



GeneSeek Yak DNA Test

Date of Report: October 2, 2018

Animal Name: AWY Norm

Animal ID (USYAK Ear Tag#): 18B70

Sample ID: NE00950053

DNA Fingerprint: 16 SNP Identification Code

GCKSATTAGGCSSYCW

Parentage:

AWY Norm qualifies as offspring of the sire PY1 Pistol Pete with 0 exclusions out of 97 genotypes checked. AWY Norm qualifies as offspring of the dam AWY Deley with 0 exclusions out of 95 genotypes checked.

Cattle Introgression

CattleAlleles = 4

CattleFraction = 0.021

Coefficient of Inbreeding

No. Heterozygous SNPs = 30

EstimationOfCOI = 0.1912

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 97

CallRate =0.990

CallRateThreshold =0.95

CallRateStatus=Pass

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 30 / (94 * 0.3946)$

$COI = 0.1912$

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