## **Supporting Information**

## Lutes et al. 10.1073/pnas.1102811108



**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.

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

## Table S1. Primers used for microsatellite amplification

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MS1       276       25-276       87         277       276.25-276.87       312.09-312.64         322       321.87-322.45       323       322.73-323.45         348       348.04-348.38       MS7       246.68-247.06         270       269.71-270.05       274       273.55-273.80         281       283.92       289.08-289.57       MS8         207       206.98-207.17       209       208.66-208.74         213       212.74-212.93       218.92-219.13       212.74-212.93         219       218.92-219.13       230.39-230.56       MS10         300       299.83-299.92       304       304.06-304.26         330       329.82-330.05       334       314.0-334.39         MS11       209       208.94-209.07       226.23-226.27         255       255.09-255.69       260.24-26.07.27       330       330.09-330.00         MS12       209       208.94-209.07       226.23-226.27       255       255.09-255.69         260       260.24-26.07.27       330       330.09-330.20       MS12         113       113.09-113.26       171       170.74-170.95 <td< th=""><th>Microsatellite/allele</th><th>Size range</th></td<>	Microsatellite/allele	Size range
277     276.25-276.87       312     312.09-312.64       322     321.87-322.45       348     348.04-348.38       MS7     246.68-247.06       270     269.71-270.05       274     273.55-273.80       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     220.39-230.56       MS10     300     299.83-299.92       304     304.06-304.26     330       330     329.82-30.05     334.10-334.39       MS11     209     208.94-209.07       226     226.23-226.27     225.59       330     329.82-30.05     334.10-334.39       MS11     209     208.94-209.07       226     226.23-226.27     225.59       255     255.09-255.69     260       260     260.24-260.72     330     30.00       321     213.116-231.29     211.16-231.29       251     250.52-250.79     350       325     254.95-255.36 </th <th>MS1</th> <th></th>	MS1	
312     312.09-312.64       322     321.87-322.45       323     322.73-323.45       348     348.04-348.38       MS7     246.68-247.06       247     246.68-247.06       270     269.71-270.05       274     273.55-273.80       282     281.43-281.87       289     289.8-289.57       MS8     207       207     206.98-207.17       209     208.66-208.74       213     212.74-212.93       230     230.39-230.56       MS10     20       300     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       209     208.94-209.07       226     226.23-226.27       255     255.09       260     260.24-260.72       330     330.09-330.20       330.0     330.09-330.20       331     213.09-213.21       210     210.23-210.39       231     231.16-231.29       251     255.25.250.79	277	276.25–276.87
322     321.87-322.45       328     322.73-323.45       348     348.04-348.38       MS7     247       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       300     299.83-299.92       304     304.06-304.26       333     329.82-330.05       334     334.10-334.39       MS11     209       209     208.94-209.07       226     226.23-226.27       225     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS11     113.09-113.26       171     170.74-170.95       210     210.23-210.39       231     221.16-231.29       251     250.52-250.79       MS12	312	312.09–312.64
323     322.73-323.45       348     348.04-348.38       MS7     246.68-247.06       270     269.71-270.05       274     273.55-273.80       289     281.43-281.87       289     289.08-289.57       MS8     207       209     208.66-208.74       213     212.74-212.93       219     218.92-219.13       230     230.39-230.56       MS10     300       209     208.40-304.26       330     329.82-330.05       344     304.06-304.26       330     329.82-330.05       344     304.06-304.26       330     329.82-330.05       344     304.06-304.26       330     329.82-330.05       343     34.10-334.39       MS11     209       209     208.94-209.07       226     226.23-226.27       255     255.09-255.09       260     260.24-260.72       251     205.225.07.9       MS12     210       210     210.23-210.39       251     225.25.25.79 <td>322</td> <td>321.87-322.45</td>	322	321.87-322.45
348     348.04-348.38       MS7     246.68-247.06       270     266.97.1-270.05       274     273.55-273.80       282     281.43-281.87       289     289.8-289.57       MS8     207       209     208.66-208.74       213     212.74-212.93       230     230.39-230.56       MS10     29.83-299.92       304     304.06-304.26       MS11     209       209     208.94-209.07       226     226.23-226.27       255     225.09-255.69       260     260.24-260.72       330     329.82-330.05       334     334.10-334.39       MS11     209       209     208.94-209.07       226     226.23-226.27       255     255.09-255.69       260     260.24-260.72       330     330.02.00       MS12     211       113     113.09-113.26       171     170.74-170.95       210     210.23-210.39       251     250.52-250.79       MS13     229 <t< td=""><td>323</td><td>322.73-323.45</td></t<>	323	322.73-323.45
