



GeneSeek Yak DNA Test

Date of Report: July 18, 2018

Animal Name: ZSY Pi

Animal ID (USYAK Ear Tag#): 17B61

Sample ID: 21918007718

DNA Fingerprint: 16 SNP Identification Code
KCGCAKKRGCYGCTTA

Parentage:

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

Cattle Introgression

CattleAlleles = 2

CattleFraction = 0.011

Coefficient of Inbreeding

No. Heterozygous SNPs = 32

EstimationOfCOI = 0.1280

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern C - Solid

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