

Dataset S3

Editing analysis of *dyw2-2* and *nuwa-1* by Sanger sequencing of targeted RT-PCR products.

LEGEND

Chromosome and transcript name

Mitochondria: *nad4*

Editing site

Mutant Sanger sequencing chromatogram

DEE of the corresponding editing site for the primary allele based on the RNA-seq data. Only statistically significant values are shown.

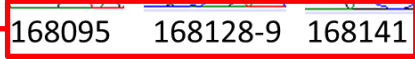
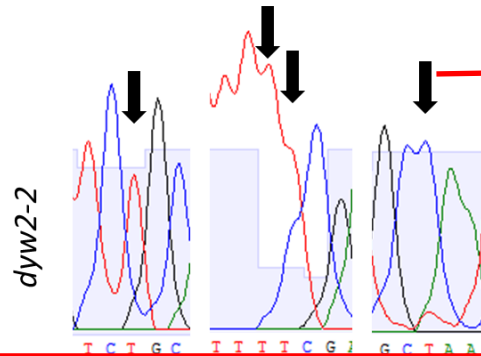
RNAseq

-25% -74%

Control Sanger sequencing chromatogram

Genomic position of the editing site

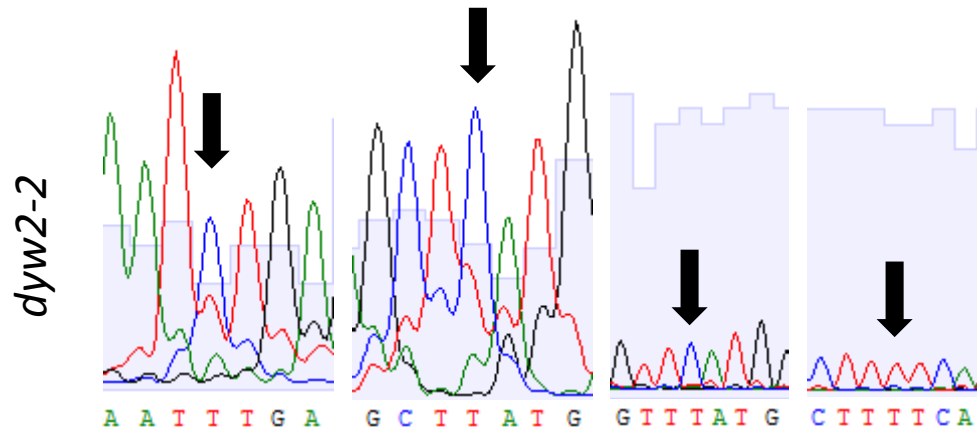
168095 168128-9 168141



dyw2-2

4 chloroplastic editing sites
57 mitochondrial editing sites

Chloroplast



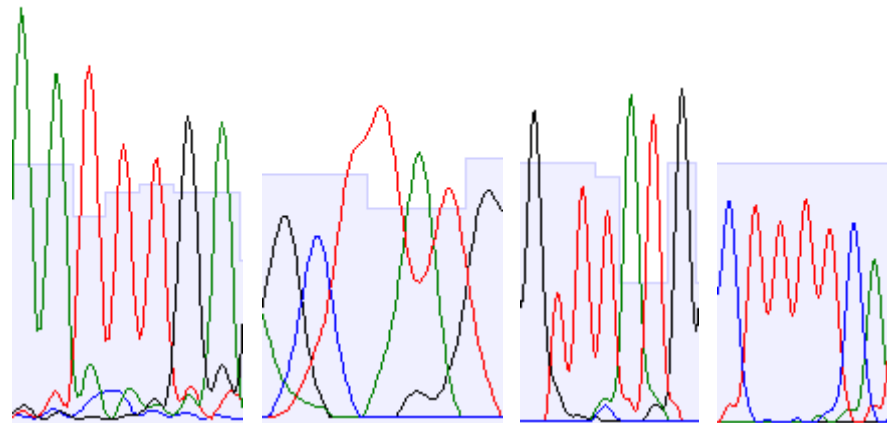
RNAseq

-99%

-97%

-98%

CT



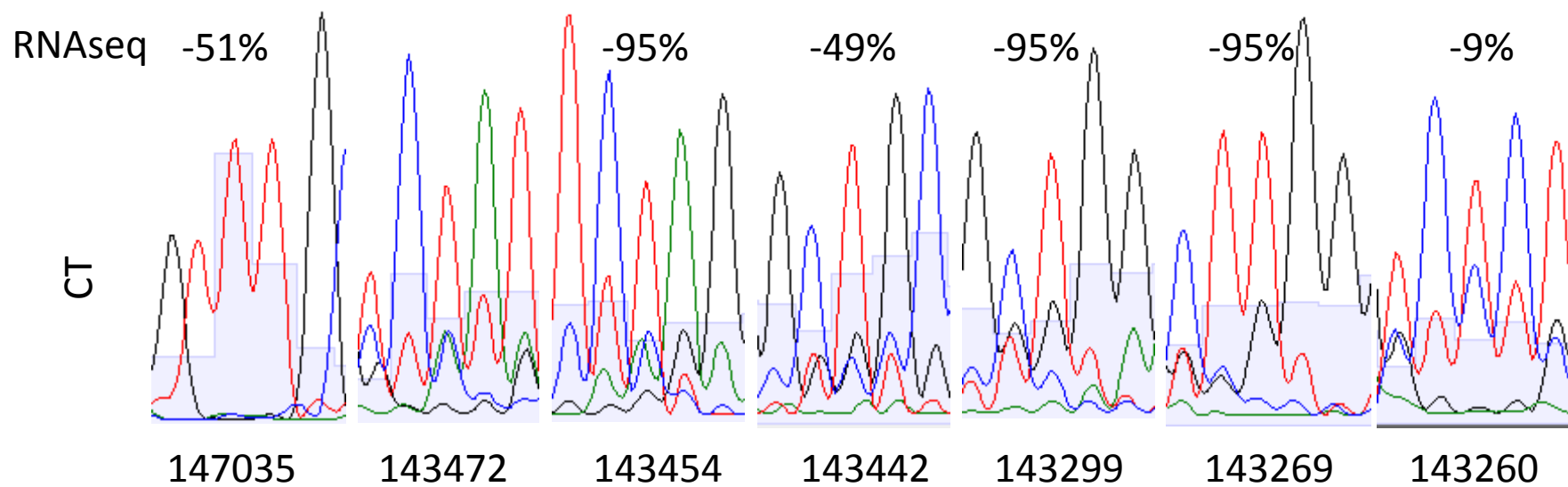
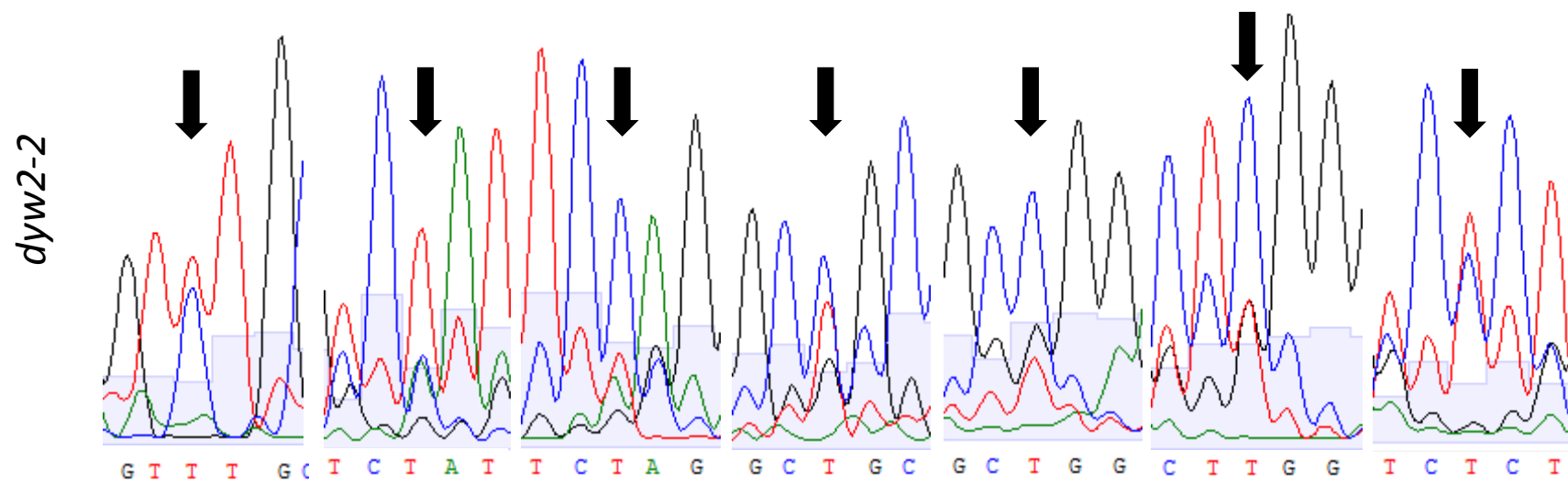
78691
rpoA

