



GeneSeek Yak DNA Test

Date of Report: May 28, 2020

Animal Name: JUWN Babuk

Animal ID (USYAK Ear Tag#): 18D21

Sample ID: NE00485385

DNA Fingerprint: 16 SNP Identification Code

GCGCWGTRRGYGGYCW

Parentage:

JUWN Babuk qualifies as offspring of the sire HSY Douglas with 0 exclusions out of 91 genotypes checked. JUWN Babuk qualifies as offspring of the dam HSY Brenda with 0 exclusions out of 93 genotypes checked.

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 34

EstimationOfCOI = 0.0634

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 95

CallRate =0.969

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$

$ExpectedHets = 0.3946$

$COI = 1.0 - 34 / (92 * 0.3946)$

$COI = 0.0634$

SNP #	Genotype	24	A/G	48	T/T	72	A/G
1	G/G	25	C/T	49	A/G	73	A/A
2	C/C	26	G/T	50	C/C	74	C/C
3	G/G	27	A/A	51	T/T	75	A/G
4	C/C	28	C/C	52	G/T	76	T/T
5	A/T	29	C/C	53	C/G	77	T/T
6	G/G	30	T/T	54	C/C	78	G/G
7	T/T	31	--	55	C/T	79	T/T
8	A/G	32	C/C	56	C/G	80	C/C
9	A/G	33	A/C	57	C/T	81	G/G
10	G/G	34	G/G	58	C/C	82	C/C
11	C/T	35	--	59	A/T	83	A/G
12	G/G	36	C/C	60	T/T	84	C/C
13	G/G	37	G/G	61	A/A	85	G/T
14	C/T	38	A/G	62	C/C	86	C/G
15	C/C	39	A/A	63	A/G	87	T/T
16	A/T	40	A/A	64	T/T	88	T/T
17	C/C	41	A/A	65	C/T	89	C/C
18	G/T	42	A/G	66	G/T	90	A/G
19	C/C	43	--	67	A/T	91	G/G
20	A/T	44	A/T	68	A/C	92	T/T
21	C/T	45	G/G	69	C/C	93	T/T
22	A/A	46	T/T	70	T/T	94	A/A
23	C/C	47	C/C	71	T/T	95	G/G