

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: This file includes stability ratios measured by BruChase-seq for mapped transcripts from C9ALS and sALS fibroblasts, illustrated in Fig. 1.

File Name: Supplementary Data 2

Description: This file includes synthesis rates measured by Bru-seq for mapped transcripts in C9ALS and sALS fibroblasts, illustrated in Fig. 2.

File Name: Supplementary Data 3

Description: This file includes stability ratios measured by BruChase-seq for mapped transcripts from C9ALS and sALS iPSCs, as well as iPSCs transfected with TDP43-EGFP, illustrated in Figs. 3, 4 and 7, and Supplementary figs. 4, 10 and 15.

File Name: Supplementary Data 4

Description: This file includes synthesis rates measured by Bru-seq for mapped transcripts in C9ALS and sALS iPSCs, as well as iPSCs transfected with TDP43-EGFP, illustrated in Supplementary figs. 6 and 11.

File Name: Supplementary Data 5

Description: This file includes relative abundances of proteins in C9ALS and sALS iPSCs as detected by mass spectrometry, illustrated in Figs. 5-7, and Supplementary figs. 14 and 15.