

Table S2. The list of all candidate models for the subset regression analysis between ASU and the number of acoustic morphospecies for the three taxonomic groups.

Model Variables	Residual SS	Akaike weight	Delta AICc	Adjust R²
Intercept only	476.4	0.021	7.55	0.00
Insects	92.0	0.925	0.00	0.77
Birds	223.7	0.026	7.10	0.45
Anurans	389.6	0.002	11.54	0.04
Insects + Anurans	82.3	0.013	8.44	0.75
Insects + Birds	90.0	0.009	9.16	0.73
Birds + Anurans	179.0	0.000	14.66	0.47
Insects + Birds + Anurans	82.1	0.000	27.09	0.69