69942
clpP

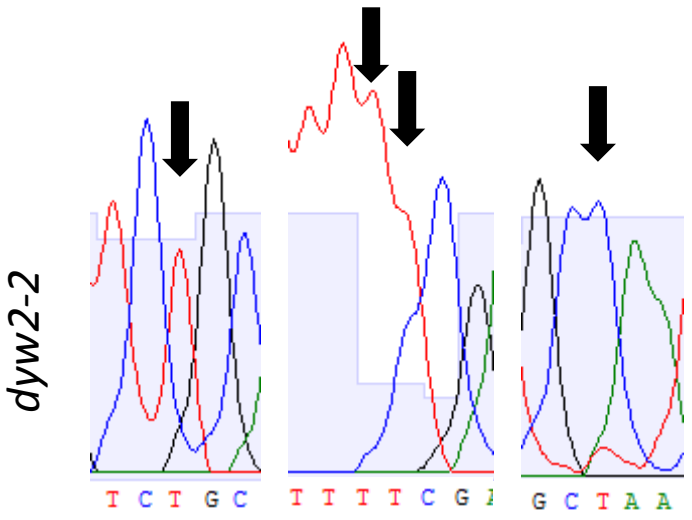
96579
ndhB

96419
ndhB

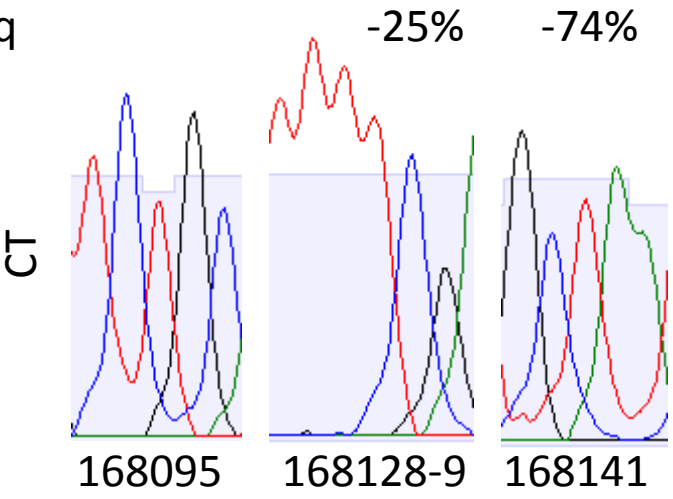
Mitochondria : *nad1*



