



GeneSeek Yak DNA Test

Date of Report: December 10, 2019

Animal Name: JUWN Rambo

Animal ID (USYAK Ear Tag#): 18D14

Sample ID: NE01210813

DNA Fingerprint: 16 SNP Identification Code
KSGCTGKAGGCSGYCA

Parentage:

JUWN Rambo qualifies as offspring of the sire HSY Douglas with 0 exclusions out of 93 genotypes checked. JUWN Rambo qualifies as offspring of the dam HSY Charlie with 0 exclusions out of 95 genotypes checked.

Cattle Introgression

CattleAlleles = 1

CattleFraction = 0.005

Coefficient of Inbreeding

No. Heterozygous SNPs = 38

EstimationOfCOI = -0.0582

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 94

CallRate =0.959

CallRateThreshold =0.95

CallRateStatus=Pass

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 38 / (91 * 0.3946)$

$COI = -0.0582$

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