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online data

SUPPLEMENTARY ONLINE DATA

Identification of autophosphorylation sites in eukaryotic elongation factor-2 kinase

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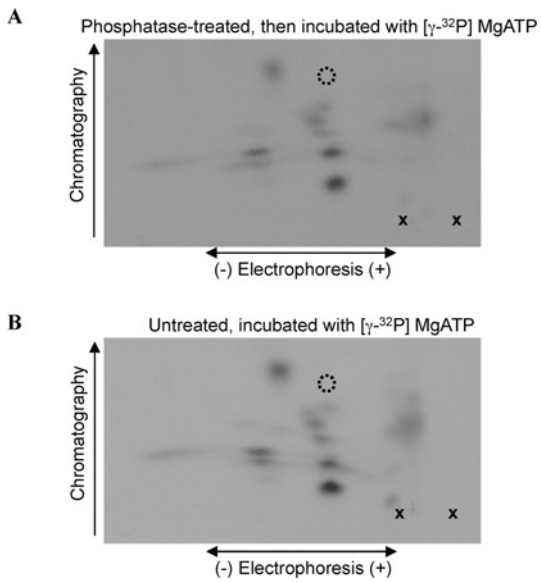

Figure S1 2D autophosphorylation peptide maps of alkaline-phosphatase-treated compared with untreated wild-type eEF2K

(**A**) Wild-type eEF2K was first dephosphorylated with alkaline phosphatase and subsequently allowed to undergo autophosphorylation in the presence of Ca^{2+}/CaM as described in the Experimental section of the main text. (**B**) Wild-type eEF2K phosphorylated in the presence of Ca^{2+}/CaM without pre-treatment. After tryptic digestion, phosphopeptides were resolved by 2D electrophoresis and chromatography (polarity and directions are indicated). The positions where the sample (larger 'X') and the DNP-lysine (smaller 'x') were applied, and the final migration position of the DNP–lysine marker (broken open circle) are also shown.

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