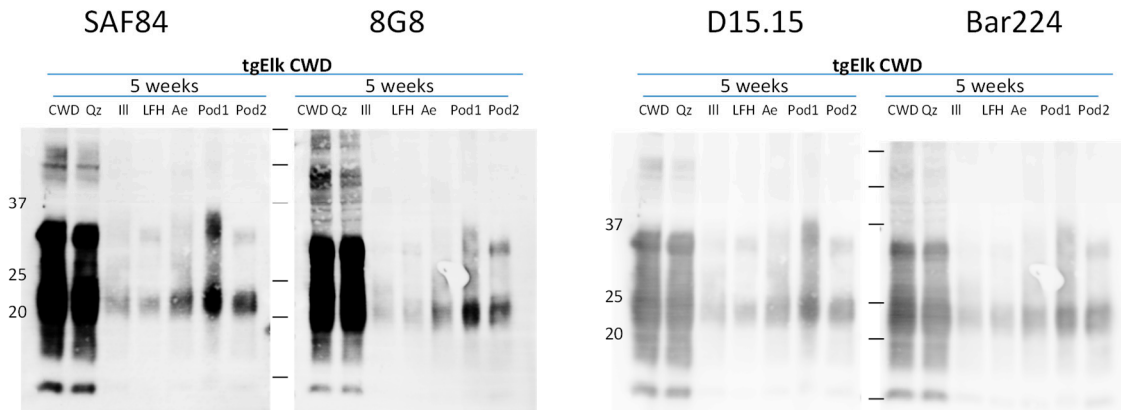
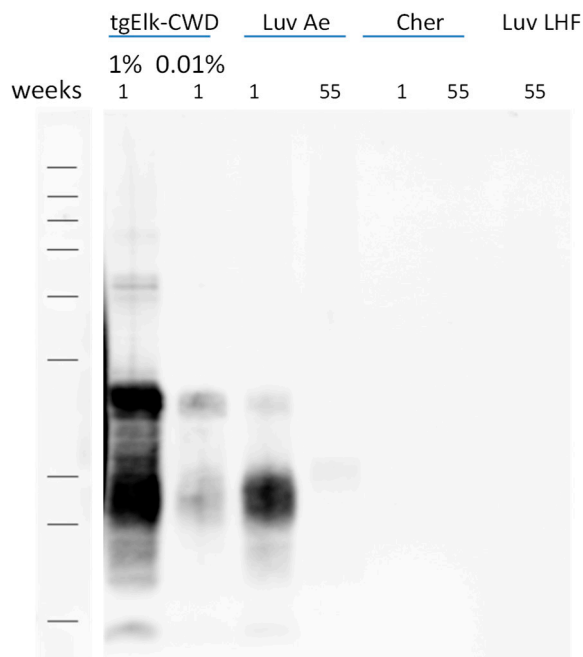


