

Table S2. Character data. Tentative subspecies assignments based on presumed geographic distributions.

Voucher	Tentative SSP	Mit. Clade	Nuc. Clade	SVL	Sex	Dorsum	Leg	Plantar scales	Lamellae condit	N Mid-body row	N lamellae 1	N lamellae 2	Avg N lamellae	Supralabials	Nasals	Prefrontal
SAMA R 38802	ocellifer	mit clade 3	nuc clade 5		juvenile	Typical	Spots	Pyramidal	Single fine	33	25	25	25			
SAMA R 42153	ocellifer	mit clade 3	nuc clade 5		juvenile	Vertebral hiatus	Spots	Pyramidal	Single fine	35	26	25	25.5			
SAMA R 44378	ocellifer	mit clade 3	nuc clade 5	84	female	Vertebral stripe	Combo	Pyramidal	Single fine	35	25	23	24			
SAMA R 45528	ocellifer		nuc clade 5	81	female	Vertebral hiatus	Lines	Spiny	Single fine	33	20	19	19.5			
SAMA R 54432	acripes	mit clade 3	nuc clade 2		juvenile	Typical	Spots	Spiny	Single fine	35	22	25	23.5			
SAMA R 55674	acripes	mit clade 3	nuc clade 2	90	female	Typical	Combo	Pyramidal	Single fine	38	24	24	24			
UMMZ 132495	ocellifer			96	female	Typical	Combo	Pyramidal	Single broad	35	22	21	21.5			
UMMZ 210448	ocellifer				juvenile	Typical	Spots	Pyramidal	Single fine	35	21	22	21.5			
UMMZ 210449	ocellifer				juvenile	Typical	Spots	Pyramidal	Single fine		26	29	27.5			
UMMZ 210450	ocellifer			100	female	Typical	Spots	Pyramidal	Single fine	35	23	22	22.5			
UMMZ 242633	ocellifer	mit clade 3	nuc clade 5		juvenile	Typical	Spots	Pyramidal	Single fine	35	23	24	23.5			
UMMZ 242634	ocellifer	mit clade 3	nuc clade 5	94	male	Typical	Spots	Pyramidal	Single broad	37	29	28	28.5			
UMMZ 242637	ocellifer			89		Typical	Spots	Pyramidal	Single fine	32	24	25	24.5			
UMMZ 242638	ocellifer	mit clade 3	nuc clade 5	99	female	Typical	Spots	Pyramidal	Single fine	34	22	23	22.5			
UMMZ 242639	ocellifer	mit clade 3	nuc clade 5	90	male	Typical	Spots	Pyramidal	Single fine	35	22	22	22			
UMMZ 242640	ocellifer			84		Typical	Spots	Pyramidal	Single fine	36	23	24	23.5			
UMMZ 242642	pantherinus	mit clade 2	nuc clade 4	92	female	Typical	Lines	Spiny	Single fine	34	25	26	25.5			
UMMZ 242643	pantherinus	mit clade 2	nuc clade 4	94	male	Typical	Combo	Spiny	Single fine	34	28	26	27			
UMMZ 244295	ocellifer			82		Lines	Lines	Pyramidal	Single fine	34	22	23	22.5			
UMMZ 244298	ocellifer			79	male	Lines	Lines	Pyramidal	Single fine	36	24	24	24			
UMMZ 244307	pantherinus				juvenile	Typical	Spots	Pyramidal	Single fine	36	26	26	26			
UMMZ 244310	pantherinus			92	female	Typical	Combo	Pyramidal	Single fine	37	24	27	25.5			
UMMZ 244312	pantherinus			108	female	Typical	Spots	Pyramidal	Single fine	38	28	27	27.5			
WAM R 101403	calx			100	male	Typical	Spots	Spiny	Single fine	36	21	22	21.5	8 contact		contact
WAM R 103087	calx			95	female	Typical	Spots	Pyramidal	Single broad	37	22	23	22.5	8 contact		point
WAM R 103157	calx			94	male	Typical	Spots	Pyramidal	Single broad	37	22	21	21.5	8 contact		contact
WAM R 103166	calx			97	female	Typical	Spots	Pyramidal	Single broad	38	23	23	23	8 contact		separated
WAM R 103984	pantherinus			105	male	Typical	Combo	Pyramidal	Single fine	36	25	24	24.5	8 contact		contact
WAM R 112213	ocellifer			93	female	Typical	Spots	Spiny	Single fine	36	24	25	24.5	8 contact		contact
