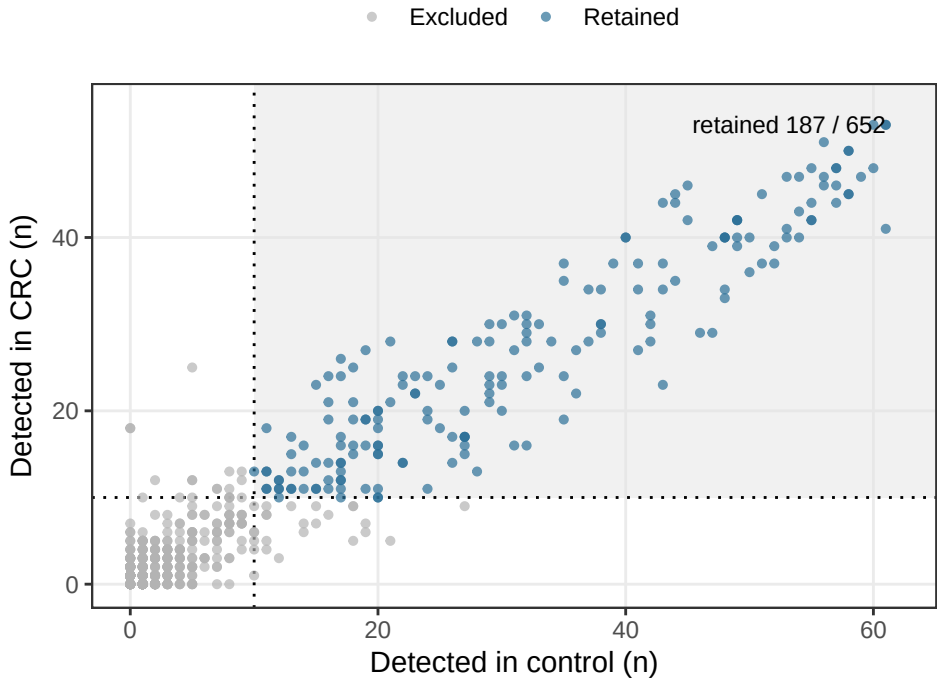
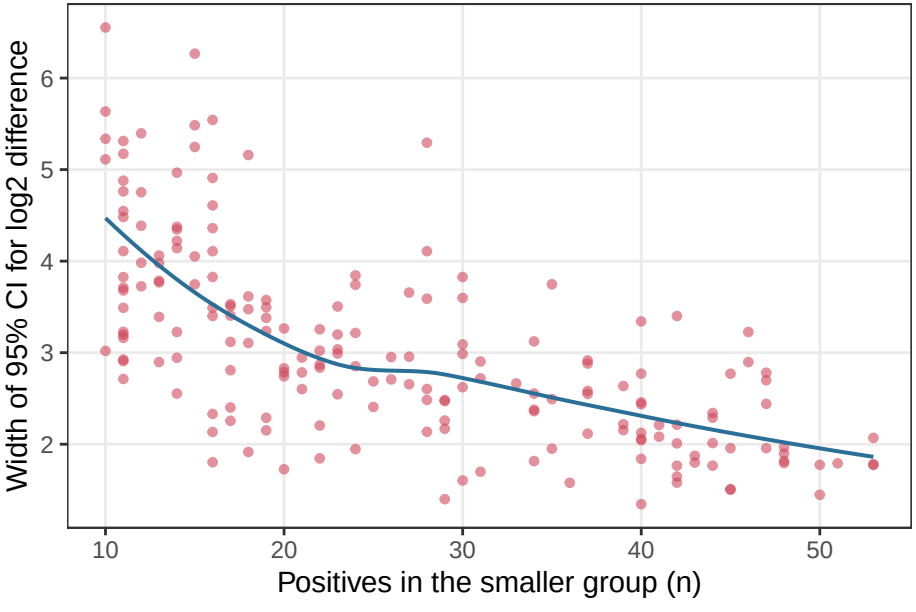
Design diagnostics: what the two−part model can and cannot see

Zero counts mean not detected in this dataset, not true absence; detection p=1 marks non−estimable species

A Prefilter: both groups need >=10 detections



B Precision of the abundance model



C P−value distributions, discovery

