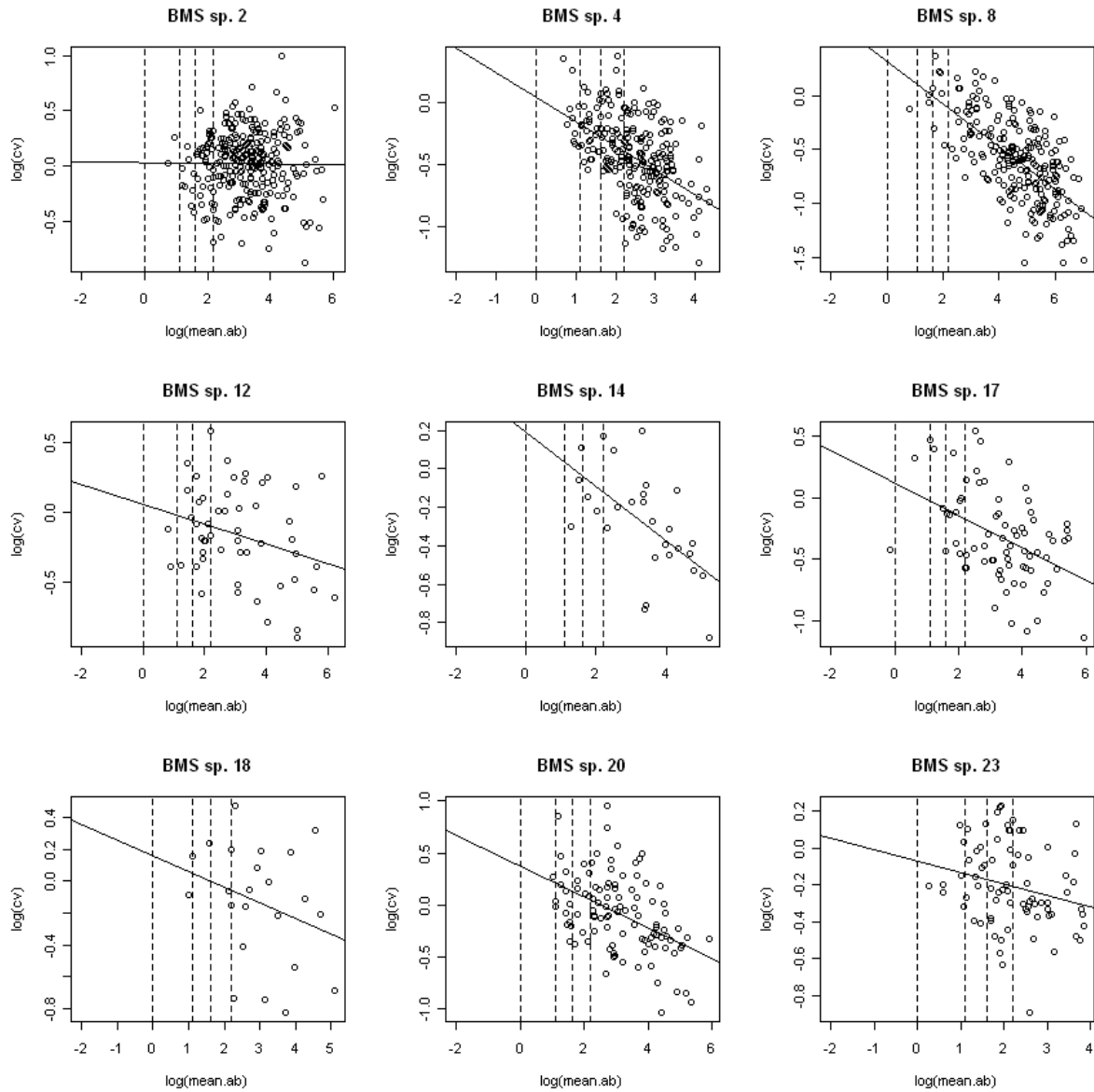
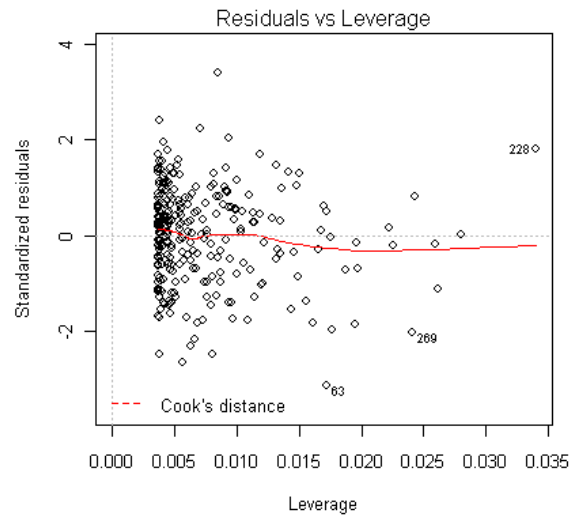
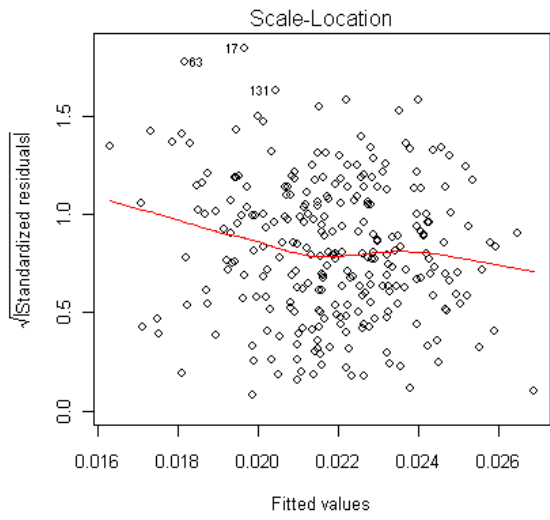
