

**Table S1.** Plasmids used for strain construction and expression of the yeast genes

Plasmid	Contains regions	Use	Reference
pRED150	<i>URA3</i> gene, EcoRV-DraI region of <i>ADE2</i> gene	Construction of strains 2421_REDa and E5_REDa	(18)
pSP-G2	<i>URA3</i> gene, 2 $\mu$ origin of replication	2 $\mu$ replicative overexpression vector	(19)
pSP-AC	<i>URA3</i> gene, <i>ARS/CEN</i> region	<i>ARS/CEN</i> expression vector	This study
pSP-ATR1*	<i>URA3</i> gene, 2 $\mu$ origin of replication, cloned <i>ATR1</i> gene under the control of <i>TEF1</i> promoter	Overexpression of <i>ATR1</i> gene	This study
pSP-YAP1*	<i>URA3</i> gene, 2 $\mu$ origin of replication, cloned <i>YAP1</i> gene under the control of <i>TEF1</i> promoter	Overexpression of <i>YAP1</i> gene	This study
pSP-FLR1*	<i>URA3</i> gene, 2 $\mu$ origin of replication, cloned <i>FLR1</i> gene under the control of <i>PGK1</i> promoter	Overexpression of <i>FLR1</i> gene	This study
pSP-AC-GSH1**	<i>URA3</i> gene, <i>ARS/CEN</i> region, cloned <i>GSH1</i> gene under the control of <i>TEF1</i> promoter	Expression of <i>GSH1</i> gene	This study

\*pSP-G2 derivate, \*\*pSP-AC derivate

**Table S2.** List of primers used in this work

Oligonucleotide	Sequence (5'-3')	Restriction enzyme
ScFLR1-r	gagaGAGCTCctactcctctgtgtacgaag	SacI
ScFLR1-f	gagaGCGGCCGctatgtatacacttcaactg	NotI
ScATR1-r	gagaGCTAGCctaagccacagtgcacatcg	NheI
ScATR1-f	gagaGGATCCatgggcaatcagtcattagt	BamHI
ScYAP1-r	gagaGCTAGCccgctttagttcatatgct	NheI
ScYAP1-f	gagaAGATCTatgagtgtgtctaccgcc	BglII
ScGSH1-r	gaggACTAGTaggagtttaacatttgctttc	SpeI
ScGSH1-f	gagaAGATCTatgggactcttagctttgg	BglII