



GeneSeek Yak DNA Test

Date of Report: October 25, 2018

Animal Name: HSY Durga

Animal ID (USYAK Ear Tag#): 12C45

Sample ID: 9517008958

DNA Fingerprint: 16 SNP Identification Code

KCTYWGTRRGYSSYCA

Parentage:

The Sire was not reported in the submission. HSY Durga qualifies as offspring of the dam HSY Brandy with 1 exclusion out of 100 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 30

EstimationOfCOI = 0.1997

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 30 / (95 * 0.3946)$

$COI = 0.1997$

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