GeneSeek Yak DNA Test

Date of Report: July 18, 2018
Animal Name: ZSY Nu

Animal ID (USYAK Ear Tag#): 17B62

Sample ID: 21918007709

DNA Fingerprint: 16 SNP Identification Code
KYKCAKTRGCYGSYYA

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

Cattle Introgression

CattleAlleles = 1
CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 38
EstimationOfCOI = -0.0245

Other Features

ATP6 Mitochondrial DNA: A - Yak
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 - 38/(94 * 0.3946)*
COI = -0.0245

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