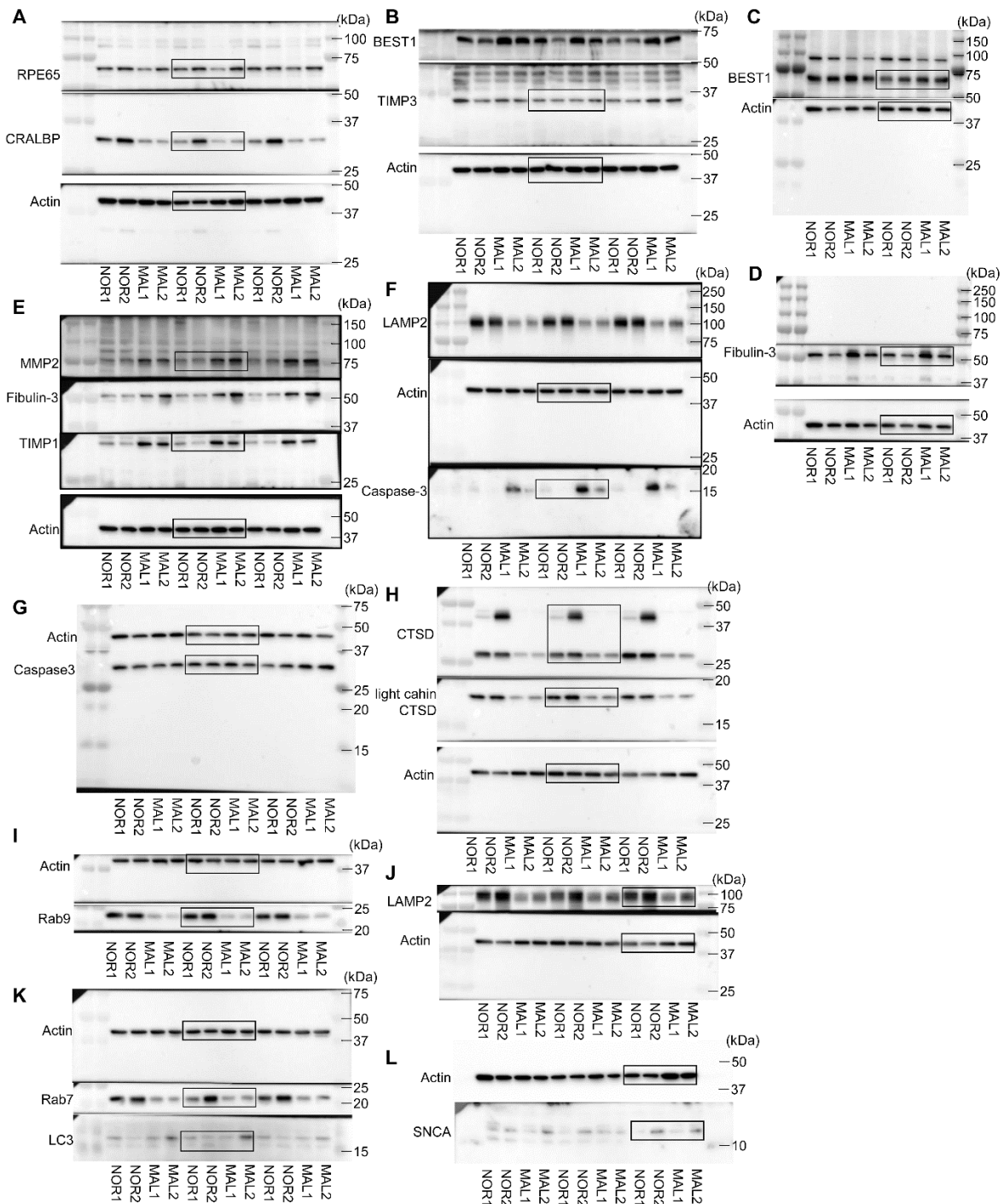
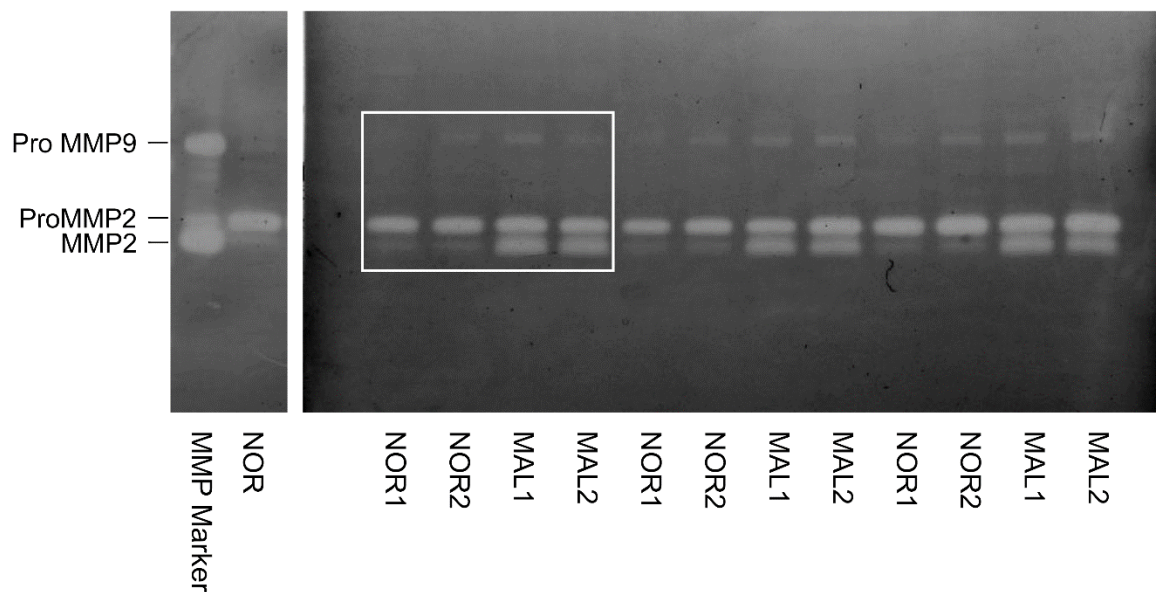




