



GeneSeek Yak DNA Test

Date of Report: September 5, 2018

Animal Name: HSY Libbie

Animal ID (USYAK Ear Tag#): 17B95

Sample ID: 9517008906

DNA Fingerprint: 16 SNP Identification Code
KSKTTGTARSYSGTYT

Parentage:

HSY Libbie qualifies as offspring of the sire HSY Olar with 0 exclusions out of 97 genotypes checked. HSY Libbie qualifies as offspring of the dam HSY Louise with 1 exclusion out of 96 genotypes checked.

Cattle Introgression

CattleAlleles = 2

CattleFraction = 0.011

Coefficient of Inbreeding

No. Heterozygous SNPs = 50

EstimationOfCOI = -0.3480

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 97

CallRate =0.990

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 50 / (94 * 0.3946)$

$COI = -0.3480$

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