

Table S4. Summary of data for 46 cranial and 36 mandibular measurements used for morphometric analysis of solenodon specimens from Hispaniola's three biogeographic regions and Cuba, showing mean values and standard deviation (in parentheses), and whether allopatric Hispaniolan populations display statistically significant differences for each measurement in ANOVA of population-level differences (only p values significant at $p < 0.05$ are given).

CHARACTER	N Hispaniola	SE Hispaniola	SW Hispaniola	Cuba	p (N:SE)	p (N:SW)	p (SE:SW)
<i>A. Cranial</i>							
1. I2 length	3.35 (0.42)	2.95 (0.17)	3.25 (0.18)	2.92 (0.10)	0.003		0.002
2. I2 width	1.70 (0.22)	1.55 (0.14)	1.51 (0.13)	1.70 (0.16)	0.006		
3. I3 length	2.27 (0.26)	1.95 (0.11)	2.14 (0.22)	2.24 (0.17)	<0.001		
4. I3 width	1.60 (0.15)	1.40 (0.07)	1.53 (0.05)	1.60 (0.12)	<0.001		0.0481
5. Canine length	4.52 (0.38)	3.72 (0.25)	4.31 (0.37)	4.21 (0.47)	<0.001		
6. Canine width	2.40 (0.18)	2.09 (0.12)	2.32 (0.21)	3.18 (0.90)	<0.001		0.038
7. P3 length	3.39 (0.27)	2.92 (0.24)	3.25 (0.20)	3.34 (0.27)	<0.001		
8. P3 width	2.15 (0.19)	1.97 (0.11)	1.99 (0.15)	2.45 (0.19)	<0.001		
9. P4 length	4.11 (0.37)	3.25 (0.24)	3.74 (0.32)	3.93 (0.25)	<0.001		<0.001
10. P4 width	2.49 (0.24)	2.14 (0.18)	2.32 (0.23)	3.14 (0.25)	<0.001		
11. P5 length	5.38 (0.40)	4.56 (0.37)	5.05 (0.36)	4.03 (0.21)	<0.001		0.003
12. P5 width	6.84 (0.48)	5.43 (0.37)	6.49 (0.54)	5.70 (0.36)	<0.001		<0.001
13. M1 length	4.46 (0.36)	3.98 (0.27)	4.48 (0.43)	3.44 (0.45)	<0.001		0.043
14. M1 width	7.02 (0.58)	5.82 (0.38)	6.62 (0.51)	5.88 (0.57)	<0.001		0.048
15. M2 length	4.00 (0.34)	3.50 (0.29)	3.60 (0.25)	2.76 (0.34)	<0.001		
16. M2 width	7.39 (0.52)	6.27 (0.37)	7.26 (0.56)	5.73 (0.52)	<0.001		0.036
17. M3 length	2.66 (0.22)	2.34 (0.15)	2.56 (0.21)	1.92 (0.19)	<0.001		
18. M3 width	6.42 (0.59)	5.27 (0.30)	5.87 (0.35)	4.50 (0.45)	<0.001		
19. Greatest occipitonasal length	80.10 (2.89)	74.92 (3.32)	77.20 (2.43)	73.98 (2.44)	<0.001	<0.001	0.030
20. Height of braincase	17.58 (0.93)	17.63 (0.74)	17.39 (0.43)	17.59 (0.64)			
21. Greatest width across braincase	24.47 (0.89)	23.82 (0.82)	23.91 (0.71)	24.74 (0.65)	0.026	0.038	

