



GeneSeek Yak DNA Test

Date of Report: November 21, 2018

Animal Name: HSY Brindle

Animal ID (USYAK Ear Tag#): 18C64

Sample ID: 9517008930

DNA Fingerprint: 16 SNP Identification Code

KCGYWGTRRGCCCTYW

Parentage:

HSY Brindle qualifies as offspring of the sire HSY Ambrose with 0 exclusions out of 97 genotypes checked. HSY Brindle qualifies as offspring of the dam HSY Bryn with 0 exclusions out of 97 genotypes checked.

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 47

EstimationOfCOI = -0.2538

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 47 / (95 * 0.3946)$

$COI = -0.2538$

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