

Table. S1.—Coefficients of variation for five principal components with Eigenvalues > 1.0 that were derived from the 13 Fourier transform-based variables used to quantify signature display structure in our four study species.

<u>Species</u>	<u>Principal Component</u>				
	<u>PC1</u>	<u>PC2</u>	<u>PC3</u>	<u>PC4</u>	<u>PC5</u>
<i>M. albemarlensis</i>	752.76	67.32	154.91	-2277.24	108.17
<i>M. bivittatus</i>	819.99	-72.57	-130.08	-128.98	-24156.47
<i>M. grayii</i>	-241.63	-676.95	116.77	133.03	-91.19
<i>M. indefatigabilis</i>	2690.99	-174.73	-130.41	-7011.48	627.10