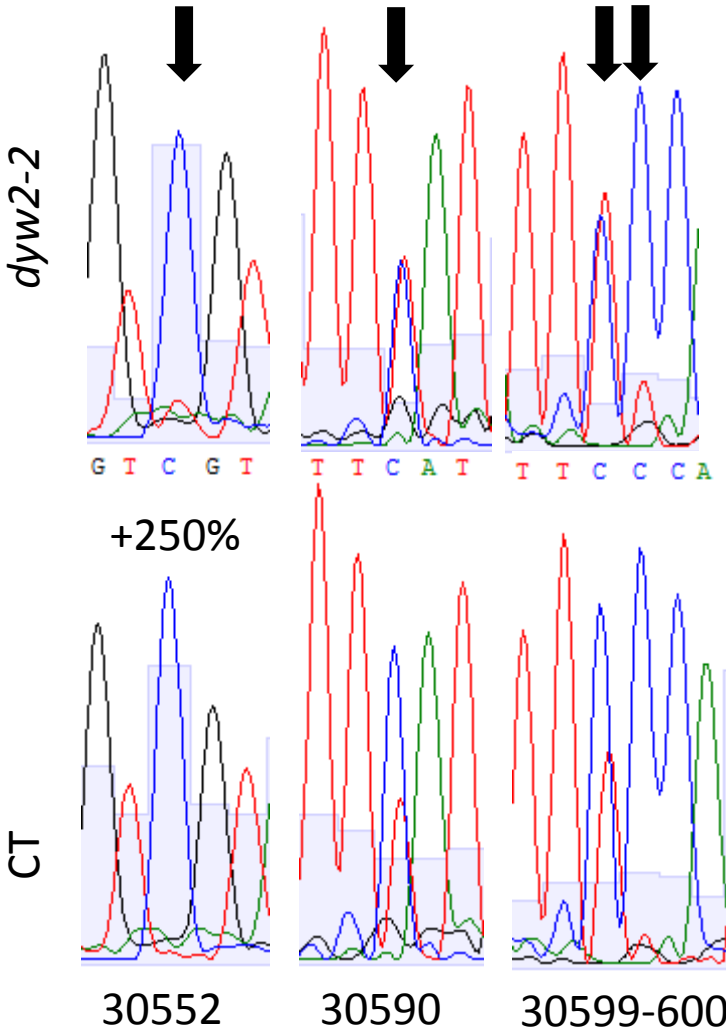
Mitochondria: *nad4*



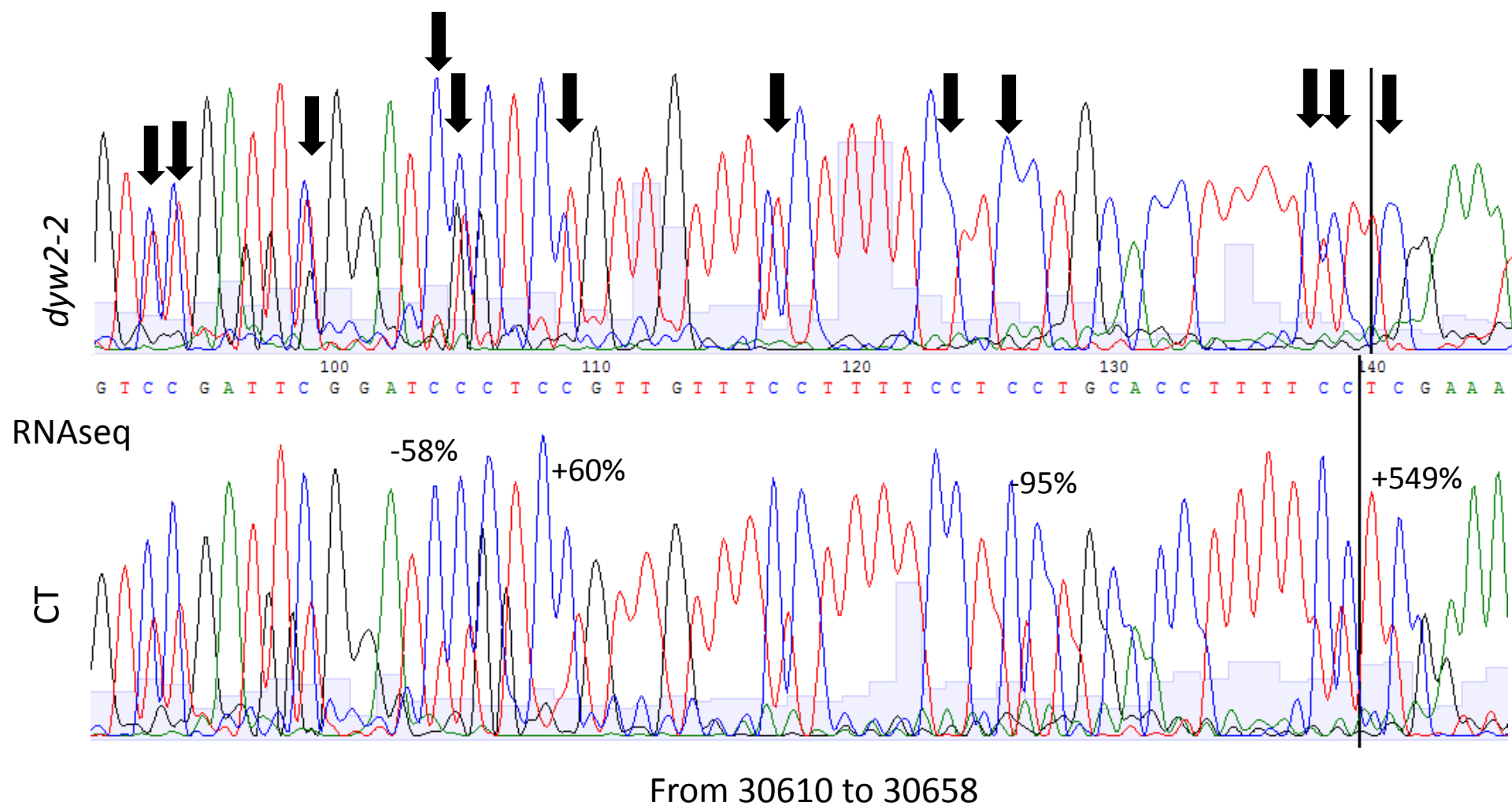
RNAseq



Mitochondria: *ccmB*

