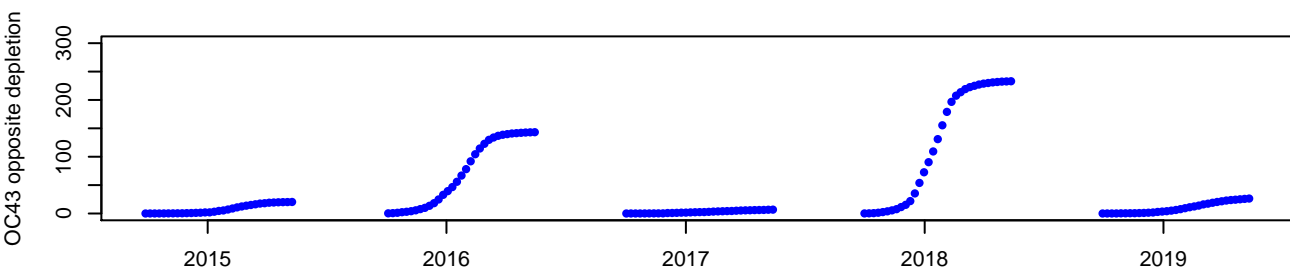
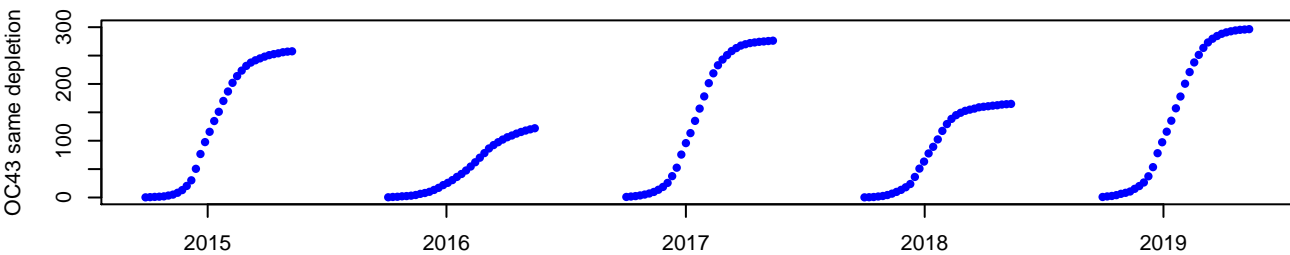
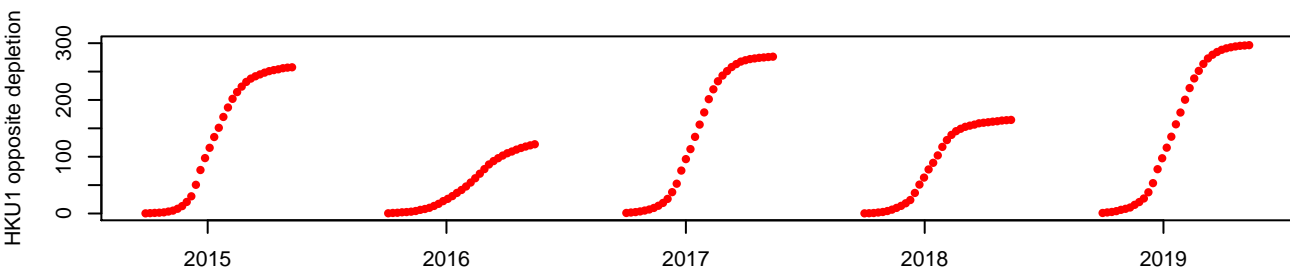
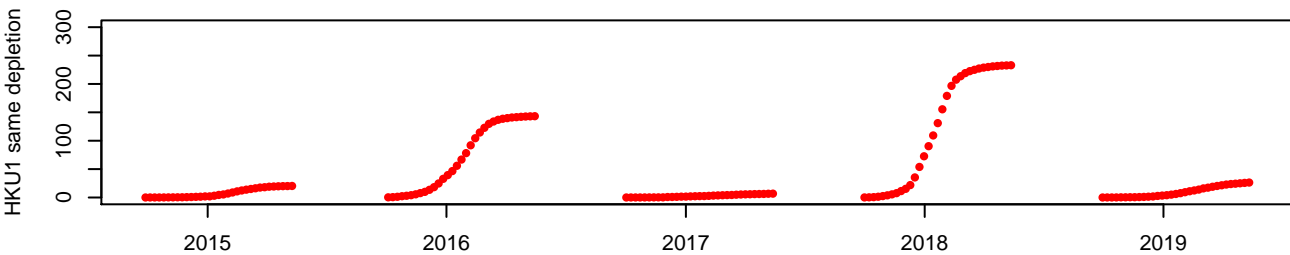
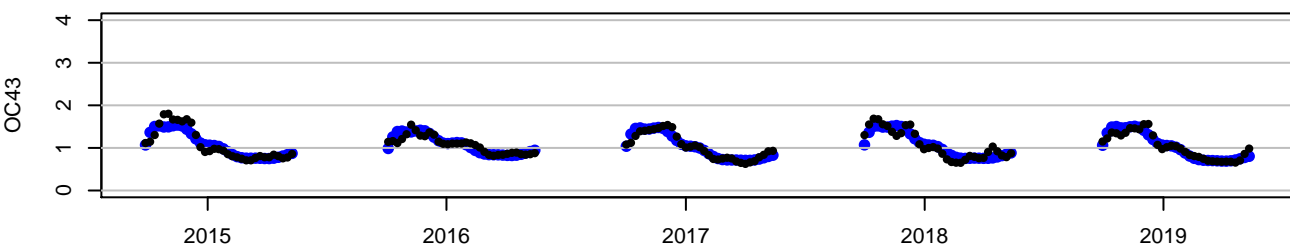
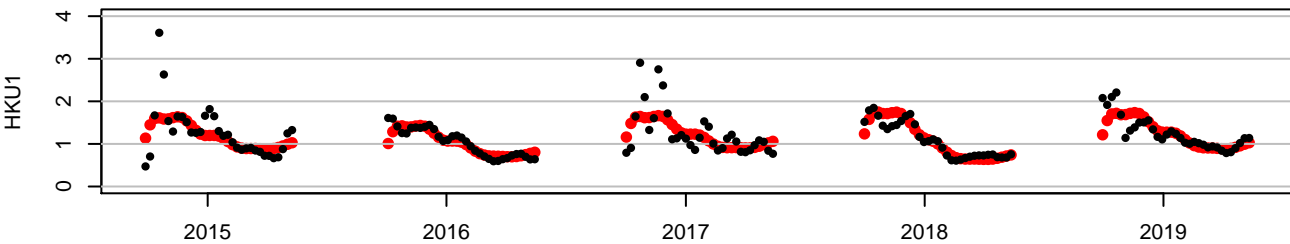


