

	10	20	30	40	50	60	70	80
H1_JQ310712_L. l. lepida	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T T	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H2_JQ310713_L. l. lepida	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H3_JQ310714_L. l. lepida	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T T	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H4_JQ310715_L. l. lepida	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T T	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H5_JQ310716_L. l. lepida	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T T	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H8_JQ310719_L. l. lepida	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H8_JQ310719_L. l. iberica	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H6_JQ310717_L. l. nevadensis	T T T G A A G G A G T G G G A G A A G G G G G A	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H7_JQ310718_L. l. nevadensis	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H8_JQ310719_L. l. nevadensis	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H9_JQ310720_L. l. nevadensis	T T T G A A G G A G T G G G A G A A G G G G G G	G A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H2_JQ310725_L. tangitana	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H8_JQ310722_L. tangitana	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H10_JQ310721_L. tangitana	T T T G A A G G A G T G G G A G A A G G A G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H12_JQ310723_L. tangitana	T T T G A A G G A G T G G G A G A A G G G G G G	G A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H13_JQ310724_L. tangitana	T T T G A A G G A G T G G G A G A A G G A G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H15_JQ310726_L. pater	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T G C A G A T A A G C C C T A A T G C A G T G G T T					
H16_JQ310727_L. pater	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T G C A G A T A A G C C C T A A T G C A G T G G T T					
H17_JQ310728_L. pater	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T G C A G A T A A G C C C T A A T G C A G T G G T T					
H18_JQ310729_L. pater	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T G C A G A T A A G C C C T A A T G C A G T G G T T					
H19_JQ310730_L. schreiberi	T T T G A A G G A G T G G G A G A A G G G G G G	G A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T A A G C C C T A A T G C A G T G G T T					
H20_JQ310731_I. monticola	T T T G A A G G A G T G G G A G A A G G G - - -	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T G C A G A T A A G C C C T A A T G C A G T G G T T					
H21_JQ310732_L. agilis	T T T G A A G G A G T G G G A G A A G G G G G G	- A C A T G A T T G A G G G A A C T T C	C A G A T T T A C A T A C A G A T G A G C C C T A A T G C A G T G G T T					

**Figure S4** Sequence alignment from haplotypes (H1-H21) detected in locus *mk245* in each lizard species or subspecies. The accession number corresponding to each haplotype is indicated. Conserved bases are presented in grey while variable sites are highlighted with colored font. Dashes denote gaps. A microsatellite composed by six to ten GTT units is present at positions 168-197.

