

**Table S2 Changes to names of mating type and mating type associated *A. gossypii* genes.**

A.g. ORF name	S.c. homolog	Alternate S.c. homolog common homolog name	New name	Alternate gene
<b>Mating-type locus 1, right arm chr. VI</b>			MAT1	
AFR643W-B	YLR154C	RNH203	RNH203A	
AFR643W-A		( <i>K. lactis</i> MATa2)	MAT1a2	
AFR643C	YCR097W	HMRA1	MAT1a1	
AFR642C	YNL244C	SUI1	SUI1A	
AFR641W	YNL246W	VPS75	VPS75A	
<b>Mating-type locus 2, left telomere chr. IV</b>			MAT2	
ADL393W-A	YLR154C	RNH203	RNH203B	
ADL393W		( <i>K. lactis</i> MATa2)	MAT2a2	
ADL394C	YCR097W	HMRA1	MAT2a1	
ADL395C	YNL244C	SUI1	SUI1B	
ADL396W	YNL246W	VPS75	VPS75B	
<b>Mating-type locus 3, right telomere chr. V</b>			MAT3	
AER455C-A	YLR154C	RNH203	RNH203C	
AER455C		( <i>K. lactis</i> MATa2)	MAT3a2	
AER456W	YCR097W	HMRA1	MAT3a1	
AER457W	YNL244C	SUI1	SUI1C	
AER458C	YNL246W	VPS75	VPS75C	
<b>Mating-type locus 4, right telomere chr.VI</b>			MAT4	
AFR749C	YLR154C	RNH203	RNH203D	
AFR750C		YCR039C ( <i>K. lactis</i> MATa2)	MAT4a2	MAT4 $\alpha$ 2
AFR751W	YCR097W	YCR040W HMRA1/MAT $\alpha$	MAT4a1	MAT4 $\alpha$ 1
AFR752W	YNL244C	SUI1	SUI1D	
AFR753C	YNL246W	VPS75	VPS75D	