

GeneSeek Yak Parentage and Cattle Introgression Test

Identification

Animal Name: HSG Vinnie

Sample ID:

16 SNP Identification Code GYGYKGTAGGYSGYYW

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

Cattle Introgression

CattleAlleles =1

AncestralYakAlleles =104

RecentYakAlleles =81

CattleFraction =0.005376344086021506



Coefficient of Inbreeding

No. Heterozygous SNPs = 35

EstimationOfCOI =0.0463

Other Features

Mitochondrial DNA G - Cattle

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 96

CallRate =0.980

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 35 / (93 * 0.3946)$

$COI = 0.0463$

#	SNP_ID	Genotype	32 Bg_Bt_UMD3_chr7:59924729	C/C	64 Bg_Bt_UMD3_chr16:17627607	G/G
1	Bg_Bt_UMD3_chr1:11611152	G/G	33 Bg_Bt_UMD3_chr7:61603492	A/A	65 Bg_Bt_UMD3_chr16:27346407	T/T
2	Bg_Bt_UMD3_chr1:19603843	C/T	34 Bg_Bt_UMD3_chr7:106143569	T/T	66 Bg_Bt_UMD3_chr16:37235898	T/T
3	Bg_Bt_UMD3_chr1:106754991	G/G	35 Bg_Bt_UMD3_chr8:35799123	C/C	67 Bg_Bt_UMD3_chr17:6749112	T/T
4	Bg_Bt_UMD3_chr1:154872834	C/T	36 Bg_Bt_UMD3_chr8:103151793	C/C	68 Bg_Bt_UMD3_chr17:31022749	A/A
5	Bg_Bt_UMD3_chr2:35754741	G/T	37 Bg_Bt_UMD3_chr8:105594647	--	69 Bg_Bt_UMD3_chr17:48657788	C/C
6	Bg_Bt_UMD3_chr2:51851787	G/G	38 Bg_Bt_UMD3_chr9:8416809	A/G	70 Bg_Bt_UMD3_chr17:50526845	C/T
7	Bg_Bt_UMD3_chr2:73562811	T/T	39 Bg_Bt_UMD3_chr9:36039743	A/A	71 Bg_Bt_UMD3_chr17:73228099	G/G
8	Bg_Bt_UMD3_chr2:108669950	A/A	40 Bg_Bt_UMD3_chr9:96035965	A/A	72 Bg_Bt_UMD3_chr18:22272606	G/G
9	Bg_Bt_UMD3_chr2:135821825	G/G	41 Bg_Bt_UMD3_chr9:97200189	A/A	73 Bg_Bt_UMD3_chr18:31899459	A/A
10	Bg_Bt_UMD3_chr3:16782467	G/G	42 Bg_Bt_UMD3_chr10:13448721	A/G	74 Bg_Bt_UMD3_chr19:53556396	A/C
11	Bg_Bt_UMD3_chr3:31884274	C/T	43 Bg_Bt_UMD3_chr10:72325948	C/C	75 Bg_Bt_UMD3_chr19:63181970	A/G
12	Bg_Bt_UMD3_chr3:32162241	C/G	44 Bg_Bt_UMD3_chr10:101587185	T/T	76 Bg_Bt_UMD3_chr20:6979616	G/T
13	Bg_Bt_UMD3_chr3:55871907	G/G	45 Bg_Bt_UMD3_chr11:10319205	A/G	77 Bg_Bt_UMD3_chr20:22394132	C/C
14	Bg_Bt_UMD3_chr3:60501892	C/T	46 Bg_Bt_UMD3_chr11:34588924	T/T	78 Bg_Bt_UMD3_chr20:52343058	C/G
15	Bg_Bt_UMD3_chr3:72881652	C/T	47 Bg_Bt_UMD3_chr11:42099862	C/C	79 Bg_Bt_UMD3_chr21:8541469	T/T
16	Bg_Bt_UMD3_chr3:88807660	A/T	48 Bg_Bt_UMD3_chr11:75398487	G/T	80 Bg_Bt_UMD3_chr21:35371951	C/C
17	Bg_Bt_UMD3_chr4:6749340	C/C	49 Bg_Bt_UMD3_chr11:83618697	A/A	81 Bg_Bt_UMD3_chr22:3842135	G/G
18	Bg_Bt_UMD3_chr4:31218839	G/T	50 Bg_Bt_UMD3_chr12:16628394	C/C	82 Bg_Bt_UMD3_chr22:21618015	C/T
19	Bg_Bt_UMD3_chr4:59985637	C/C	51 Bg_Bt_UMD3_chr12:38918421	T/T	83 Bg_Bt_UMD3_chr22:40850741	A/A
20	Bg_Bt_UMD3_chr4:68609356	A/A	52 Bg_Bt_UMD3_chr12:65478052	T/T	84 Bg_Bt_UMD3_chr22:48005412	T/T
21	Bg_Bt_UMD3_chr4:97170995	C/C	53 Bg_Bt_UMD3_chr13:14128040	--	85 Bg_Bt_UMD3_chr24:62505702	G/T
22	Bg_Bt_UMD3_chr5:72886737	A/A	54 Bg_Bt_UMD3_chr13:16431857	C/C	86 Bg_Bt_UMD3_chr25:158052	G/G
23	Bg_Bt_UMD3_chr5:100853172	C/T	55 Bg_Bt_UMD3_chr13:36437915	C/T	87 Bg_Bt_UMD3_chr25:42661806	G/T
24	Bg_Bt_UMD3_chr5:119385958	C/G	56 Bg_Bt_UMD3_chr14:3368905	C/G	88 Bg_Bt_UMD3_chr26:10857224	T/T
25	Bg_Bt_UMD3_chr6:2829446	C/T	57 Bg_Bt_UMD3_chr14:20015146	C/C	89 Bg_Bt_UMD3_chr26:12336398	C/T
26	Bg_Bt_UMD3_chr6:35088167	G/T	58 Bg_Bt_UMD3_chr14:35695388	C/C	90 Bg_Bt_UMD3_chr27:13550559	G/G
27	Bg_Bt_UMD3_chr6:52296470	A/G	59 Bg_Bt_UMD3_chr14:51388662	T/T	91 Bg_Bt_UMD3_chr27:16057108	G/G
28	Bg_Bt_UMD3_chr6:66063680	T/T	60 Bg_Bt_UMD3_chr15:1612812	C/C	92 Bg_Bt_UMD3_chr28:5406231	G/T
29	Bg_Bt_UMD3_chr7:2908163	C/C	61 Bg_Bt_UMD3_chr15:24038406	A/C	93 Bg_Bt_UMD3_chr28:18571823	G/T
30	Bg_Bt_UMD3_chr7:18126486	C/T	62 Bg_Bt_UMD3_chr15:31899012	C/C	94 Bg_Bt_UMD3_chr29:16271334	A/G
31	Bg_Bt_UMD3_chr7:49998354	G/G	63 Bg_Bt_UMD3_chr15:39249514	G/G	95 Bg_Bt_UMD3_chr29:21414616	A/G