

Table S6. Number of samples and geographic localities used in the DNA barcoding study of New Zealand skinks (genus *Oligosoma*) (see Table S2 for additional details). The level (mean \pm standard error [SE], and range) of intraspecific K2P genetic distances in each New Zealand skink species. The taxonomy follows the current New Zealand Threat Classification listing (Hitchmough et al. 2010).

Species	No. samples	No. geographic localities	Intraspecific genetic distance	
			Mean \pm SE	Range
<i>Oligosoma acrinasum</i>	2	2	0.57 \pm 0.26	0.6
<i>Oligosoma aeneum</i>	10	8	2.29 \pm 0.36	0 – 5.0
<i>Oligosoma alani</i>	6	4	1.83 \pm 0.31	0 – 4.3
<i>Oligosoma chloronoton</i>	5	5	6.88 \pm 0.74	1.6 – 10.7
<i>Oligosoma</i> aff. <i>choronoton</i> ‘West Otago’	3	3	1.82 \pm 0.04	1.0 – 2.5
<i>Oligosoma fallai</i>	2	1	0	0
<i>Oligosoma grande</i>	1	1	—	—
<i>Oligosoma hardyi</i>	2	1	0.28 \pm 0.19	0.3
<i>Oligosoma homalonotum</i>	2	2	0	0
<i>Oligosoma inconspicuum</i>	19	6	2.65 \pm 0.35	0 – 5.3
<i>Oligosoma infrapunctatum</i>	23	13	2.01 \pm 0.27	0 – 5.9
<i>Oligosoma</i> aff. <i>infrapunctatum</i> ‘Chesterfield’	5	2	0.69 \pm 0.21	0 – 1.7
<i>Oligosoma</i> aff. <i>infrapunctatum</i> ‘Southern North Island’	7	3	0.99 \pm 0.02	0 – 2.9

<i>Oligosoma levidensum</i>	1	1	—	—
<i>Oligosoma lineocellatum</i>	7	6	4.44 ± 0.58	0 – 6.3
<i>Oligosoma</i> aff. <i>lineocellatum</i> ‘South Marlborough’	1	1	—	—
<i>Oligosoma</i> aff. <i>lineocellatum</i> ‘Mackenzie Basin’	4	1	0.07 ± 0.07	0 – 0.1
<i>Oligosoma</i> aff. <i>lineocellatum</i> ‘Central Canterbury’	2	2	1.14 ± 0.38	1.1
<i>Oligosoma longipes</i>	2	1	0	0
<i>Oligosoma</i> aff. <i>longipes</i> ‘Southern’	4	2	1.64 ± 0.39	0 – 2.5
<i>Oligosoma</i> aff. <i>longipes</i> ‘Rangitata’	2	1	0	0
<i>Oligosoma maccanni</i>	27	23	4.54 ± 0.47	0 – 7.1
<i>Oligosoma macgregori</i>	2	1	1.00 ± 0.36	1.0
<i>Oligosoma microlepis</i>	2	2	0.28 ± 0.02	0.3
<i>Oligosoma moco</i>	7	7	1.93 ± 0.03	0.1 – 4.7
<i>Oligosoma nigriplantare</i>	2	1	0.28 ± 0.18	0.3
<i>Oligosoma notosaurus</i>	2	2	1.29 ± 0.04	1.3
<i>Oligosoma oliveri</i>	11	4	1.01 ± 0.22	0 – 2.2
<i>Oligosoma ornatum</i>	6	6	3.36 ± 0.46	1.4 – 4.8
<i>Oligosoma</i> aff. <i>ornatum</i> ‘Poor Knights Islands’	1	1	—	—
<i>Oligosoma otagense</i>	4	2	3.93 ± 0.66	0 – 6.0
<i>Oligosoma pikitanga</i>	1	1	—	—
<i>Oligosoma polychroma</i>	24	19	2.63 ± 0.36	0 – 5.5
<i>Oligosoma</i> aff. <i>polychroma</i> ‘Clade 3’	1	1	—	—
<i>Oligosoma</i> aff. <i>polychroma</i> ‘Clade 4’	4	4	5.06 ± 0.61	3.7 – 5.8

<i>Oligosoma</i> aff. <i>polychroma</i> ‘Clade 5’	22	17	2.19 ± 0.32	0 – 4.6
<i>Oligosoma smithi</i>	17	17	1.62 ± 0.25	0 – 4.1
<i>Oligosoma</i> aff. <i>smithi</i> ‘Three Kings, Te Pahi, Western Northland’	2	2	3.8 ± 0.75	3.8
<i>Oligosoma stenotis</i>	2	2	2.16 ± 0.54	2.2
<i>Oligosoma striatum</i>	2	2	0.42 ± 0.24	0.4
<i>Oligosoma suteri</i>	15	13	0.12 ± 0.07	0 – 0.4
<i>Oligosoma taumakae</i>	2	1	0	0
<i>Oligosoma tekakahu</i>	1	1	—	—
<i>Oligosoma townsi</i>	12	6	2.75 ± 0.42	0 – 5.0
<i>Oligosoma waimatense</i>	4	4	7.37 ± 0.89	0 – 11.0
<i>Oligosoma whitakeri</i>	7	3	2.3 ± 0.11	0 – 0.4
<i>Oligosoma zelandicum</i>	4	4	1.22 ± 0.33	0.6- 1.9
<i>Oligosoma lichenigerum</i>	2	1	0.14 ± 0.13	0.1

Reference

Hitchmough RA, Hoare JM, Jamieson H, Newman DG, Tocher MD, Anderson PJ, Lettink M, Whitaker AH, 2010. Conservation status of New Zealand reptiles, 2009. *New Zealand Journal of Zoology* 37:203-224.