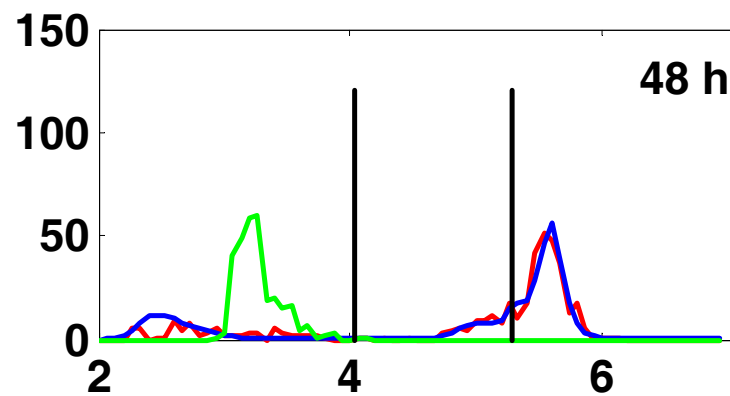
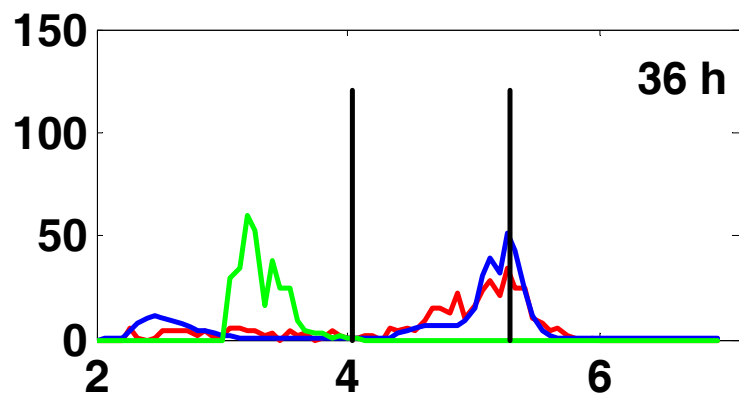
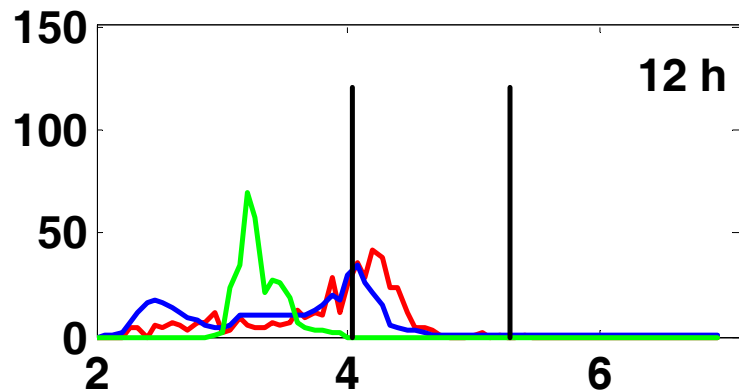
dose level is 0



