Supporting information

Dimerization of the cellular prion protein inhibits propagation of scrapie prions

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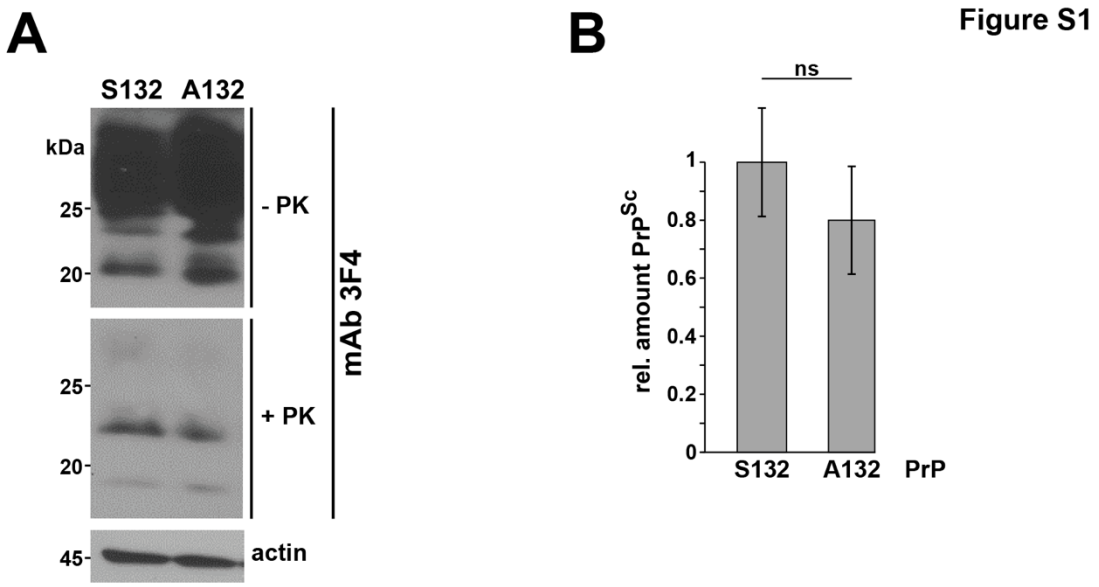

Figure S1

FIGURE S1. Mutation of serine 132 does not significantly interfere with propagation of PrP^{Sc}.
(A) Persistently infected 22L-ScN2a cells were transiently transfected with $wtPrP^{C}$ (S132) or a variant in which S132 was replaced by alanine (A132). Cell lysates were prepared and subjected to PK digestion (+PK) or left untreated (-PK) prior to the immunoblot analysis using the monoclonal anti-PrP antibody 3F4 to exclusively detect the transfected PrP but not endogenous PrP. (**B**) Quantitative analysis of the amount of 3F4-positive PK-resistant PrP^{Sc} in transfected 22L-ScN2a cells. PrP^{Sc} was measured densitometrically using ImageJ software. The relative amount of PrP^{Sc} present in cells expressing $wtPrP^{C}$ was set as 1. Data represent mean ± SD of 4 independent experiments.