



GeneSeek Yak DNA Test

Date of Report: September 23, 2019

Animal Name: AWY Stan

Animal ID (USYAK Ear Tag#): 19B40

Sample ID: NE01196654

DNA Fingerprint: 16 SNP Identification Code
G-TCWKTAAGYGSTYW

Parentage:

No suggested sires could be verified for this animal.

Cattle Introgression

CattleAlleles = 5

CattleFraction = 0.027

Coefficient of Inbreeding

No. Heterozygous SNPs = 33

EstimationOfCOI = 0.0810

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 94

CallRate =0.959

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$
 $ExpectedHets = 0.3946$
 $COI = 1.0 - 33 / (91 * 0.3946)$
 $COI = 0.0810$

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