Appendix 3: Results of Moran I statistic test for testing spatial autocorrelation. P- value greater than 0.05 indicates no spatial autocorrelation

Model	Moran I statistic standard deviate	p-value	Moran I statistic
Body Mass ~ Elevation + (1 | Sex)	-0.78	0.781	-0.031
Tarsus length ~ Elevation + (1 | Sex)	2.71	0.003	0.081
Beak Shape (BL/BH) ~ Elevation + (1 | Sex)	3.73	<0.001	0.113
Wing length ~ Elevation + (1 | Sex)	0.09	0.465	-0.003
Tail length ~ Elevation + (1 | Sex)	0.44	0.331	0.008
PDL (Dorsal) ~ Elevation + (1 | Sex)	6.17	<0.001	0.13