



GeneSeek Yak DNA Test

Date of Report: October 25, 2018

Animal Name: TRR-Sadie

Animal ID (USYAK Ear Tag#): 17C53

Sample ID: NE00951965

DNA Fingerprint: 16 SNP Identification Code

GTGCTGTRRGYGSYTW

Parentage:

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

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 38

EstimationOfCOI = -0.0137

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - \text{heterozygoteTotal} / (\text{Nsites} * \text{ExpectedHets})$
 $\text{ExpectedHets} = 0.3946$
 $COI = 1.0 - 38 / (95 * 0.3946)$
 $COI = -0.0137$

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