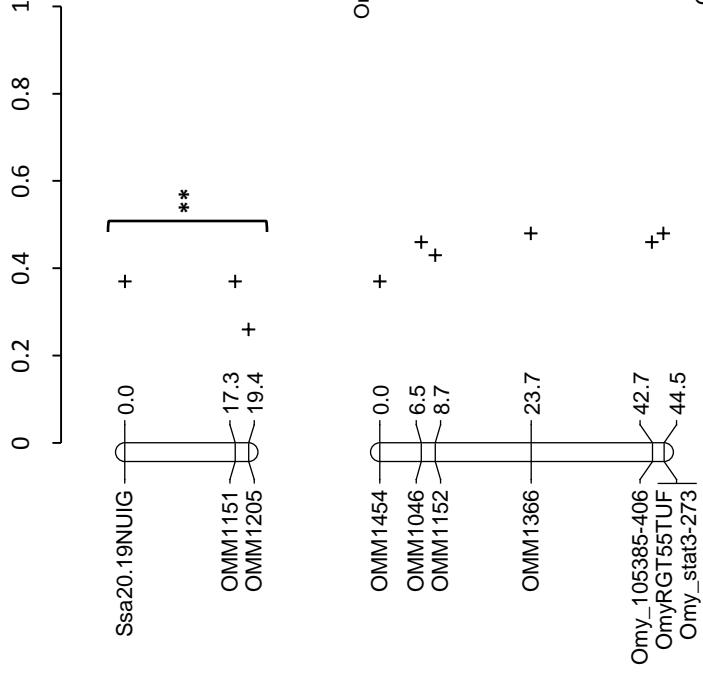


Additional file 2. Parent-specific F_1 hybrid linkage maps in p to q orientation and Yellowstone cutthroat trout (YCT) allele frequencies. Map distances (cM) represent the recombination fraction (theta) between loci. A 25 cM sliding window was used to identify blocks of loci containing YCT allele frequencies that deviated significantly from expected frequencies. Yellowstone cutthroat trout allele frequencies are plotted for each locus mapped within linkage groups. * indicates $P < 0.05$ and ** indicates $P < 0.01$.