Suppl Fig 3a

log(TOF) units

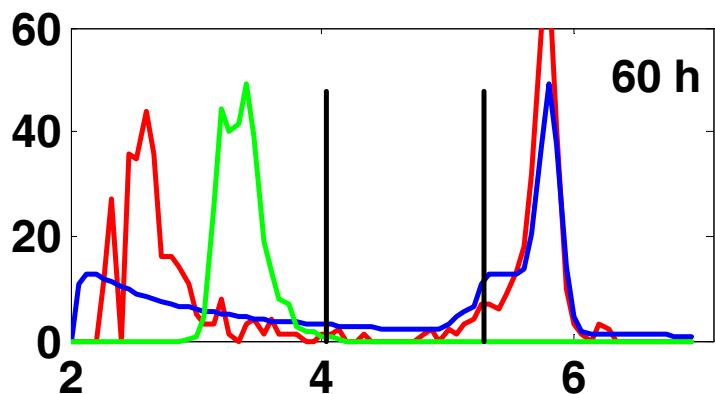
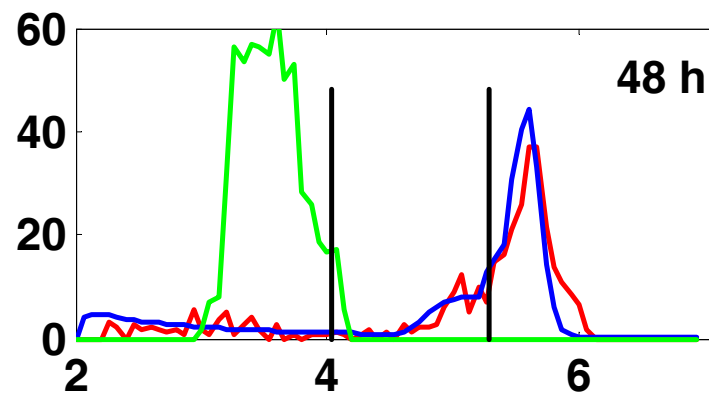
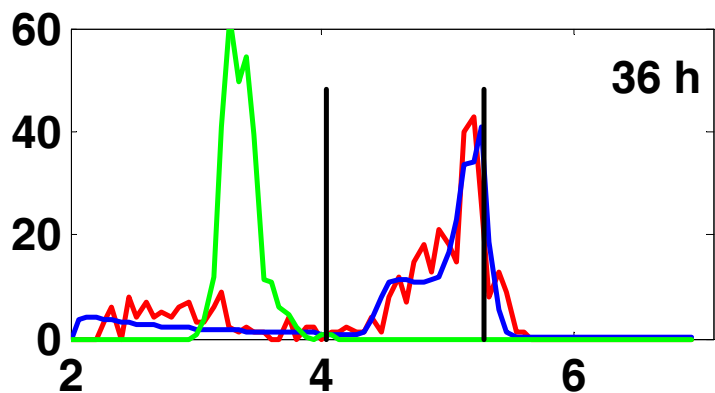
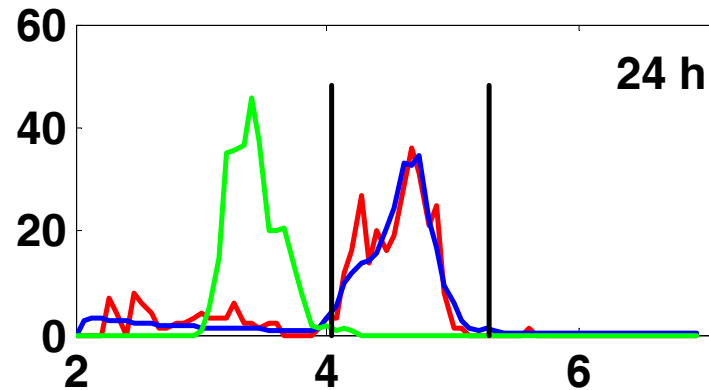
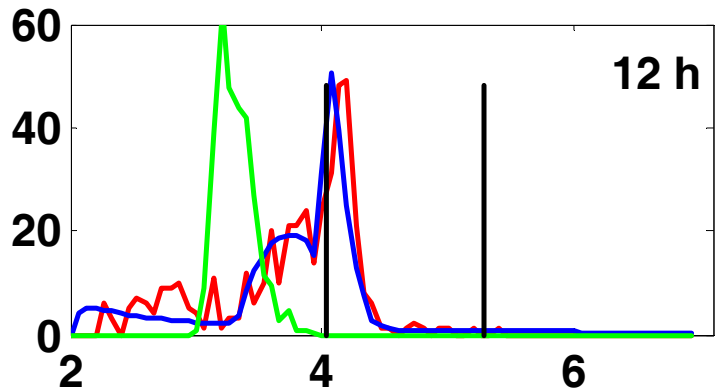
dose level is 0