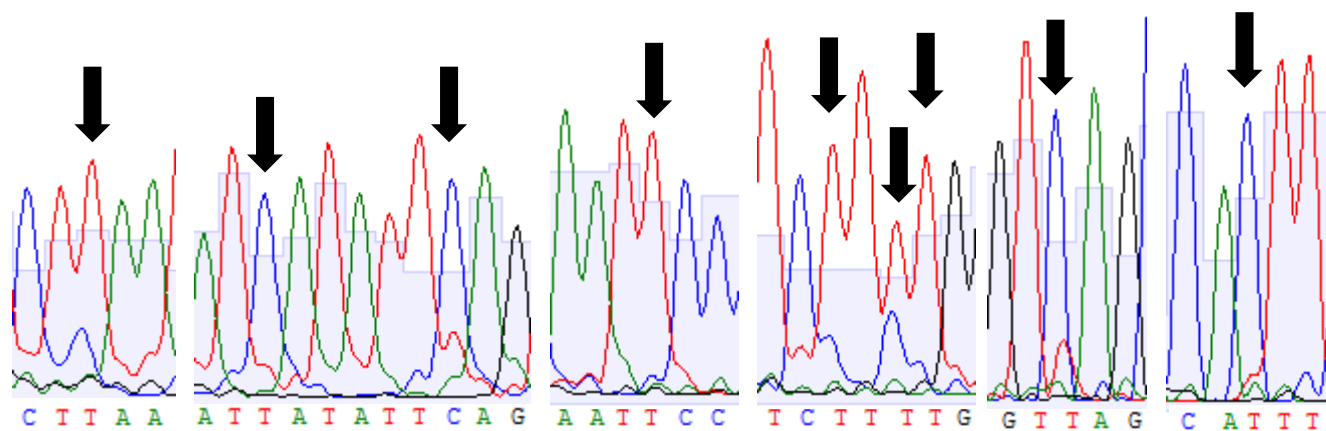


Mitochondria: *cmbB*



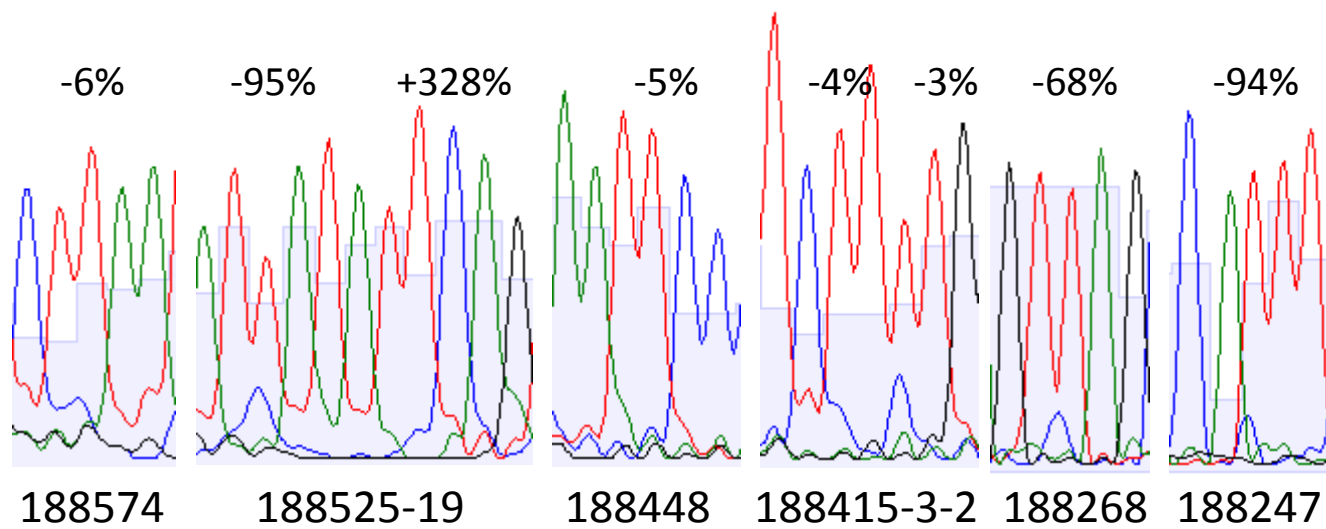
Mitochondria: *atp4*

dyw2-2

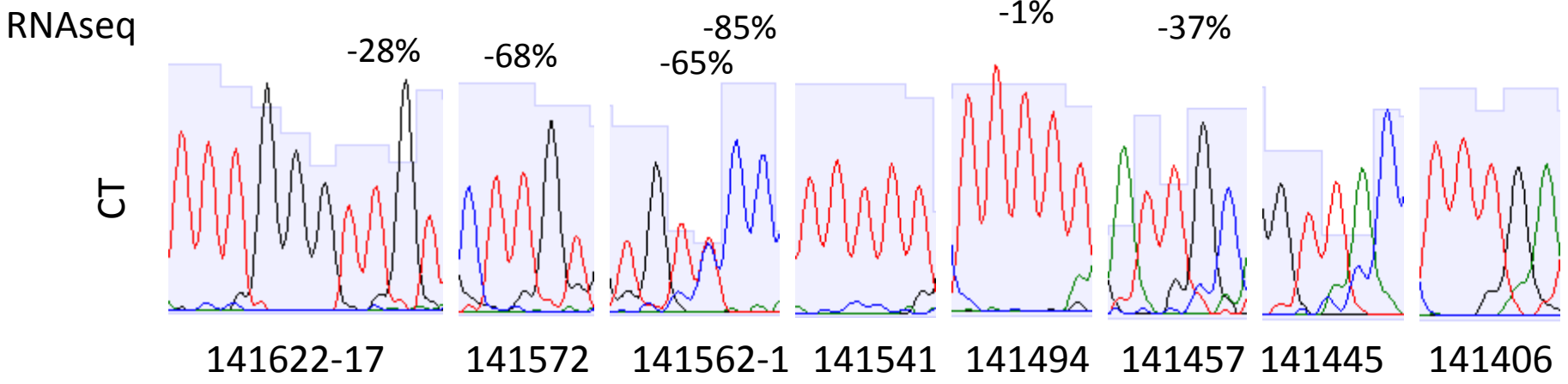