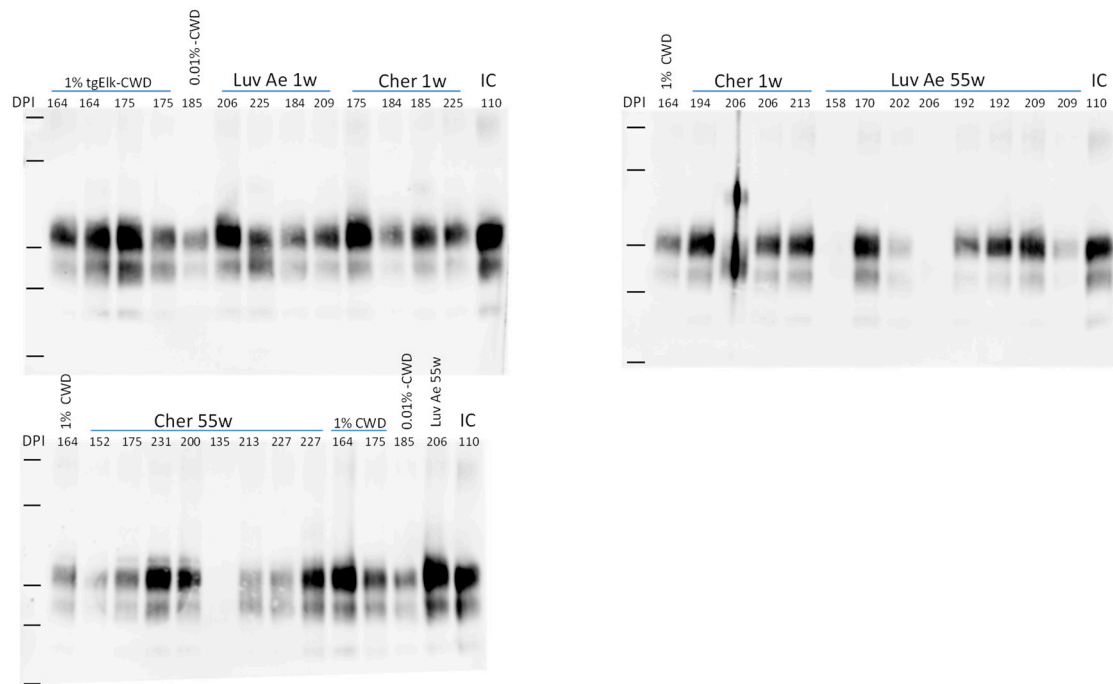
**Supplementary information: Figures S1-S4**



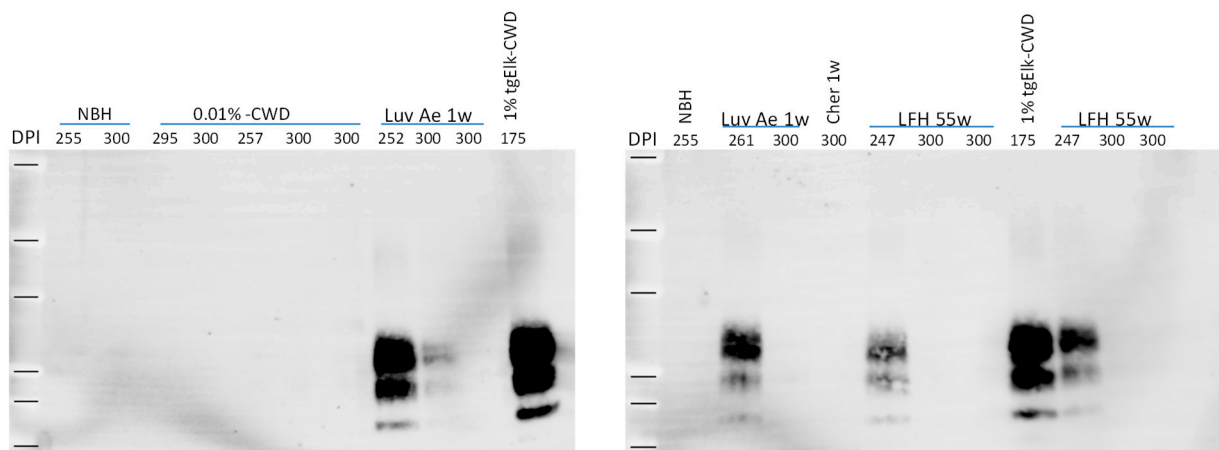
**Figure S1.** Decreasing of PrP signal extracted after incubation with soils and soil minerals for 5 weeks.



**Figure S2.** Inoculum for animal bioassay with tgElk mice i.p. inoculated with 1% CWD-BH incubated with Luvisolic Ae, LFH and Chernozemic Ah horizons for 1 week and 55 weeks.



**Figure S3.** Accumulation of PrP<sup>res</sup> in brains harvested from mice with clinical signs. Numbers represent days after inoculation when animal was harvested.



**Figure S4.** Accumulation of PrP<sup>res</sup> in brains harvested from mice with clinical signal and at the end of experiment (without clinical signs).