RYHyb01

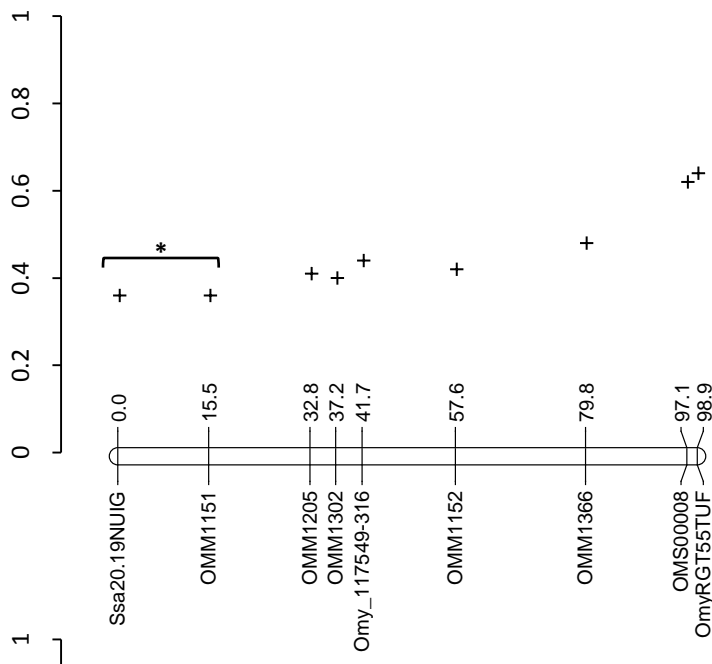
Female 1

YCT allele frequency



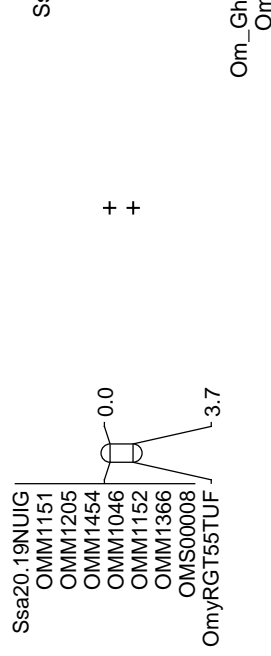
Female 2

YCT allele frequency



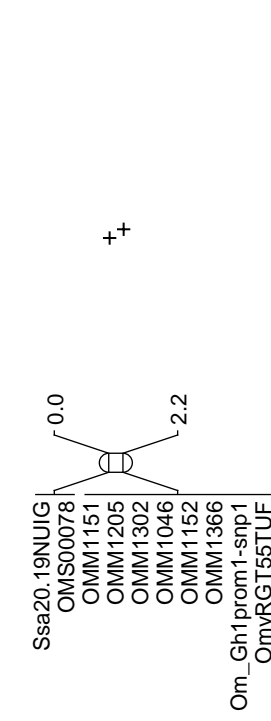
Male 1

YCT allele frequency



Male 2

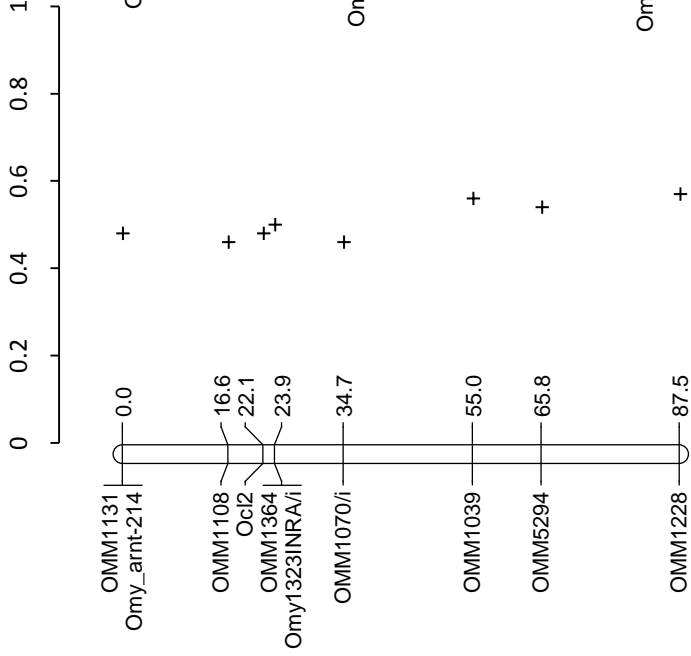
YCT allele frequency



RYHyb02

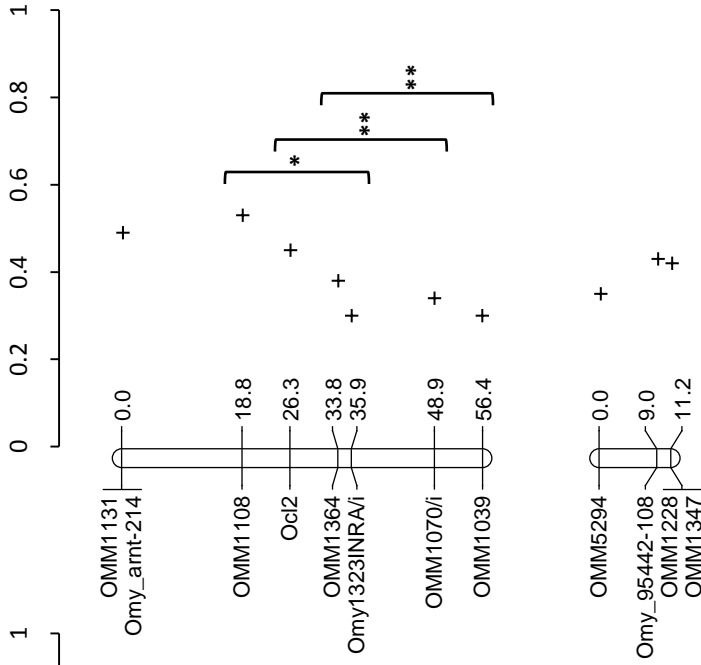
Female 1

YCT allele frequency

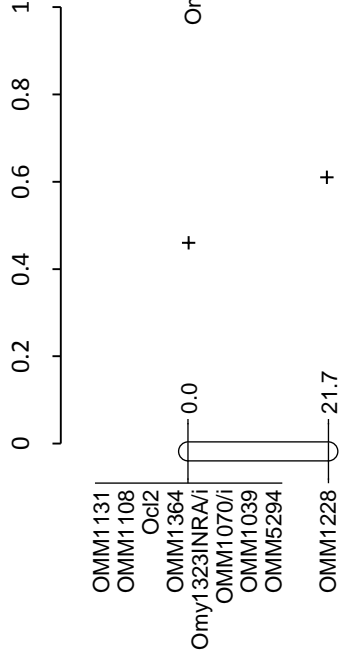


Female 2

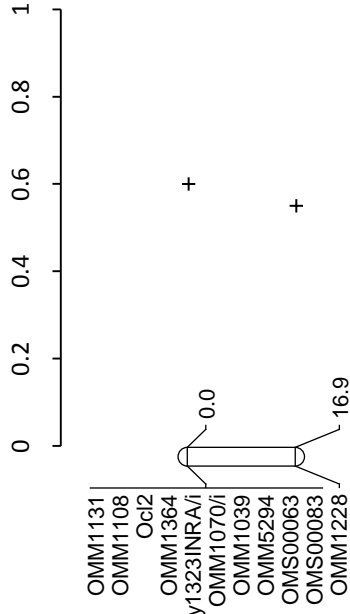
YCT allele frequency



Male 1



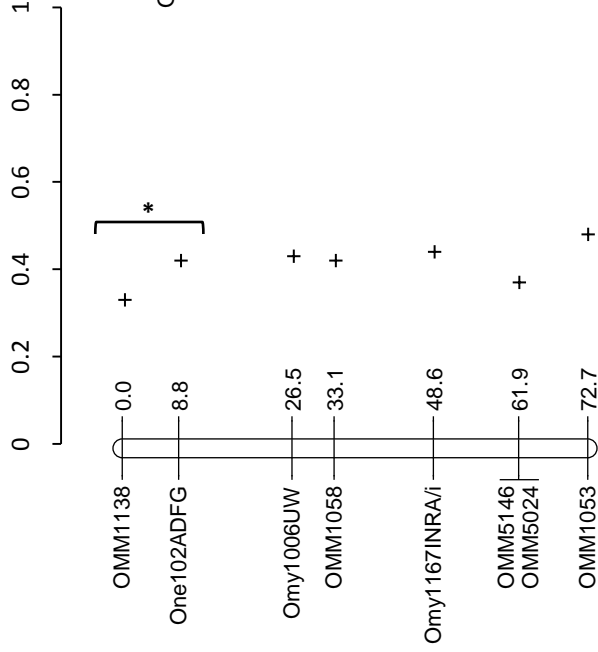
Male 2



RYHyb03

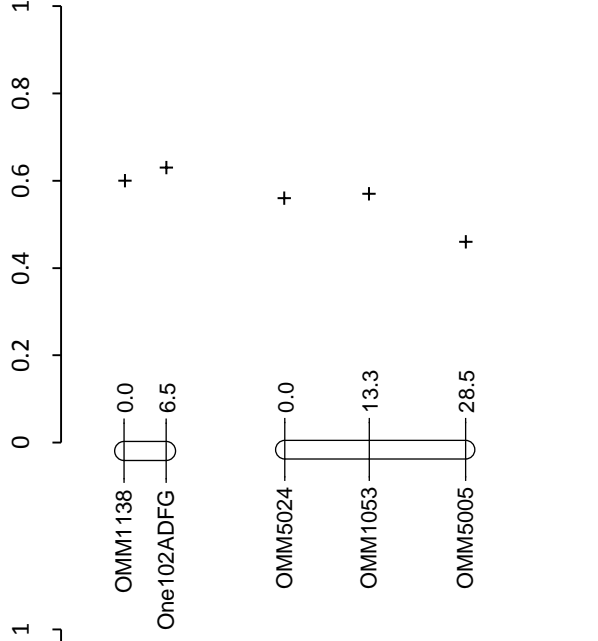
Female 1

YCT allele frequency



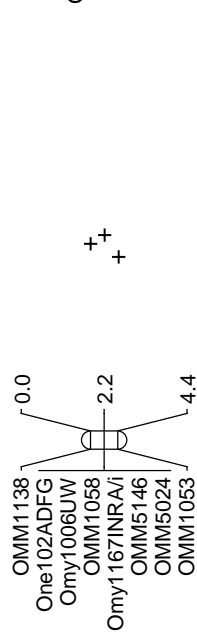
Female 2

YCT allele frequency



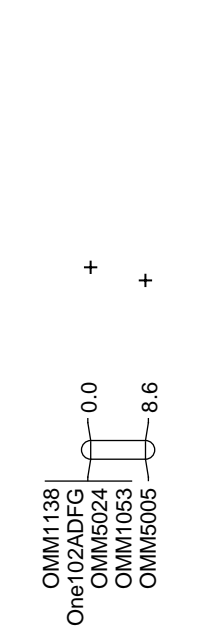
Male 1

YCT allele frequency



Male 2

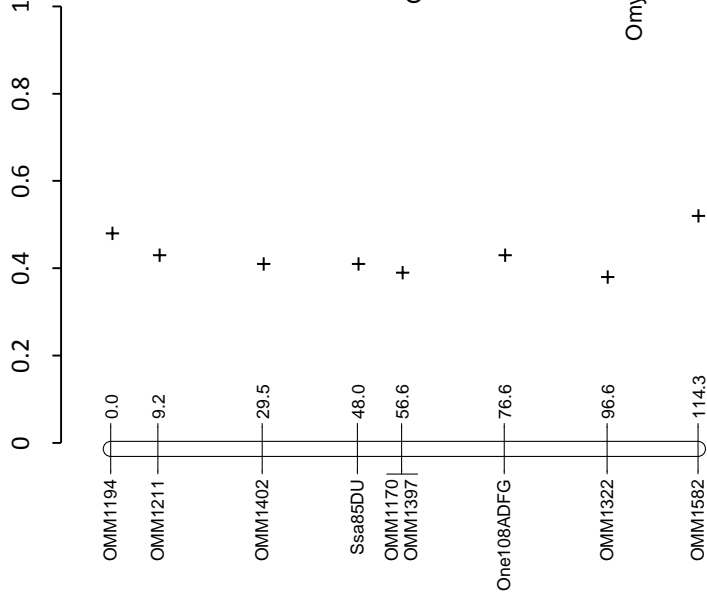
YCT allele frequency



RYHyb04

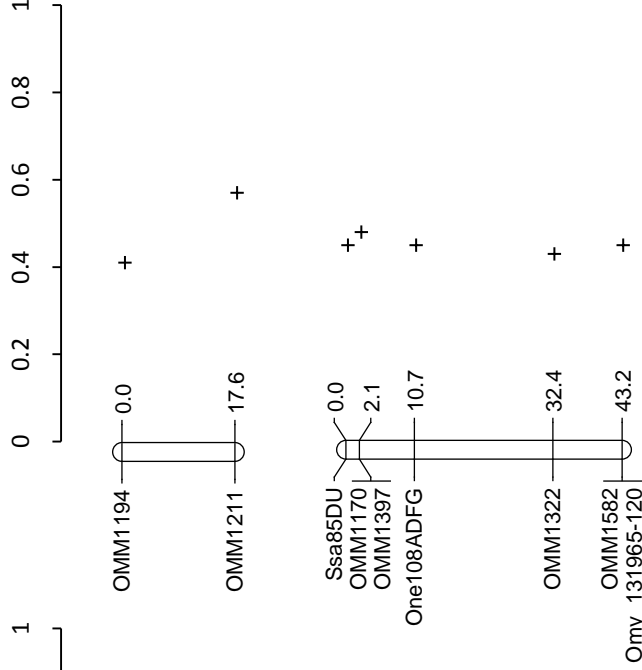
Female 1

YCT allele frequency

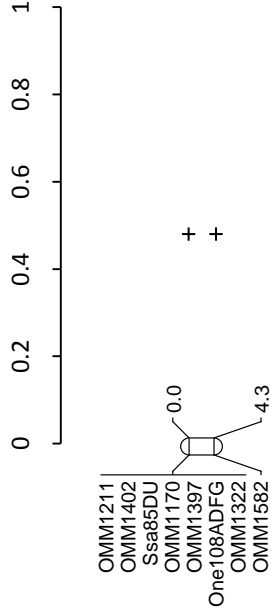


Female 2

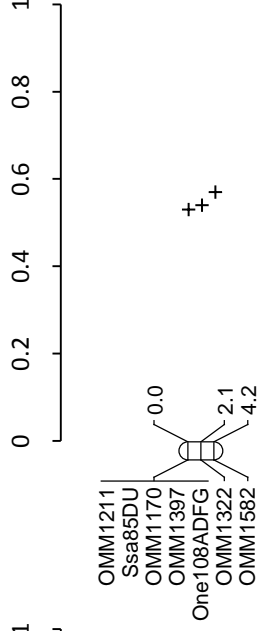
YCT allele frequency



M1le 3



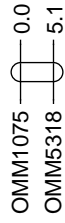
Male 2



RYHyb05

Female 1

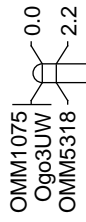
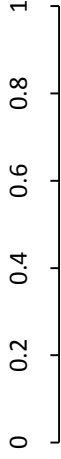
YCT allele frequency



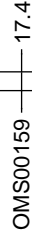
+ +

Female 2

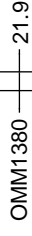
YCT allele frequency



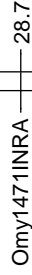
+ +



+



+



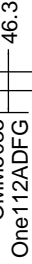
+



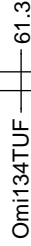
+



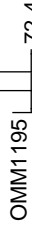
+



+

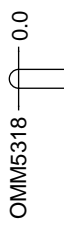
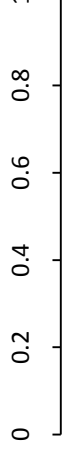


+

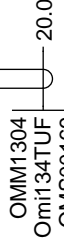


+

Male 1

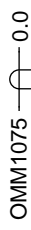
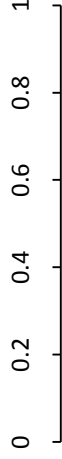


+

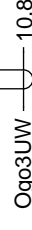


+

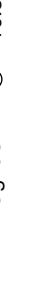
Male 2



+



+



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+



+

+

+

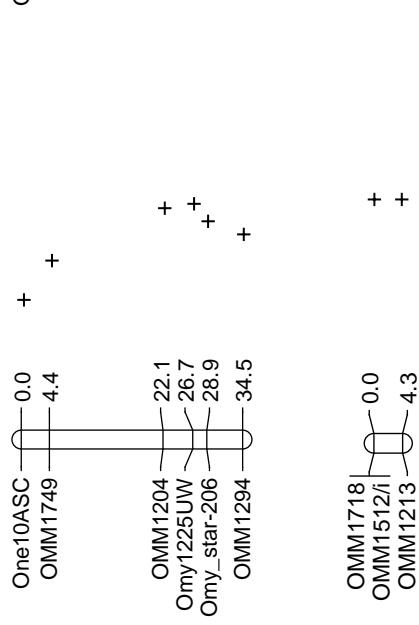
*

**

RYHyb06

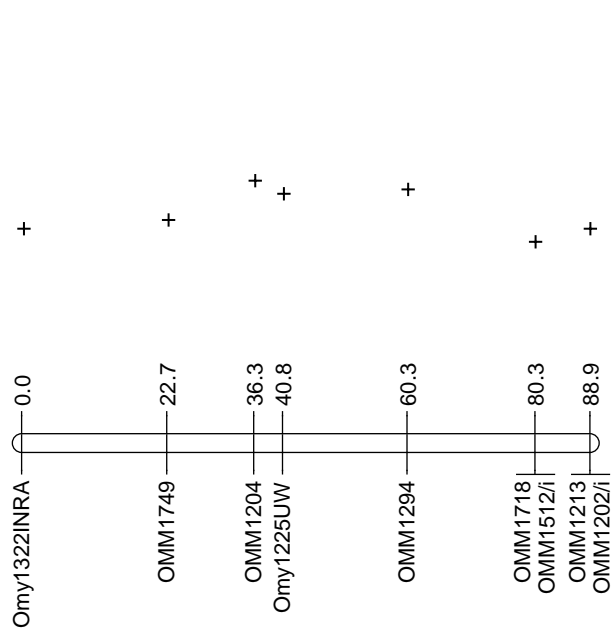
Female 1

YCT allele frequency

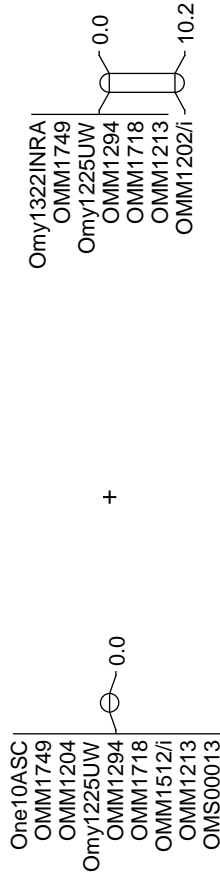
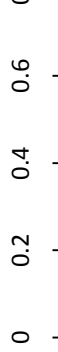


Female 2

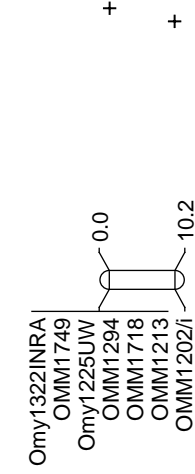
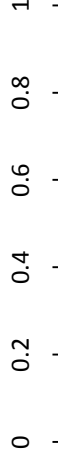
YCT allele frequency



