



GeneSeek Yak DNA Test

Date of Report: May 2, 2019

Animal Name: DELY Golden Royal Stud

Animal ID (USYAK Ear Tag#): 05A06

Sample ID: 21918041931

DNA Fingerprint: 16 SNP Identification Code
KTKCWTTR-SCSSTTW

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 = 34

EstimationOfCOI = 0.0735

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 96

CallRate =0.980

CallRateThreshold =0.95

CallRateStatus=Pass

$COI = 1.0 - heterozygoteTotal / (Nsites * ExpectedHets)$
 $ExpectedHets = 0.3946$
 $COI = 1.0 - 34 / (93 * 0.3946)$
 $COI = 0.0735$

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