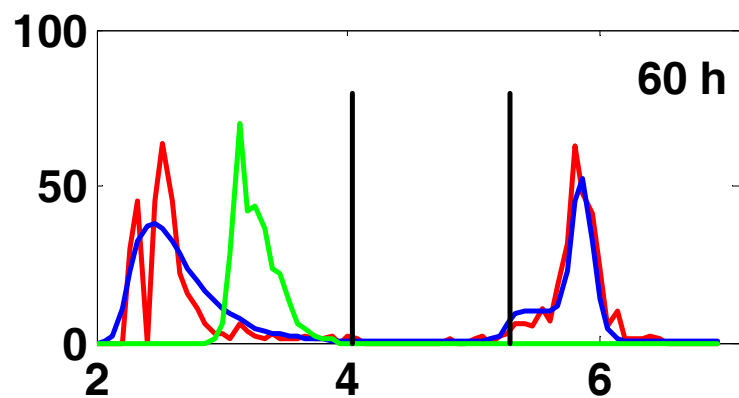
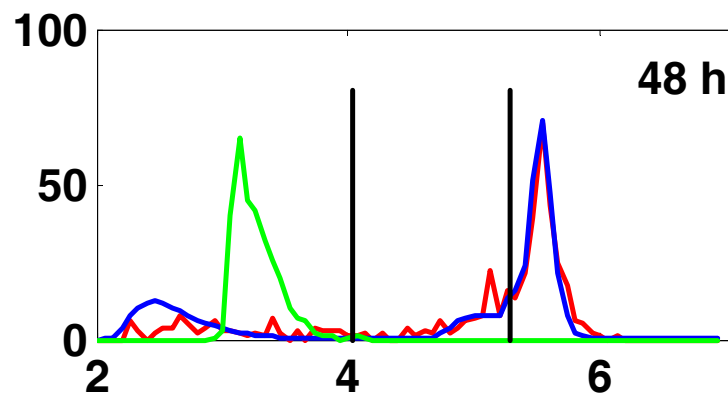
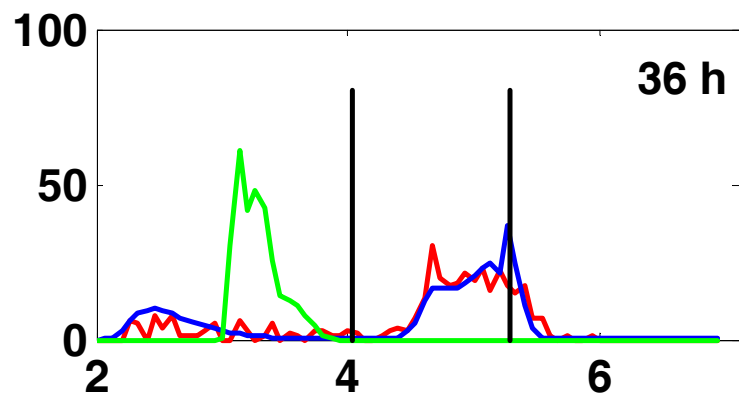
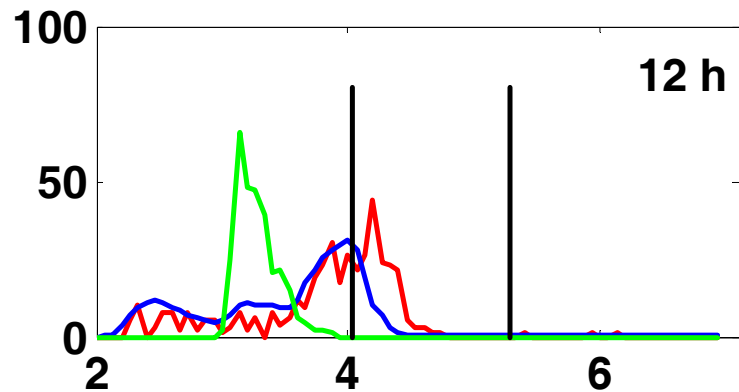
Suppl Fig 3b

