

Supporting Information

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Fig. S1. Karyotypes of *A. inornata* and *A. exsanguis*. The karyotype of the *A. exsanguis* (A) and *A. inornata* (B) were determined from metaphase chromosomes of cultured cells. Each row shows a haploid chromosome set, with chromosomes arranged by decreasing size. *A. exsanguis* collected at Alamogordo, NM, in 2003–2005 show centric fission of one of the three large metacentric chromosomes in the triploid karyotype (indicated with an arrow). This chromosomal change from the ancestral karyotype has been reported for *A. exsanguis* from Hidalgo county (1).

1. Cole CJ (1979) Chromosome inheritance in parthenogenetic lizards and evolution of allopolyploidy in reptiles. *Journal of Heredity* 70(2):95–102.

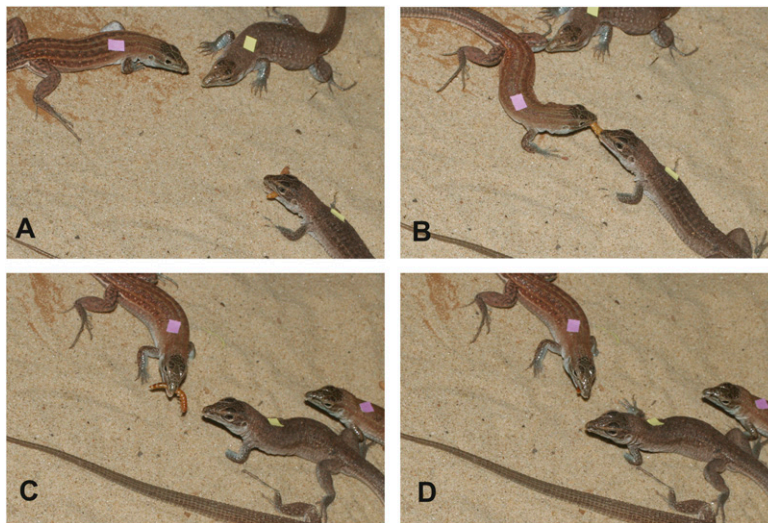


Fig. S2. Competition over food item between *A. exsanguis* and tetraploid hybrid. *A. exsanguis* (marked with yellow tape, A) on bottom right has captured *T. molitor* (B) Tetraploid hybrid (marked with pink tape) bites end of food item and (C) pulls it out of the mouth of the *A. exsanguis*. (D) Tetraploid hybrid consumes the food item.

Table S1. Primers used for microsatellite amplification

Microsatellite	Oligo sequence (5' → 3')
MS1	TGCATGATGGAGGAATCTTC CTAGTGGTGATAGAAACATGG
MS7	AACTAAGTGCTAAGTGTGAC ACAGTCTTAGAGATCACAAG
MS8	ACACCCAAAGTCCTCAACAG CTAGTACATGTGTAAGGGTG
MS10	GACCAATAATGTGGAAGCTG ACATGGCTGAGTAATTGGTG
MS11	GTGCATTCAATGATGTATT TTTGCTCAGTGAAGTAACTAG
MS12	TACCCACCTGGAGATGTTTAG AGGACGCCTAAAATAGGAAG
MS13	CCAGCAGTCTGTTCTCATAGG TTTATTGTTTGCAGCCTTGAG
MS14	TGGAGGCAGTCTTGGTATC GAACATTGACCGCATCAC
MS15	TTAAAGCAGAGGTCAGGTTATC GATGGAAGAATAGGATGATGAA

Table S2. Size ranges for each allele as determined by GeneMapper software

Microsatellite/allele	Size range
MS1	
277	276.25–276.87
312	312.09–312.64
322	321.87–322.45
323	322.73–323.45
348	348.04–348.38
MS7	
247	246.68–247.06
270	269.71–270.05
274	273.55–273.80
282	281.43–281.87
289	289.08–289.57
MS8	
207	206.98–207.17
209	208.66–208.74
213	212.74–212.93
219	218.92–219.13
230	230.39–230.56
MS10	
300	299.83–299.92
304	304.06–304.26
330	329.82–330.05
334	334.10–334.39
MS11	
209	208.94–209.07
226	226.23–226.27
255	255.09–255.69
260	260.24–260.72
330	330.09–330.20
MS12	
113	113.09–113.26
171	170.74–170.95
210	210.23–210.39
231	231.16–231.29
251	250.52–250.79
MS13	
229	228.04–229.06
255	254.95–255.36
328	327.52–327.93
350	349.82–350.16
369	369.25
MS14	
292	291.74–291.95
299	298.92–299.14
302	301.64
310	309.88–310.18
336	335.77
MS15	
223	223.14–223.38
264	263.73–263.97
305	305.32
329	329.43–329.74