



GeneSeek Yak DNA Test

Date of Report: July 18, 2018

Animal Name: ZSY Blanc

Animal ID (USYAK Ear Tag#): 17B57

Sample ID: 21918007710

DNA Fingerprint: 16 SNP Identification Code
GTGYWGTARSCSGTTT

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 = 32

EstimationOfCOI = 0.1185

Other Features

ATP6 Mitochondrial DNA: A - Yak

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 95

CallRate =0.969

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 32 / (92 * 0.3946)$

$COI = 0.1185$

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