



GeneSeek Yak DNA Test

Date of Report: October 2, 2018

Animal Name: AWY Thunder

Animal ID (USYAK Ear Tag#): 18B65X

Sample ID: NE00774757

DNA Fingerprint: 16 SNP Identification Code

RKKCRRWMGCYSSTYA

Parentage:

AWY Thunder qualifies as offspring of the sire AWY Curly with 0 exclusions out of 94 genotypes checked. AWY Thunder qualifies as offspring of the dam AWY Misty with 1 exclusion out of 97 genotypes checked.

Cattle Introgression

CattleAlleles = 23

CattleFraction = 0.122

Coefficient of Inbreeding

No. Heterozygous SNPs = 50

EstimationOfCOI = -0.3480

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

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 50 / (94 * 0.3946)$

$COI = -0.3480$

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