Figure S1. Overexpression of MPZ mutants and elevation of ER stress markers. Western blot analysis indicating the expression of Myc-tagged MPZ WT or mutants after transfection into RT4 cells for 48 h. Elevated level of CHOP was observed in MPZ-V169fs and MPZ-R98C mutants; however, the BiP level was elevated only in MPZ-V169fs mutant-overexpressing cells. NC, negative control (no transfection); Myc, pCMV-Myc control vector; WT, pCMV-Myc-MPZ-WT (248 a.a.); V169fs, pCMV-Myc-MPZ-V169fs (c.506delT 250 a.a.); V184fs, pCMV-Myc-MPZ-V184fs (c.549\_550insG, 233 a.a.); R185fs, pCMV-Myc-MPZ-R185fs (c.554delG, 250 a.a.); S226fs, pCMV-Myc-MPZ-S226fs (c.676\_677insCA, 251 a.a.); and R98C, pCMV-Myc-MPZ-R98C (c.292C>T, 248 a.a.). MPZ, myelin protein zero.

