

GeneSeek Yak Parentage and Cattle Introgression Test

Identification

Animal Name: AWY Irma

Sample ID:

16 SNP Identification Code KYGCWKTAGRCGGYSK

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

Cattle Introgression

CattleAlleles =30

AncestralYakAlleles =89

RecentYakAlleles =69

CattleFraction =0.1595744680851064



Coefficient of Inbreeding

No. Heterozygous SNPs = 56

EstimationOfCOI =-0.5097

Other Features

Mitochondrial DNA G - Cattle

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 97

CallRate =0.990

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 56 / (94 * 0.3946)$

$COI = -0.5097$

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