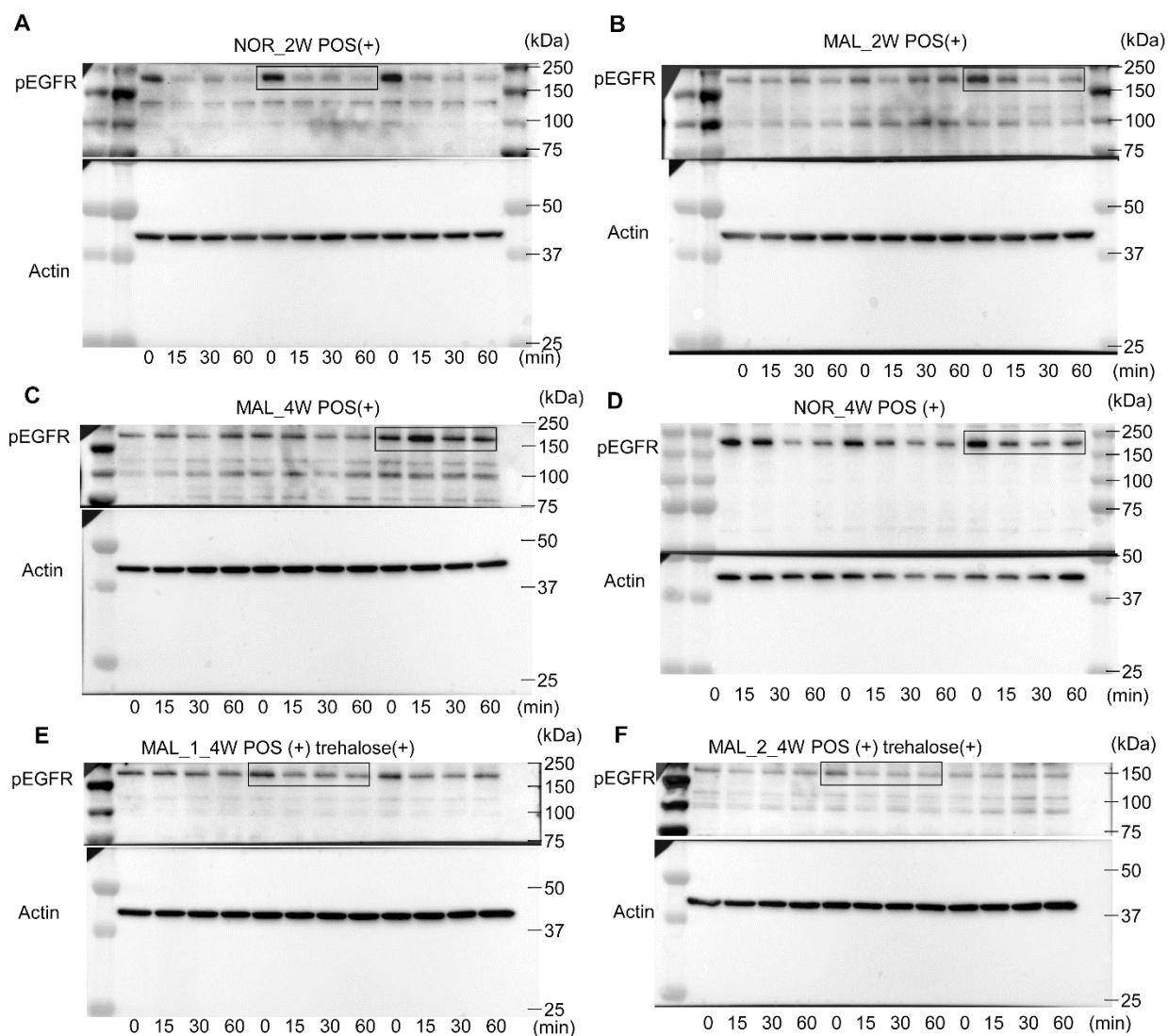
Complete scans of western blots.

