



GeneSeek Yak DNA Test

Date of Report: November 21, 2018

Animal Name: HSY Hannah Montana

Animal ID (USYAK Ear Tag#): 08C06

Sample ID: 9517008927

DNA Fingerprint: 16 SNP Identification Code

KYKYTG TAGGTGGTYA

Parentage:

No suggested sires could be verified for this animal. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

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