WAM R 112720	ocellifer			93	female	Typical	Spots	Spiny	Single fine	38	24	26	25	8 contact		contact
WAM R 113011	ocellifer			97		Typical	Spots	Spiny	Single fine	38	27	27	27	9 contact		contact
WAM R 113022	ocellifer			90	female	Typical	Spots	Spiny	Single fine	36	27	25	26	9 contact		contact
WAM R 113027	ocellifer			96		Typical	Spots	Spiny	Single fine	36	22	24	23	8 contact		contact
WAM R 113028	ocellifer			78		Typical	Spots	Spiny	Single fine	36	23	24	23.5	8 contact		contact
WAM R 119962	ocellifer	mit clade 3	nuc clade 5	87	male	Typical	Spots	Spiny	Single fine	36	26	26	26	7 contact		contact
WAM R 126416	ocellifer				female	Wide border	Combo	Pyramidal	Single fine	36	21	22	21.5	contact		separated
WAM R 128177	pantherinus			82	female	Vertebral stripe	Spots	Spiny	Single fine	32		23	23	8 contact		contact
WAM R 128178	pantherinus			79	male	Vertebral stripe	Spots	Spiny	Single fine	32	24	24	24	8 contact		contact
WAM R 128179	pantherinus			77	female	Vertebral stripe	Spots	Spiny	Single fine	33	22	22	22	8 contact		contact
WAM R 128187	pantherinus			87	male	Vertebral stripe	Spots	Spiny	Single fine	32	23	24	23.5	8 contact		contact
WAM R 128188	pantherinus			86	male	Wide border	Spots	Spiny	Single fine	36	23	24	23.5	9 contact		contact
WAM R 128191	pantherinus			86	male	Wide border	Spots	Spiny	Single fine	34	23	23	23	8 contact		contact
WAM R 128195	pantherinus				male	Vertebral stripe	Spots	Spiny	Single fine	34	23	24	23.5	8 contact		contact
WAM R 128198	pantherinus				female	Vertebral stripe	Spots	Spiny	Single fine	32		23	23	8 contact		separated
WAM R 128199	pantherinus				male	Wide border	Spots	Spiny	Single fine	36	22	22	22	8 contact		contact
WAM R 128201	pantherinus				female	Wide border	Spots	Spiny	Single fine	34	21	22	21.5	8 contact		contact
WAM R 128202	pantherinus			83	male	Vertebral stripe	Spots	Spiny	Single fine	31	22	23	22.5	8 contact		contact
WAM R 12894	acripes			83	female	Vertebral stripe	Spots	Spiny	Triple fine	40	23	24	23.5	8 contact		contact
WAM R 130671	pantherinus			79	male	Wide border	Spots	Spiny	Single fine	33	21	21	21	8 contact		contact
WAM R 134166	pantherinus	mit clade 2	nuc clade 3		juvenile	Wide border	Spots	Spiny	Single fine	34	23	22	22.5	9 contact		contact
WAM R 134539	pantherinus			82	male	Wide border	Spots	Spiny	Single fine	34	19	20	19.5	8 contact		contact
WAM R 134858	pantherinus			88	male	Wide border	Spots	Spiny	Single fine	34	23	21	22	8 contact		contact
WAM R 136300	ocellifer			85	male	Typical		Spiny	Single fine	33	23	22	22.5	8 contact		contact
WAM R 136528	pantherinus			80	male	Wide border	Spots	Spiny	Single fine	32	24	25	24.5	8 contact		contact
WAM R 136594	ocellifer			81	male	Lines	Lines	Pyramidal	Single fine	34	25	25	25	8 contact		contact
WAM R 136626	ocellifer			80	male	Lines	Lines	Pyramidal	Single fine	37	21	21	21	8 contact		contact
WAM R 144887	pantherinus			94	male	Wide border	Spots	Spiny	Single fine	32	24	25	24.5	9 contact		contact
WAM R 151019	calx			108	female	Typical	Spots	Pyramidal	Single broad	38	22	22	22	8 contact		contact

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Voucher	Tentative SSP	Mit. Clade	Nuc. Clade	SVL	Sex	Dorsum	Leg	Plantar scales	Lamellae condit	N Mid-body row	N lamellae 1	N lamellae 2	Avg N lamellae	Supralabials	Nasals	Prefrontal