22. Anterior snout width	9.51 (0.66)	8.87 (0.38)	9.07 (0.34)	8.13 (0.39)	0.008	0.042	
23. Maximum width across I1	7.25 (0.41)	6.84 (0.54)	6.91 (0.31)	6.31 (0.38)	<0.001	0.002	0.002
24. Internal alveolar width across I3	5.46 (0.48)	5.46 (0.33)	5.84 (0.35)	4.97 (0.26)		0.003	
25. External alveolar width across I3	8.73 (0.50)	8.34 (0.30)	9.00 (0.33)	8.09 (0.50)			<0.001
26. Length of diastema	4.23 (0.72)	4.43 (0.54)	4.29 (0.52)	3.59 (0.47)			
27. Maximum width across P5	18.60 (0.85)	17.01 (0.70)	18.04 (0.78)	18.05 (0.33)	<0.001	0.043	0.005
28. Internal alveolar width across M1	10.21 (0.66)	10.35 (0.57)	10.80 (0.60)	9.66 (0.42)		0.007	
29. Maximum width across M2	23.57 (1.02)	21.38 (0.71)	23.23 (0.61)	20.88 (0.49)	<0.001		<0.001
30. Alveolar length of I2-M3	32.72 (0.98)	30.14 (1.00)	31.53 (0.73)	31.09 (0.91)	<0.001	<0.001	<0.001
31. Alveolar length of cheektooth row (P5-M3)	15.67 (0.66)	14.12 (0.46)	14.75 (0.39)	12.32 (0.56)	<0.001	<0.001	<0.001
32. Length of palate	40.69 (1.44)	37.51 (1.62)	38.98 (1.16)	37.40 (0.82)	<0.001	<0.001	0.005
33. Postpalatal length	35.08 (1.46)	34.05 (1.58)	34.33 (1.24)	31.91 (1.19)	0.008	0.029	
34. Width across minor palatine foramina	8.04 (0.52)	7.41 (0.49)	8.36 (0.49)	7.25 (0.40)	0.001	0.023	<0.001
35. Width of exterior surfaces of foramen ovale	11.23 (0.52)	10.72 (0.49)	11.09 (0.56)	11.42 (0.35)	0.002		0.020
36. Width across anterior zygomatic processes of maxilla	33.20 (2.01)	32.33 (1.16)	31.89 (1.10)	31.54 (2.27)			
37. Width across zygomatic processes of squamosal	31.94 (1.80)	31.68 (1.32)	30.66 (0.76)	31.08 (0.74)		0.004	0.029
38. Min. distance between ant. and post. zygomatic processes	16.88 (1.56)	15.67 (1.89)	16.24 (1.17)	16.47 (1.79)			
39. Internal width across entoglenoid process	12.28 (0.79)	11.40 (0.57)	11.83 (0.55)	11.42 (0.58)	<0.001	0.042	
40. Maximum width across infraorbital foramina	19.86 (0.95)	18.65 (1.02)	19.05 (0.58)	19.37 (0.58)	0.002	0.001	
41. Minimum width across postorbital constriction	15.01 (0.55)	14.40 (0.52)	14.64 (0.44)	14.98 (0.41)	0.005	0.031	
42. Width of mastoid process	27.04 (1.07)	26.03 (1.08)	26.67 (0.58)	26.70 (0.78)	<0.001		
43. Width of nuchal crest	18.16 (1.90)	17.40 (1.28)	17.96 (0.77)	17.30 (1.81)	0.003		
44. Width of occipital condyles (external)	16.85 (0.74)	16.19 (0.72)	16.52 (0.47)	16.17 (0.78)	<0.001		
45. Width of foramen magnum	9.99 (0.57)	9.17 (0.43)	9.47 (0.38)	9.38 (0.39)	<0.001	<0.001	
46. Height of foramen magnum	7.26 (0.53)	7.08 (0.66)	7.19 (0.50)	7.60 (0.53)			
B. Mandibular							
47. i2 length (buccal)	4.21 (0.31)	3.87 (0.21)	4.15 (0.33)	3.83 (0.28)	<0.001		0.020
48. i2 width (alveolar)	3.13 (0.26)	2.83 (0.17)	3.04 (0.24)	2.78 (0.36)	<0.001		0.024
49. i2 height	9.23 (0.95)	8.97 (0.37)	8.91 (0.65)	8.30 (0.80)			
50. i3 length	2.49 (0.21)	2.25 (0.18)	2.45 (0.20)	3.15 (0.19)	<0.001		0.036
51. i3 width	1.86 (0.11)	1.69 (0.10)	1.79 (0.12)	2.04 (0.31)	<0.001		
52. Canine length	4.12 (0.27)	3.51 (0.22)	3.58 (0.24)	4.79 (0.12)	<0.001	<0.001	
53. Canine width	2.36 (0.14)	2.25 (0.14)	2.24 (0.13)	2.68 (0.11)	0.003	0.032	