Male 1



Male 2



RHYb07

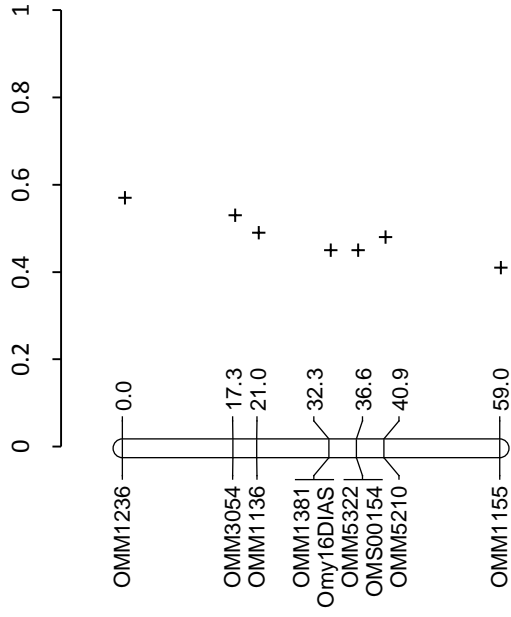
Female 1

YCT allele frequency

Female 2

YCT allele frequency

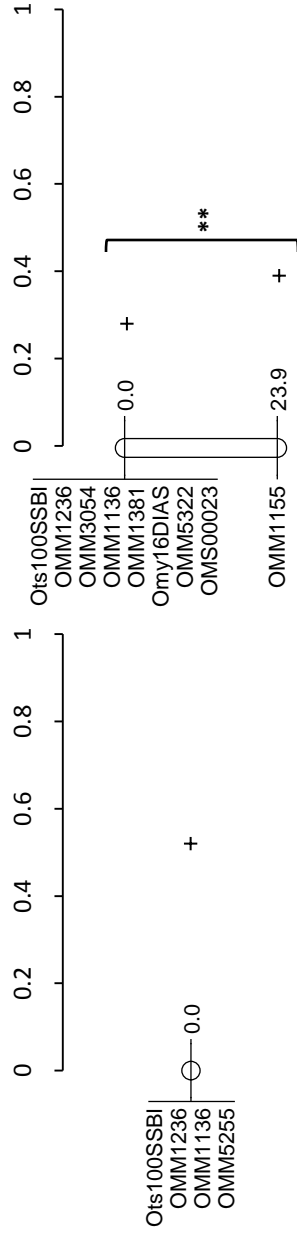
Female 1 linkage map not generated



Male 1

YCT allele frequency

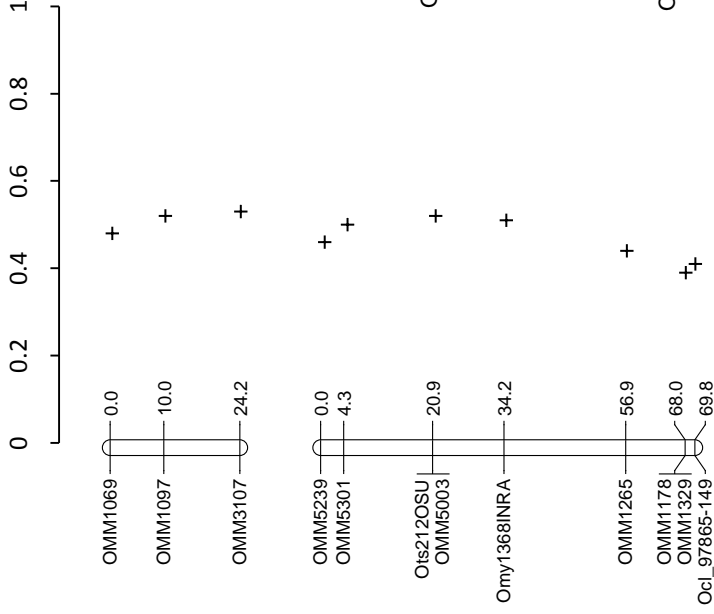
Male 2



RYHyb08

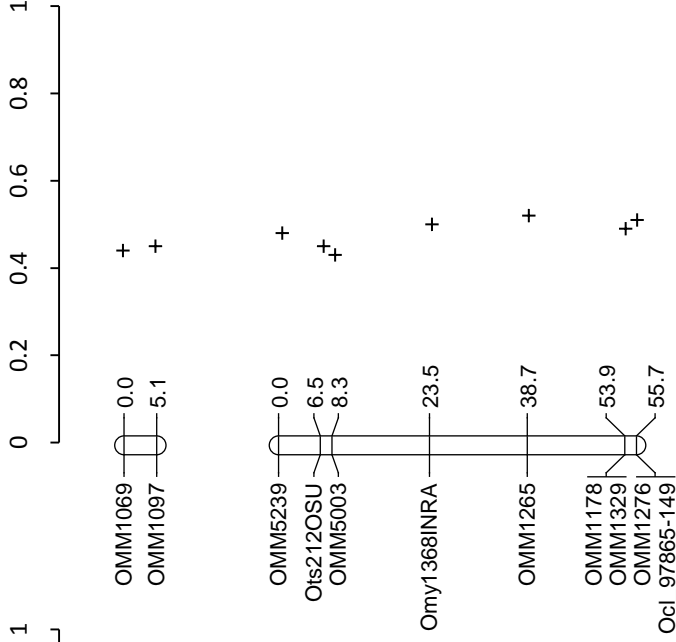
Female 1

YCT allele frequency



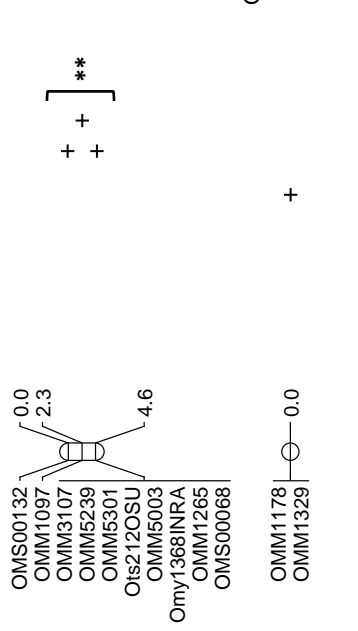
Female 2

YCT allele frequency



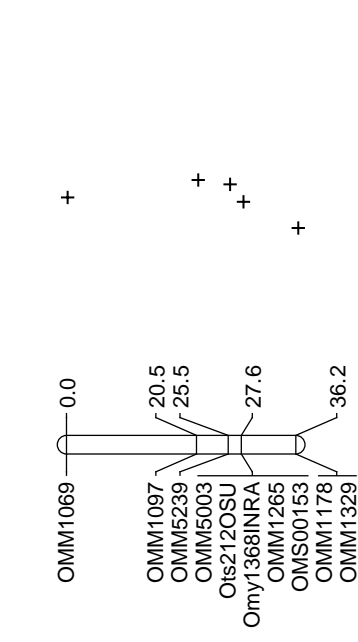
Male 1

YCT allele frequency



Male 2

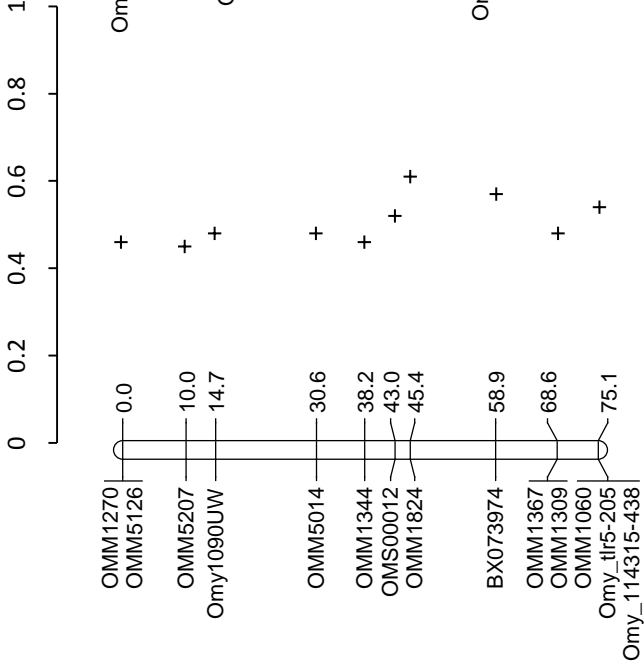
YCT allele frequency



RYHyb09

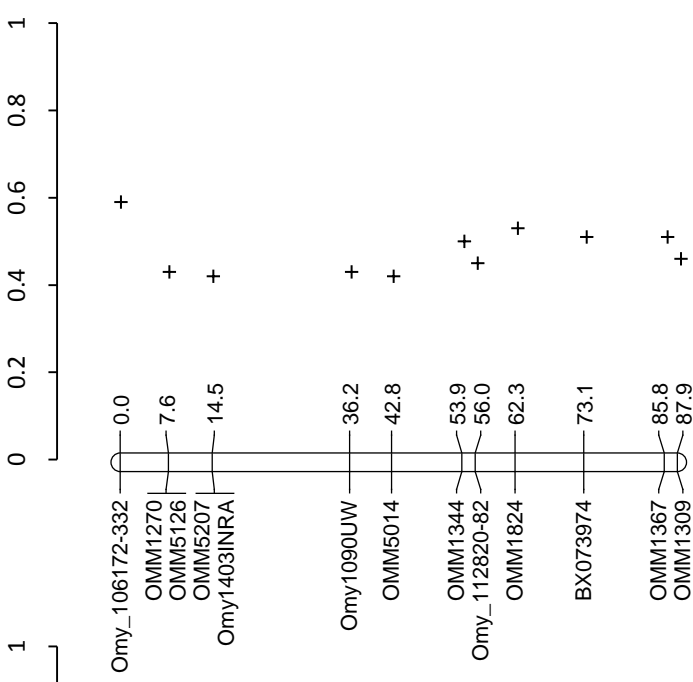
Female 1

YCT allele frequency



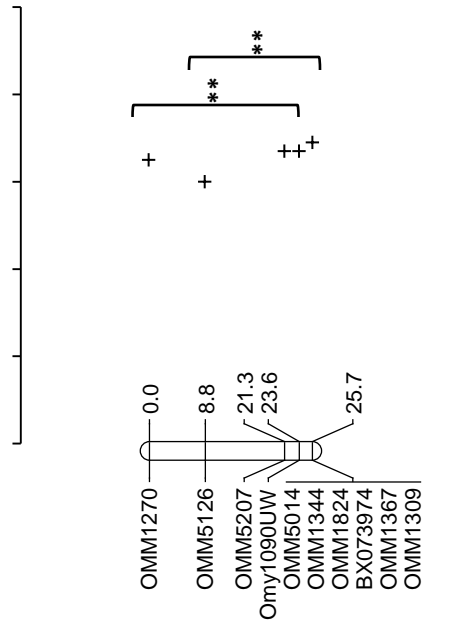
Female 2

YCT allele frequency



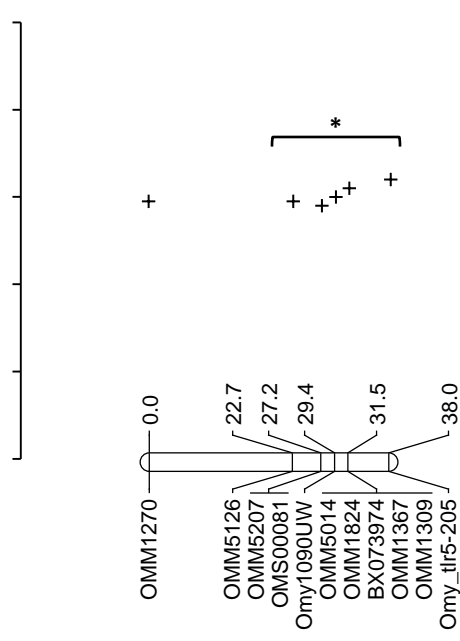
Male 1

YCT allele frequency



Male 2

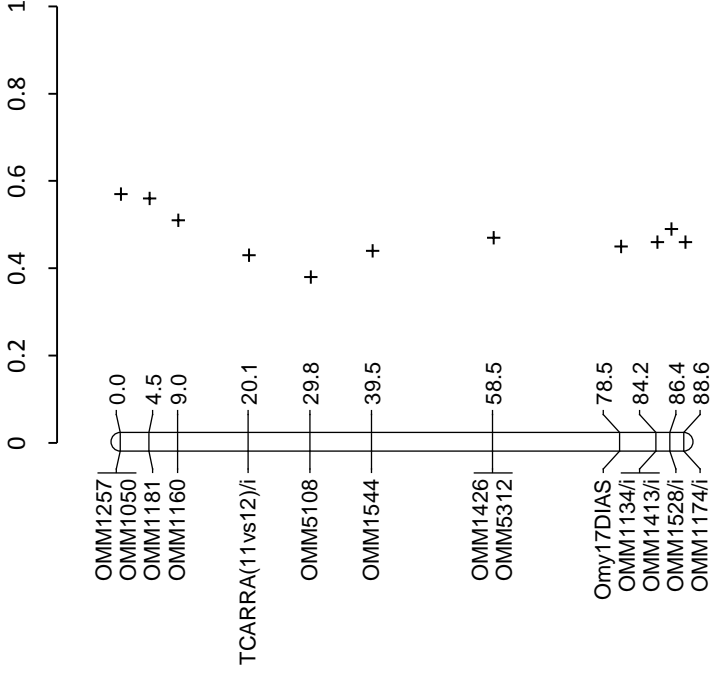
YCT allele frequency



RYHyb10

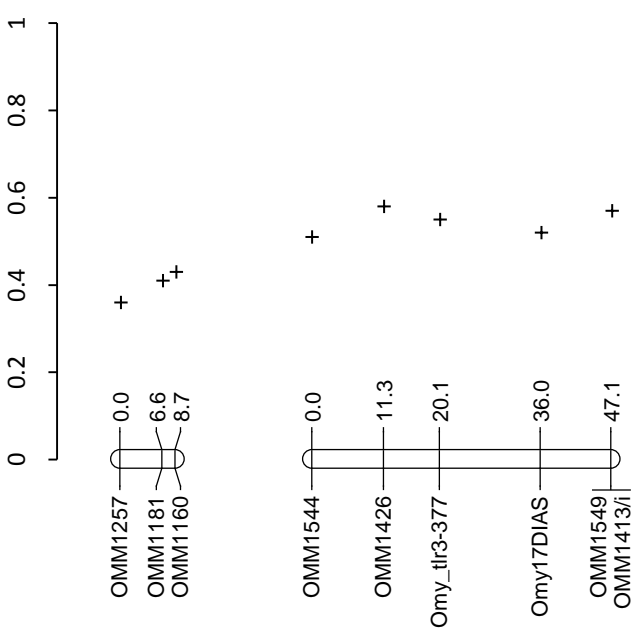
