CLONING AND HETEROLOGOUS EXPRESSION OF *CRYPTOCOCCUS NEOFORMANS CnSRB1* cDNA IN *SACCHAROMYCES CEREVISIAE*

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Abstract. In this study, we report the results of cloning, sequencing and functional analysis by complementation test of the putative *Cryptococcus neoformans* homolog *CnSRB1*. The nucleotide sequence revealed 63% identity, and the deduced amino acid sequence showed 66 and 64% identity to its respective homolog of *Saccharomyces cerevisiae* and *Candida albicans*, respectively. Functional complementation test indicated that the putative *CnSRB1* gene could compensate the defect caused by a mutation in *ScSRB1* in the *S. cerevisiae srb1* mutant. Taken together, these results suggest that the putative CnSrb1p is a functional homolog of ScSrb1p.

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