Table S2. List of primers, specific PCR conditions and restriction enzymes used for the RFLP analysis.

Primer Name	Sequence (5' → 3')	Annealing/ Extension	Purpose	Restriction enzyme used in RFLP analysis
MC122	TGGCGMGTYCCCGAACCYTACAAC	62.5ºC / 3 min	Amplify the complete **STE3.A2 allele** in the type strain of *Ss* (CBS 490[T])	
MC123	AAAGGSTACGACCAGYTSCTCAAYCT			
MC126	AATRCCGCTCCGCTYTACTGGCA	62ºC / 90 s		
MC127	TGTTCGGGTCTACAGGTTGGAGAG			
MC103	AGGATGTCGAGGACTTCTTCGGTGA	62 ºC / 90 s	Amplify the **HD1/HD2 region** in all the available strains of *Ss* and *Sj*	Rsa I
MC104	CGGCGCGTGTTGGTGAACCAGGT			
MC053	CATCTTCTTCCTCCTCCTGCC	60ºC / 90 s	Screening the **STE3.A1** and **STE3.A2** alleles in all the available strains of *Ss* and *Sj*	
MC054	GGGTAGGGAGGAAGCGAGAT			
MC126	AATRCCGCTCCGCTYTACTGGCA	62ºC / 90 s		
MC127	TGTTCGGGTCTACAGGTTGGAGAG			
MC111	CGCCGCTGGTTCCTTGRCAACTTCT	62ºC / 90 s	Amplify the C-terminal region of the **HD1** gene in selected *Ss* and *Sj* strains	
MC112	GCTGCCCATCTACGAGCAAGTCCC			
MC147	GARGACCTCGCSACCTACCC	60ºC / 30 s	Amplify part of the **PAN6** gene in *Ss*	Alu I
MC148	AGGAKGAGMGCTTGYTGGATGT			
MC045	CGMGAAGACCTGAARCCGTT	56ºC / 90 s	Amplify part of the **STE20** gene in *Ss*	Eco RI
MC046	CATGWACTCCATSACGACCCA			
MC131	CGAYATCRCCRAAACAGCTGAGGAT	59ºC / 90 s	Amplify part of the **KAP95** gene in *Ss*	
MC132	TACAACGARCTCCARGTCAACATCT			
MC133	ACCTCAGCAAGTACGTYGACAAGAA	59ºC / 90 s	Amplify part of the **LSm7** gene in *Ss*	Rsa I
MC134	AAAGGGTTTGCAATTTCCKCMGAC			
MC135	GAGAAGGAGCCKCARCCCAA	56ºC / 90 s	Amplify part of the **RibL18** gene in *Ss*	Kpn I
MC136	ACATCAAGCAGCTCCTCACCC			
MC137	GACTTCCCRGGYCACTAYCCC	59ºC / 90 s	Amplify part of the **RNAPOL** gene in *Ss*	
MC138	CCTGTCCKCCKCGCATCTT			
MC141	CTACATGTTCAAGTACGACTCGAC	59ºC / 90 s	Amplify part of the **GPD** gene in *Ss*	Stu I
MC142	GTACCACGAGAAGAGCTTGACGAA			
MC139	TCGATCCTCATGGAGCAYTTCATCT	59ºC / 90 s	Amplify part of the **MIP** gene in *Ss*	
MC140	CCAYTTGCCMACYTCTTCCATC			
MC157	GTCTTGACGACCGGGTTCAACGA	59ºC / 90 s	Amplify part of the **IsocL** gene in *Ss*	Bam HI
MC158	GGCAWTCCKCCTCGGTAGTGGTA			
MC155	TCAACMTCCTCTCYGGCAAGTC	59ºC / 90 s	Amplify part of the **NGP1 (NOG2)** gene in *Ss*	
MC156	GAGTTRTTGATGGAGGCGTGGAA			
MC149	CTGGACARGAGACGTACAATGC	59ºC / 90 s	Amplify part of the **AKOR2** gene in *Ss*	Rsa I
MC150	TCTCGAGCRTGAARTCAAAGACGTT			
MC151	CTGAACCGMTACACCTTTGCC	59ºC / 1 min	Amplify part of the **RPB2** gene in *Ss*	
MC152	TGAATCTCGCAATGWGTCCAAG			

S. salmonicolor (**Ss**); *S. johnsonii* (**Sj**)

Table S2. Continued.

Primer Name	Sequence (5' → 3')	Annealing/ Extension	Purpose	Restriction enzyme used in RFLP analysis
MC170	TATCTACGGCGCTGGTTGCTTGA	60 ºC / 90 s	Amplify part of the ***sdhA*** gene in *Ss*	
MC171	TCCAGATCATCGAGCGGTCCTTG			
MC047	ACCAACCTYTGCGTYTCRGTCGA	63 ºC / 90 s	Amplify part of the ***URA3*** gene in *Ss*	
MC048	GATGACCTCGTCSGGYGTACKGTA			
MC172	GCCAGTCCCTCATCACCTCG	60ºC / 90 s	Amplify part of the ***HXT1*** gene in *Ss*	
MC173	TCCTTGAGCCTGAAGCAGTCG			
MC174	GACCAGCAGTTCTTGGCCGA	60ºC / 90 s	Amplify part of the ***aldA*** gene in *Ss*	
MC175	GAGCTTGACAAACTCGTCGTGAAC			
MC176	AGCGTTGCGTTCCTCCAGTC	60ºC / 90 s	Amplify part of the ***PAL*** gene in *Ss*	
MC177	GTTCTTGGCGACCTCGATCTG			
MC178	CTCATCATCGTCGACTCTGTCAC	60ºC / 60 s	Amplify part of the ***DMC1*** gene in *Ss*	Msp I
MC179	GGCGAGTCGACGATCTTGG			
MC180	GCCGTCTACCGAATCAACAAG	57ºC / 90 s	Amplify part of the ***GEF1*** gene in *Ss*	
MC181	CTGCATCTGGAGCTTGCATTT			
MC182	CCCATCCTGAATGTCAACTACAA	58ºC / 90 s	Amplify part of the ***LACC*** gene in *Ss*	
MC183	GGTGACAAGAACCGAGTAGCG			
MC186	CAAGTGCCTGTGCAAGAA	51ºC / 60 s	Amplify part of the ***RAN1*** gene in *Ss*	Hinf I
MC187	CATAAGCCATGTACGGTTT			

S. salmonicolor (**Ss**); *S. johnsonii* (**Sj**)