



GeneSeek Yak DNA Test

Date of Report: September 12, 2019

Animal Name: AWY Sprig

Animal ID (USYAK Ear Tag#): 19B30

Sample ID: NE01196694

DNA Fingerprint: 16 SNP Identification Code

TSGCWKTRRGCSGYCA

Parentage:

AWY Sprig qualifies as offspring of the sire HSG Yangar with 0 exclusions out of 98 genotypes checked. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 2

CattleFraction = 0.011

Coefficient of Inbreeding

No. Heterozygous SNPs = 35

EstimationOfCOI = 0.0663

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 35 / (95 * 0.3946)$

$COI = 0.0663$

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