Results from the SURFACE method. **A:** 9 convergent (coloured) and 8 non-convergent (greyscale regimes are painted on the phylogenetic tree of 176 marsupials. **B:** Traitplot depicting trait optima (θ) with large circles - coloured for convergent and grayscale for non-convergent regimes, and small dots depicting actual species values. **C:** Plot of the θ values for body size and residuals for each trait. **D:** Summary

	σ²	α	phylogenetic half–life
Body	0.023	3.86	0.179
Residuals	0.007	4.52	0.153

9 convergent regimes
8 non-convergent regimes
AIC of the final model = –1106.293
N = 176