



GeneSeek Yak DNA Test

Date of Report: June 22, 2018

Animal Name: TRY Chestnut

Animal ID (USYAK Ear Tag#): 16B43

Sample ID: AF00598954

DNA Fingerprint: 16 SNP Identification Code
KYGCAGTAGSYSSTYA

Parentage:

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

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.0

Coefficient of Inbreeding

No. Heterozygous SNPs = 38

EstimationOfCOI = -0.0137

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$
 $ExpectedHets = 0.3946$
 $COI = 1.0 - 38 / (95 * 0.3946)$
 $COI = -0.0137$

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