MS7       246.68-247.06         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       2007       206.98-207.17         209       208.66-208.74       213         212.74-212.93       213.9-219.13       212.74-212.93         230       230.39-230.56       MS10       300         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       260.02-4-260.72       330       330.09-330.20         MS12       113       113.09-113.26       171       170.74-170.95       210       210.23-210.39       231       211.16-231.29       251       250.52-250.79       MS13       229       228.04-229.06       255       254.95-255.76       326.93       329.25       328       327.52-327.93       350       349.82-350.16       369       369       369       362.5	348	348.04-348.38
247       246.68-247.06         270       269.71-270.05         274       273.55-273.80         289       289.08-289.57         MS8       207         209       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         300       299.83-299.92         304       304.06-304.26         330       329.82-330.05         334       334.10-334.39         MS11       209         209       208.94-209.07         226       226.23-226.27         255       255.09-255.69         260       226.23-226.27         255       255.09-255.69         260       226.23-226.27         255       255.09-255.69         261       226.23-226.27         255       255.09-255.69         260       26.23-226.27         251       250.52-250.79         MS11       209         228.04-229.06       255         25	MS7	
270       269.71-270.05         274       273.55-273.80         282       281.43-281.87         289       289.08-289.57         MS8       207         209       208.66-208.74         213       212.74-212.93         230       230.39-230.56         MS10       20         300       29.83-299.92         304       304.06-304.26         330       329.82-330.05         331       334.10-334.39         MS11       209         206       226.23-226.27         255       255.09-255.69         260       260.24-260.72         330       330.09-330.20         MS12       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         229       228.04-229.06         255       254.95-255.36         328       327.52-327.93         350       349.82-350.16         369       369.25         MS14	247	246.68-247.06
274     273.55-273.80       282     281.43-281.87       289     289.08-289.57       MS8     207       209     208.66-208.74       213     212.74-212.93       219     218.92-219.13       230     230.30-230.56       MS10     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       226     226.23-226.27       255     255.09-255.09       260     260.24-260.72       330     330.09-330.20       MS12     113       113     113.09-113.26       171     170.74-170.95       210     210.23-210.39       231     221.16-231.29       251     250.52-250.79       MS13     210       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       292     291.74-291.95	270	269.71-270.05
282     281.43-281.87       289     289.08-289.57       MS8     207       209     208.66-208.74       213     212.74-212.93       219     218.92-219.13       230     230.39-230.56       MS10     300       300     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       206     226.2726.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       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       255     254.95-255.36       328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       293     28.92-299.14       304     301.64       310     309.88-310.18       3	274	273 55-273 80
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       300     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       206     226.23-226.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       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       255     254.95-255.36       328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       293     298.92-299.14       300     301.64 <td>282</td> <td>281 43-281 87</td>	282	281 43-281 87
1203       206.06 (203.7)         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       2         300       299.83–299.92         304       304.06–304.26         330       329.82–330.05         334       334.10–334.39         MS11       209         209       208.94–209.07         226       226.23–226.27         255       255.09–255.69         260       260.24–260.72         330       30.09–330.20         MS12       20         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       327.52–327.93         350       349.82–350.16         369       369.25         MS14       292         291.74–291.95       299         298.92–299.14	289	289 08-289 57
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     0       300     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     0       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     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       229     228.04-229.06       255     254.95-255.36       326     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       292     291.74-291.95       293     298.92-299.14	MS8	205.00 205.57
209     208.06-208.74       213     212.74-212.93       219     218.92-219.13       230     230.39-230.56       MS10     0       300     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       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     113.09-113.26       171     170.74-170.95       210     210.23-210.39       231     221.16-231.29       251     250.52-250.79       MS13     229       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       292     291.74-291.95       293     298.92-299.14       302     301.64 <td< td=""><td>207</td><td>206 98-207 17</td></td<>	207	206 98-207 17
