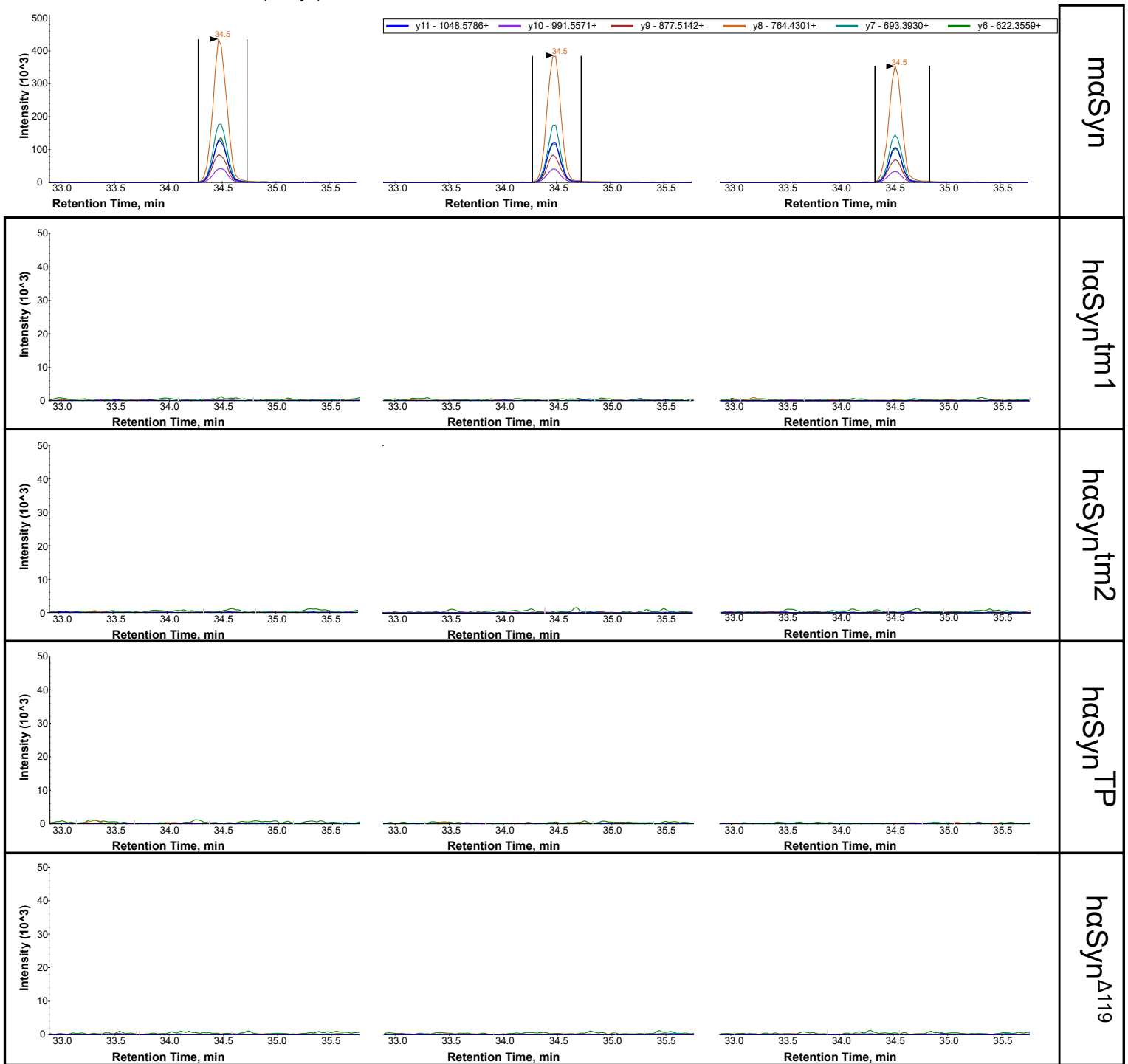


Supp. Fig. 3

81 TVEGAGNIAAATGFVK 96 (mαSyn)



N-terminus (1 - 60)

mαSyn 1 MDVFMKGLSKAKEGVVAAAETKQGVAAEAGKTKEGVLYVGSKTKEGVVHGVTTVAEKT

NAC domain (61 - 95)

C-terminus (96 - 140)

mαSyn 61 EQVTNVGGAVVTGVTAVAQKTVEGAGNIAAATGFVKKDKQMGKGEEGYQPGEILEDMPVDP

81 96

mαSyn 121 GSEAYEMPSEEGYQDYPEA 140

Supp. Fig. 3. Elution profiles of the six most-intense fragment ions of an mαSyn-specific peptide 81 – TVEGAGNIAAATGFVK – 96. Each fragment ion was named as: “y” fragments containing C-terminus, or “b” fragments containing N-terminus, followed by the number of amino acids that the fragment ion consisted of and its corresponding mass (single-charged). We detected this peptide only in wild type mice, confirming that no partial mαSyn was produced in any of the transgenic lines. Note that this peptide is located in the NAC-domain of the mαSyn protein (bottom diagram).