



GeneSeek Yak DNA Test

Date of Report: July 8, 2021

Animal Name: CBC LITTLE BEAR

Animal ID (USYAK Ear Tag#): 20A59

Sample ID: 2119116064

DNA Fingerprint: 16 SNP Identification Code
KYKCATKA-GYGGTCW

Parentage:

CBC LITTLE BEAR qualifies as offspring of the sire CBC-Shiva with 0 exclusions out of 86 genotypes checked. CBC LITTLE BEAR qualifies as offspring of the dam CBC Blanca with 0 exclusions out of 85 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 31

EstimationOfCOI = 0.0648

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 84

CallRate =0.966

CallRateThreshold =0.94

CallRateStatus=Pass

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$

$ExpectedHets = 0.3946$

$COI = 1.0 - 31 / (84 * 0.3946)$

$COI = 0.0648$

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