log(TOF) units

dose level is 0.5



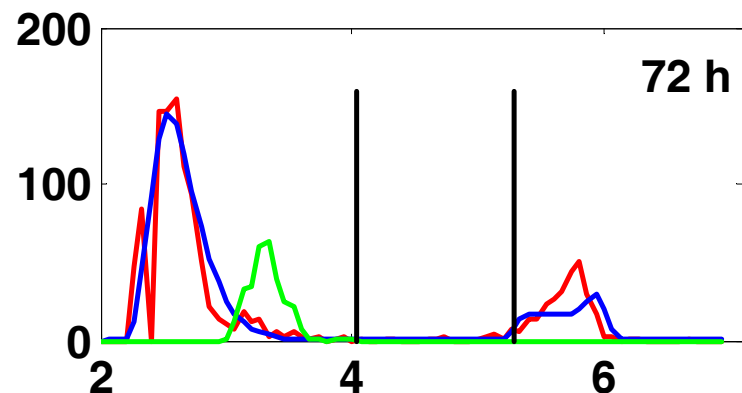
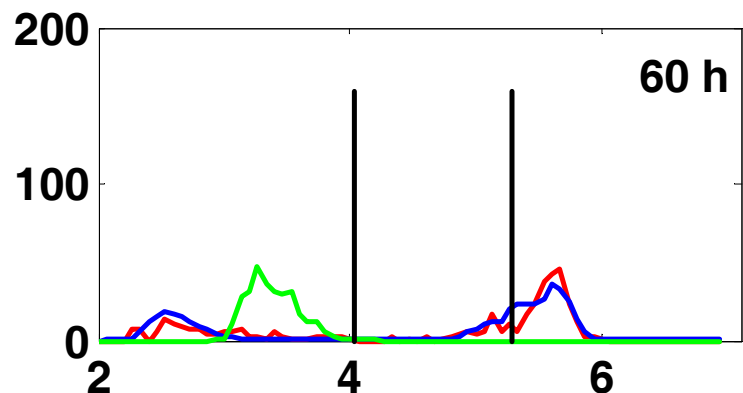
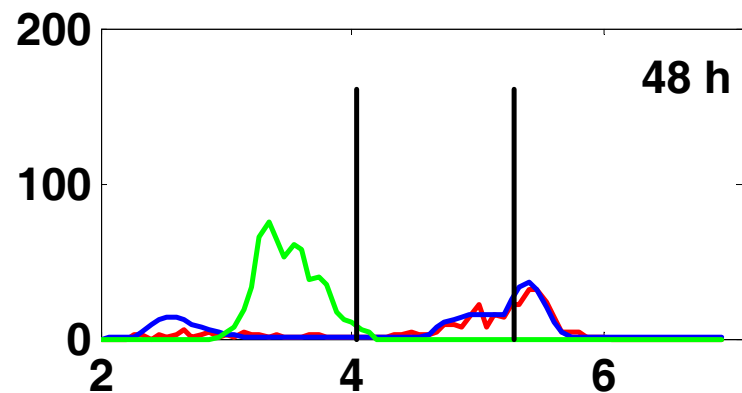
