



Supplementary Figure S1: The expression of ChAT on thawed MNs. (a–d) Identification H9 healthy hESC (a), SOD1<sup>G85G</sup> (b), SOD1<sup>G85R</sup> (c) and sporadic ALS (d) iPSC-derived MNs using MN (ChAT) and neuronal specific marker ( $\beta$ -III-tubulin) expression after 4 days of thawing. (e) Calculation of the ChAT expression ratio of  $\beta$ -III-tubulin+ cells. Number 1–3 presenting the separated and merged images in (a–d). Scale bar, 100  $\mu$ m.