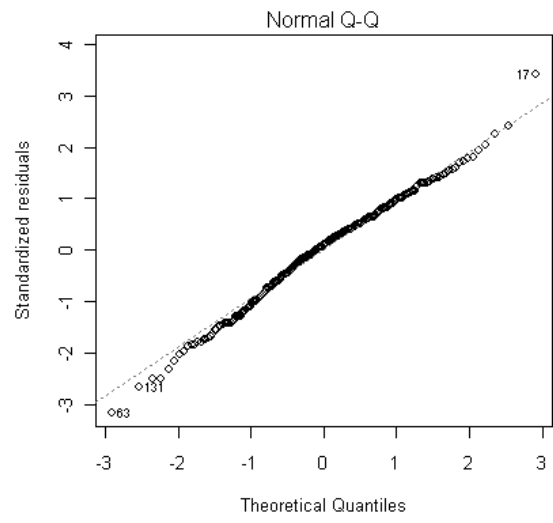
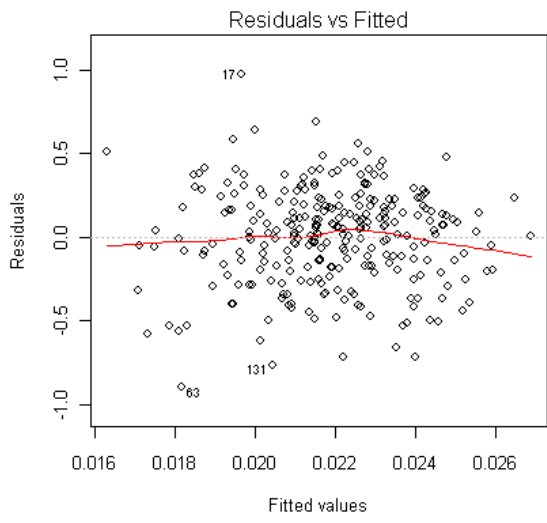
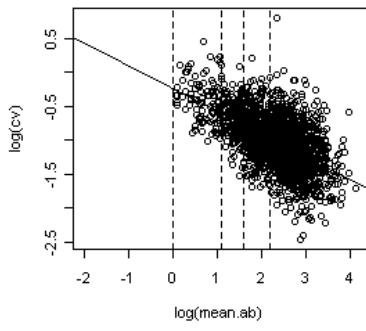