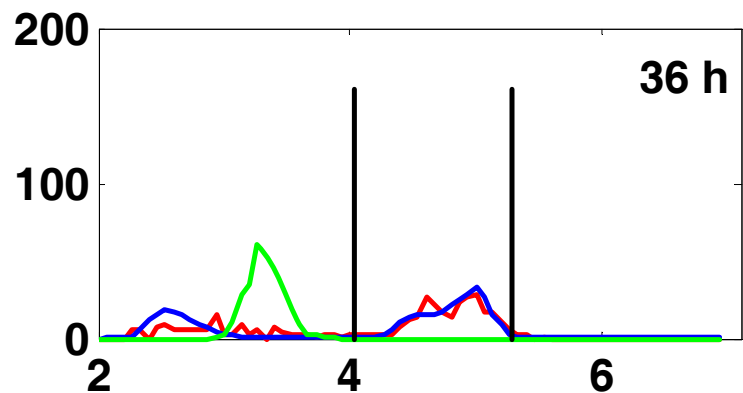
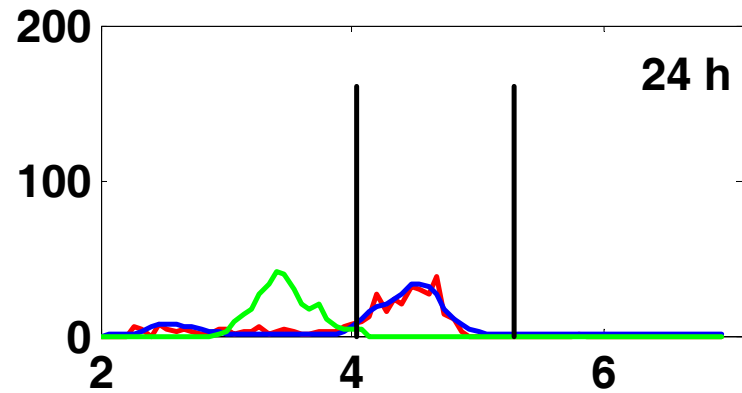
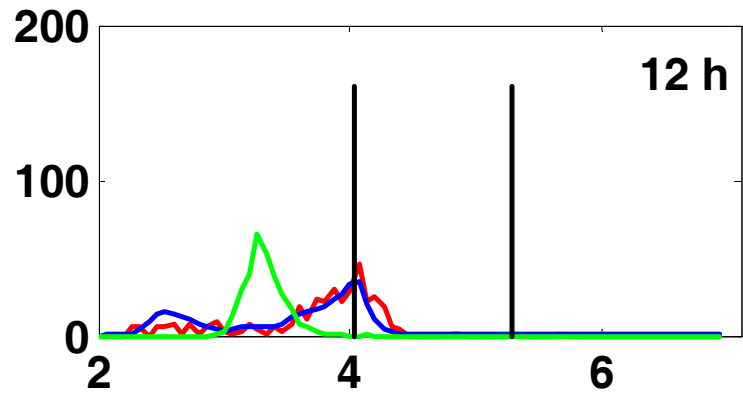
dose level is 0.75



