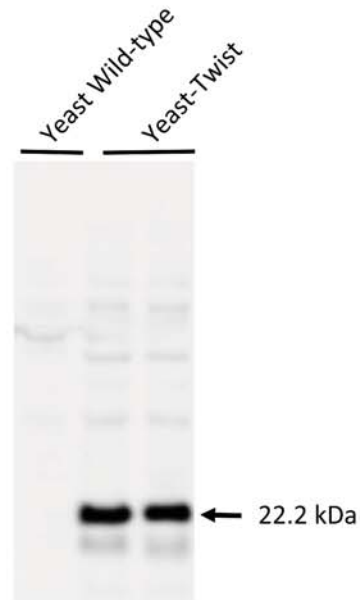


Supplemental Figure 1

Expression of murine Twist protein in *S. cerevisiae* Yeast



Supplemental Figure 1. *S. cerevisiae* yeast cells harboring a plasmid-borne copy of the murine *Twist* gene under control of the copper-inducible *CUP1* promoter were cultured in synthetic complete medium lacking both leucine and uracil to mid-exponential phase. Twist antigen expression was induced with 375 μM CuSO_4 for 2 hours. The culture was harvested, PBS-washed, and heat-inactivated at 56°C for 1 hour. Twenty YU (20×10^7 yeast cells) of yeast cells was lysed by glass bead rupture and heated for 5 minutes in denaturing SDS buffer (95°C). Total protein was quantified using a trichloroacetic acid precipitation-nitrocellulose binding assay and 4 μg was fractionated by SDS-PAGE alongside total protein isolated from wild-type yeast. Detection and quantification of the his-tagged Twist antigen was done by western blot using a his tag-specific mouse monoclonal antibody (EMD Millipore, Billerica, MA) followed by a HRP-coupled goat-anti-mouse secondary antibody (Dakocytomation, Denmark).