

GeneSeek Yak Parentage and Cattle Introgression Test

Identification

Animal Name: ZSY Re'em's Comet

Sample ID:

16 SNP Identification Code GTGYWKTAGGCSSTYW

ZSY Re'em's Comet qualifies as an offspring of SIRE TRY
Kodiak

(1 Exclusions out of 97 genotypes checked) Dam is LDR Re'em
(0 Exclusions out of 96 genotypes checked)

Cattle Introgression

CattleAlleles =0

AncestralYakAlleles =107

RecentYakAlleles =83

CattleFraction =0.0

The logo for USYAKS, with 'US' in blue and 'YAKS' in red, all in a bold, sans-serif font.

Coefficient of Inbreeding

No. Heterozygous SNPs = 33

EstimationOfCOI =0.1197

Other Features

Mitochondrial DNA A - Yak

SAMPLE QUALITY

TotalAssays= 98

TotalCalls= 98

CallRate =1.000

CallRateThreshold =0.95

CallRateStatus=Pass

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

$ExpectedHets = 0.3946$

$COI = 1.0 - 33 / (95 * 0.3946)$

$COI = 0.1197$

#	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	C/T
2	Bg_Bt_UMD3_chr1:19603843	T/T	34 Bg_Bt_UMD3_chr7:106143569	G/G	66 Bg_Bt_UMD3_chr16:37235898	G/T
3	Bg_Bt_UMD3_chr1:106754991	G/G	35 Bg_Bt_UMD3_chr8:35799123	C/C	67 Bg_Bt_UMD3_chr17:6749112	A/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	A/T	37 Bg_Bt_UMD3_chr8:105594647	G/G	69 Bg_Bt_UMD3_chr17:48657788	C/C
6	Bg_Bt_UMD3_chr2:51851787	G/T	38 Bg_Bt_UMD3_chr9:8416809	A/G	70 Bg_Bt_UMD3_chr17:50526845	C/C
7	Bg_Bt_UMD3_chr2:73562811	T/T	39 Bg_Bt_UMD3_chr9:36039743	A/A	71 Bg_Bt_UMD3_chr17:73228099	G/T
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/C	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	C/C
11	Bg_Bt_UMD3_chr3:31884274	C/C	43 Bg_Bt_UMD3_chr10:72325948	T/T	75 Bg_Bt_UMD3_chr19:63181970	A/A
12	Bg_Bt_UMD3_chr3:32162241	C/G	44 Bg_Bt_UMD3_chr10:101587185	A/A	76 Bg_Bt_UMD3_chr20:6979616	T/T
13	Bg_Bt_UMD3_chr3:55871907	C/G	45 Bg_Bt_UMD3_chr11:10319205	A/G	77 Bg_Bt_UMD3_chr20:22394132	C/T
14	Bg_Bt_UMD3_chr3:60501892	T/T	46 Bg_Bt_UMD3_chr11:34588924	T/T	78 Bg_Bt_UMD3_chr20:52343058	C/C
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/G	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	T/T	52 Bg_Bt_UMD3_chr12:65478052	G/T	84 Bg_Bt_UMD3_chr22:48005412	C/T
21	Bg_Bt_UMD3_chr4:97170995	C/T	53 Bg_Bt_UMD3_chr13:14128040	C/C	85 Bg_Bt_UMD3_chr24:62505702	G/G
22	Bg_Bt_UMD3_chr5:72886737	A/T	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/C	57 Bg_Bt_UMD3_chr14:20015146	C/T	89 Bg_Bt_UMD3_chr26:12336398	T/T
26	Bg_Bt_UMD3_chr6:35088167	G/G	58 Bg_Bt_UMD3_chr14:35695388	C/C	90 Bg_Bt_UMD3_chr27:13550559	A/G
27	Bg_Bt_UMD3_chr6:52296470	A/A	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/G	61 Bg_Bt_UMD3_chr15:24038406	C/C	93 Bg_Bt_UMD3_chr28:18571823	T/T
30	Bg_Bt_UMD3_chr7:18126486	T/T	62 Bg_Bt_UMD3_chr15:31899012	C/G	94 Bg_Bt_UMD3_chr29:16271334	A/A
31	Bg_Bt_UMD3_chr7:49998354	G/G	63 Bg_Bt_UMD3_chr15:39249514	A/G	95 Bg_Bt_UMD3_chr29:21414616	G/G