



GeneSeek Yak DNA Test

Date of Report: May 6, 2021

Animal Name: HSY Lady Bird

Animal ID (USYAK Ear Tag#): 20A32

Sample ID: NE00426013

DNA Fingerprint: 16 SNP Identification Code
TCKYWGTR-GCCGYA

Parentage:

HSY Lady Bird qualifies as offspring of the sire HSY Ambrose with 0 exclusions out of 88 genotypes checked. HSY Lady Bird qualifies as offspring of the dam HSY Brandy with 1 exclusion out of 89 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 33

EstimationOfCOI = 0.0276

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 86

CallRate =0.989

CallRateThreshold =0.94

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 33 / (86 * 0.3946)$

$COI = 0.0276$

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