



GeneSeek Yak DNA Test

Date of Report: June 22, 2018

Animal Name: HSG Yinka

Animal ID (USYAK Ear Tag#): 12B09X

Sample ID: NE00782160

DNA Fingerprint: 16 SNP Identification Code
KSGCAKTMGSYSSYCA

Parentage:

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

Cattle Introgression

CattleAlleles = 2

CattleFraction = 0.010526315789473684

Coefficient of Inbreeding

No. Heterozygous SNPs = 39

EstimationOfCOI = -0.0404

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern C - Black

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 39 / (95 * 0.3946)$

$COI = -0.0404$

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