

Suppl. Table 1. Markers used for screening mating products for heterozygosity. Chromosome numbers and positions are relative to the H99 genome.

Marker	Chromosome	Position	Forward Primer (5' - 3')	Reverse Primer (5' - 3')
Chrom01_Region5	1	128800-131200	GCACATGAAGAAATATGACCG	GCACATTCGCCAATCCTATC
Chrom01_Region8	1	389600-391200	AATGAGACGAATACGGTCGG	AGCTCTCTTTCACTGACACGA
Chrom02_Region1	2	88000-89600	GCACAGGCCAGTAAAGGAGG	GAATCTGAGAAGGCTGAGGCTA
Chrom02_Region5	2	1228800-1231200	GCTGCTGCATTTGCTGAG	TGAAATGAACGAACTAGTACGG
Chrom07_Region1	7	56800-59200	CGCCCTCTTGCTGAAGTTG	TTTCTCTTGTGCTTCAAATGC
Chrom07_Region5	7	512800-514400	GAAATGGTGCGAGAATAGGC	CATCTGCACTTCGAACGAC
Chrom10_Region7	10	967200-968000	ATTTTCAGGTATCCCCATGC	CATTGGTAAACTCGCCTCTG
Chrom12_Region1	12	87200-88800	GGAACGAGATGGAAATCGG	GTCTCACTGCCAGTAAAGTCAG
Chrom12_Region8	12	721600-724000	GCCATTTGGACTTTGGGTG	TGACTCTTGTGGAGCTTAACG
Chrom13_Region1	13	108000-108800	CGCCTTTGATTGCTGATGAC	GGGATAGCTCTTGGCAATGC
Chrom13_Region4	13	693600-695200	GAAGCCATCTTGCTGAAGTG	TTCGGGAGGGTGACTCTC
STE20_neo_MATalpha	5	247512-247841	GGCTGCAATCACAGCACCTTAC	CTTCATGACATCACTCCCCTAT
STE20_deneo_MATa	5	n.a.	CACATCTCAGATGCCATTTTACCA	AGCTCTAAGTCATATGGGTTATAT