



GeneSeek Yak DNA Test

Date of Report: January 12, 2021

Animal Name: SBY Townes

Animal ID (USYAK Ear Tag#): 20A09

Sample ID: NE02112396

DNA Fingerprint: 16 SNP Identification Code

TCKCATTARGYGSYYA

Parentage:

SBY Townes qualifies as offspring of the sire SBR Jeep with 0 exclusions out of 95 genotypes checked. SBY Townes qualifies as offspring of the dam SBY Tara with 0 exclusions out of 96 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 23

EstimationOfCOI = 0.3733

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 95

CallRate =0.969

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 23 / (93 * 0.3946)$

$COI = 0.3733$

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