Figure S1: Plots of $\log(\text{cv})$ versus $\log(\text{mean abundance})$ for different randomly-selected bird and butterfly species. Vertical lines are mean abundance of 1,3,5 and 9. For the first species in each set of 9 (BMS,BBS, CBC), model diagnostics are plotted for a linear model. Time-series with low abundance do not appear to seriously contravene the assumptions of a linear relationship.

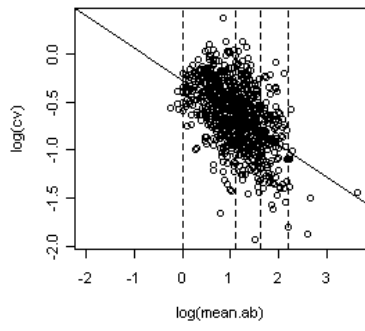




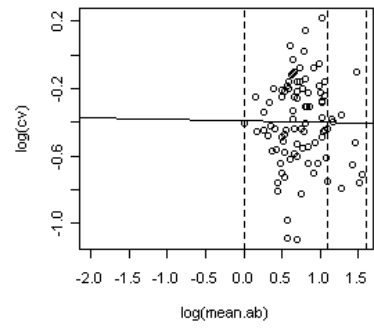
BBS sp. B.



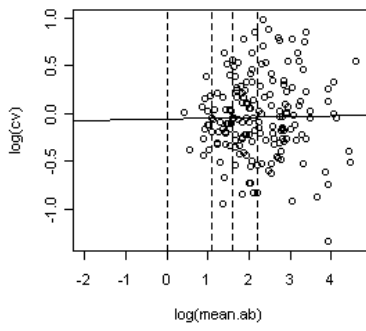
BBS sp. BC



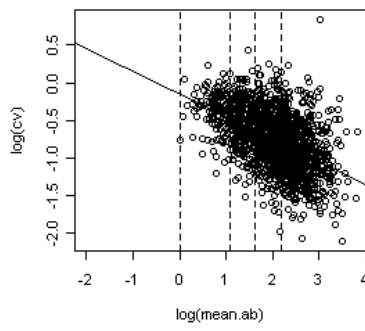
BBS sp. BF



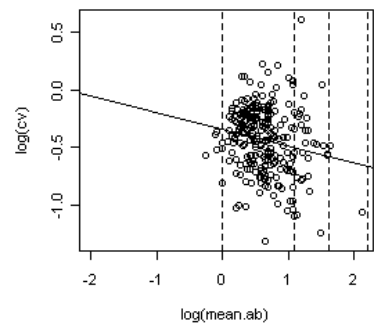
BBS sp. BH



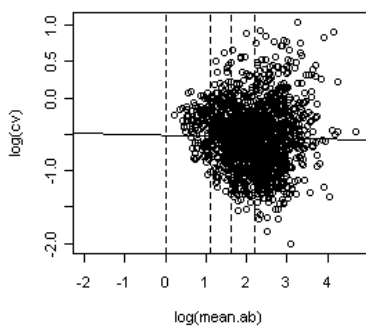
BBS sp. BT



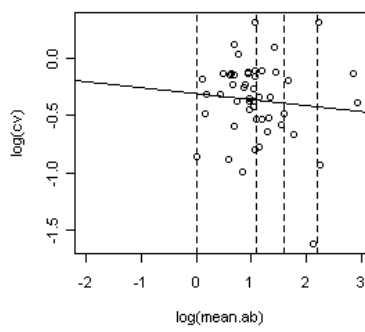
BBS sp. BZ



BBS sp. C.



BBS sp. CA



BBS sp. CB

