A

Moderators	Akaike Weights	
Behavioural assay	100%	R2 = 0.01
Pesticide chemical class	100%	R2 = 0.1
Sex of fish	94%	R2 = 0.11
Species	93%	R2 = 0.09
Control Solvent	85%	R2 = 0.02
Behaviour measured	27%	R2 = 0.07
Source of fish	9%	R2 = 0.05

B

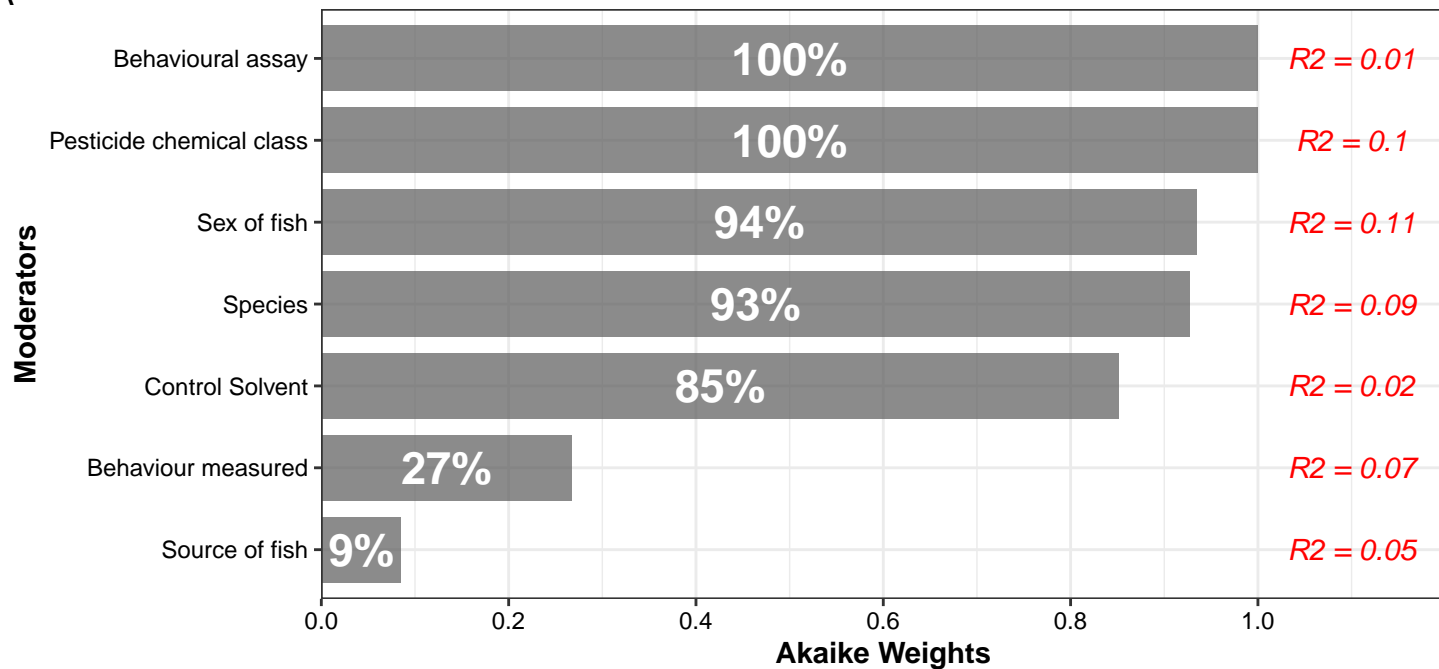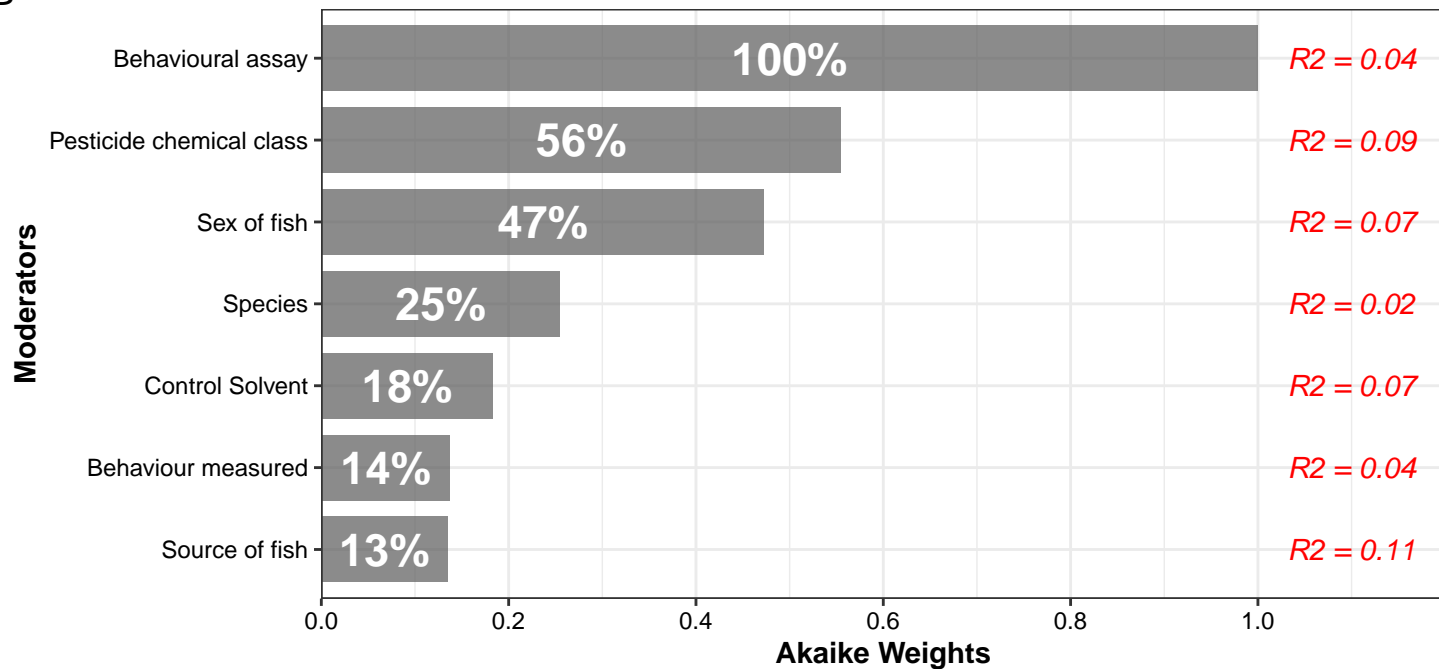| Moderators	Akaike Weights	
Behavioural assay	100%	R2 = 0.04
Pesticide chemical class	56%	R2 = 0.09
Sex of fish	47%	R2 = 0.07
Species	25%	R2 = 0.02
Control Solvent	18%	R2 = 0.07
Behaviour measured	14%	R2 = 0.04
Source of fish	13%	R2 = 0.11

The value in each bar is the relative importance of each moderator based on Akaike weights