



GeneSeek Yak DNA Test

Date of Report: January 5, 2020

Animal Name: DELY Golden Royal Gorgeous

Animal ID (USYAK Ear Tag#): 18D18

Sample ID: 81318001409

DNA Fingerprint: 16 SNP Identification Code
KTGCATKRASYGSYCW

Parentage:

DELY Golden Royal Gorgeous qualifies as offspring of the sire DELY Whiteys Hidden Gold with 1 exclusion out of 94 genotypes checked. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 0

CattleFraction = 0.000

Coefficient of Inbreeding

No. Heterozygous SNPs = 38

EstimationOfCOI = -0.0355

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

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 38 / (93 * 0.3946)$

$COI = -0.0355$

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