USYAKS

GeneSeek Yak DNA Test

Date of Report: March 25, 2019
Animal Name: HSY Victor

Animal ID (USYAK Ear Tag#): 18C86

Sample ID: NE00425939

DNA Fingerprint: 16 SNP Identification Code
GTKTATTARSCGGYYA

Parentage:
HSY Victor qualifies as offspring of the sire HSY Yoda with 0 exclusions out of 97 genotypes checked. HSY Victor qualifies as offspring of the dam HSY Verbena with 0 exclusions out of 98 genotypes checked.

Cattle Introgression

CattleAlleles = 3
CattleFraction = 0.016

Coefficient of Inbreeding

No. Heterozygous SNPs = 45
EstimationOfCOI = -0.2004

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 - heterozygoteTotal/(Nsites * ExpectedHets)*
ExpectedHets = 0.3946
*COI = 1.0 - 45/(95 * 0.3946)*
COI = -0.2004

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