



GeneSeek Yak DNA Test

Date of Report: October 25, 2018

Animal Name: HSY Lady Duncan

Animal ID (USYAK Ear Tag#): 15C44

Sample ID: 9517008957

DNA Fingerprint: 16 SNP Identification Code

KCTYWKTGRSTGGYCA

Parentage:

HSY Lady Duncan qualifies as offspring of the sire HSY Olar with 0 exclusions out of 104 genotypes checked. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 40

EstimationOfCOI = -0.0670

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

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$
 $ExpectedHets = 0.3946$
 $COI = 1.0 - 40 / (95 * 0.3946)$
 $COI = -0.0670$

SNP #	Genotype	24	C/C	48	G/T	72	A/G
1	G/T	25	C/T	49	A/G	73	A/G
2	C/C	26	T/T	50	C/C	74	C/C
3	T/T	27	A/A	51	G/T	75	A/G
4	C/T	28	C/C	52	T/T	76	G/T
5	A/T	29	C/G	53	C/G	77	C/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	G/G	32	C/C	56	C/G	80	C/C
9	A/G	33	A/C	57	C/T	81	G/G
10	C/G	34	G/T	58	C/C	82	C/T
11	T/T	35	C/T	59	A/T	83	A/A
12	G/G	36	C/C	60	C/T	84	C/C
13	G/G	37	C/G	61	A/C	85	G/T
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/G
19	C/C	43	C/T	67	A/A	91	G/G
20	A/A	44	T/T	68	C/C	92	T/T
21	C/T	45	G/G	69	C/C	93	G/G
22	A/A	46	T/T	70	C/T	94	A/G
23	C/T	47	C/C	71	T/T	95	A/A