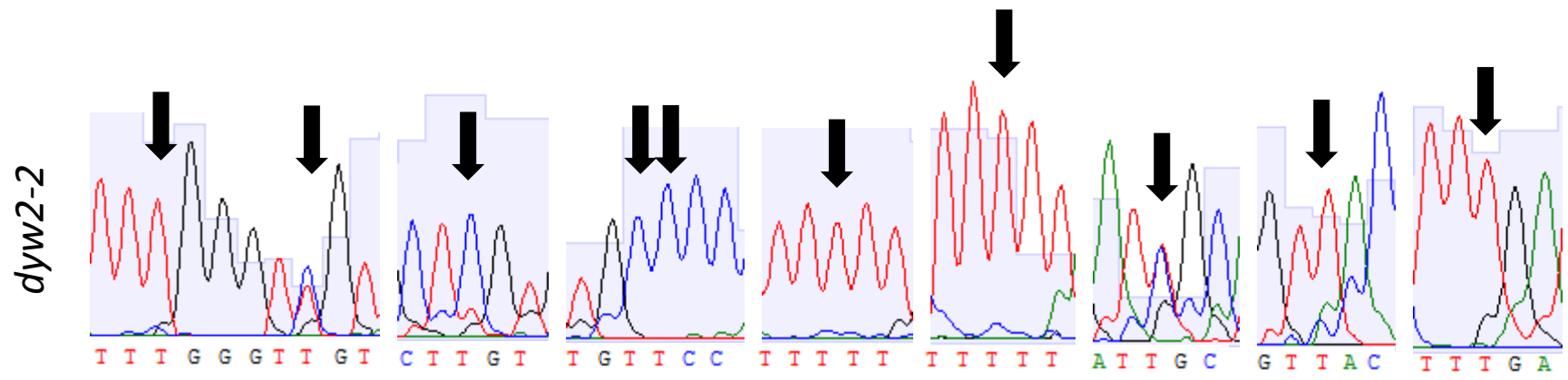


RNAseq

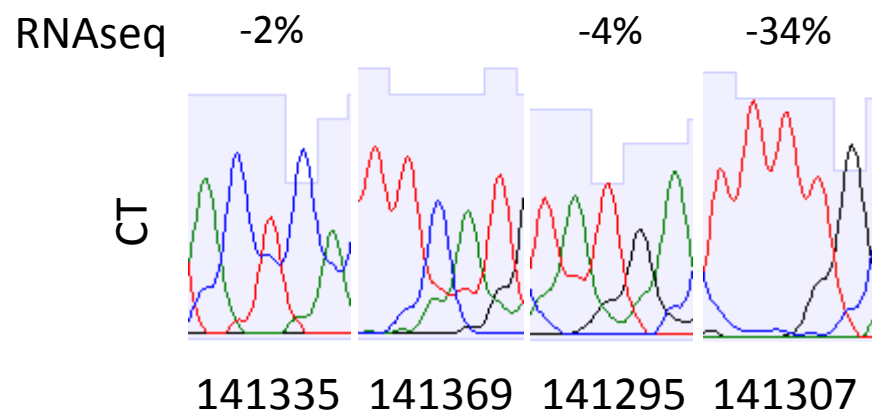
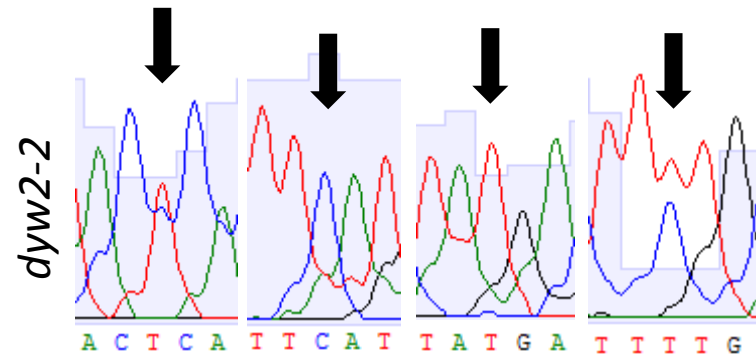
CT