Female 1

YCT allele frequency

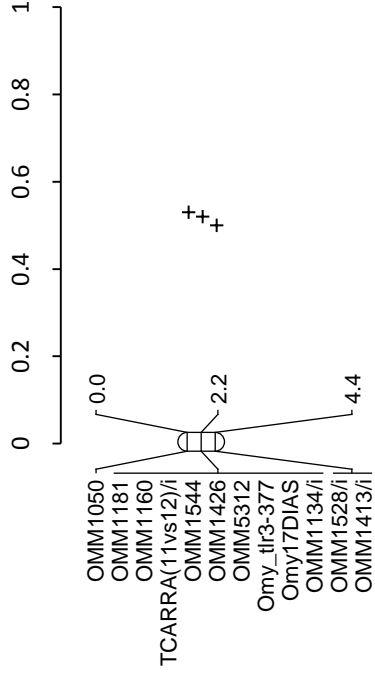


Female 2

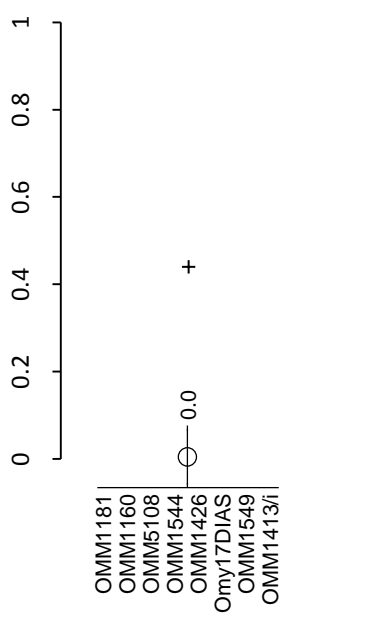
YCT allele frequency



Male 1



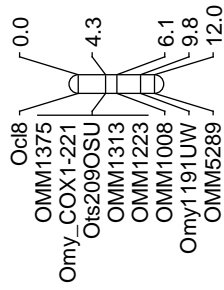
Male 2



RYHyb11

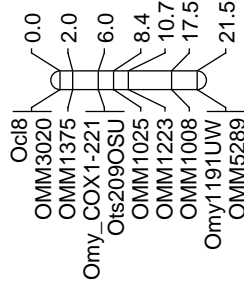
Female 1

YCT allele frequency

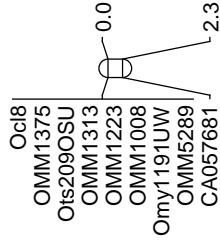


Female 2

YCT allele frequency



Male 1



+ +]*

Male 2

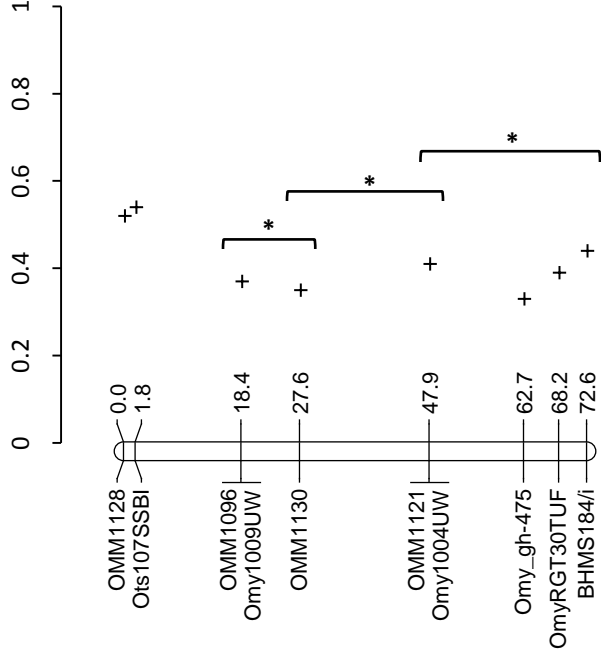


+

RYHyb12

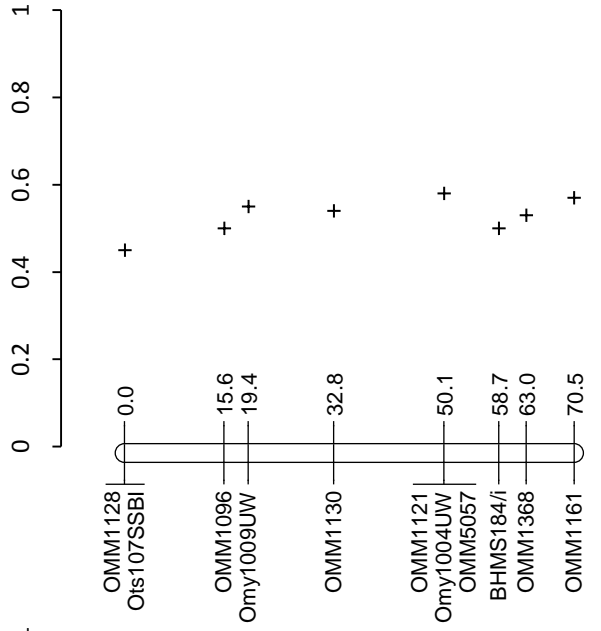
Female 1

YCT allele frequency

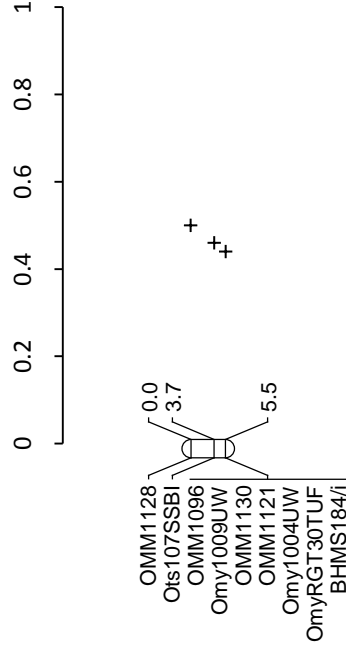


Female 2

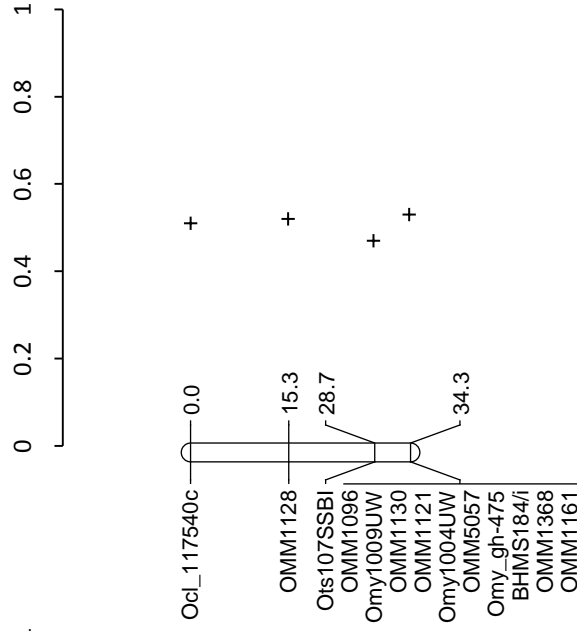
YCT allele frequency



Male 1



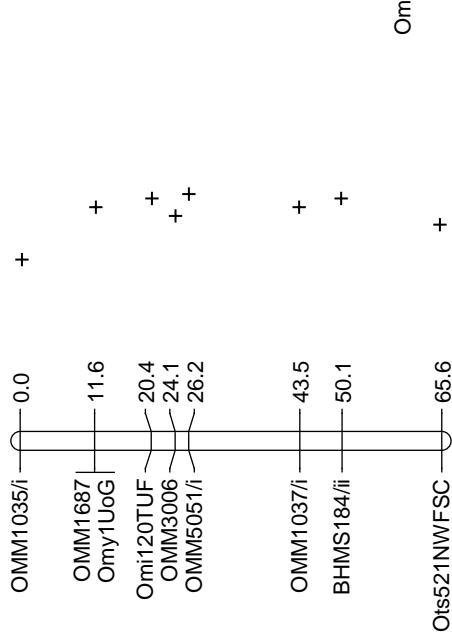
Male 2



RYHyb13

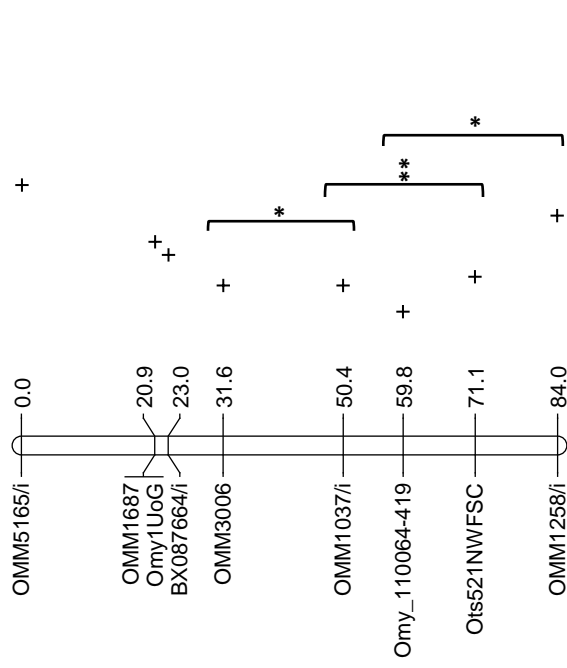
Female 1

YCT allele frequency

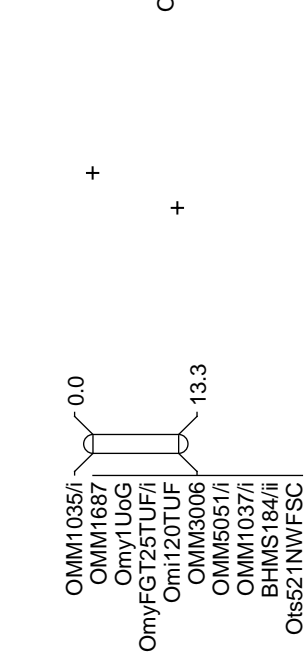


Female 2

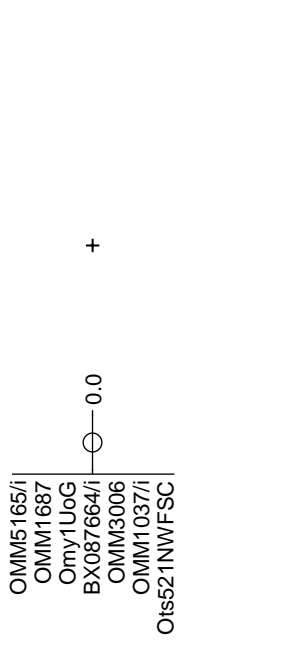
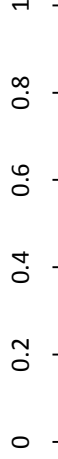
YCT allele frequency



