



**Additional file 1:** Western blot of WT mouse brain lysate with anti-TMEM106B antibodies. The lysate in the SDS sample buffer without 2-mercaptoethanol was either kept on ice all the time (non-boiled) or boiled at 95C for 2 minutes (boiled) before loading on SDS-PAGE. Under cold conditions, TMEM106B runs as a dimer that's reduced to monomer upon boiling.