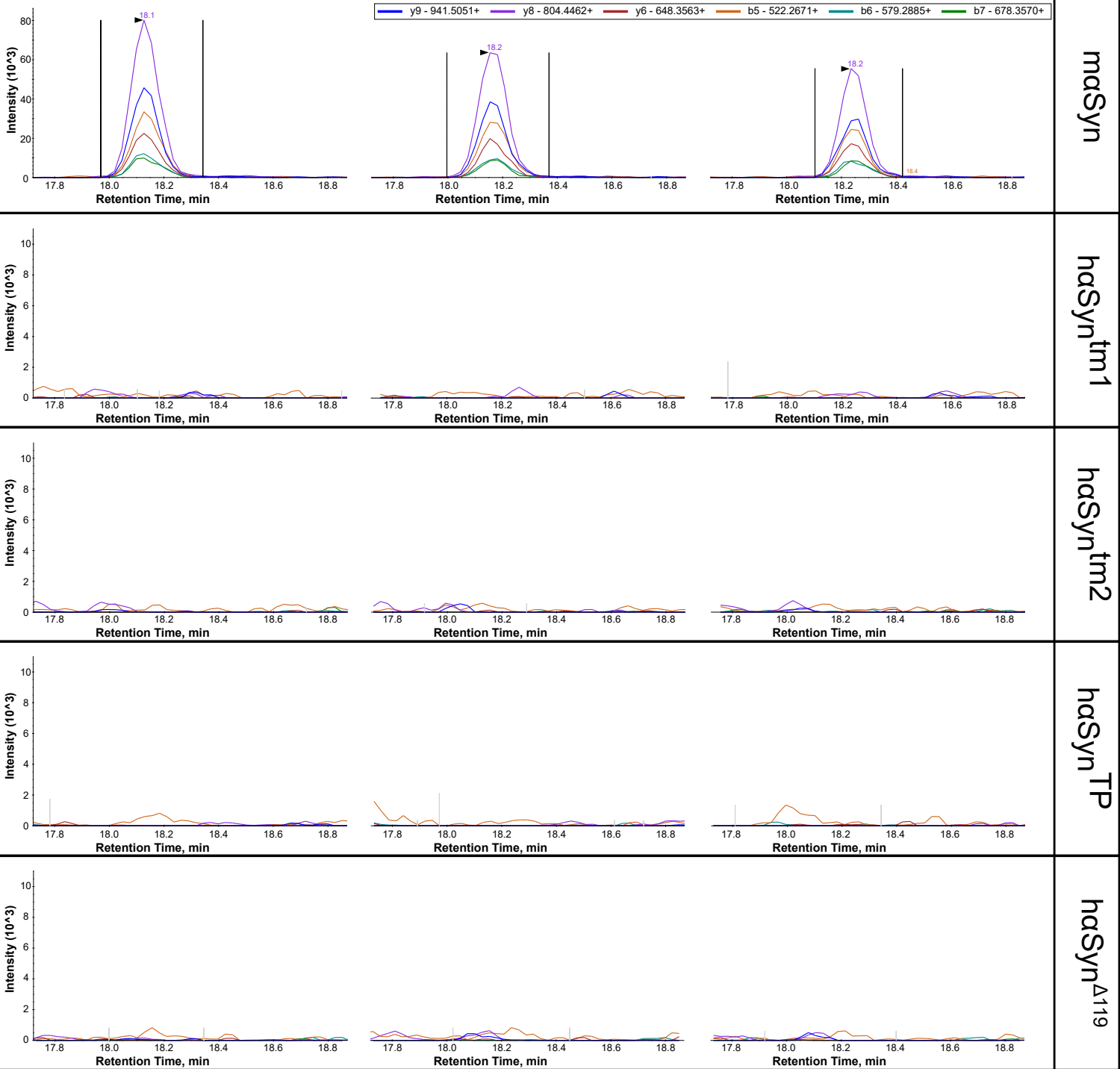


## Supp. Fig. 2

46 EGVVHGVTVAEK 58 (mαSyn)



### N-terminus (1 - 60)

mαSyn 1 MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYVGSKTKEGVVHGVTVAEKTK  
46 58

### NAC domain (61 - 95)

### C-terminus (96 - 140)

mαSyn 61 EQVTNVGGAVVTGVTAVAQKTVEGAGNIAAATGFVKKDKMGKGEEGYPQEGILEDMPVDP

mαSyn 121 GSEAYEMPSEEGYQDYPEA 140

**Supp. Fig. 2.** Elution profiles of the six most-intense fragment ions of the mαSyn-specific peptide 46 - EGVV-HGVTVAEK - 58. 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 N-terminus of the mαSyn protein (bottom diagram).