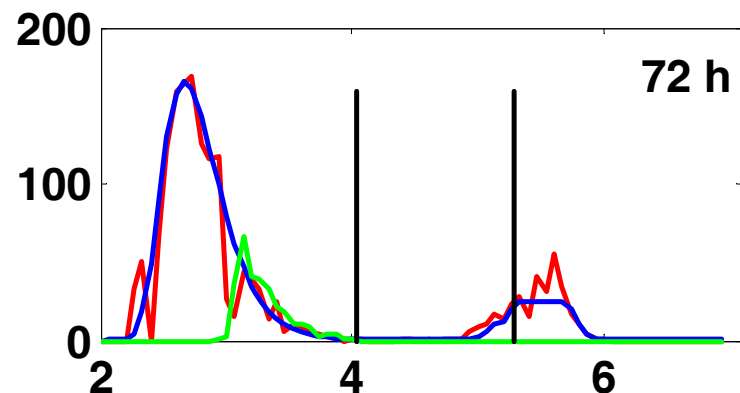
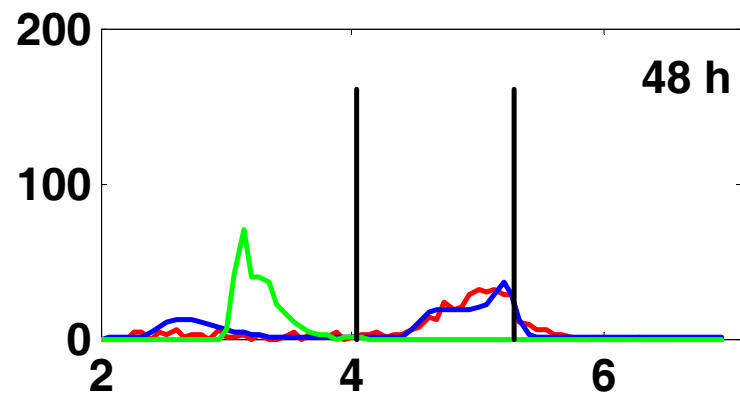
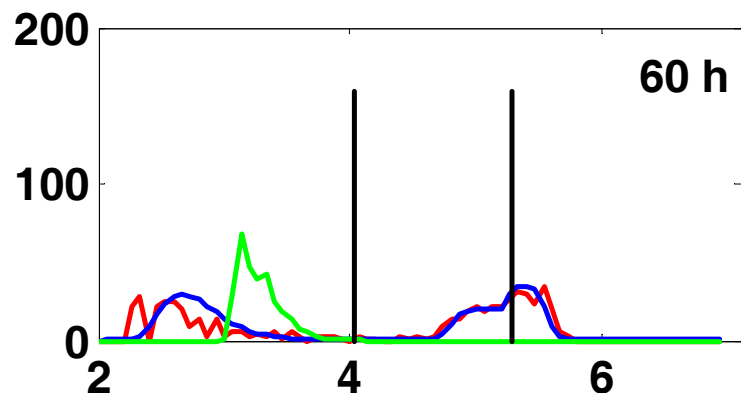
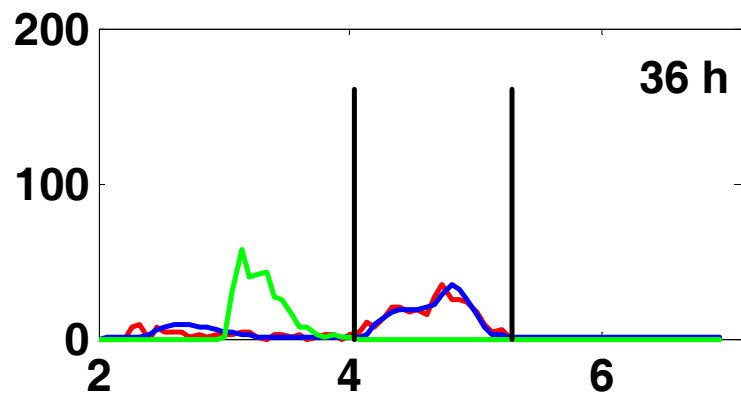
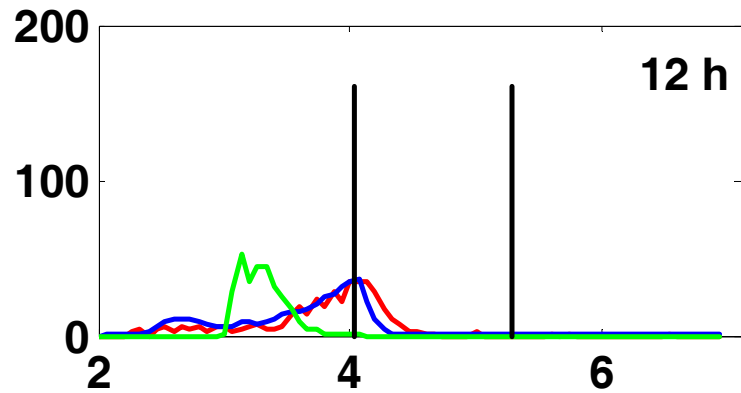
Suppl Fig 3d