213     212.74–212.93       219     218.92–219.13       230     230.39–230.56       MS10     300       300     299.83–299.92       304     304.06–303.05       330     329.82–330.05       334     334.10–334.39       MS11     209       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     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       229     228.04–229.06       255     254.95–255.36       328     327.52–327.93       350     349.82–350.16       369     369.25       MS14     20       292     291.74–291.95       293     298.92–299.14       300     309.88–310.18       336     335.77 <t< td=""><td>209</td><td>200.50-207.17</td></t<>	209	200.50-207.17
213     212.14-212.33       219     218.92-219.13       230     230.39-230.56       MS10     300       300     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       209     226.226.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       113     113.09-113.26       171     170.74-170.95       210     210.23-210.39       231     211.6-231.29       251     255.05-255.36       255     254.95-255.36       328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       299     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305	205	200.00-200.74
219     218.32–219.13       230     230.39–230.56       MS10     300       300     299.83–299.92       304     304.06–304.26       330     329.82–330.05       334     334.10–334.39       MS11     209       209     208.94–209.07       226     226.23–226.27       255     255.09–255.09       260     260.24–260.72       330     330.09–330.20       MS12     11       113     113.09–113.26       171     170.74–170.95       210     210.23–210.39       231     231.16–231.29       251     205.2–250.79       MS13     229       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       299     288.92–299.14       300     309.88–310.18       336     335.77       MS15     223       223     223.14–223.38       264	213	212.74-212.55
250     250.39-230.36       MS10     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       206     226.23-226.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       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     255.5       350     349.82-350.16       369     369.25       MS14     292       293     298.92-299.14       304     301.64       310     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     302.43-329.74	213	218.92-219.13
MN 510     299.83-299.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       206     226.23-226.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       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       255     254.95-255.36       328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       292     291.74-291.95       293     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329	230 MS10	230.39-230.30
300     293.83-293.92       304     304.06-304.26       330     329.82-330.05       334     334.10-334.39       MS11     209       226     226.23-226.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113.09-113.26       171     170.74-170.95       210     210.23-210.39       231     231.16-231.29       251     255.052-250.79       MS13     229       255     254.95-255.36       328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       293     294.74-291.95       299     298.92-299.14       300     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	200	200 82 200 02
304     304,06-304,26       330     329,82-330,05       334     334,10-334,39       MS11     209       226     226,23-226,27       255     255,09-255,69       260     260,24-260,72       330     330,09-330,20       MS12     113       113     113,09-113,26       171     170,74-170,95       210     210,23-210,39       231     231,16-231,29       251     255,052-250,79       MS13     229       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       292     291,74-291,95       293     298,92-299,14       302     301,64       310     309,88-310,18       336     335,77       MS15     223       223     223,14-223,38       264     263,73-263,97       305     305,32       329     329,43-329,74	300	299.03-299.92
330     329.82-330.05       334     334.10-334.39       MS11     209       226     226.23-226.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       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       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       292     291.74-291.95       299     298.92-299.14       300     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	304	304.06-304.26
334     334.10-334.39       MS11	330	329.82-330.05
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     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       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       292     291.74–291.95       293     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       223     223.14–223.38       264     263.73–263.97       305     305.32       329     329.43–329.74	334	334.10-334.39
209     208.94-209.0/       226     226.23-226.27       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       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       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       292     291.74-291.95       293     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	MS11	
226     226.23-226.2/       255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       113     113.09-113.26       171     170.74-170.95       210     210.23-210.39       231     231.16-231.29       255     254.95-255.36       328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       293     298.92-299.14       304     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	209	208.94-209.07
255     255.09-255.69       260     260.24-260.72       330     330.09-330.20       MS12     113       113     113.09-113.26       171     170.74-170.95       210     210.23-210.39       231     231.16-231.29       251     2250.52-250.79       MS13     229       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     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	226	226.23-226.27
