



GeneSeek Yak DNA Test

Date of Report: July 18, 2018

Animal Name: AWYT094

Animal ID (USYAK Ear Tag#): 13A50

Sample ID: NE00774749

DNA Fingerprint: 16 SNP Identification Code
TCGCATTAGGCGGTTW

Parentage:

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

Cattle Introgression

CattleAlleles = 3

CattleFraction = 0.016

Coefficient of Inbreeding

No. Heterozygous SNPs = 29

EstimationOfCOI = 0.2264

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 29 / (95 * 0.3946)$

$COI = 0.2264$

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