



GeneSeek Yak DNA Test

Date of Report: October 25, 2018

Animal Name: AWY Reba

Animal ID (USYAK Ear Tag#): 13C60

Sample ID: NE00774752

DNA Fingerprint: 16 SNP Identification Code
TKGYA-KARGYSSYYW

Parentage:

The Sire was not reported in the submission. Dam is not
Reported in the submission

Cattle Introgression

CattleAlleles = 2

CattleFraction = 0.011

Coefficient of Inbreeding

No. Heterozygous SNPs = 39

EstimationOfCOI = -0.0514

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 97

CallRate =0.990

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 39 / (94 * 0.3946)$

$COI = -0.0514$

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