log(TOF) units

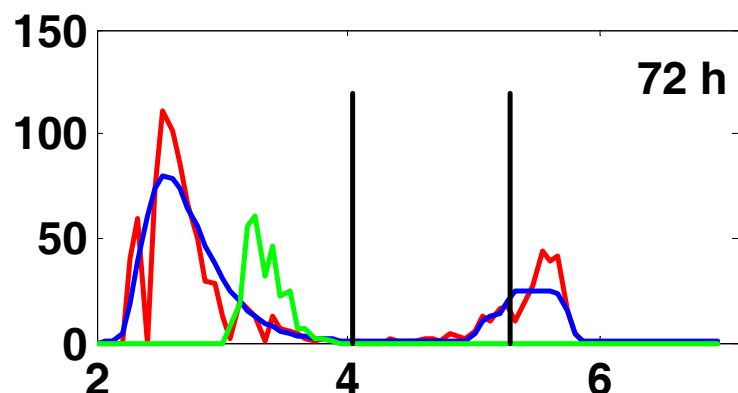
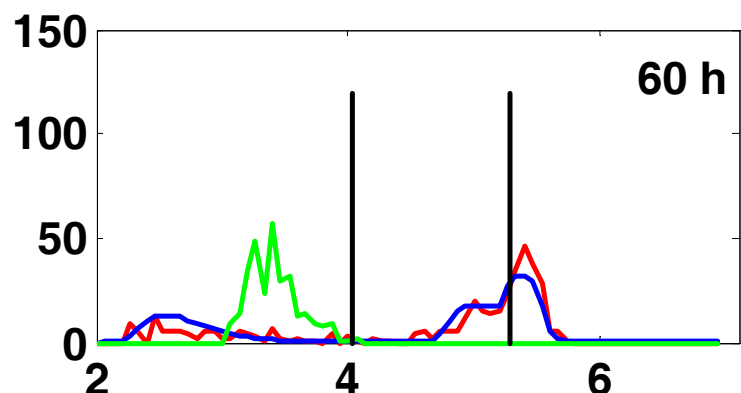
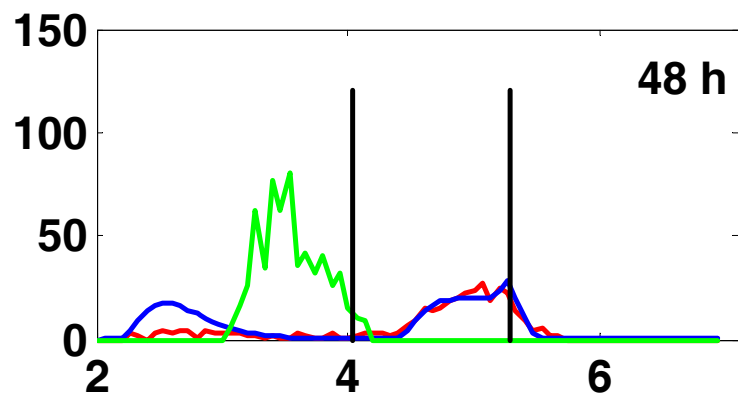
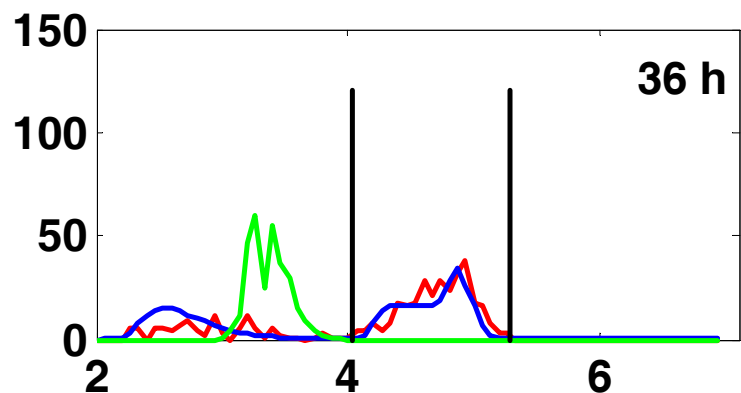
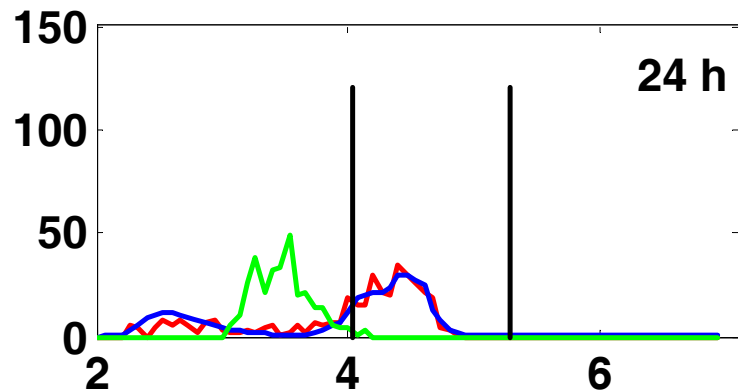
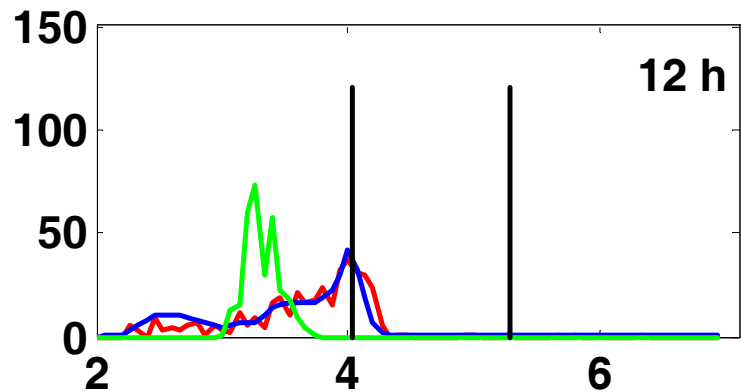
dose level is 5



