



GeneSeek Yak DNA Test

Date of Report: September 5, 2018

Animal Name: HSY Amelia

Animal ID (USYAK Ear Tag#): 17B99

Sample ID: 9517008903

DNA Fingerprint: 16 SNP Identification Code

KCGYWTTARGCCGTYT

Parentage:

Insufficient genotype data to confirm or exclude the sire HSY Barlow with 0 genotypes checked (min. 90). HSY Amelia qualifies as offspring of the dam HSY Amy (was LDR T059) with 0 exclusions out of 99 genotypes checked.

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 35

EstimationOfCOI = 0.0663

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 35 / (95 * 0.3946)$

$COI = 0.0663$

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