



GeneSeek Yak DNA Test

Date of Report: May 6, 2021

Animal Name: CCY Lyla

Animal ID (USYAK Ear Tag#): 20A14

Sample ID: 52919026029

DNA Fingerprint: 16 SNP Identification Code
KTKCWKKG-SYGGTYA

Parentage:

The Sire was not reported in the submission. CCY Lyla qualifies as offspring of the dam CCY Lucy with 0 exclusions out of 87 genotypes checked.

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.006

Coefficient of Inbreeding

No. Heterozygous SNPs = 37

EstimationOfCOI = -0.0903

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 86

CallRate =0.989

CallRateThreshold =0.94

CallRateStatus=Pass

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 37 / (86 * 0.3946)$

$COI = -0.0903$

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