dose level is 7.5



dose level is 15

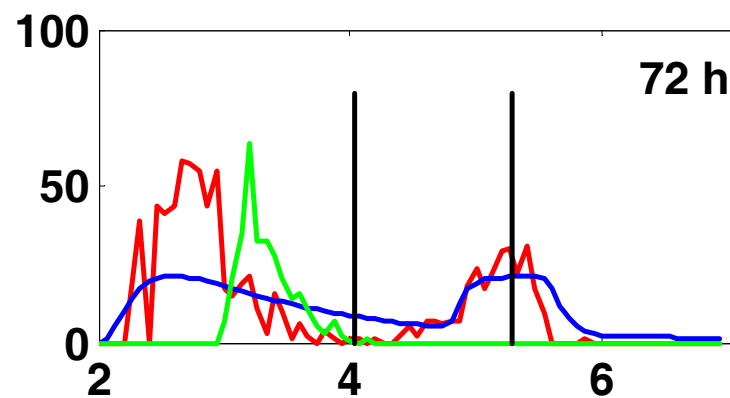
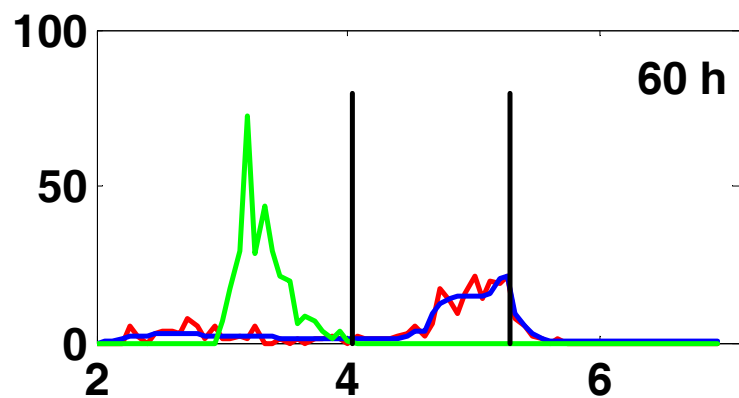
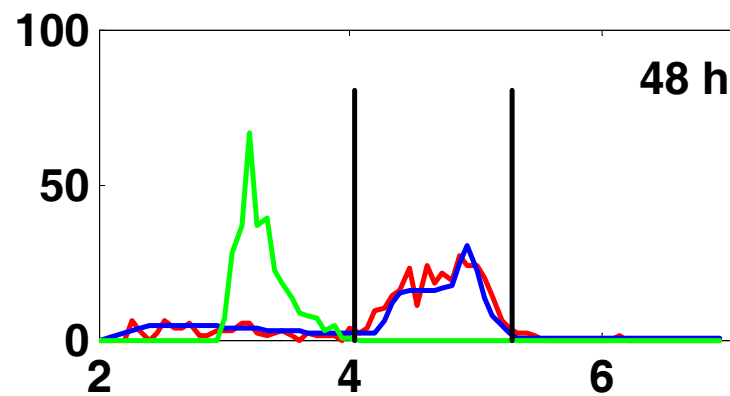
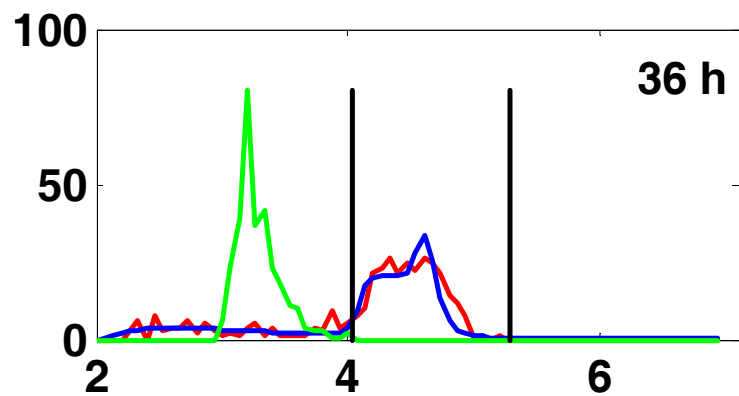
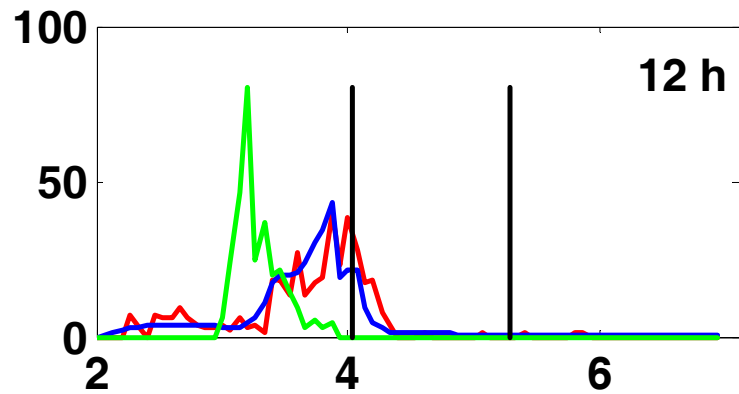


Suppl Fig 3g

log(TOF) units

log(TOF) units

dose level is 22.5



Suppl Fig 3h

log(TOF) units

log(TOF) units

dose level is 45

