



GeneSeek Yak DNA Test

Date of Report: January 12, 2021

Animal Name: WBF Miley

Animal ID (USYAK Ear Tag#): 20A10

Sample ID: NE00890207

DNA Fingerprint: 16 SNP Identification Code

KYKCATKA-GTGGYYA

Parentage:

WBF Miley qualifies as offspring of the sire SBR Jeep with 1 exclusion out of 86 genotypes checked. WBF Miley qualifies as offspring of the dam PY1 Tralee with 0 exclusions out of 87 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 37

EstimationOfCOI = -0.1163

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 84

CallRate =0.966

CallRateThreshold =0.94

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 37 / (84 * 0.3946)$

$COI = -0.1163$

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