



GeneSeek Yak DNA Test

Date of Report: November 21, 2018

Animal Name: CBC-Arlo

Animal ID (USYAK Ear Tag#): 17C67

Sample ID: 31318031982

DNA Fingerprint: 16 SNP Identification Code

KKKCRKTM-SCGSTCA

Parentage:

Insufficient genotype data to confirm or exclude the sire
HPY Yogan O025 with 0 genotypes checked (min. 90). Dam is
not Reported in the submission

Cattle Introgression

CattleAlleles = 9

CattleFraction = 0.048

Coefficient of Inbreeding

No. Heterozygous SNPs = 38

EstimationOfCOI = -0.0245

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

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 38 / (94 * 0.3946)$

$COI = -0.0245$

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