



GeneSeek Yak DNA Test

Date of Report: January 5, 2020

Animal Name: DELY Golden 3 Whitey

Animal ID (USYAK Ear Tag#): 18D17

Sample ID: 81318001413

DNA Fingerprint: 16 SNP Identification Code

GTGCATGA-GCGSYCT

Parentage:

DELY Golden 3 Whitey qualifies as offspring of the sire DELY Whiteys Hidden Gold with 0 exclusions 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 = 28

EstimationOfCOI = 0.2370

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

$COI = 1.0 - \text{heterozygoteTotal} / (\text{Nsites} * \text{ExpectedHets})$

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 28 / (93 * 0.3946)$

$COI = 0.2370$

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