**Supplementary Figure 4** The wild type Sld2-P1 protein is not phosphorylated by DNA-PK. The Sld2-P1 protein (20 pmol) was first incubated with 40 units of rCdc28-Clb5 in the absence (lanes 1-4) or presence (lanes 5-8) of ATP at 30 °C for 1 h. After incubation, 125 units of DNA-PK (Promega) and ATP were added in both of them. The aliquots were withdrawn at the indicated time and subjected to western blotting with anti-pThr84 antibodies. The asterisk indicates the slow migrating form of Sld2-P1.