GeneSeek Yak DNA Test

Date of Report: June 21, 2021
Animal Name: PWY Mamma

Animal ID (USYAK Ear Tag#): 07D09

Sample ID: 81318106271

DNA Fingerprint: 16 SNP Identification Code
GTGYAKKA-CYGGYYT

Parentage:
The Sire was not reported in the submission. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 1
CattleFraction = 0.006

Coefficient of Inbreeding

No. Heterozygous SNPs = 28
EstimationOfCOI = 0.1347

Other Features

ATP6 Mitochondrial DNA: G - Cattle
KIT Coat pattern Y - Trim

SAMPLE QUALITY
TotalAssays= 87
TotalCalls= 82
CallRate =0.943
CallRateThreshold =0.94
CallRateStatus=Pass

*COI = 1.0 - heterozygoteTotal/(Nsites * ExpectedHets)*
ExpectedHets = 0.3946
*COI = 1.0 - 28/(82 * 0.3946)*
COI = 0.1347

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