Complete western bolt scans corresponding to Figures 1E, 2B, 2H, 6A, S5A. Protein expression of RPE65, CRALBP (A), TIMP3 (B), BEST1 (C), fibulin3 (D), MMP2, TIMP1 (E), CTSD, Caspase-3 (F), Caspase3 (G), CTSD, light chain CTSD (H), Rab9 (I), LAMP2 (J), Rab7, LC3 (K), and SNCA (L) were analyzed, with actin used as a loading control. RPE65, Retinal pigment epithelium-specific 65 kDa protein; CRALBP, retinaldehyde-binding protein; BEST1, Bestrophin-1; TIMP3, Metalloproteinase inhibitor 3; MMP2, Matrix metalloproteinase-2; TIMP1, Metalloproteinase inhibitor 1; LAMP2, Lysosome-associated membrane protein 2; CTSD, Cathepsin D; LC3, Microtubule-associated protein 1 light chain 3 alpha; SNCA, Alpha-synuclein; Rab9, Ras-related protein Rab-9; Rab7, Ras-related protein Rab-7; NOR, Normal iPSC-RPE; MAL, Malattia leventinese iPSC-RPE; kDa: kilodalton



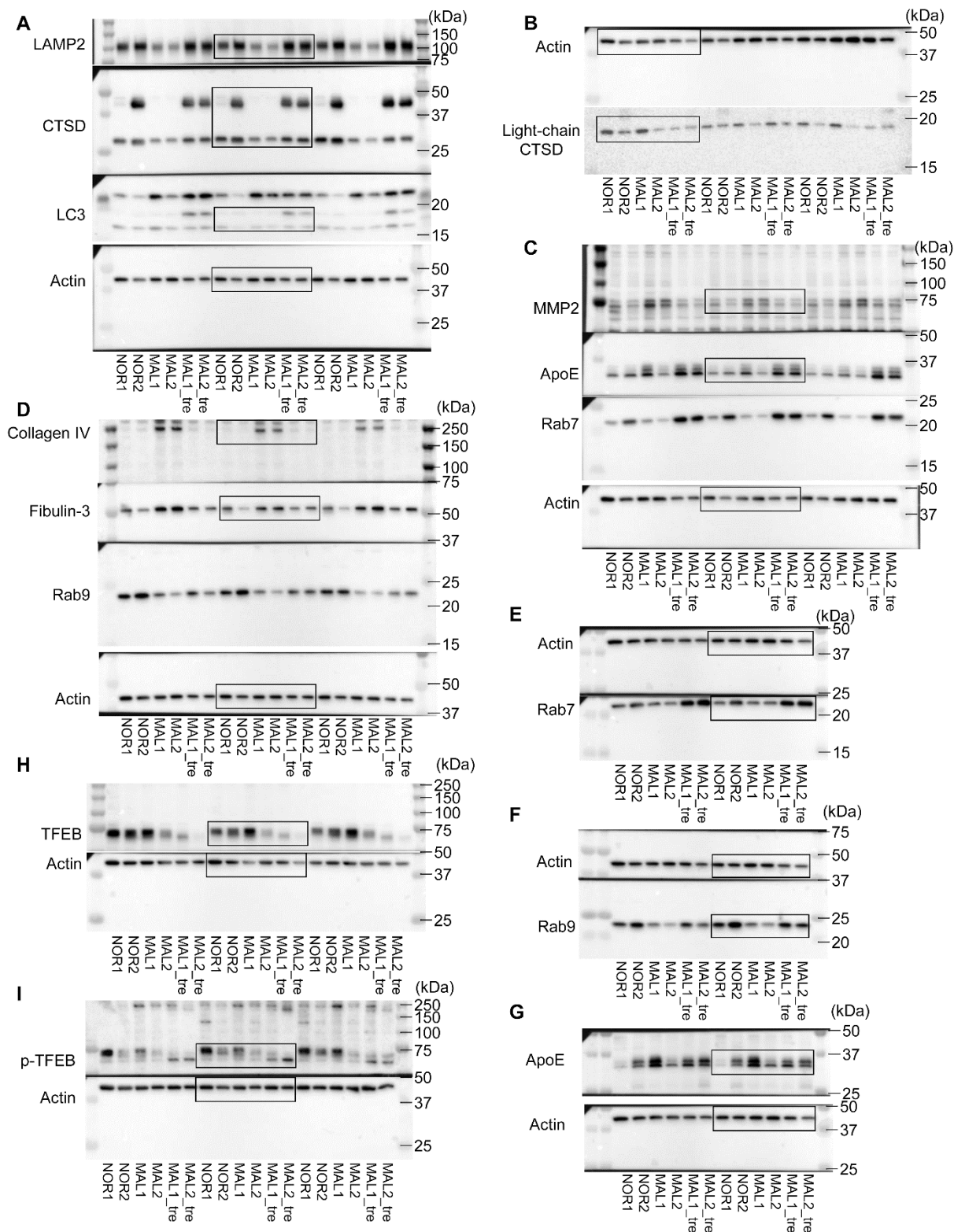
Complete scan of gelatin zymography.

A complete gelatin zymography scan corresponding to Figure 2J. NOR, normal iPSC-RPE; MAL, Malattia leventinese iPSC-RPE; MMP, matrix metalloproteinase.



Complete scans of western blots.

Complete scans of the western blots corresponding to Figures 7B, 8I. Degradation of the phosphorylated epidermal growth factor receptor (pEGFR) was analyzed, with actin used as a loading control. 2W POS (+), cultured for 4 weeks, followed by the addition of POS for an additional 2 weeks; 4W POS (+), cultured for 4 weeks, followed by the addition of POS for an additional 4 weeks; 4W POS (+) trehalose (+), cultured for 4 weeks, followed by the addition of POS and treatment with trehalose for an additional 4 weeks.



Complete scans of western blots.

Complete scans of western blots corresponding to Figures 8C, 10A, 10L. LAMP2, CTSD, LC3 (A), Light-chain CTSD (B), MMP2, ApoE, (C), collagen IV, fibulin-3 (D), Rab7 (E), Rab9 (F), ApoE (G), TFEB (H), p-TFEB (I) expression levels were analyzed, with actin used as a loading control. ApoE, Apolipoprotein E; TFEB, Transcription factor EB; p-TFEB phosphorylated Transcription factor EB; NOR, normal iPSC-RPE; MAL, Mallatia leventinese iPSC-RPE; MAL_trehalose, Mallatia leventinese iPSC-RPE treated with trehalose.