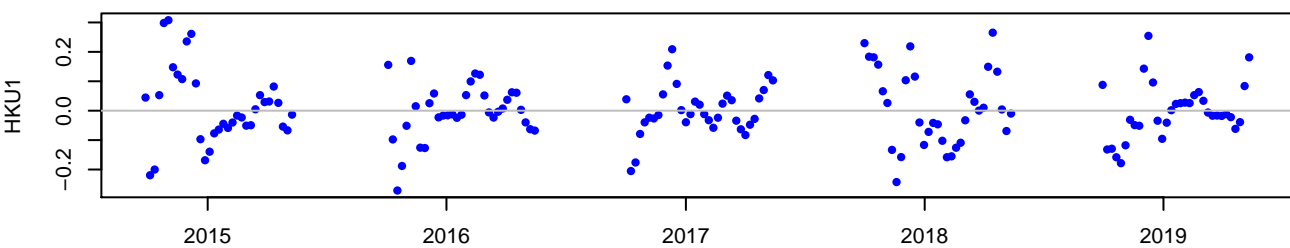
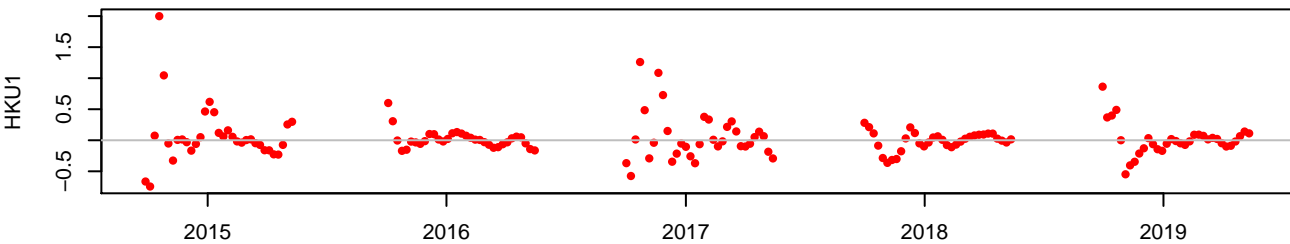
# Depletion of suseptables from same and opposite strain



