



.. Morphological variation

... mtDNA analysis

.. Whole mtDNA selection

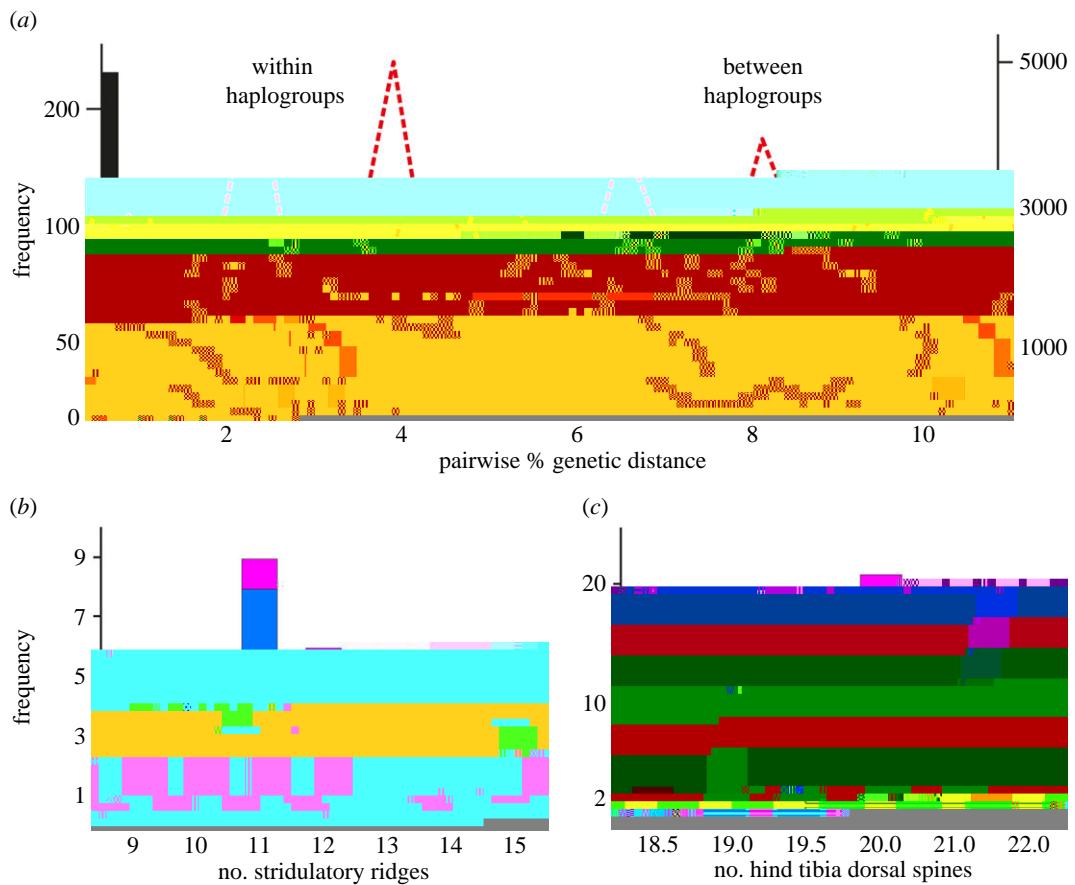


Figure . The non-recombining mtDNA has a bimodal frequency distribution of pairwise differences generated by the coalescent process in a large population, for whole *H. crassidens* species dataset (dotted red line), and Rangiwahia population sample (black bar) (a).

Table . Genetic diversity within a single population sample of the tree wētā *H. crassidens* for five nuclear markers. (Sample is divided using the two distinct mtDNA haplogroups observed. The number of alleles per locus is indicated along with (number) of alleles restricted to each mtDNA haplogroup. *n* = sample size.)

MtDNA haplogroup	nuclear loci					
	<i>n</i>	<i>S ag</i>	<i>HR</i>	<i>HR</i>	<i>HR</i>	<i>HM</i>
haplogroup				()	()	()
haplogroup						()

Table . Assignment of wētā individuals to clusters based on mtDNA haplogroup is not concordant with cluster assignment based on Bayesian modelling using principal components of phenotypic and genotypic variation. (Alternative assignments indicated by italics.)

wētā ID	sex	age	mtDNA haplogroup	assigned cluster	
				PC and	PC –
Hc-Ran-	female	juvenile			
Hc-Ran-	female	adult			
Hc-Ran-	male	adult			
Hc-Ran-	female	adult			
Hc-Ran-	female	adult			
Hc-Ran-	male	juvenile			
Hc-Ran-	female	juvenile			
Hc-Ran-	female	juvenile			
Hc-Ran-	female	adult			
Hc-Ran-	female	adult			
Hc-Ran-	female	adult			
Hc-Ran-	male	juvenile			
Hc-Ran-	male	juvenile			
Hc-Ran-	male	juvenile			
Hc-Ran-	male	juvenile			
Hc-Ran-	female	juvenile			
Hc-Ran-	female	juvenile			
Hc-Ran-	male	juvenile			
Hc-Ran-	female	juvenile			
Hc-Ran-	female	juvenile			
Hc-Ran-	male	juvenile			
Hc-Ran-	male	juvenile			
Hc-Ran-	male	juvenile			

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