Male 1



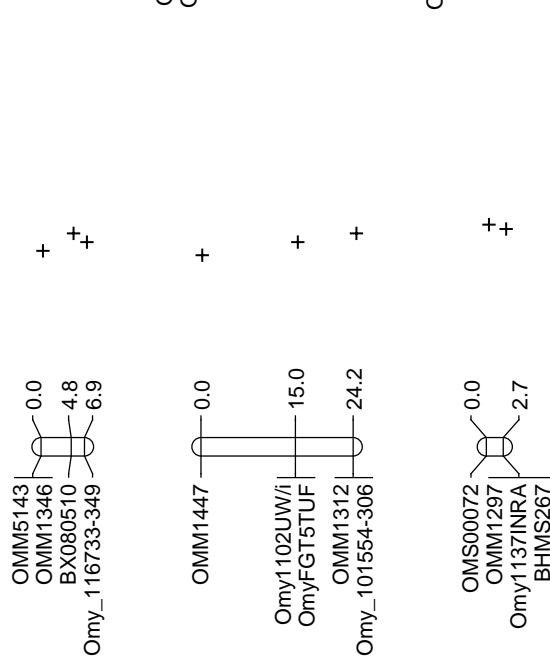
Male 2



RYHyb14

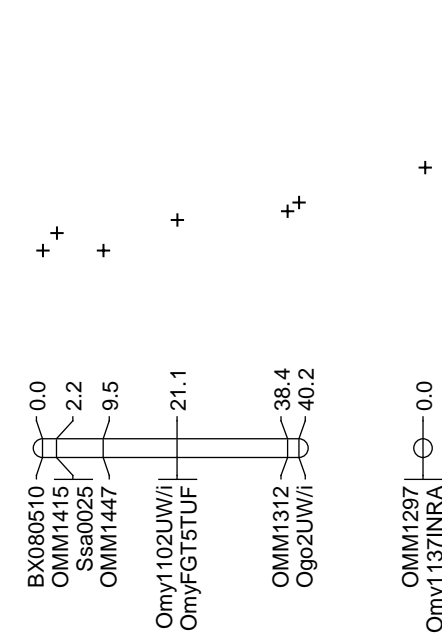
Female 1

YCT allele frequency

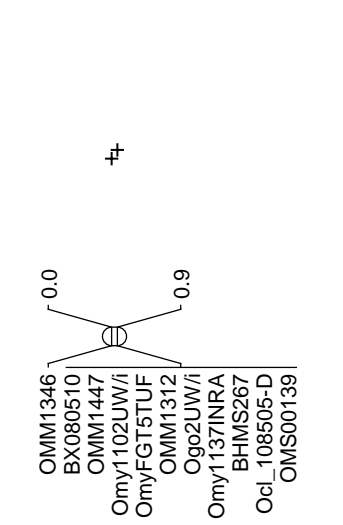


Female 2

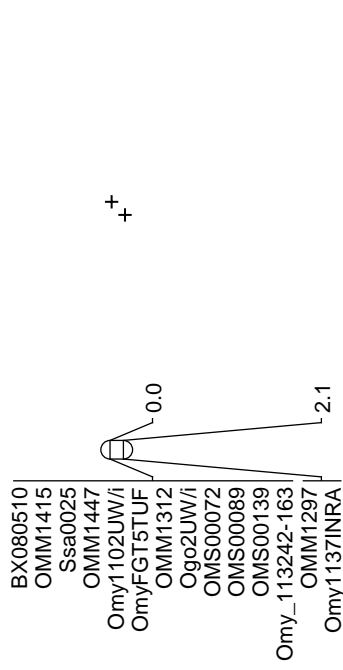
YCT allele frequency



Male 1



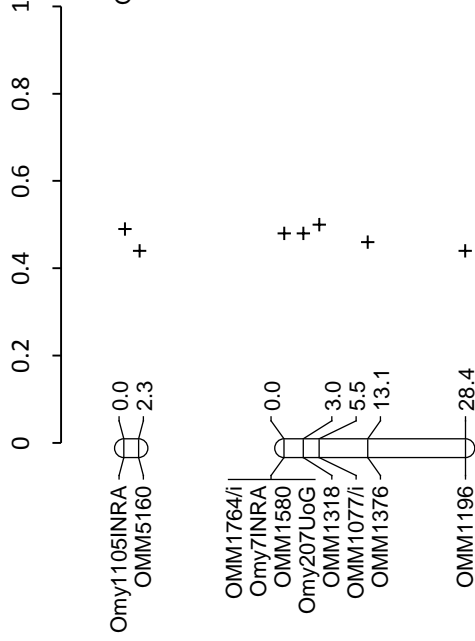
Male 2



RYHyb15

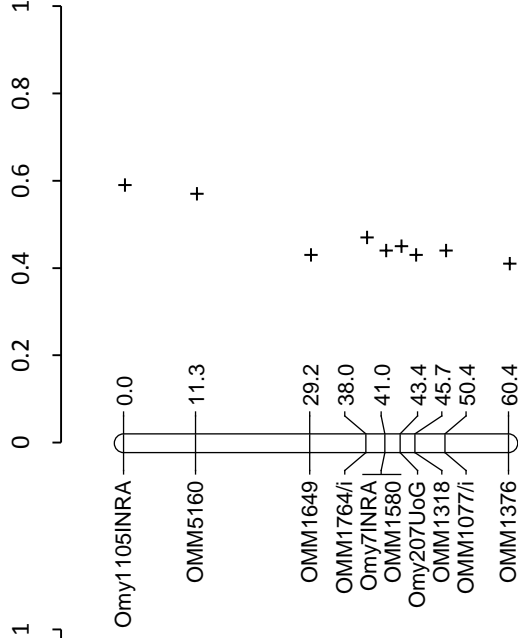
Female 1

YCT allele frequency



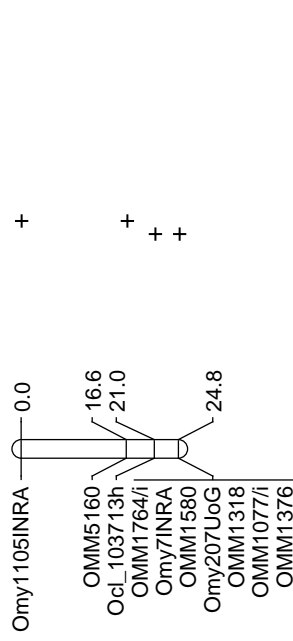
Female 2

YCT allele frequency



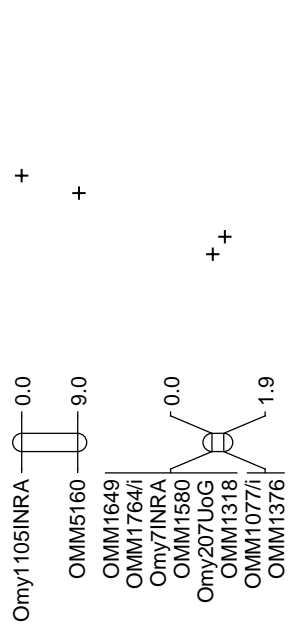
Male 1

YCT allele frequency



Male 2

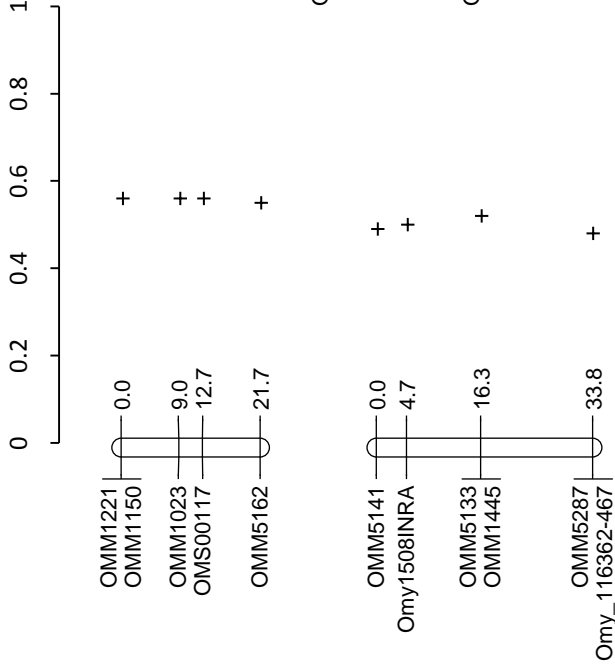
YCT allele frequency



RYHyb16

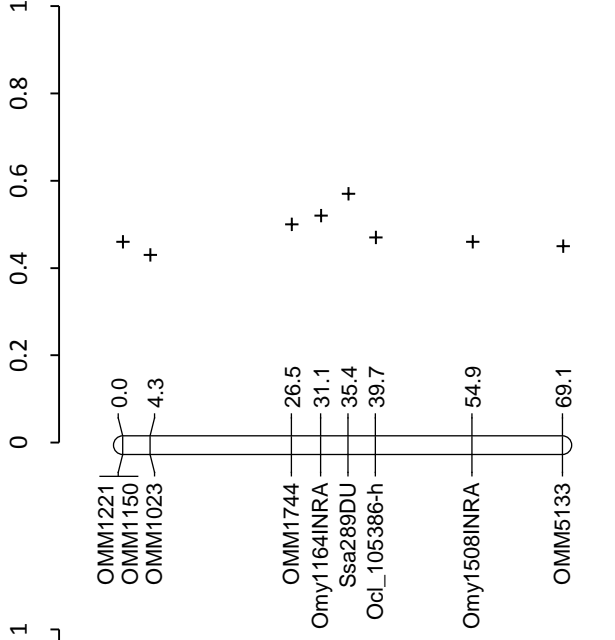
Female 1

YCT allele frequency



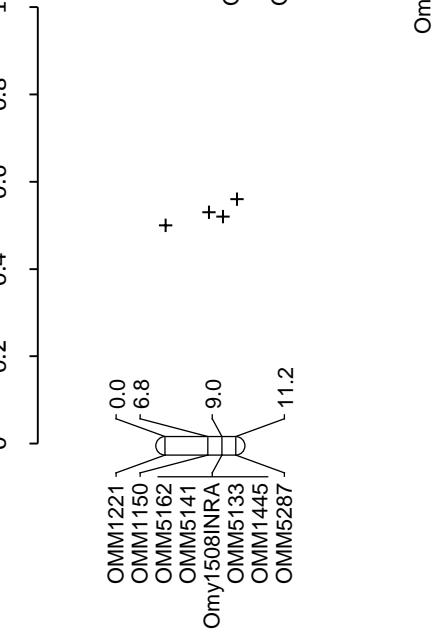
