



GeneSeek Yak DNA Test

Date of Report: November 21, 2018

Animal Name: CBC Evie

Animal ID (USYAK Ear Tag#): 17C66

Sample ID: 31318031983

DNA Fingerprint: 16 SNP Identification Code

TGGCWKTRGGYGGTTA

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 = 2

CattleFraction = 0.011

Coefficient of Inbreeding

No. Heterozygous SNPs = 31

EstimationOfCOI = 0.1730

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - \text{heterozygoteTotal} / (\text{Nsites} * \text{ExpectedHets})$
 $\text{ExpectedHets} = 0.3946$
 $COI = 1.0 - 31 / (95 * 0.3946)$
 $COI = 0.1730$

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