



S8 Fig. H₂S is the determinant of *cbs* expression promoting catalase activity.

Catalase activity in crude extracts of Δcbs strains containing vectors (*cbs*⁻*sqr*⁻; CBS⁻H₂S⁻), P_{*tac-cbs*} (*cbs*⁺*sqr*⁻; CBS⁺H₂S⁺) only, or both of P_{*tac-cbs*} and P_{*BAD-sqr*} (*cbs*⁺*sqr*⁺; CBS⁺H₂S⁺). Cells were grown in M9 minimal medium (M9 salts plus 2 mM MgSO₄, 0.1 mM CaCl₂ and 0.2% casein acid hydrolysate), containing 200 μ M of IPTG and 0.02% arabinose, and treated with or without H₂O₂ (1 mM, 20 min) at their mid-log phase. Three individual experiments were taken. Significance was determined by one-way ANOVA; *p*-value: *, <0.05, **, <0.01, ***, <0.001.