



GeneSeek Yak DNA Test

Date of Report: May 6, 2021

Animal Name: HHF7 KATINKA

Animal ID (USYAK Ear Tag#): 16D18

Sample ID: NE01191784

DNA Fingerprint: 16 SNP Identification Code

GCKYAKTR-GTGGTCW

Parentage:

HHF7 KATINKA qualifies as offspring of the sire HSY Barlow with 0 exclusions out of 88 genotypes checked. HHF7 KATINKA qualifies as offspring of the dam HSY Kay with 0 exclusions out of 89 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 37

EstimationOfCOI = -0.0903

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 86

CallRate =0.989

CallRateThreshold =0.94

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 37 / (86 * 0.3946)$

$COI = -0.0903$

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