

Supplementary tables

Title

Shed skin as a source of DNA for genotyping-by-sequencing (GBS) in reptiles

Authors

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Supplementary Table S1. Sample details.

Supplementary Table S2. Distribution of SNPs in the corn snake genome.

Supplementary Table S1. Sample details.

Sample ID	Barcode	Sex	Sample type
PC13	GAATACA	Female	Shed skin
PC22	CGCTGA	Female	Shed skin
PC25	CACCATGAA	Female	Shed skin
PC28	CACATGA	Female	Shed skin
JM37	AAGTCA	Female	Shed skin
JM38	GAACGACCT	Female	Shed skin
PC36	TAGACCA	Female	Shed skin
PC09	TTGCTTCA	Female	Shed skin
PC10	AACT	Female	Shed skin
PC08	CCACG	Female	Shed skin
PC17	TGATCA	Female	Shed skin
PC35	ACCTCATG	Female	Shed skin
JM3	TTCCGCA	Female	Shed skin
PC02	TTCGAACA	Female	Shed skin
PC20	GGTGAGTCT	Female	Shed skin
PC29	ACGAG	Female	Shed skin
PC43	GGAACAAT	Female	Shed skin
PC05	TGTCACA	Female	Shed skin
PC12	GAGAACAT	Female	Shed skin
PC16	AAGATGCA	Female	Shed skin
PC18	AACGAACAT	Female	Shed skin
PC19	ATTG	Female	Shed skin
PC27	CGTGAGGT	Female	Shed skin
PC33	GAGCG	Female	Shed skin
PC41	CAGAT	Female	Shed skin
PC07	TTGCTTACA	Female	Shed skin
PC06	TATAA	Female	Shed skin
JM6	AGTGGCGTT	Female	Shed skin
PC03	GGAACAAGT	Female	Shed skin
PC34	CTGCCA	Female	Shed skin
PC40	GATCCA	Male	Shed skin
JM4	CACTAG	Male	Shed skin
JM8	AGAATCA	Male	Shed skin
PC23	CCAG	Male	Shed skin
PC26	CTTGCAA	Male	Shed skin
PC11	TTGTTCTTA	Male	Shed skin
PC15	GAATACCA	Male	Shed skin
PC39	CTTCTGTA	Male	Shed skin
JM30	CCTGTCA	Male	Shed skin
JM30	TCTAGCA	Male	Shed skin
JM35	ACATCG	Male	Shed skin
JM35	ACATA	Male	Shed skin
JM9	GGTA	Male	Shed skin
PC44	CCAACCTGA	Male	Shed skin

PC14	TCCGACA	Male	Shed skin
PC21	CTTACGCA	Male	Shed skin
PC24	AACCA	Male	Shed skin
PC30	ACTGCA	Male	Shed skin
PC37	ACCGTCCA	Male	Shed skin
PC42	TTGA	Male	Shed skin
JM80	AACGTG	Male	Shed skin
JM81	GGCCTCA	Male	Shed skin
JM82	GCTGGACA	Male	Shed skin
JM83	TAGCGACA	Male	Shed skin
JM84	AGTCG	Male	Shed skin
JM85	GCCAA	Male	Shed skin
PC04	GGACTA	Male	Shed skin
PC31	TTCTA	Male	Shed skin
PC01	GAAGA	Male	Shed skin
PC32	GGATCAA	Male	Shed skin
PC38	TCGCAA	Male	Shed skin
JM1	GTGGCCA	Male	Shed skin
JM112	TTCGCA	Unknown - juvenile	Muscle sample
JM100	CCTAAG	Unknown - juvenile	Muscle sample
JM101	TTACGA	Unknown - juvenile	Muscle sample
JM102	CATCGCA	Unknown - juvenile	Muscle sample
JM104	CCTACACCG	Unknown - juvenile	Muscle sample
JM105	TCTGG	Unknown - juvenile	Muscle sample
JM106	ACCATGACA	Unknown - juvenile	Muscle sample
JM108	GAACAGAAT	Unknown - juvenile	Muscle sample
JM109	CGGT	Unknown - juvenile	Muscle sample
JM110	CGTACA	Unknown - juvenile	Muscle sample
JM111	AACAGAATA	Unknown - juvenile	Muscle sample
JM113	GTTCA	Unknown - juvenile	Muscle sample
JM91	CCACCTCGT	Unknown - juvenile	Muscle sample
JM92	CCATGCCA	Unknown - juvenile	Shed skin
JM94	CTCAG	Unknown - juvenile	Muscle sample
JM96	ACATGCA	Unknown - juvenile	Muscle sample
JM97	TAATG	Unknown - juvenile	Muscle sample
JM98	TGCG	Unknown - juvenile	Muscle sample
JM99	ACCTACCG	Unknown - juvenile	Muscle sample

Supplementary Table S2. Distribution of SNPs in the corn snake genome.

	Chromosome	Number of SNPs	Chromosome length (Mb)	SNP density (SNPs per Mb)	GC%
Macro	1	20070	335.6	59.80	39.21
	2	16490	267.0	61.77	39.64
	3	10794	207.8	51.94	39.12
	4 (Z)	5526	147.6	37.44	40.02
	5	7831	127.0	61.65	39.53
	6	5978	100.9	59.23	39.58
	7	4977	90.3	55.11	40.40
	8	4454	80.3	55.45	40.00
Micro	9	2022	30.9	65.34	42.97
	10	3000	29.8	100.51	44.08
	11	1772	25.7	68.94	42.95
	12	1464	25.5	57.45	43.08
	13	1862	23.3	80.00	43.72
	14	1570	22.2	70.78	44.82
	15	1295	16.4	78.76	45.93
	16	1093	13.4	81.30	46.23
	17	1138	12.3	92.29	47.00
	18	847	9.6	88.55	47.09

Summary statistics:

	SNP density		Mean GC%
	Mean	Median	
All chromosomes	68.13	63.55	42.52
All macrochromosomes	55.30	57.34	39.69
Macrochromosomes (no Z)	57.85	59.23	39.64
Microchromosomes	78.39	79.38	44.79
All autosomes	69.93	65.34	42.67