Female 2

YCT allele frequency



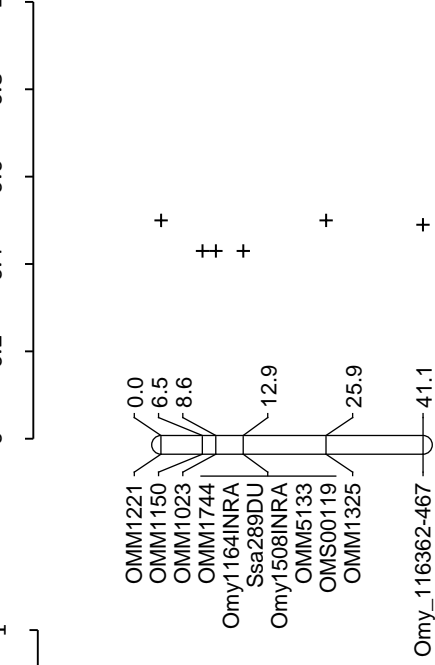
Male 1

YCT allele frequency



Male 2

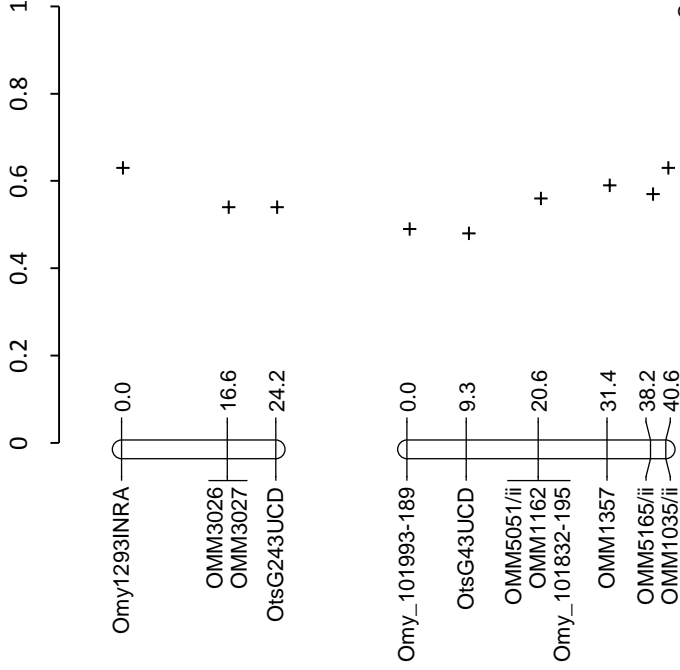
YCT allele frequency



RYHyb17

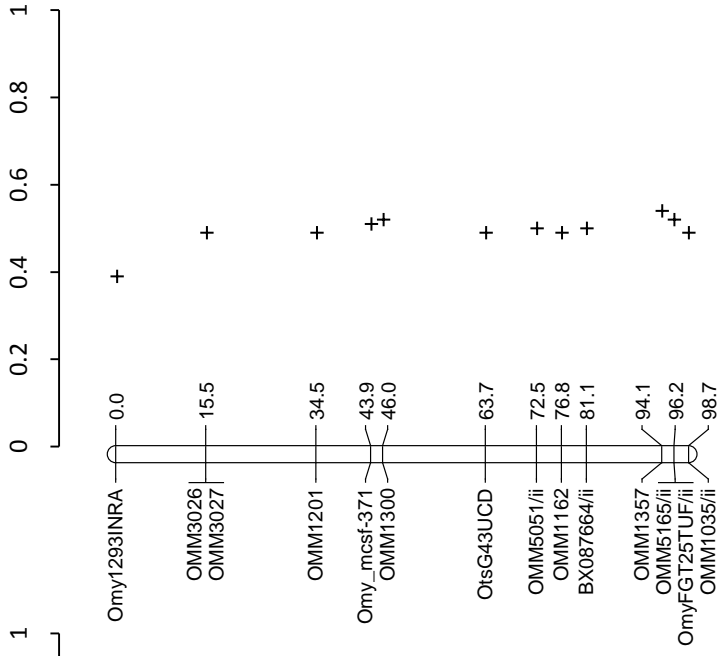
Female 1

YCT allele frequency

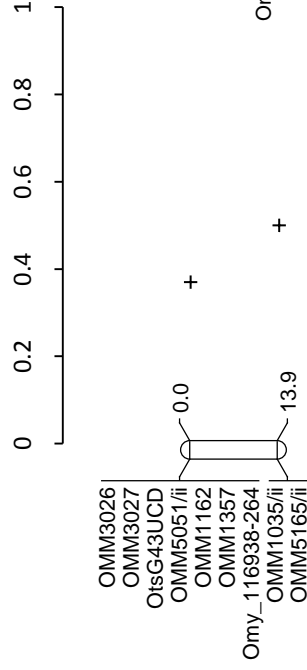


Female 2

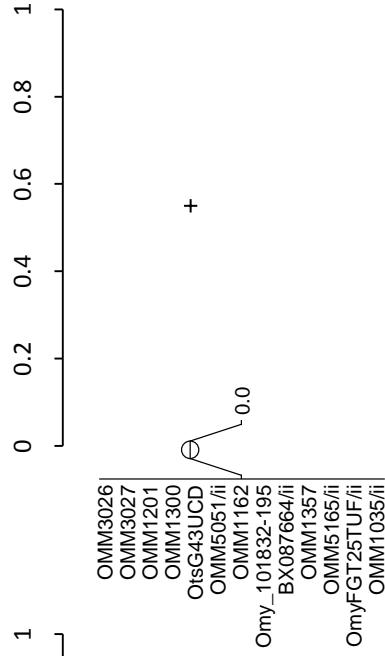
YCT allele frequency



Male 1



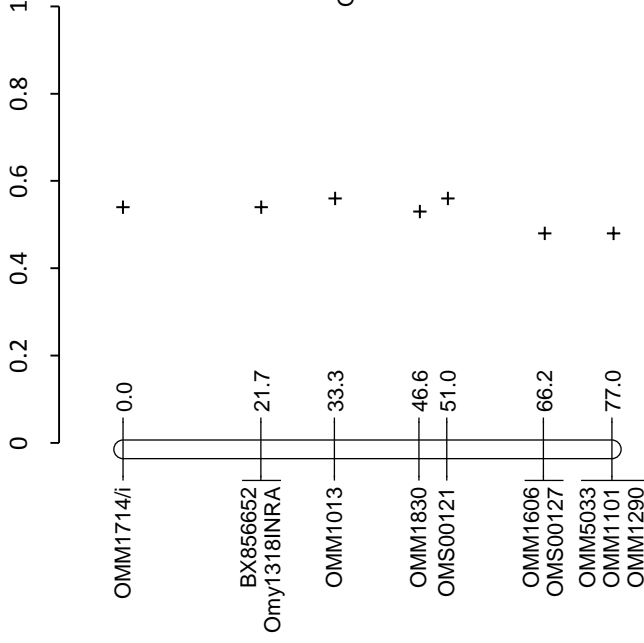
Male 2



RYHyb18

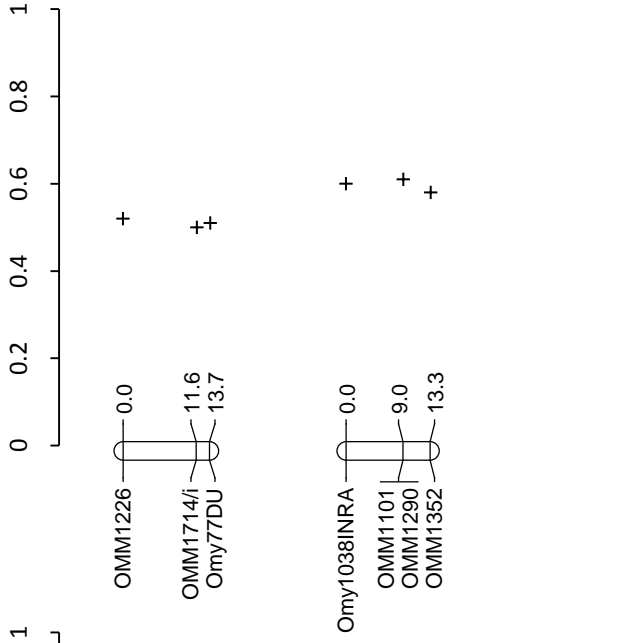
Female 1

YCT allele frequency



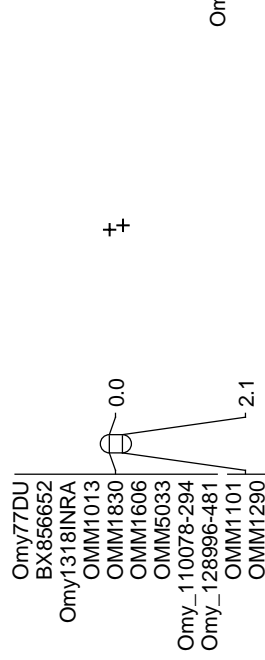
Female 2

YCT allele frequency



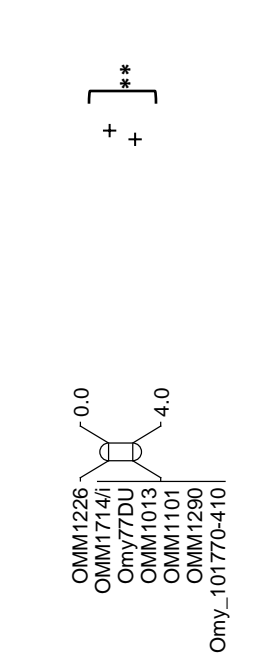
Male 1

YCT allele frequency

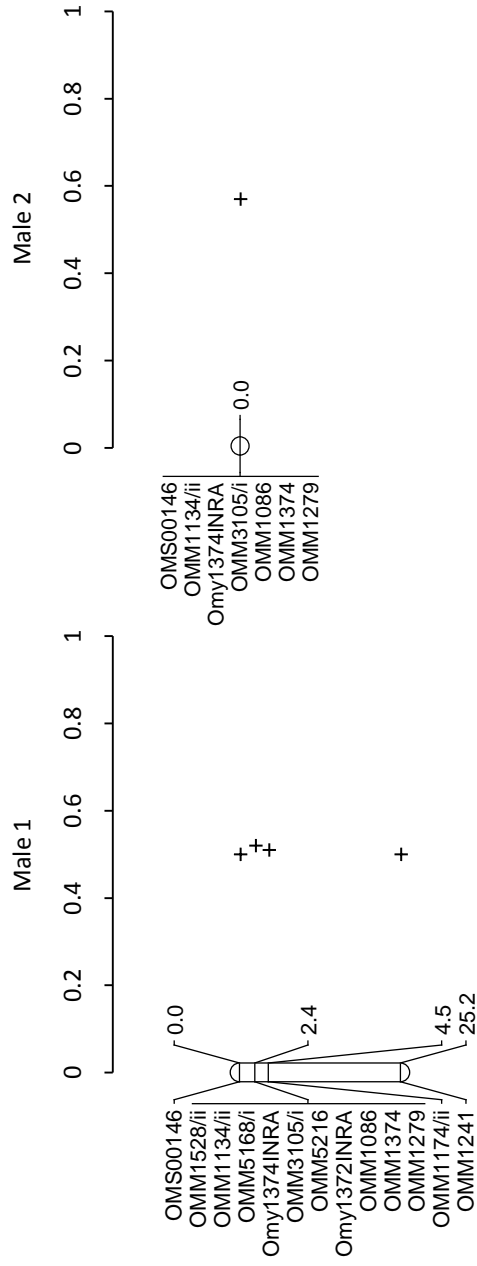
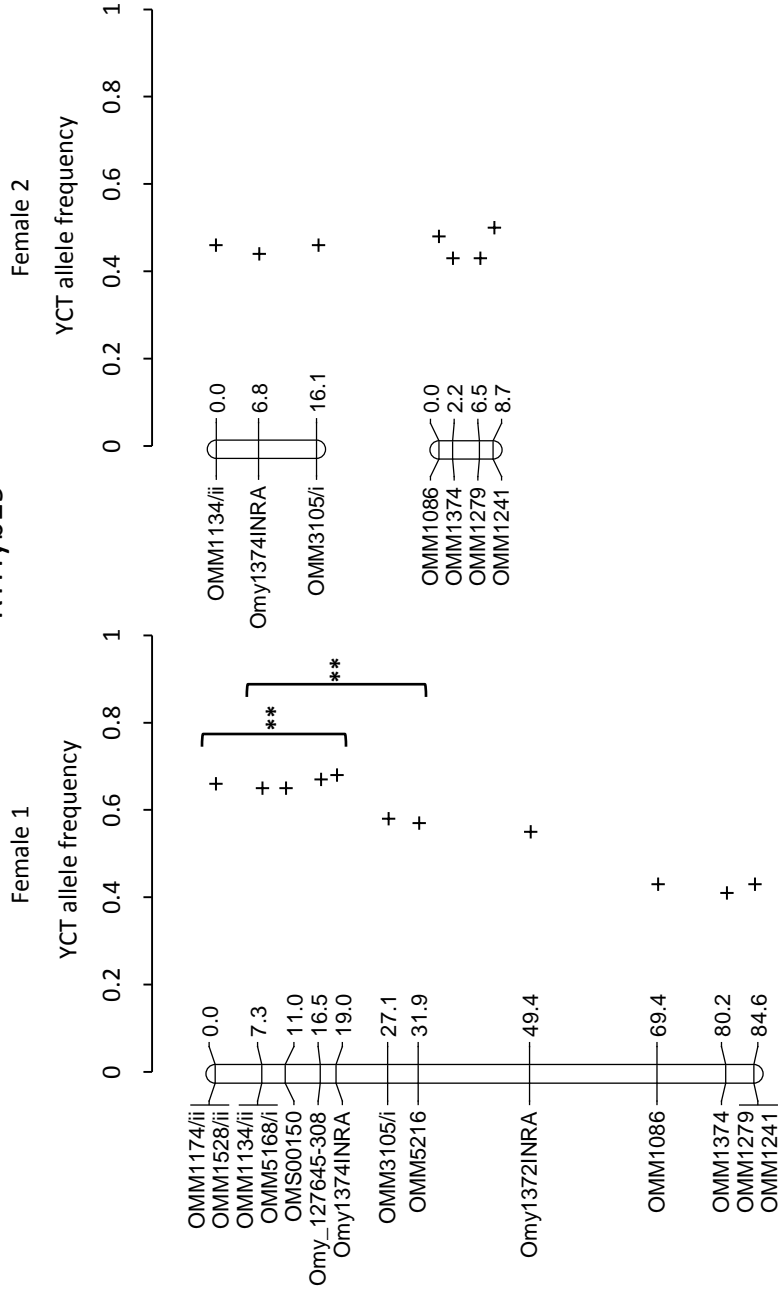


