



GeneSeek Yak DNA Test

Date of Report: June 22, 2018

Animal Name: YOY POLKA-HONTAS

Animal ID (USYAK Ear Tag#): 16B38

Sample ID: AF00551301

DNA Fingerprint: 16 SNP Identification Code
KYGCTGTRGGYGGTCW

Parentage:

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

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.0

Coefficient of Inbreeding

No. Heterozygous SNPs = 32

EstimationOfCOI = 0.1373

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

$COI = 1.0 - \text{heterozygoteTotal} / (\text{Nsites} * \text{ExpectedHets})$

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 32 / (94 * 0.3946)$

$COI = 0.1373$

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