



GeneSeek Yak DNA Test

Date of Report: January 5, 2020

Animal Name: DELY Caramel's Prince

Animal ID (USYAK Ear Tag#): 17C81

Sample ID: 81318001414

DNA Fingerprint: 16 SNP Identification Code

GTKYAKTRASCSSYCK

Parentage:

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

Cattle Introgression

CattleAlleles = 5

CattleFraction = 0.027

Coefficient of Inbreeding

No. Heterozygous SNPs = 26

EstimationOfCOI = 0.2838

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 95

CallRate =0.969

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - \text{heterozygoteTotal} / (\text{Nsites} * \text{ExpectedHets})$
 $\text{ExpectedHets} = 0.3946$
 $COI = 1.0 - 26 / (92 * 0.3946)$
 $COI = 0.2838$

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