Male 2

YCT allele frequency



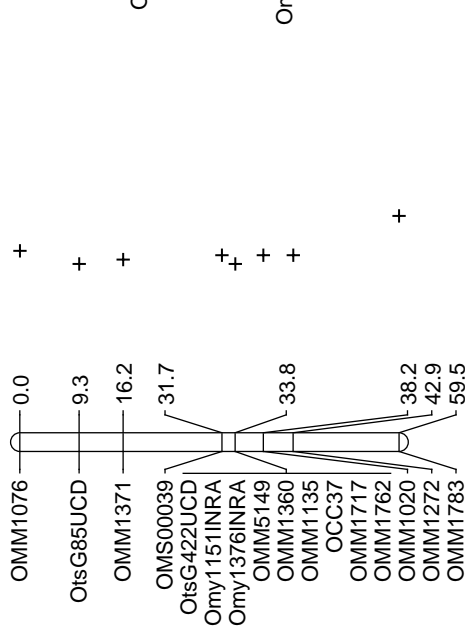
RYHyb19



RYHyb20

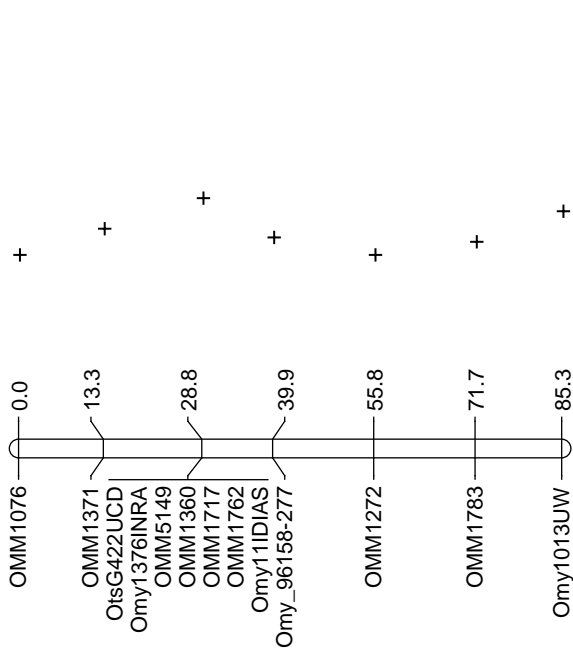
Female 1

YCT allele frequency

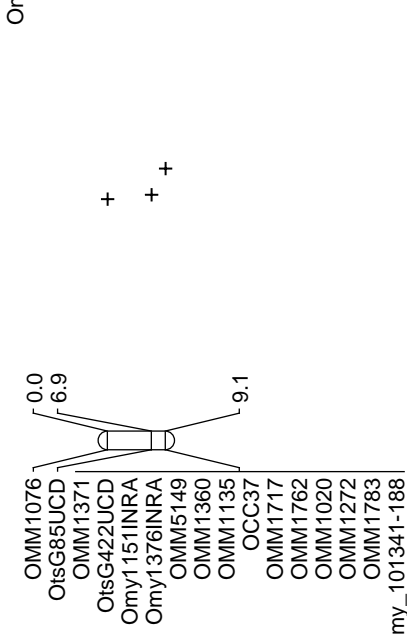


Female 2

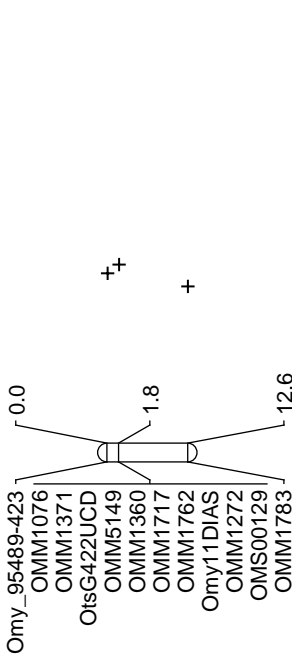
YCT allele frequency



Male 1



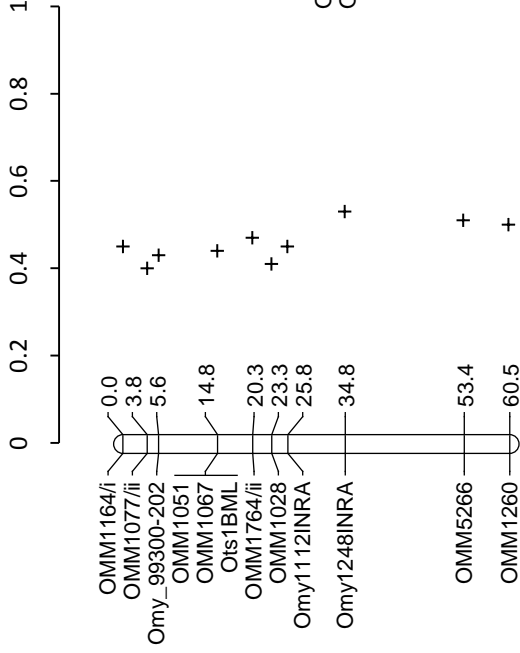
Male 2



RYHyb21

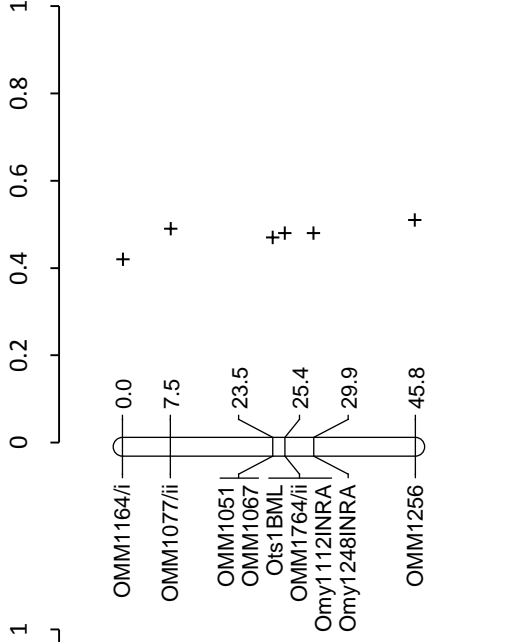
Female 1

YCT allele frequency



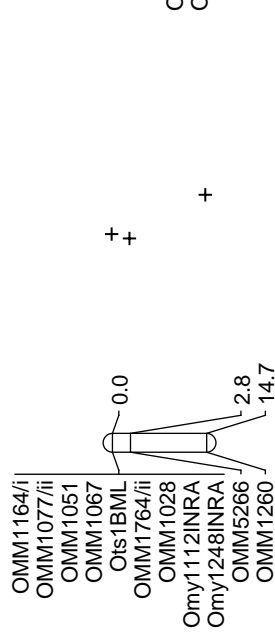
Female 2

YCT allele frequency



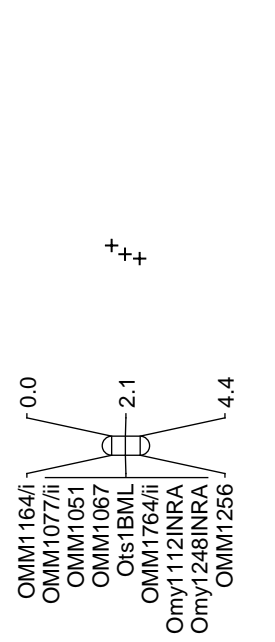
Male 1

YCT allele frequency



Male 2

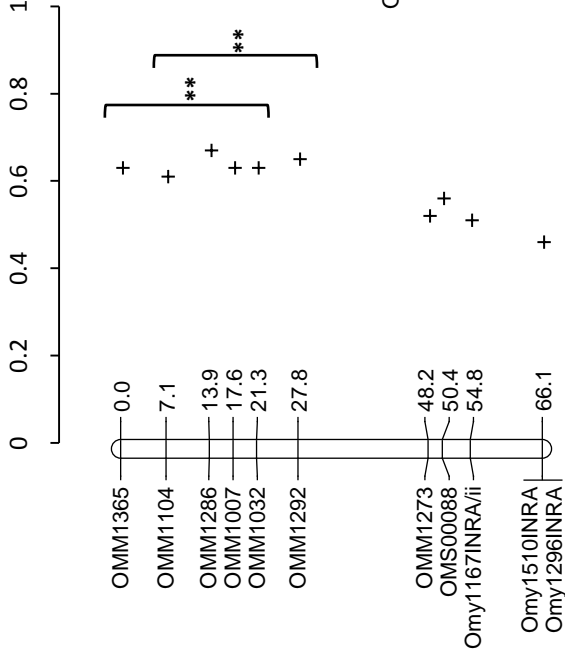
YCT allele frequency



RYHyb22

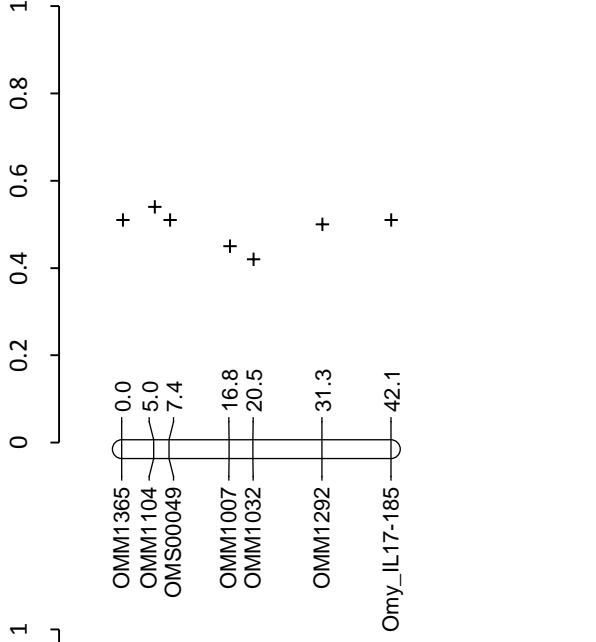
Female 1

YCT allele frequency

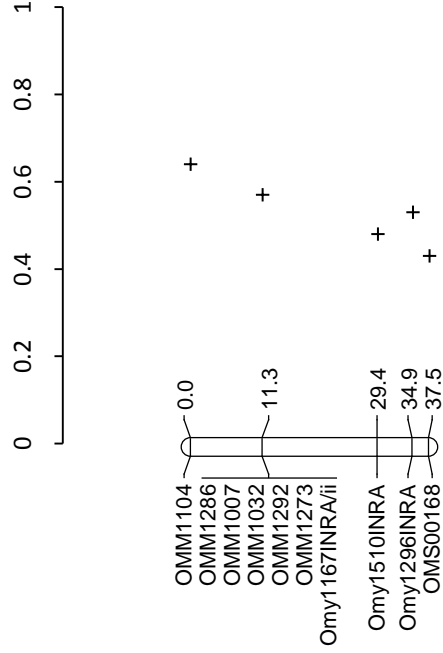


Female 2

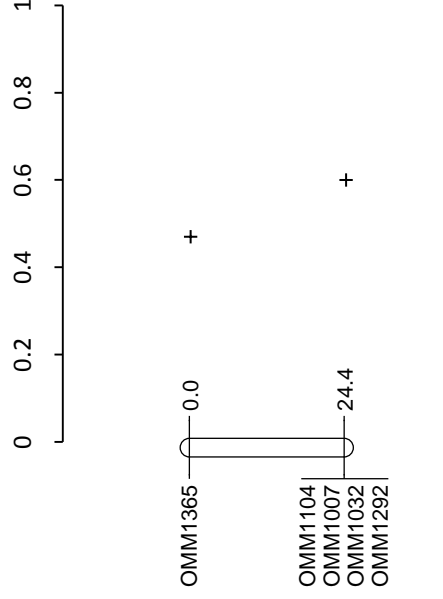
YCT allele frequency



Male 1



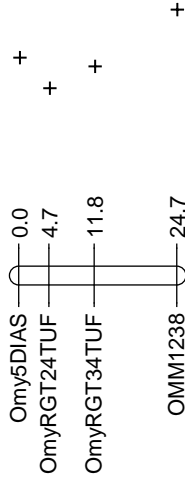
Male 2



RYHyb23

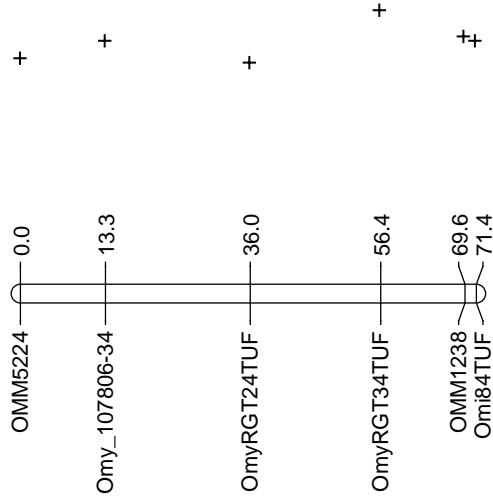
Female 1

YCT allele frequency

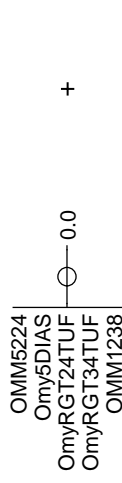
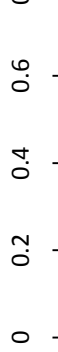


Female 2

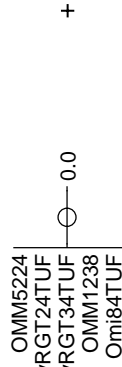
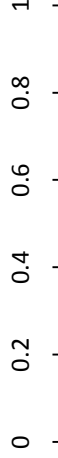
YCT allele frequency