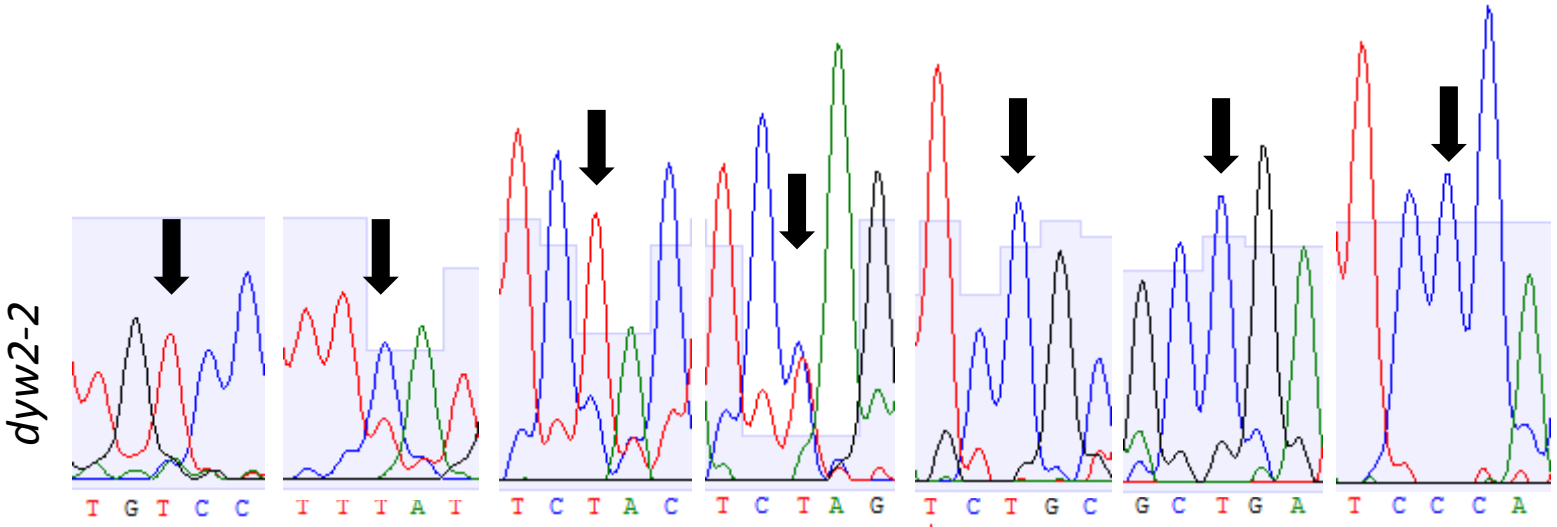
Mitochondria: *nad5*



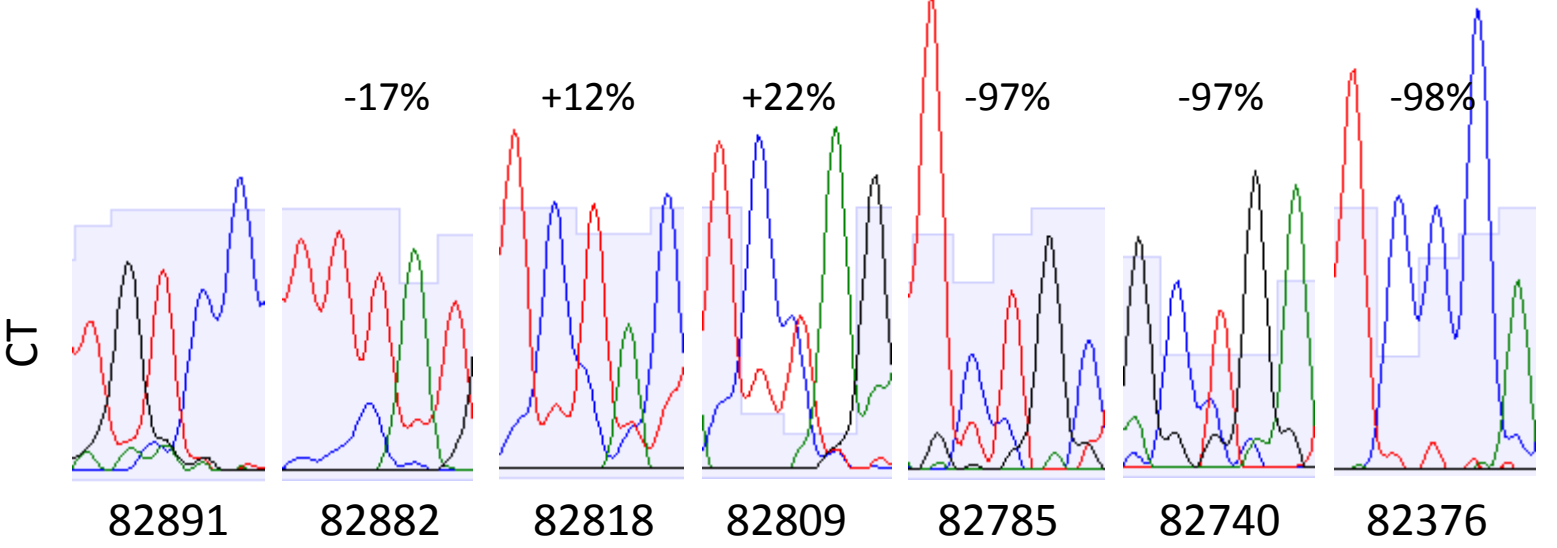
