



GeneSeek Yak DNA Test

Date of Report: August 3, 2019

Animal Name: HSG Whitney

Animal ID (USYAK Ear Tag#): 17C73

Sample ID: AF00551354

DNA Fingerprint: 16 SNP Identification Code

GYGYAKTRRGYGSTYA

Parentage:

The Sire was not reported in the submission. Dam is not
Reported in the submission

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 32

EstimationOfCOI = 0.1280

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 96

CallRate =0.980

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - \text{heterozygoteTotal} / (\text{Nsites} * \text{ExpectedHets})$

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 32 / (93 * 0.3946)$

$COI = 0.1280$

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