



GeneSeek Yak DNA Test

Date of Report: October 25, 2018

Animal Name: HSY Hattie

Animal ID (USYAK Ear Tag#): 14C42

Sample ID: 9517008955

DNA Fingerprint: 16 SNP Identification Code
GCGYATTRRSTGSYCW

Parentage:

No suggested sires could be verified for this animal.
Insufficient genotype data to confirm or exclude the dam SBR
Hanna with 69 genotypes checked (min. 90).

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 34

EstimationOfCOI = 0.0930

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - \text{heterozygoteTotal} / (\text{Nsites} * \text{ExpectedHets})$
 $\text{ExpectedHets} = 0.3946$
 $COI = 1.0 - 34 / (95 * 0.3946)$
 $COI = 0.0930$

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