



GeneSeek Yak DNA Test

Date of Report: July 18, 2018

Animal Name: AWY1763B

Animal ID (USYAK Ear Tag#): 17A54

Sample ID: NE00774743

DNA Fingerprint: 16 SNP Identification Code
GTKCATKRGSCGSYCW

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 = 34

EstimationOfCOI = 0.0834

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 97

CallRate =0.990

CallRateThreshold =0.95

CallRateStatus=Pass

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 34 / (94 * 0.3946)$

$COI = 0.0834$

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