



GeneSeek Yak DNA Test

Date of Report: July 18, 2018

Animal Name: ZSY Kappa

Animal ID (USYAK Ear Tag#): 17B64

Sample ID: 21918007717

DNA Fingerprint: 16 SNP Identification Code

KYGCAGTAGSYGSTYA

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 = 38

EstimationOfCOI = -0.0355

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 96

CallRate =0.980

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 38 / (93 * 0.3946)$

$COI = -0.0355$

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