



GeneSeek Yak DNA Test

Date of Report: October 9, 2018

Animal Name: SCR-Bentley

Animal ID (USYAK Ear Tag#): 18B90

Sample ID: 21918041905

DNA Fingerprint: 16 SNP Identification Code
KTKCWKTRRGYGGYCW

Parentage:

SCR-Bentley qualifies as offspring of the sire SBR Parker B030 with 0 exclusions out of 95 genotypes checked. Dam is not Reported in the submission

Cattle Introgression

CattleAlleles = 4

CattleFraction = 0.022

Coefficient of Inbreeding

No. Heterozygous SNPs = 47

EstimationOfCOI = -0.2947

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

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 47 / (92 * 0.3946)$

$COI = -0.2947$

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