



GeneSeek Yak DNA Test

Date of Report: September 12, 2019

Animal Name: HSY Eleanor Easter

Animal ID (USYAK Ear Tag#): 17C75

Sample ID: NE00425945

DNA Fingerprint: 16 SNP Identification Code

KCTYWGKA-GYGGTCA

Parentage:

Insufficient genotype data to confirm or exclude the sire
HPY Yogan O025 with 0 genotypes checked (min. 90). Dam is
not Reported in the submission

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 36

EstimationOfCOI = 0.0295

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

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 36 / (94 * 0.3946)$

$COI = 0.0295$

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