



GeneSeek Yak DNA Test

Date of Report: January 12, 2021

Animal Name: SBY Jagger

Animal ID (USYAK Ear Tag#): 20A06

Sample ID: NE02112391

DNA Fingerprint: 16 SNP Identification Code

KCKCWKTA-STSGTYA

Parentage:

SBY Jagger qualifies as offspring of the sire SBR Jeep with 0 exclusions out of 94 genotypes checked. SBY Jagger qualifies as offspring of the dam SBR Trixie with 0 exclusions out of 95 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 40

EstimationOfCOI = -0.1018

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 94

CallRate =0.959

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$
 $ExpectedHets = 0.3946$
 $COI = 1.0 - 40 / (92 * 0.3946)$
 $COI = -0.1018$

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