

**Table S3 Oligo sequences**

CKO Number	Sequence	Function	Gene	Name
CKO099	CCCAGCGTTCCGTAGCAAAGGCGTCAGGATC GTCAAACGTCCTTTTTTTTTTTTTTTTTTTT	3' RACE Oligo dT primer		APdT
CKO100	CCCAGCGTTCCGTAGCAAAGG	3' RACE primer		UAP
CKO101	CGTCAGGATCGTCAAACGTCC	Nested 3' RACE primer		AUAP
CKO468	AAGATGAAATTATCAACTGTCC	Northern Probe	<i>SED1</i>	SED1 F
CKO469	CATAGCAACACCAGCCAAACC	Northern Probe	<i>SED1</i>	SED1 R
CKO551	ATGACTAACGAAAAGGTCTGG	Northern Probe	<i>LYS2</i>	LYS2 F
CKO552	CTGGCTTGTCAAATCTTGGG	Northern Probe	<i>LYS2</i>	LYS2 MID R
CKO105	TTCGACTCTTTTACGAGGG	Northern Probe	<i>FLO8</i>	FLO8 F
CKO106	ATTGAGATCGTAATCCGGTC	Northern Probe	<i>FLO8</i>	FLO8 R
CKO553	GGAACAGACACAAACAGCAG	Northern Probe	<i>STE11</i>	STE11 F
CKO554	TCAAATTATGTGTGCATCCAG	Northern Probe	<i>STE11</i>	STE11 R
CKO843	TAACGAAAAGGTCTGGATAG	For 3' RACE of <i>LYS2</i>	<i>LYS2</i>	LYS2 5' alt1
CKO844	GAGAAGTTGGATAATCCAAC	For nested 3' RACE of <i>LYS2</i> (after CKO843)	<i>LYS2</i>	LYS2 5' alt2
CKO839*	CACTTGCAATTACATAAAAAATTCCGGCGGTT TTTCGCGTG <b><u>CGTACGCTGCAGGTCGAC</u></b>	KO or replacement of <i>LYS2</i> promoter	<i>LYS2</i>	lys2ΔPROM F
CKO840*	TTGGATTATCCAACCTTCTCTATCCAGACCTTTT CGTTAGT <b><u>CATCGATGAATTCTCTGTCG</u></b>	KO or replacement of <i>LYS2</i> promoter	<i>LYS2</i>	lys2ΔPROM R
CKO841*	CACTTGCAATTACATAAAAAATTCCGGCGGTT TTTCGCGTG <b><u>ATCGATGAATTCTCTGTCG</u></b>	KO of <i>LYS2</i> promoter	<i>LYS2</i>	lys2ΔPROM_RE VORIENT F
CKO842*	TTGGATTATCCAACCTTCTCTATCCAGACCTTTT CGTTAGT <b><u>CGTACGCTGCAGGTCGAC</u></b>	KO of <i>LYS2</i> promoter only	<i>LYS2</i>	lys2ΔPROM_RE VORIENT R
CKO1569	TCATTGTTAATTGTAGAATACAGC	lys2-1280 PE downstream	<i>LYS2</i>	lys2-1280 Primer Extension /5' RACE
CKO1585	TCATTAATGACCACGTTGGT	LYS2 RACE CKO1569 NESTED	<i>LYS2</i>	lys2-1280 5' RACE NESTED primer

\***Bold, underline** sequences represent portion of primer directed to plasmid for amplification of marker cassettes.