



GeneSeek Yak DNA Test

Date of Report: June 21, 2021

Animal Name: GPR Wagu

Animal ID (USYAK Ear Tag#): 20A53

Sample ID: AF01684983

DNA Fingerprint: 16 SNP Identification Code
KTGCWKTA-GTGGCCT

Parentage:

GPR Wagu qualifies as offspring of the sire GPR Rigal with 2 exclusions out of 85 genotypes checked. GPR Wagu qualifies as offspring of the dam SCR Jita with 1 exclusion out of 84 genotypes checked.

Cattle Introgression

CattleAlleles = 2

CattleFraction = 0.012

Coefficient of Inbreeding

No. Heterozygous SNPs = 30

EstimationOfCOI = 0.0840

Other Features

ATP6 Mitochondrial DNA: G - Cattle

KIT Coat pattern T - Royal

SAMPLE QUALITY

TotalAssays= 87

TotalCalls= 83

CallRate =0.954

CallRateThreshold =0.94

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 30 / (83 * 0.3946)$

$COI = 0.0840$

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