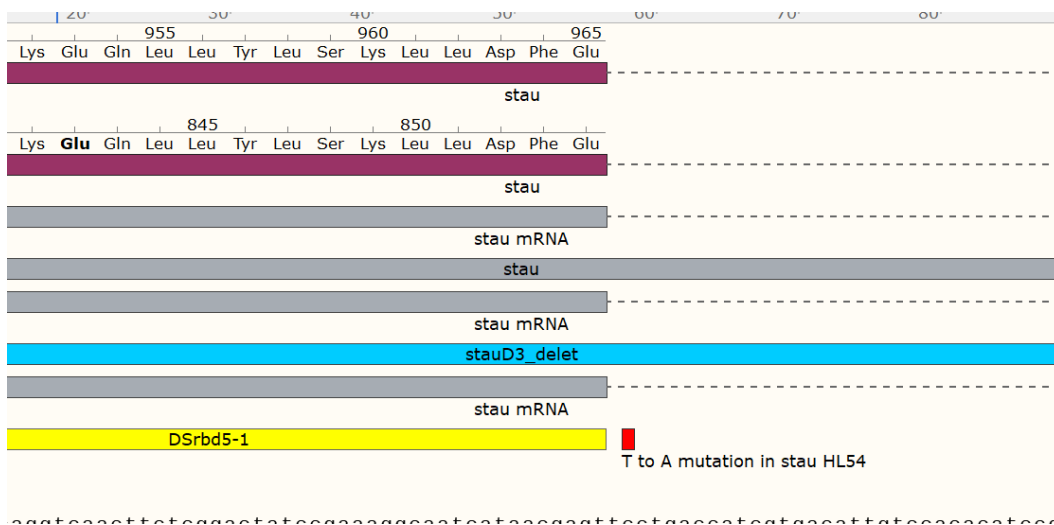
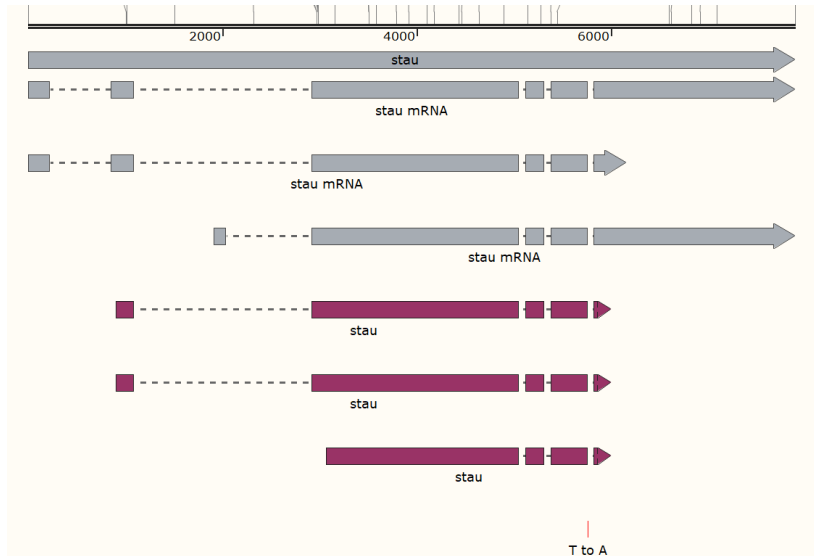


StauHL54: T to A mutation is at the location of 2R: 18120022 (red feature in the DNA annotation shown below), which is close to the beginning of the 4th intron. This mutation may result in the deficiency of splicing and the truncation of the 5th RNA binding domain.



*wt*:

GCTGGACTTTGAGgtaagctcaccaacggaatga

*mut*:

GCTGAGTTGAGgactcaagcctacggaa tga

(Red: synonymous mutation; Green: T to A mutation; Pink: early occurrence of stop codon may be resulted from deficient splicing)

StauD3: the sequence starting from 2nd exon (blue feature in the DNA annotation shown below) is replaced with a 3P3-RFP fragment (green feature in the DNA annotation shown below).