54. p1 length	3.71 (0.27)	3.10 (0.13)	3.35 (0.33)	3.94 (0.23)	<0.001	<0.001	0.010
55. p1 width	2.56 (0.14)	2.30 (0.15)	2.45 (0.15)	3.00 (0.15)	<0.001		
56. p4 length	3.38 (0.26)	3.00 (0.31)	3.18 (0.20)	3.86 (0.22)	<0.001	0.018	
57. p4 width	2.45 (0.14)	2.15 (0.14)	2.33 (0.23)	2.94 (0.16)	<0.001		0.018
58. p5 length	4.31 (0.26)	3.62 (0.28)	4.04 (0.17)	4.06 (0.18)	<0.001	0.009	0.003
59. p5 width	3.27 (0.23)	2.73 (0.08)	2.88 (0.14)	3.27 (0.21)	<0.001	<0.001	0.010
60. m1 length	4.84 (0.25)	4.35 (0.24)	4.78 (0.20)	4.02 (0.14)	<0.001		<0.001
61. m1 width	4.25 (0.20)	3.73 (0.12)	4.13 (0.17)	3.97 (0.16)	<0.001		<0.001
62. m2 length	4.76 (0.25)	4.50 (0.26)	4.72 (0.17)	3.77 (0.13)	0.021		0.019
63. m2 width	4.27 (0.26)	3.77 (0.12)	4.22 (0.17)	3.66 (0.15)	<0.001		
64. m3 length	5.26 (0.37)	4.79 (0.19)	4.99 (0.20)	4.14 (0.25)	0.002		0.041
65. m3 width	3.53 (0.19)	3.02 (0.14)	3.37 (0.14)	2.85 (0.11)	<0.001	0.036	<0.001
66. Alveolar length of i3-m3	29.18 (1.17)	26.67 (0.92)	27.87 (0.73)	27.78 (0.94)	<0.001	<0.001	<0.001
67. Alveolar length of p5-m3	17.23 (0.69)	15.67 (0.69)	16.46 (0.41)	14.00 (0.29)	<0.001	0.003	0.003
68. Length of symphysis	18.35 (1.04)	17.44 (0.88)	17.90 (0.74)	17.34 (0.88)	0.007		
69. Length from base of i2 to posterior angular margin	55.16 (2.11)	51.25 (1.88)	52.94 (1.33)	50.30 (1.45)	<0.001	<0.001	0.015
70. Length from base of i2 to posterior condyle margin	53.53 (2.14)	49.74 (1.83)	50.78 (1.48)	49.23 (1.50)	<0.001	<0.001	
71. Length from base of i2 to superior coronoid margin	47.24 (2.09)	44.17 (1.22)	44.40 (1.73)	46.01 (1.68)	<0.001	<0.001	
72. Length from base of i2 to digastric notch	43.21 (1.70)	40.59 (1.53)	41.84 (1.75)	40.22 (1.04)	<0.001		
73. Length ant. margin m3 alveolus to post. angular margin	25.86 (1.39)	24.36 (1.42)	24.30 (0.93)	22.68 (1.14)	0.008	0.001	
74. Length ant. margin m3 alveolus to post. condyle margin	24.44 (1.26)	22.87 (1.33)	22.24 (1.05)	21.65 (1.12)	0.004	<0.001	0.033
75. Length ant. margin m3 alveolus to superior coronoid margin	22.08 (1.33)	20.86 (0.86)	19.94 (1.07)	21.61 (1.09)	0.011	<0.001	0.013
76. Length posterior margin of symphysis to digastric notch	25.52 (1.26)	23.83 (1.12)	24.55 (1.69)	23.44 (1.13)	<0.001	0.007	
77. Mandibular buccal height (between m1 and m2)	8.01 (0.72)	7.74 (0.44)	7.77 (0.41)	7.85 (0.42)	<0.001		
78. Width of condyle	8.41 (0.65)	8.50 (0.26)	7.76 (0.41)	7.81 (0.49)			0.001
79. Coronoid-condyle length	16.97 (1.11)	16.91 (1.10)	16.32 (0.69)	14.97 (1.00)			0.010
80. Coronoid-angular length	25.43 (1.80)	23.84 (0.99)	23.89 (0.70)	23.16 (1.41)	0.007	0.008	
81. Condyle-angular length	14.60 (1.13)	12.60 (0.61)	12.83 (0.53)	13.16 (0.88)	<0.001	<0.001	
82. Length from digastric notch to coronoid	24.63 (1.50)	23.69 (0.77)	23.31 (0.80)	23.63 (1.06)	0.026	0.010	

Characters used in Hispaniola vs Cuba analysis: 5,6,9,10,13,14,15,16,17,18,19,21,27,29,30,31,33,37,39,40,41,42,44,45,47,48,54,55,56,57,58,59,60,61,64,65,66,67, 68,69,70,71,72,73,74,75,76,78,79,80,81,82. Characters used in full Hispaniola analysis: 5,6,9,10,13,14,15,16,17,18,19,21,27,29,30,31,33,37,39,40,41,42,44,45,47,48, 54,55,56,57,58,59,60,61,64,65,66,67,68,69,70,71,72,73,74,75,76,78,79,80,81,82. Characters used in N vs SW Hispaniola analysis: 5,6,7,8,9,10,11,12,13,14,15,16,17, 18,19,22,30,31,33,37,39,40,42,43,44,47,48,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82.