

Table S3. The A+T composition of the complete mitogenomes, PCGs, rRNAs, tRNAs and CR, and composition skew values in Lacertidae.

Species	Total		PCGs		rRNAs		tRNAs		CR
	A+T (%)	AT- skew	GC- skew	Number of amino acid	A+T (%)	A+T (%)	A+T (%)	A+T (%)	A+T (%)
<i>Acanthodactylus aureus</i>	59.65	0.010	-0.319	11371	59.15	57.79	60.05	68.2	
<i>Ac. boskianus</i>	57.95	0.041	-0.352	11369	57.32	55.69	58.99	68.3	
<i>Ac. erythrurus</i>	60.90	0.007	-0.313	11373	61.04	58.34	60.21	66.6	
<i>Ac. guineensis</i>	60.81	0.025	-0.319	11323	60.79	60.24	60.84	65.9	
<i>Ac. schmidtii</i>	56.88	0.056	-0.343	11340	55.79	55.87	59.18	66.5	
<i>Australolacerta australis</i>	67.85	0.024	-0.335	11367	62.37	59.44	61.76	67.8	
<i>Algyroides nigropunctatus</i>	59.78	0.048	-0.341	11355	59.50	58.57	60.18	76.7	
<i>Darevskia armeniaca</i>	60.40	0.056	-0.359	11352	60.30	58.64	59.64	66.6	
<i>D. braueri</i>	60.14	0.058	-0.344	11371	59.80	58.46	58.45	67.4	
<i>D. caucasica</i>	59.53	0.057	-0.348	11370	60.05	58.55	58.50	57.6	
<i>D. chlorogaster</i>	59.14	0.058	-0.338	11370	58.87	58.06	57.47	63.6	
<i>D. clarkorum</i>	60.24	0.066	-0.352	11370	60.49	58.70	58.60	64.7	
<i>D. daghestanica</i>	60.14	0.063	-0.356	11370	59.97	58.12	58.80	66.5	
<i>D. dahli</i>	60.46	0.058	-0.359	11352	60.30	58.68	59.61	65.6	
<i>D. derjugini</i>	60.17	0.053	-0.339	11370	59.93	58.54	58.57	66.4	
<i>D. mixta</i>	60.43	0.058	-0.359	11352	60.26	58.60	59.55	66.5	
<i>D. parvula</i>	59.41	0.077	-0.368	11355	59.21	57.75	58.72	67.1	
<i>D. portschinskii</i>	59.58	0.075	-0.373	11367	59.33	58.28	59.57	65.7	
<i>D. praticola</i>	58.29	0.067	-0.334	11376	57.87	57.60	57.90	66.1	
<i>D. raddei</i>	60.46	0.087	-0.419	11370	59.54	58.52	58.77	64.4	
<i>D. rudis</i>	59.83	0.077	-0.372	11370	59.45	57.77	59.48	67.2	
<i>D. saxicola</i>	60.19	0.066	-0.352	11355	59.83	58.51	59.01	67.5	
<i>D. unisexualis</i>	60.24	0.094	-0.435	11357	59.44	58.25	59.91	66.1	
<i>D. valentini</i>	59.82	0.072	-0.367	11370	59.45	58.12	59.33	67.4	
<i>Eremias argus</i>	58.38	0.025	-0.328	11387	57.35	55.84	58.23	64.4	
<i>E. brenchleyi</i>	58.43	0.031	-0.326	11369	56.84	55.90	59.46	64.3	
<i>E. dzungarica</i>	60.04	0.054	-0.341	11375	57.35	56.60	59.05	69.3	
<i>E. multiocellata</i>	59.46	0.048	-0.339	11375	57.45	56.94	59.34	66.6	
<i>E. nikolskii</i>	58.54	0.043	-0.351	11374	56.08	55.45	58.27	65.3	
<i>E. przewalskii</i>	58.19	0.042	-0.334	11375	57.27	56.58	60.16	62.9	
<i>E. scripta</i> KZL15	61.33	0.046	-0.324	11375	58.65	55.76	59.71	71.5	
<i>E. scripta</i> KZL44	61.16	0.046	-0.325	11374	58.71	56.76	59.74	71.5	
<i>E. stummeri</i>	59.62	0.049	-0.347	11374	57.55	56.15	59.27	67.7	
<i>E. szczyrbaki</i>	59.47	0.053	-0.347	11375	57.00	57.07	58.86	67.8	
<i>E. vermiculata</i>	59.82	0.034	-0.355	11375	58.29	56.50	58.52	66.0	
<i>E. yarkandensis</i>	59.46	0.046	-0.343	11375	57.55	57.26	58.96	68.0	
<i>Gallotia atlantica</i>	57.61	0.135	-0.356	11379	57.89	57.31	56.69		
<i>Lacerta agilis</i>	60.31	0.038	-0.330	11368	59.98	58.70	59.38	65.9	
<i>L. bilineata</i>	59.54	0.050	-0.349	11369	59.06	58.46	58.42	70.2	
<i>L. viridis viridis</i>	59.95	0.048	-0.341	11355	59.44	57.82	58.82	66.1	
<i>Meroles squamulosus</i>	59.35	0.047	-0.356	11366	59.23	57.54	60.40	64.6	
<i>Mesalina olivieri</i>	60.04	0.040	-0.336	11376	59.92	58.06	60.04	66.0	
<i>Pedioplanis laticeps</i>	59.78	0.052	-0.344	11369	59.75	57.73	60.11	64.3	
<i>Phoenicolacerta kulzeri</i>	60.47	0.035	-0.325	11366	60.36	59.09	60.44	63.5	
<i>Podarcis muralis</i>	61.45	0.033	-0.333	11367	62.18	59.17	59.23	61.6	
<i>Po. siculus</i>	60.80	0.040	-0.348	11370	60.94	59.59	59.79	62.7	
<i>Psammmodromus algirus</i>	60.70	0.118	-0.345	11375	60.71	59.31	59.79	68.3	
<i>Takydromus amurensis</i>	60.03	0.040	-0.304	11375	59.62	58.24	59.87	65.5	
<i>T. kuehnei</i>	61.34	0.005	-0.284	11369	61.18	59.06	61.24	66.0	
<i>T. septentrionalis</i>	61.87	0.021	-0.307	11372	61.69	60.11	60.95	65.0	
<i>T. sexlineatus</i>	62.28	0.011	-0.308	11365	62.85	60.43	62.07	57.9	
<i>T. sylvaticus</i>	60.26	0.032	-0.310	11370	60.17	58.94	59.81	62.5	
<i>T. tachydromoides</i>	60.34	0.023	-0.296	11374	59.29	59.47	59.75	66.5	
<i>T. wolteri</i>	61.99	0.010	-0.290	11372	62.22	59.70	61.10	64.0	
<i>Zootoca vivipara</i>	63.24	0.040	-0.320	11375	63.62	60.50	60.66	68.1	