



GeneSeek Yak DNA Test

Date of Report: January 5, 2020

Animal Name: HSY Dunstan

Animal ID (USYAK Ear Tag#): 19B77

Sample ID: NE00426022

DNA Fingerprint: 16 SNP Identification Code

TCKTTGTRAGYSSYYA

Parentage:

HSY Dunstan qualifies as offspring of the sire HSY Ambrose with 1 exclusion out of 96 genotypes checked. HSY Dunstan qualifies as offspring of the dam HSY Durga with 0 exclusions out of 96 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 38

EstimationOfCOI = -0.0245

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern Y - Trim

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	24	G/G	48	G/T	72	A/G
1	T/T	25	C/T	49	A/G	73	A/A
2	C/C	26	T/T	50	C/C	74	C/C
3	G/T	27	A/A	51	T/T	75	A/G
4	T/T	28	C/T	52	G/T	76	T/T
5	T/T	29	C/G	53	C/C	77	C/C
6	G/G	30	C/T	54	C/C	78	C/G
7	T/T	31	--	55	C/T	79	T/T
8	A/G	32	C/C	56	C/G	80	C/T
9	A/A	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	T/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/C	86	G/G
15	C/T	39	A/A	63	A/A	87	G/G
16	A/A	40	A/A	64	G/T	88	T/T
17	C/C	41	A/C	65	T/T	89	C/T
18	G/G	42	A/A	66	G/T	90	A/A
19	C/G	43	T/T	67	A/T	91	G/G
20	A/T	44	A/T	68	A/C	92	T/T
21	T/T	45	G/G	69	C/C	93	G/T
22	A/A	46	C/C	70	C/T	94	G/G
23	C/T	47	C/T	71	T/T	95	A/G