## Reff and model predictions

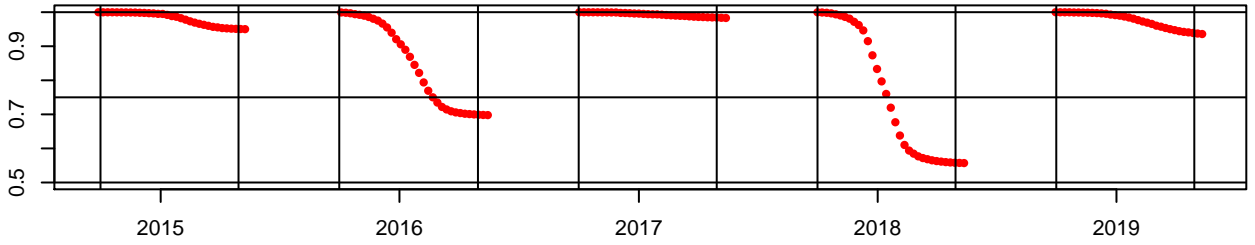


## Residuals

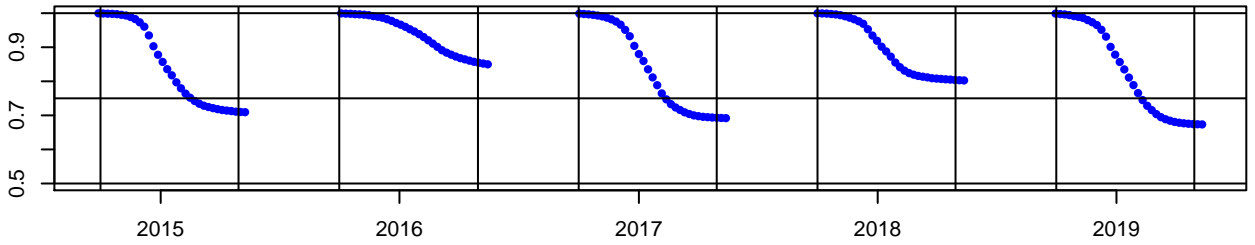


# Effects of depletions

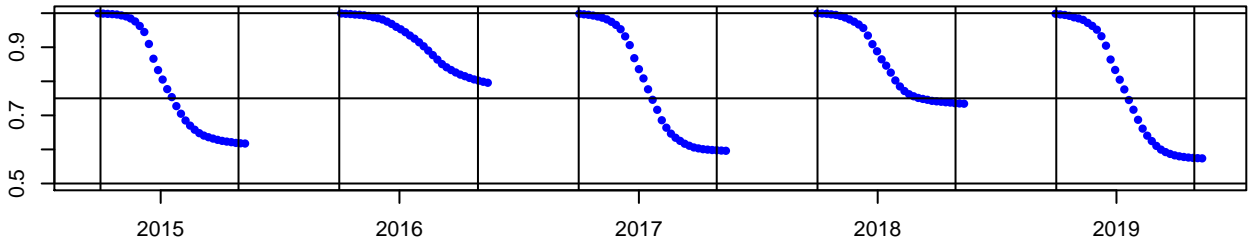
HKU1 same strain



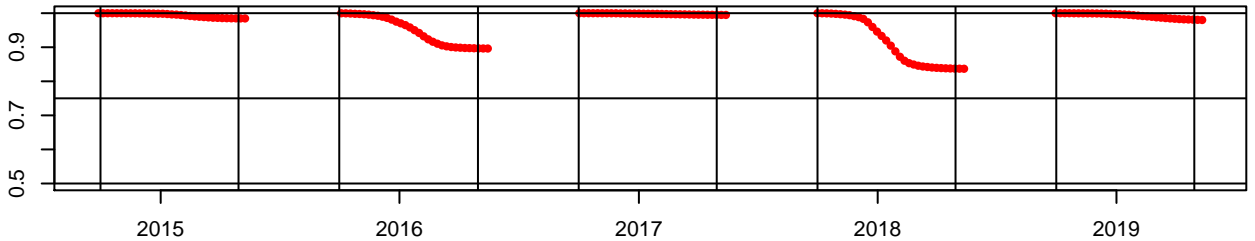
HKU1 opp strain



OC43 same strain



OC43 opp strain



### Seasonality effect (should be same for all years and strains)

