



GeneSeek Yak DNA Test

Date of Report: July 30, 2018

Animal Name: HSY Ambrose

Animal ID (USYAK Ear Tag#): 13B86

Sample ID: 9517008993

DNA Fingerprint: 16 SNP Identification Code
TCGYTGTAGGCCSTTW

Parentage:

The Sire was not reported in the submission. HSY Ambrose qualifies as offspring of the dam HSY Amy (was LDR T059) with 0 exclusions out of 98 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 34

EstimationOfCOI = 0.0834

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 97

CallRate =0.990

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 34 / (94 * 0.3946)$

$COI = 0.0834$

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