*Supplementary Material*

# Emergence of two prion subtypes in ovine PrP transgenic mice infected with human MM2-cortical Creutzfeldt-Jakob disease prions

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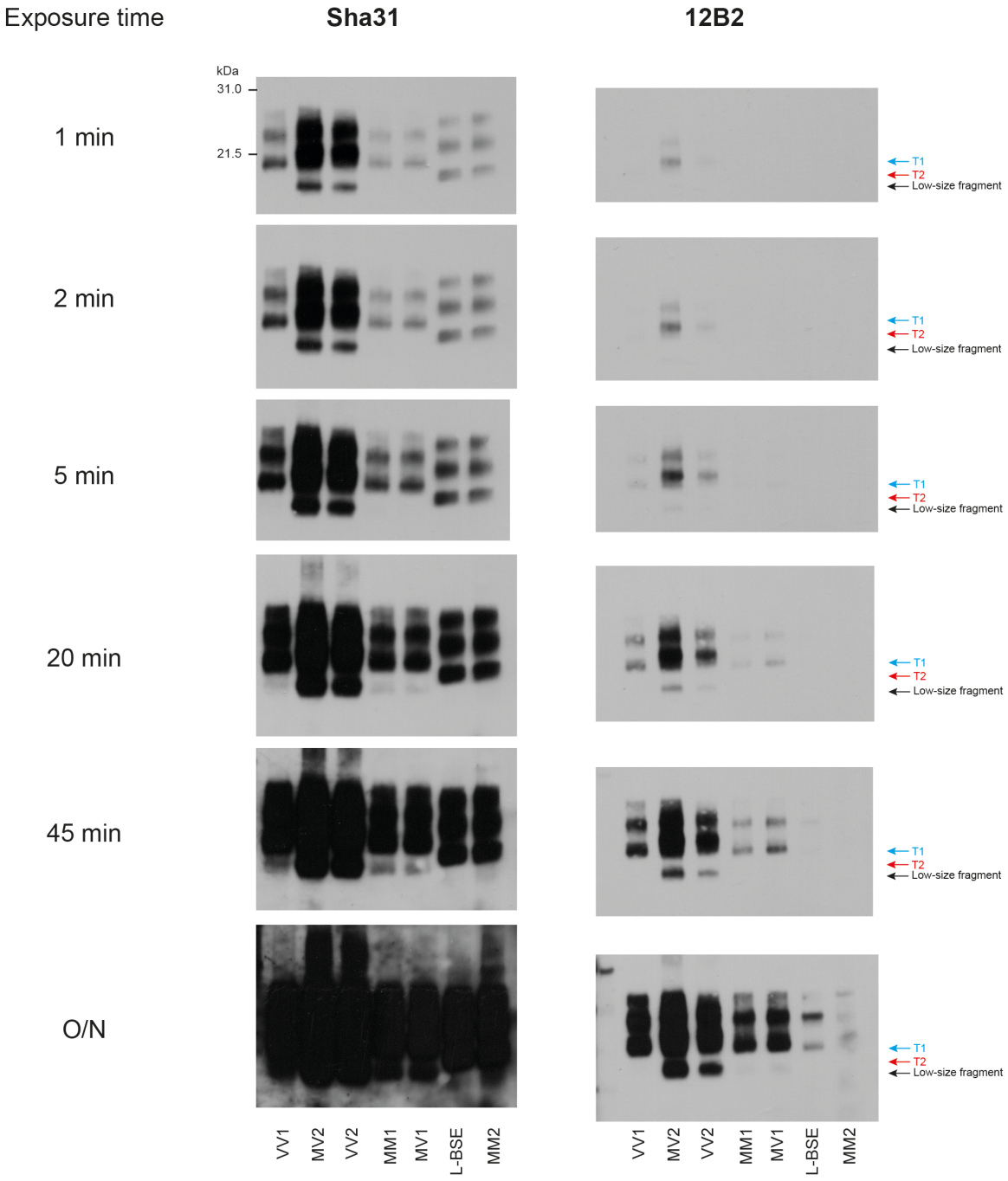


**Figure S1. Electrophoretic pattern of $PrP^{res}$ in the brain of human PrP transgenic mice inoculated with MM2-sCJD prions**

Western blot analysis of $PrP^{res}$ in the brain of tg650 mice infected with MM2-sCJD prions, after blotting with Sha31 antibody (left) or 12B2 antibody specific for Type 1 $PrP^{res}$ (right), at different times of exposure. The banding patterns observed on transmission of other CJD

subtypes and atypical L-BSE (which exhibits a T2 signature) are shown for comparison. The equivalent of 1 mg (Sha31) and 7 mg (12B12) tissue were run on the SDS-PAGE gels for MM2-sCJD and L-BSE infected brains. The equivalent of 1 mg (Sha31, VV1, MM1, MV1; 12B2, MV2, VV2), 0.5 mg (Sha31 MV2, VV2), 2 mg (12B2, VV1, MM1, MV1) were loaded for the other samples.

Red and blue arrows denote the unglysosylated bands of $PrP^{res}$ migrating at 21 kDa (T1) and 19 kDa (T2), respectively. A black arrow shows the presence of low-size $PrP^{res}$ fragments in the brain of diseased tg650 mice. Molecular masses (MM) of protein standards are indicated in kilodaltons.