WAM R 151501	ocellifer				87 male	Lines	Lines	Spiny	Single fine	36	21	23	22	8 contact	contact	
WAM R 151505	ocellifer				85 female	Lines	Lines	Pyramidal	Single fine	34	24	26	25	9 contact	contact	contact
WAM R 151507	ocellifer				82 female	Lines	Lines	Pyramidal	Single fine	34	25	24	24.5	8 contact	contact	contact
WAM R 151542	acripes				86	Typical	Spots	Spiny	Single fine	38	24	26	25	8 contact	contact	contact
WAM R 151543	acripes				93	Vertebral stripe	Spots	Spiny	Single fine	36	20	23	21.5	8 contact	contact	contact
WAM R 153900	ocellifer				86 male	Typical	Lines	Spiny	Triple fine	38	24	25	24.5	7 contact	contact	contact
WAM R 153901	ocellifer				91 male	Typical	Lines	Spiny	Triple fine	39	26		26	8 contact	contact	contact
WAM R 153902	ocellifer				80 female	Typical	Lines	Spiny	Triple fine	34	25	25	25	7 contact	contact	contact
WAM R 153903	ocellifer				90	Typical	Lines	Spiny	Triple fine	37	25	24	24.5	8 contact	contact	contact
WAM R 153984	pantherinus	mit clade 2	nuc clade 3		85 male	Wide border	Spots	Spiny	Single fine	34	22	22	22	8 contact	contact	separated
WAM R 154389	acripes	mit clade 2			89	Typical	Spots	Spiny	Single fine	39	22	25	23.5	8 contact	contact	contact
WAM R 154918	ocellifer				98 female	Vertebral hiatus	Spots	Spiny	Single fine	38	25	24	24.5	8 contact	contact	contact
WAM R 154920	ocellifer				98 male	Typical	Spots	Spiny	Single fine	38	24	24	24	9 contact	contact	point
WAM R 154922	ocellifer				84 female	Vertebral hiatus	Spots	Spiny	Single fine	35	24	25	24.5	8 contact	contact	contact
WAM R 155734	ocellifer				77	Lines	Lines	Pyramidal	Single fine	36	22	22	22	8 contact	contact	contact
WAM R 155735	ocellifer				76	Lines	Lines	Pyramidal	Single fine	36	21	22	21.5	8 contact	contact	contact
WAM R 155736	ocellifer				76	Lines	Lines	Pyramidal	Single fine	35	20	22	21	8 contact	contact	contact
WAM R 155738	ocellifer				85	Lines	Lines	Pyramidal	Single fine	35	20	22	21	8 contact	contact	contact
WAM R 155742	ocellifer				76	Lines	Lines	Pyramidal	Single fine	35	23	23	23	8 contact	contact	contact
WAM R 157452	ocellifer	mit clade 3			95 female	Typical	Combo	Pyramidal	Single fine	35	24	25	24.5	8 contact	contact	contact
WAM R 157461	ocellifer	mit clade 3			80 male	Typical	Combo	Pyramidal	Single fine	36	25	24	24.5	8 contact	contact	contact
WAM R 157688	pantherinus				male	Wide border	Spots	Spiny	Single fine	32				8 contact	contact	contact
WAM R 158463	ocellifer	mit clade 2	nuc clade 4		juvenile	Typical	Combo	Spiny	Single fine	36	24	24	24	8 contact	contact	separated
WAM R 164414	calx				94 female	Typical	Combo	Smooth	Single broad	36	23	23	23	8 contact	contact	contact
WAM R 164415	calx				92 female	Typical	Spots	Smooth	Single broad	36	21	21	21	8 contact	contact	contact
WAM R 164416	calx				100 female	Vertebral hiatus	Spots	Pyramidal	Single broad	40	19	21	20	8 contact	contact	contact
WAM R 166393	ocellifer	mit clade 3			juvenile	Typical	Combo	Spiny	Single fine	36	26	26	26	8 contact	contact	contact
WAM R 166394	ocellifer	mit clade 3			juvenile	Vertebral stripe	Combo	Spiny	Single fine	36	24	24	24	8 contact	contact	contact
