



GeneSeek Yak DNA Test

Date of Report: May 28, 2020

Animal Name: OHY Himalya

Animal ID (USYAK Ear Tag#): 18C96X

Sample ID: AF00793413

DNA Fingerprint: 16 SNP Identification Code

GYGYWKTR-RYGSTTW

Parentage:

OHY Himalya qualifies as offspring of the sire HSG Yangar with 0 exclusions out of 96 genotypes checked. OHY Himalya qualifies as offspring of the dam HSG Nima with 0 exclusions out of 97 genotypes checked.

Cattle Introgression

CattleAlleles = 21

CattleFraction = 0.113

Coefficient of Inbreeding

No. Heterozygous SNPs = 53

EstimationOfCOI = -0.4442

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern Y - Trim

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 96

CallRate =0.980

CallRateThreshold =0.95

CallRateStatus=Pass

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

$\text{ExpectedHets} = 0.3946$

$COI = 1.0 - 53 / (93 * 0.3946)$

$COI = -0.4442$

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