



GeneSeek Yak DNA Test

Date of Report: January 5, 2020

Animal Name: DELY Golden Royal Whiteface

Animal ID (USYAK Ear Tag#): 18D19

Sample ID: 81318001408

DNA Fingerprint: 16 SNP Identification Code
GTKCWKKAAGTGGTYW

Parentage:

DELY Golden Royal Whiteface qualifies as offspring of the sire DELY Whiteys Hidden Gold with 1 exclusion out of 93 genotypes checked. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 38

EstimationOfCOI = -0.0467

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 95

CallRate =0.969

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 38 / (92 * 0.3946)$

$COI = -0.0467$

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