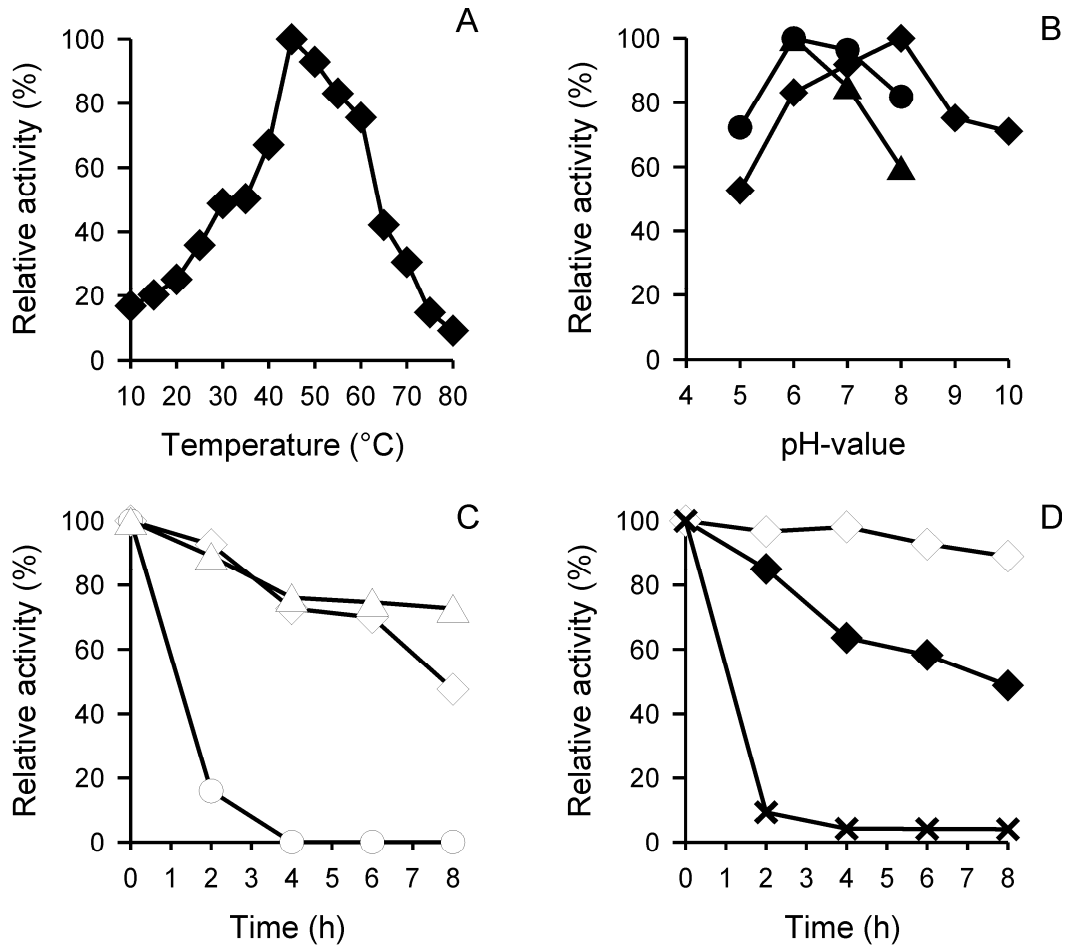

***Figure S 1*:** Effects of temperature (**A**) and pH (**B**) on the activity of *Xpo*GH78. (**A**) Temperature was varied from 10 to 80°C in MOPS buffer (100 mM, pH 6.0), substrate MFA; (**B**) pH was varied from 5 to 10 using the same buffer (MOPS, 100 mM) and 3,4-dimethoxybenzyl acetate (*black circles*), veratric acid methyl ester (*black triangles*) and MFA (*black squares*) as substrates. Stability of purified *Xpo*GH78 over time (8 hours) at different pH-values (**C**) and temperatures (**D**); (**C**) pH 10 (*open squares*), pH 7 (*open triangles*), pH 3 (*open circles*) in citrate/phosphate buffer (50 mM); (**D**) 25 °C (*open squares*), 40 °C (*black squares*), 60 °C (*crosses*) in MOPS buffer (50 mM, pH 6.0). All experiments were performed in triplicates, standard deviation <5%.