

Appendix 4

Table A4. Principal component analysis results illustrating the contribution of acoustic features in the first four principal components to the context variation of purr calls, sorted in decreasing order according to the total squared cosine (\cos^2) score of the first two principal components (values more than 0.8 in bold).

Acoustic features	Loadings				Cos ²		
	PC1	PC2	PC3	PC4	PC1	PC2	Total
top.freq	-0.3930	0.6012	0.0293	-0.0086	0.4196	0.5795	0.9990
duration	-0.5300	-0.3619	0.0254	0.1602	0.7628	0.2100	0.9728
bw	-0.3803	0.5194	-0.4061	-0.0331	0.3928	0.4326	0.8254
num_notes	-0.4971	-0.3052	0.0276	0.5317	0.6711	0.1494	0.8205
call_rate	0.4069	0.2770	-0.0926	0.8295	0.4496	0.1230	0.5726
bottom.freq	-0.0860	0.2606	0.9079	0.0495	0.0201	0.1089	0.1289
Standard deviation	1.6480	1.2662	1.0271	0.7786			
Proportion of Variance	0.4527	0.2672	0.1758	0.1011			
Cumulative Proportion	0.4527	0.7199	0.8957	0.9968			
Eigenvalue	2.7160	1.6033	1.0550	0.6063			