



GeneSeek Yak DNA Test

Date of Report: October 25, 2018

Animal Name: TRR-Chewbacca

Animal ID (USYAK Ear Tag#): 12C57

Sample ID: NE00951961

DNA Fingerprint: 16 SNP Identification Code
GYKKTGKRRGTGSTYT

Parentage:

The Sire was not reported in the submission. Dam is not
Reported in the submission

Cattle Introgression

CattleAlleles = 2

CattleFraction = 0.011

Coefficient of Inbreeding

No. Heterozygous SNPs = 40

EstimationOfCOI = -0.0670

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern C - Solid

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 40 / (95 * 0.3946)$

$COI = -0.0670$

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