Figure S5 relates to Figure 5

Supplementary Figure 5

Figure S5. The C-terminal tail of Hmo1 is required for Hmo1-mediated Rad5 pathway activation in the presence of DNA damage and for promoting DNA catenation/hemicatenation \textit{in vitro}. (A) Hmo1-C alleles show normal growth. wt (HY4103), \textit{hmo1} (HY1508), \textit{hmo1-C 22} (HY4113) and \textit{hmo1-C 64} (HY4101) cells were spotted. (B) Hmo1 affects the Rad5 pathway via its C-terminal tail. wt (FY1296),
hmo1 (HY3662), hmo1-C 64 (HY3732), rad5 (HY3664), rad5 hmo1 (HY3632), rad5 hmo1-C 64 (HY3735) strains were spotted. (C) Hmo1 alters DNA topology in a C-terminal tail-dependent manner. Following relaxation of 1 g of YIplac211 plasmid for 1 hour with wheat-germ topoisomerase I (TopoI), increasing amounts (2, 4 or 8 g) of full-length or C-terminally truncated Hmo1 proteins were added and the reaction was allowed to proceed for 15 or 60 min. The topoisomers were separated in a 0.6% agarose gel.