Male 1



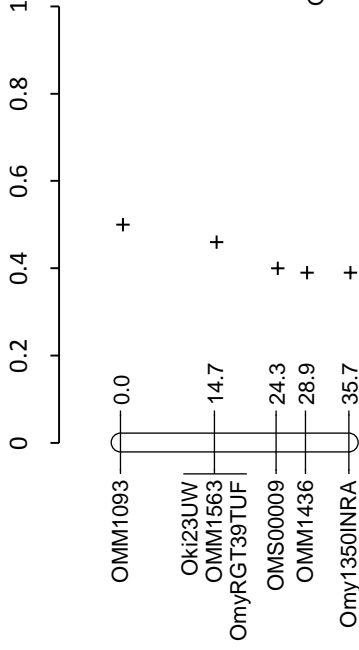
Male 2



RYHyb24

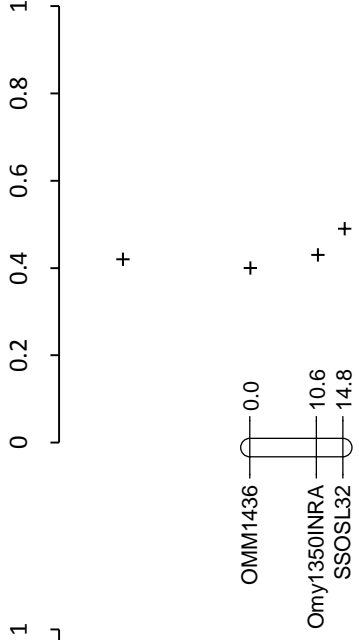
Female 1

YCT allele frequency



Female 2

YCT allele frequency



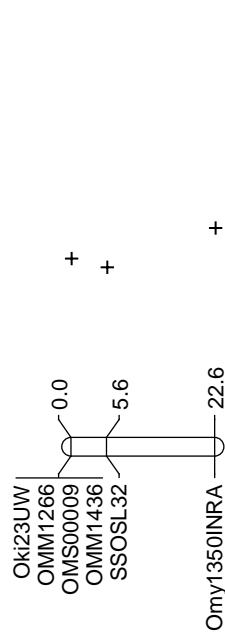
Male 1

YCT allele frequency

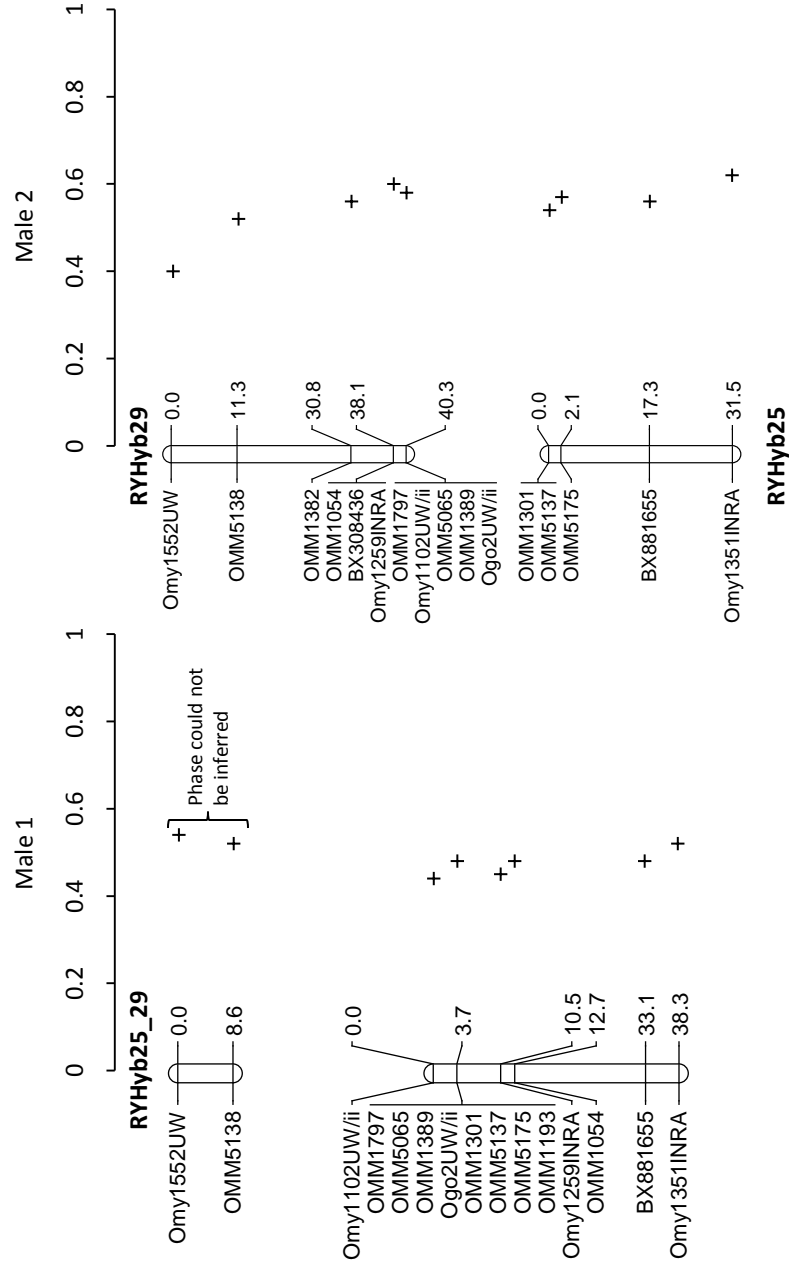
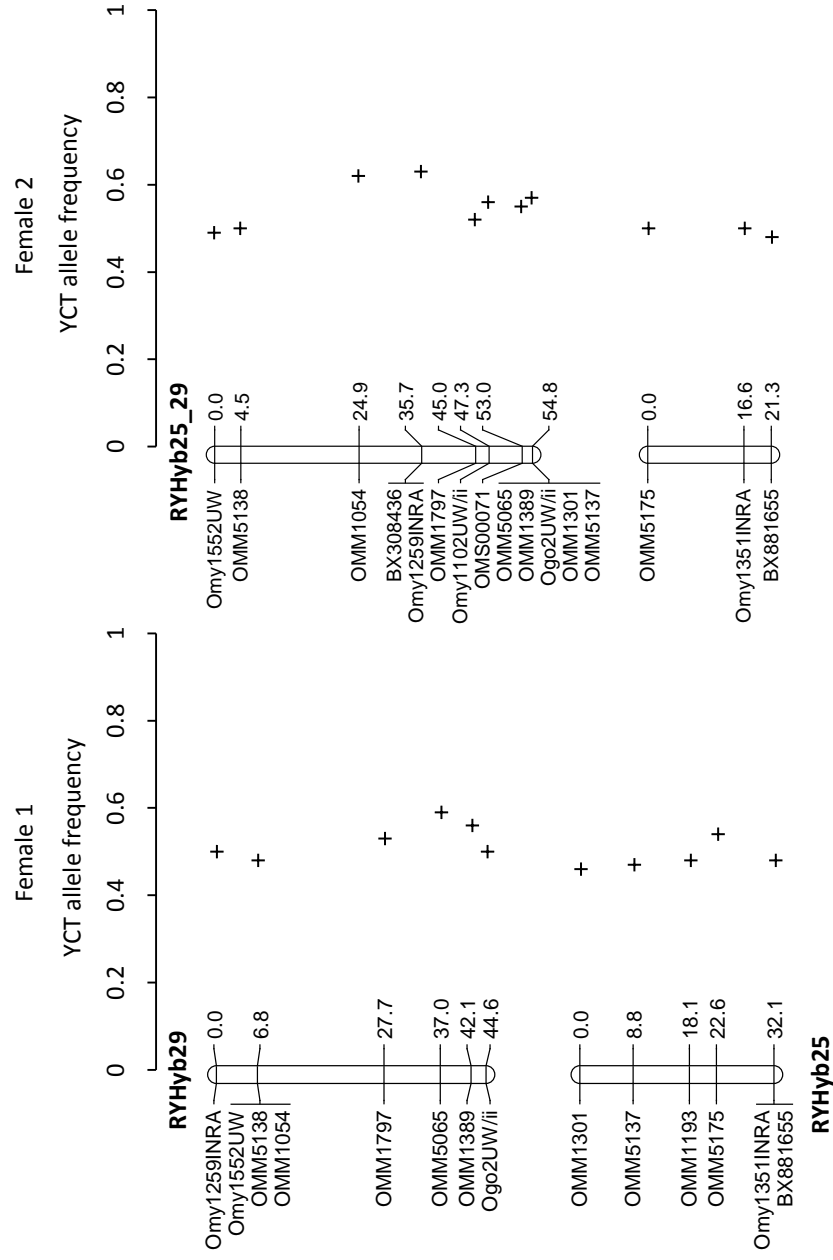


Male 2

YCT allele frequency



RYHyb25 and RYHyb29 polymorphism



RYHyb26

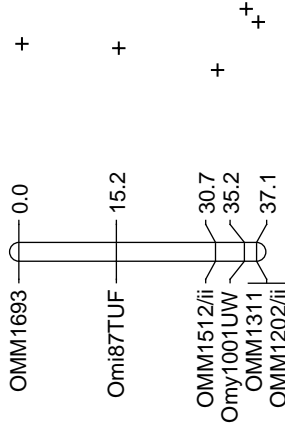
Female 1

YCT allele frequency

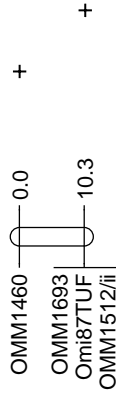


Female 2

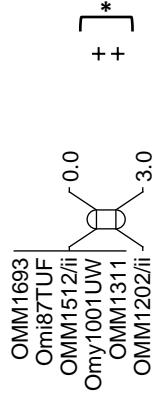
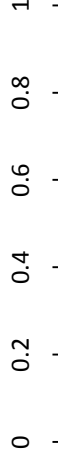
YCT allele frequency



Male 1

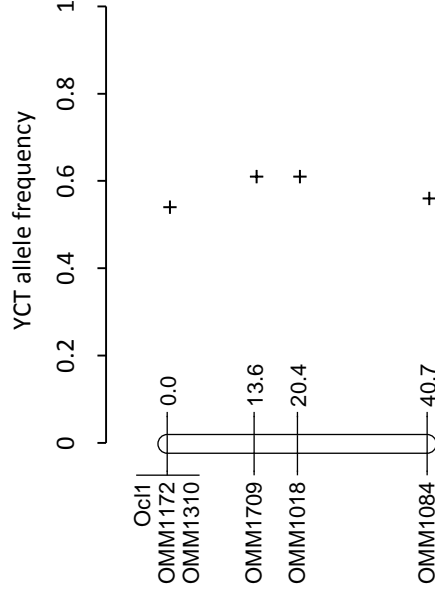


Male 2

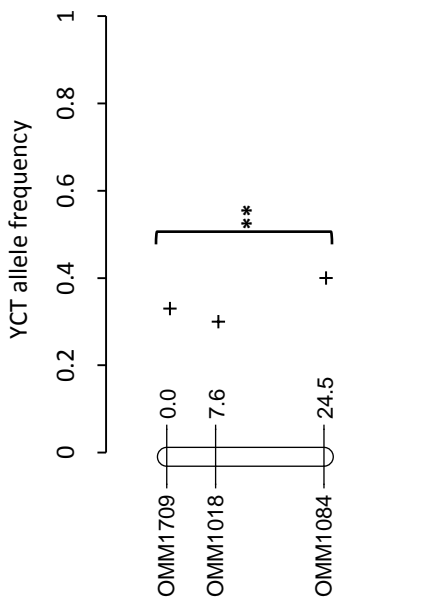


RYHyb27

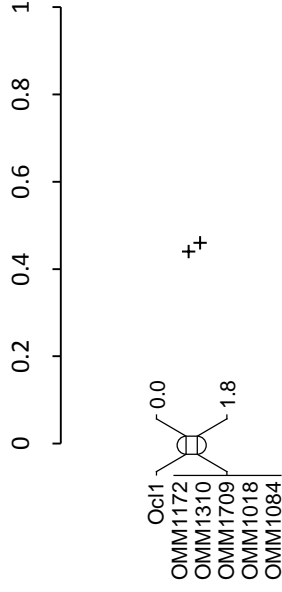
Female 1



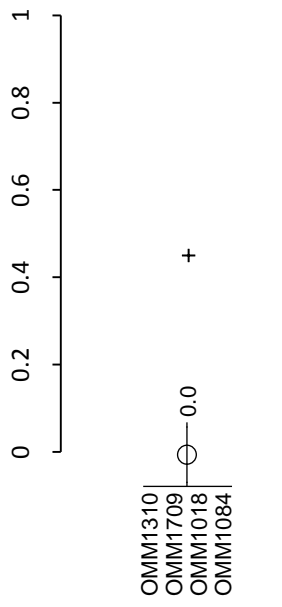
Female 2



Male 1



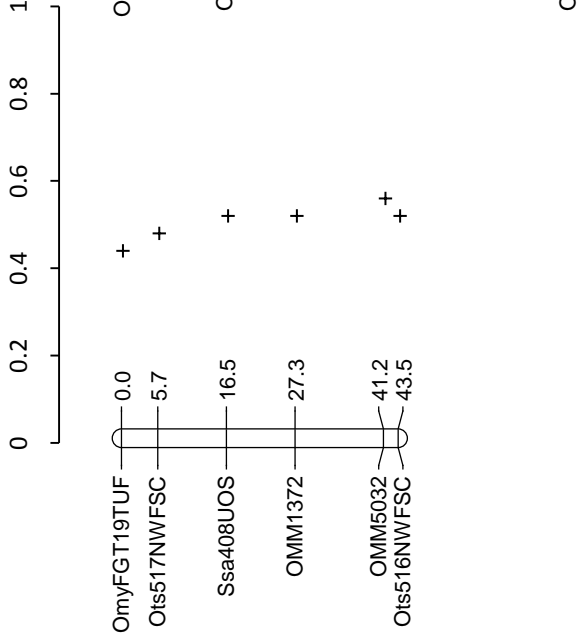
Male 2



RYHyb28

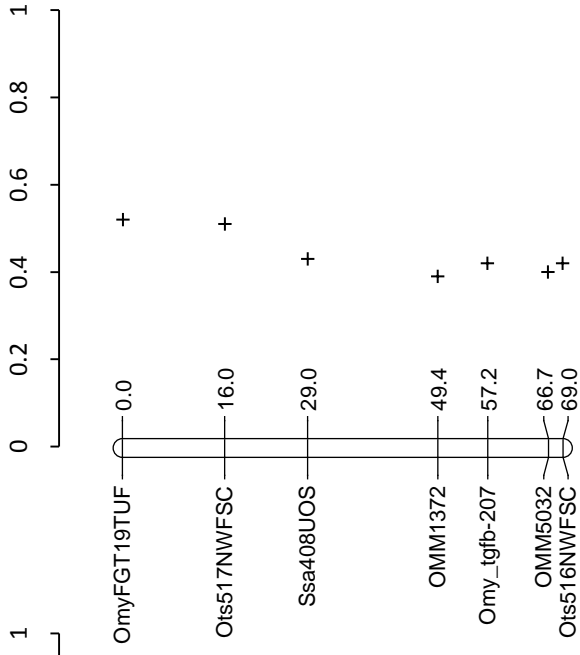
Female 1

YCT allele frequency

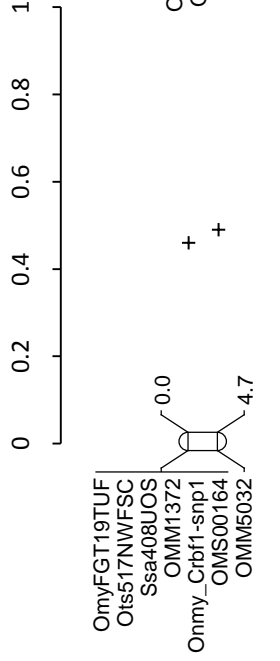


Female 2

YCT allele frequency



Male 1



Male 2