WAM R 166395	ocellifer	mit clade 3			87 male	Vertebral stripe	Combo	Pyramidal	Single fine	36	22	22	22	8 contact	contact	contact
WAM R 166396	ocellifer	mit clade 3			91 male	Typical	Combo	Pyramidal	Single fine	34	21	23	22	8 contact	contact	contact
WAM R 166397	ocellifer	mit clade 3			82 female	Lines	Combo	Pyramidal	Single fine	36	22	22	22	8 contact	contact	contact
WAM R 166398	ocellifer	mit clade 3			76 female	Lines	Combo	Pyramidal	Single fine	36	21	21	21	8 contact	contact	contact
WAM R 166399	ocellifer	mit clade 3			juvenile	Typical	Combo	Spiny	Single fine	34	21	21	21	8 contact	contact	contact
WAM R 166401	ocellifer	mit clade 3			87 male	Typical	Combo	Pyramidal	Single fine	34	23	23	23	9 contact	contact	contact
WAM R 166402	ocellifer	mit clade 3			juvenile	Typical	Combo	Spiny	Single fine	36	23	26	24.5	9 contact	contact	contact
WAM R 172750	calx				93 female	Typical	Spots	Smooth	Single broad	37	21	21	21	8 contact	contact	contact
WAM R 174235	calx				83 female	Typical	Spots	Pyramidal	Single broad	36	20	21	20.5	8 contact	contact	contact
WAM R 174579	ocellifer				90	Lines	Lines	Spiny	Triple fine	38	21	22	21.5	8 contact	contact	contact
WAM R 174620	ocellifer				93	Lines	Lines	Spiny	Triple fine	37	22	22	22	8 contact	contact	contact
WAM R 174653	ocellifer				98	Vertebral hiatus	Combo	Spiny	Triple fine	39	24	24	24	8 contact	contact	separated
WAM R 174654	ocellifer				92	Vertebral hiatus	Combo	Spiny	Triple fine	38	26	26	26	8 contact	contact	contact
WAM R 174995	ocellifer				81 female	Vertebral hiatus	Spots	Spiny	Single fine	36	25	27	26	8 contact	contact	contact
WAM R 175195	ocellifer				86 female	Typical	Spots	Spiny	Single fine	36	25	25	25	8 contact	contact	contact
WAM R 175208	ocellifer				81 male	Vertebral hiatus	Spots	Spiny	Single fine	34	21	23	22	8 contact	contact	point
WAM R 175413	ocellifer				76	Typical	Spots	Spiny	Single fine	36	24	24	24	8 contact	contact	contact
WAM R 177281	ocellifer				92 female	Typical	Spots	Spiny	Single fine	36	25	25	25	8 contact	contact	contact
WAM R 179645	ocellifer				94	Vertebral stripe	Spots	Spiny	Single fine	34	21	23	22	8 contact	contact	contact
WAM R 26375	ocellifer								Single fine							
WAM R 33969	pantherinus				75 female	Wide border	Combo	Pyramidal	Single fine	36		18	18	8 contact	contact	contact
WAM R 45416	acripes				86 female		Spots	Spiny	Triple fine		22	24	23	8 contact	contact	contact
WAM R 45420	acripes				87 male	Typical	Spots	Spiny	Triple fine	40	24	24	24	8 contact	contact	contact
WAM R 45421	acripes				86 female	Typical	Spots	Spiny	Triple fine	38	25	23	24	9 contact	contact	separated
WAM R 45422	acripes				91 female	Typical	Spots	Spiny	Triple fine	38	27	26	26.5	8 contact	contact	contact
WAM R 45425	acripes				86 male	Typical	Spots	Spiny	Triple fine	39	22	22	22	8 contact	contact	contact
WAM R 45432	acripes				91 male	Typical	Spots	Spiny	Triple fine	38	24	23	23.5	8 contact	contact	contact
WAM R 45433	acripes				95 female	Typical	Spots	Spiny	Triple fine	40	24		24	8 contact	contact	contact
WAM R 45434	acripes				85 female	Typical	Spots	Spiny	Triple fine	38	24	24	24	8 contact	contact	contact
WAM R 45435	acripes				79 female	Typical	Spots	Spiny	Triple fine	39	23	23	23	8 contact	contact	contact

