



Figure S4. Substantial reduction of free SUMO2/3 in different organs of *Sumo2*^{+/-} mice compared with *Sumo3*^{-/-} mice. Total proteins were extracted from brains, hearts, and kidneys of wild-type and mutant 8–10 months-old mice. Blots (left) were probed with anti-SUMO2/3 antibody. GAPDH served as loading control. Bar graphs (right) show relative amount of free SUMO2/3 in *Sumo2*^{+/-} and *Sumo3*^{-/-} mice compared with their control littermates corrected for GAPDH. Data are presented as means ± SD (n=4 for *Sumo2*^{+/+} and *Sumo2*^{+/-} mice; n=3 for *Sumo2*^{+/+} mice, and n=5 for *Sumo3*^{-/-} mice; **P* < 0.05, ***P* < 0.01, ****P* < 0.001).