



GeneSeek Yak DNA Test

Date of Report: January 5, 2020

Animal Name: HSY Mike

Animal ID (USYAK Ear Tag#): 19B91

Sample ID: NE00425981

DNA Fingerprint: 16 SNP Identification Code
GYGYWTTRAGCCSYTW

Parentage:

HSY Mike qualifies as offspring of the sire HSY Barlow with 0 exclusions out of 94 genotypes checked. HSY Mike qualifies as offspring of the dam HSY Mindy with 1 exclusion out of 96 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 34

EstimationOfCOI = 0.0634

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 95

CallRate =0.969

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 34 / (92 * 0.3946)$

$COI = 0.0634$

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