



GeneSeek Yak DNA Test

Date of Report: June 22, 2018

Animal Name: HSG Sienda

Animal ID (USYAK Ear Tag#): 14B17

Sample ID: NE00782164

DNA Fingerprint: 16 SNP Identification Code

GYGCATTMGSTSGCCA

Parentage:

The Sire was not reported in the submission. HSG Sienda qualifies as offspring of the dam HSG Yinka with 0 exclusions out of 98 genotypes checked.

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005319148936170213

Coefficient of Inbreeding

No. Heterozygous SNPs = 41

EstimationOfCOI = -0.1053

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern C - Black

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 97

CallRate =0.990

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$
 $ExpectedHets = 0.3946$
 $COI = 1.0 - 41 / (94 * 0.3946)$
 $COI = -0.1053$

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