



GeneSeek Yak DNA Test

Date of Report: July 18, 2018

Animal Name: ZSY Phi

Animal ID (USYAK Ear Tag#): 17B60

Sample ID: 21918007713

DNA Fingerprint: 16 SNP Identification Code
GYGYWG TAGSYG SYCW

Parentage:

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

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 35

EstimationOfCOI = 0.0663

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

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 35 / (95 * 0.3946)$

$COI = 0.0663$

SNP #	Genotype	24	C/C	48	G/T	72	G/G
1	G/G	25	C/C	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/T	28	C/C	52	G/G	76	T/T
5	A/T	29	C/C	53	C/C	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/C
9	G/G	33	A/C	57	C/C	81	G/G
10	C/G	34	G/T	58	C/T	82	C/T
11	C/T	35	T/T	59	A/T	83	A/A
12	G/G	36	C/C	60	C/C	84	C/T
13	C/G	37	G/G	61	A/A	85	G/G
14	C/T	38	T/G	62	C/C	86	C/G
15	C/C	39	A/A	63	A/A	87	G/T
16	A/T	40	A/A	64	T/T	88	C/T
17	C/C	41	A/A	65	C/T	89	C/T
18	G/T	42	A/A	66	G/G	90	A/A
19	C/C	43	T/T	67	T/T	91	G/G
20	A/T	44	T/T	68	A/C	92	G/T
21	C/T	45	A/A	69	C/C	93	T/T
22	A/T	46	T/T	70	C/T	94	A/A
23	C/T	47	C/C	71	G/G	95	A/G