



GeneSeek Yak DNA Test

Date of Report: November 23, 2019

Animal Name: ZSY Mohair Sam

Animal ID (USYAK Ear Tag#): 18D09

Sample ID: 21918007791

DNA Fingerprint: 16 SNP Identification Code

KYGYATTR-SCCSYCA

Parentage:

ZSY Mohair Sam qualifies as offspring of the sire FW Rocket with 0 exclusions out of 89 genotypes checked. ZSY Mohair Sam qualifies as offspring of the dam ZSY Latifah with 0 exclusions out of 89 genotypes checked.

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.006

Coefficient of Inbreeding

No. Heterozygous SNPs = 32

EstimationOfCOI = 0.0570

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 86

CallRate =0.989

CallRateThreshold =0.94

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 32 / (86 * 0.3946)$

$COI = 0.0570$

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