260     260.24-260.72       330     330.09-330.20       MS12     113       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       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     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	255	255.09–255.69
330     330.09–330.20       MS12     113       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       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     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       223     223.14–223.38       264     263.73–263.97       305     305.32       329     329.43–329.74	260	260.24–260.72
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       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       292     291.74–291.95       299     298.92–299.14       302     301.64       310     309.88–310.18       336     305.77       MS15     223       223     223.14–223.38       264     263.73–263.97       305     305.32       329     329.43–329.74	330	330.09–330.20
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       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       292     291.74–291.95       299     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       223     223.14–223.38       264     263.73–263.97       305     305.32       329     329.43–329.74	MS12	
171170.74–170.95210210.23–210.39231231.16–231.29251250.52–250.79MS13229228.04–229.06255254.95–255.36328327.52–327.93350349.82–350.16369369.25MS14292299298.92–299.14302301.64310309.88–310.18336335.77MS15223223223.14–223.38264263.73–263.97305305.32329329.43–329.74	113	113.09–113.26
210     210.23–210.39       231     231.16–231.29       251     250.52–250.79       MS13     229       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       292     291.74–291.95       299     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       223     223.14–223.38       264     263.73–263.97       305     305.32       329     329.43–329.74	171	170.74–170.95
231     231.16-231.29       251     250.52-250.79       MS13     229       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       299     291.74-291.95       299     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       223     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	210	210.23–210.39
251     250.52–250.79       MS13     229       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       299     291.74–291.95       299     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       223     223.14–223.38       264     263.73–263.97       305     305.32       329     329.43–329.74	231	231.16–231.29
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       299     298.92–299.14       300     301.64       310     309.88–310.18       336     335.77       MS15     223       223     223.14–223.38       264     263.73–263.97       305     305.32       329     329.43–329.74	251	250.52-250.79
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     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       224     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	MS13	
255     254.95-255.36       328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       299     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       224     223.14-223.38       264     263.73-263.97       305     305.32       329     329.43-329.74	229	228.04–229.06
328     327.52-327.93       350     349.82-350.16       369     369.25       MS14     292       299     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       224     263.73-263.97       305     305.32       329     329.43-329.74	255	254.95–255.36
350     349.82–350.16       369     369.25       MS14     292       291.74–291.95     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       224     263.73–263.97       305     305.32       329     329.43–329.74	328	327.52–327.93
369   369.25     MS14   292     299   298.92-299.14     302   301.64     310   309.88-310.18     336   335.77     MS15   223     224   263.73-263.97     305   305.32     329   329.43-329.74	350	349.82–350.16
MS14       292     291.74–291.95       299     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       224     263.73–263.97       305     305.32       329     329.43–329.74	369	369.25
292     291.74-291.95       299     298.92-299.14       302     301.64       310     309.88-310.18       336     335.77       MS15     223       224     263.73-263.97       305     305.32       329     329.43-329.74	MS14	
299     298.92–299.14       302     301.64       310     309.88–310.18       336     335.77       MS15     223       224     263.73–263.97       305     305.32       329     329.43–329.74	292	291.74–291.95
302   301.64     310   309.88–310.18     336   335.77     MS15   223.14–223.38     264   263.73–263.97     305   305.32     329   329.43–329.74	299	298.92–299.14
310   309.88–310.18     336   335.77     MS15   223     223   223.14–223.38     264   263.73–263.97     305   305.32     329   329.43–329.74	302	301.64
336   335.77     MS15   223.14–223.38     264   263.73–263.97     305   305.32     329   329.43–329.74	310	309.88–310.18
M515 223 223.14–223.38 264 263.73–263.97 305 305.32 329 329.43–329.74	336	335.77
223   223.14–223.38     264   263.73–263.97     305   305.32     329   329.43–329.74	MS15	
264       263.73–263.97         305       305.32         329       329.43–329.74	223	223.14–223.38
305 305.32 329 329.43–329.74	264	263.73–263.97
329 329.43–329.74	305	305.32
	329	329.43-329.74

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

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