

SUPPLEMENT 3

to the article “Genetic diversity of horses of the Sargarinsko-Alexeevskaya and Irmen cultures of the Ob-Irtysh region of Western Siberia and their genetic proximity to modern horses of indigenous breeds”

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Statistical data of the results of high-throughput sequencing performed

Sample name	Sample type	Dating of the sample	Number of unique mapped collapsed reads	Mitogenome width of coverage, %	Mitogenome average depth of coverage, X	Ancient library average fragment size, bp	Terminal library fragment deamination, %
BerL-3.2	Sesamoid 1 (Large pastern)	Early Bronze Age	49062	100	293.61	90	20.22
BerL-4	Sesamoid 3 (Outer splint)	Early Bronze Age	1655	97.6	8.48	63	29.05
Chek1-6	Tooth	Developed Bronze Age	12299	100	90.85	92	19.18
Man2-1	Tooth	Early Iron Age	2168	99.8	15.07	99	27.09
Tas-1	Tooth	Bronze Age	32346	99.9	172.25	80	17.80
Bar4-1	Skull fragment (pars petrosa of the temporal bone)	Late Bronze Age	799	96.1	5.03	92	25.31
Gus1-2	Sesamoid 3 (Outer splint)	«—«	3206	98.10	16.53	92	14.10
Gus1-3	Tooth	«—«	25587	99.20	134.23	91	17.54
Gus1-4	Tooth	«—«	40865	99.98	215.60	91	16.29
Gus1-5	Tooth	«—«	45909	99.98	273.16	91	16.88
Gus1-6	Tooth	«—«	6727	99.50	34.41	75	27.08
Kalt5-2	Tooth	«—«	5334	100	35.76	91	21.13
Kalt5-3	Tooth	«—«	16199	99.8	107.21	90	23.72
Chek1-1	Tooth	«—«	1983	97.6	10.16	77	19.65
Chek1-2	Tooth	«—«	3955	99.7	26.12	92	26.00
Chek1-3	Tooth	«—«	1476	99.9	10.42	92	16.32
Chek1-4	Tooth	«—«	4238	99.5	29.35	93	24.99