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Voucher	Tentative SSP	Mit. Clade	Nuc. Clade	SVL	Sex	Dorsum	Leg	Plantar scales	Lamellae condit	N Mid-body row	N lamellae 1	N lamellae 2	Avg N lamellae	Supralabials	Nasals	Prefrontal
WAM R 54927	pantherinus			86	male	Vertebral stripe	Combo	Spiny	Single fine	34	23	22	22.5	9	contact	contact
WAM R 55001	pantherinus			90	male	Vertebral hiatus	Lines	Spiny	Single fine	34	24	23	23.5	10	contact	contact
WAM R 55637	acripes					Typical	Spots	Spiny	Single fine	40	20	21	20.5	8		
WAM R 56704	acripes			84		Vertebral hiatus	Spots	Spiny	Single fine	38	24	25	24.5	8	contact	contact
WAM R 56705	acripes			75		Vertebral hiatus	Spots	Spiny	Single fine	37	21	21	21	8	contact	narrow
WAM R 57242	calx			104	female	Vertebral hiatus	Spots	Smooth	Single broad	38	23	23	23	9	contact	contact
WAM R 59594	ocellifer				female	Vertebral stripe	Spots	Spiny	Single fine	32	23	21	22	8	contact	contact
WAM R 59614	ocellifer			80	male	Vertebral stripe	Spots	Spiny	Single fine	34	23	24	23.5	8	contact	contact
WAM R 60653	ocellifer				juvenile	Vertebral stripe	Spots	Pyramidal	Single fine	34	19	20	19.5	8	contact	contact
WAM R 60656	ocellifer				juvenile	Vertebral stripe	Spots	Pyramidal	Single fine	34	22	23	22.5	8	contact	contact
WAM R 60659	ocellifer				juvenile	Vertebral stripe	Spots	Pyramidal	Single fine	34	22	22	22	8	contact	contact
WAM R 61252	ocellifer			78	male	Vertebral stripe	Combo	Spiny	Triple fine	38	26	26	26	8	contact	contact
WAM R 61284	ocellifer			97	male	Vertebral stripe	Combo	Spiny	Triple fine	36	27	26	26.5	8	contact	contact
WAM R 70383	calx			106	male	Typical	Spots	Pyramidal	Single fine	37	18	19	18.5	8	contact	contact
WAM R 70418	calx			96	female	Typical	Spots	Smooth	Single broad	37	23	22	22.5	8	contact	contact
WAM R 70522	calx				juvenile	Typical	Spots	Spiny	Single fine	36	21	21	21	8	contact	contact
WAM R 70676	calx			88	female	Typical	Spots	Spiny	Single fine	36	21	21	21	8	contact	contact
WAM R 70998	calx			104	male	Typical	Spots	Smooth	Single broad	36				8	contact	point
WAM R 71859	ocellifer				female	Lines	Lines	Pyramidal	Single fine	34	21	21	21	8	contact	contact
WAM R 71861	ocellifer				female	Lines	Lines	Pyramidal	Single fine	38	20	20	20	8	contact	contact
WAM R 71862	ocellifer				female	Lines	Lines	Pyramidal	Single fine	32	22	20	21	7	contact	contact
WAM R 72269	pantherinus			80	female	Wide border	Lines	Pyramidal	Single fine	34	20	19	19.5	8	contact	contact
WAM R 74388	pantherinus			78	male	Wide border	Combo	Pyramidal	Single fine		20		20	8	contact	contact
WAM R 75422	calx			103	male	Typical	Spots	Smooth	Single broad	38	20	22	21	8	contact	contact
WAM R 75456	calx			111	male	Typical	Spots	Smooth	Single broad	38	21	22	21.5	8	contact	contact
WAM R 75502	calx			106	male	Typical	Spots	Smooth	Single broad	35	23	25	24	8	contact	contact
WAM R 87212	calx			92	male	Typical	Spots	Smooth	Single broad	36	22	21	21.5	8	contact	contact
WAM R 92725	pantherinus				juvenile	Vertebral stripe	Combo	Spiny	Single fine	32	26	26	26	8	contact	contact
WAM R 97157	pantherinus				juvenile	Vertebral stripe	Combo	Spiny	Single fine	32	24	23	23.5	7	contact	point