



GeneSeek Yak DNA Test

Date of Report: January 5, 2020

Animal Name: CBC Desco

Animal ID (USYAK Ear Tag#): 19B96

Sample ID: 21918009041

DNA Fingerprint: 16 SNP Identification Code
KCKCWGTRAGYGGTYA

Parentage:

CBC Desco qualifies as offspring of the sire CBC-Shiva with 2 exclusions out of 97 genotypes checked. CBC Desco qualifies as offspring of the dam CBC Karma with 0 exclusions out of 96 genotypes checked.

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 34

EstimationOfCOI = 0.0834

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

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$
 $ExpectedHets = 0.3946$
 $COI = 1.0 - 34 / (94 * 0.3946)$
 $COI = 0.0834$

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