



GeneSeek Yak DNA Test

Date of Report: May 6, 2021

Animal Name: AWY Elvira

Animal ID (USYAK Ear Tag#): 20A38

Sample ID: NE02094151

DNA Fingerprint: 16 SNP Identification Code
KYG YARWM-SYGSTYA

Parentage:

AWY Elvira qualifies as offspring of the sire AWY Curly with 0 exclusions out of 86 genotypes checked. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 3

CattleFraction = 0.018

Coefficient of Inbreeding

No. Heterozygous SNPs = 37

EstimationOfCOI = -0.1031

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 85

CallRate =0.977

CallRateThreshold =0.94

CallRateStatus=Pass

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 37 / (85 * 0.3946)$

$COI = -0.1031$

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