Mitochondria: *nad5*



Mitochondria: *rps4*



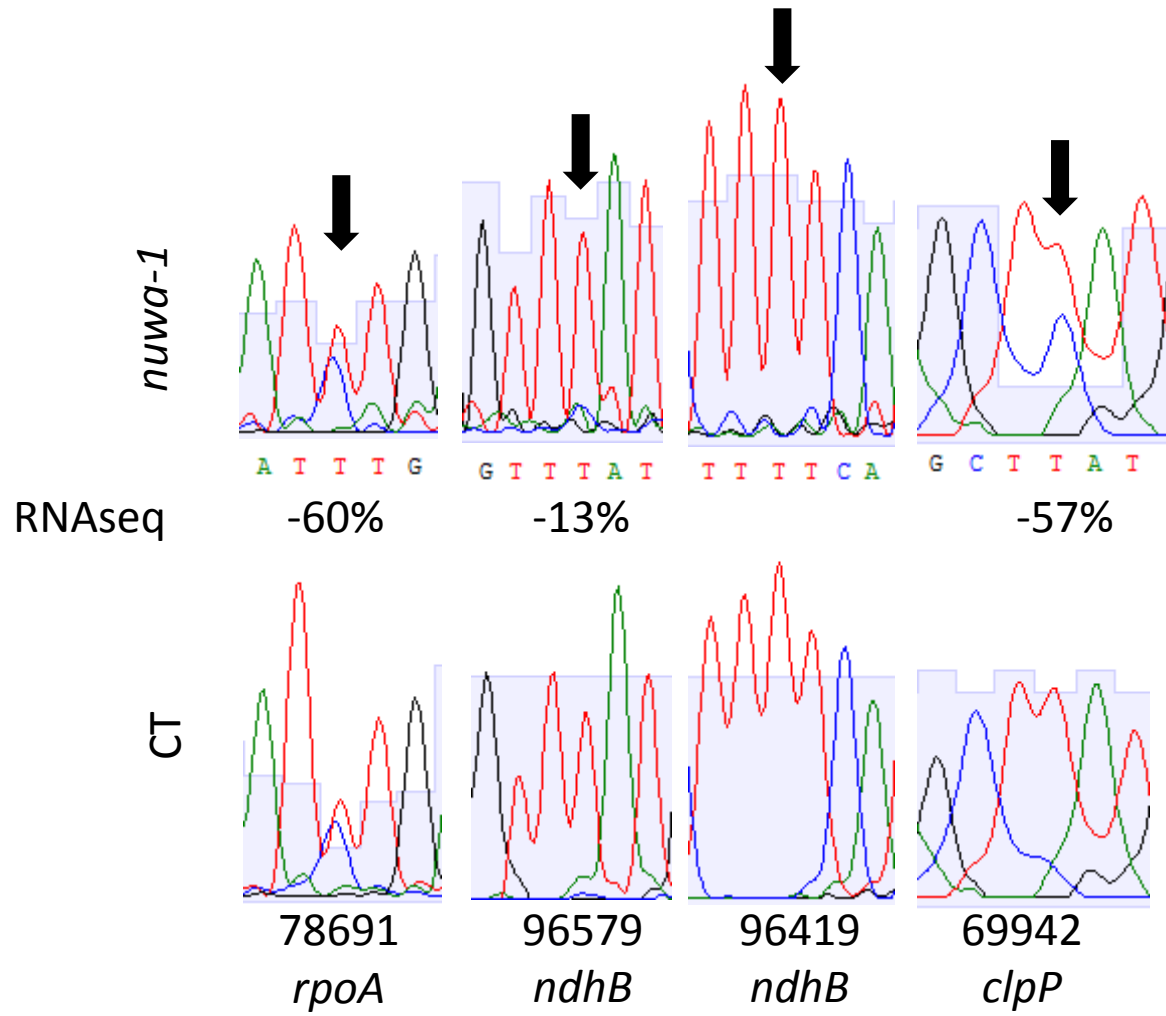
RNAseq



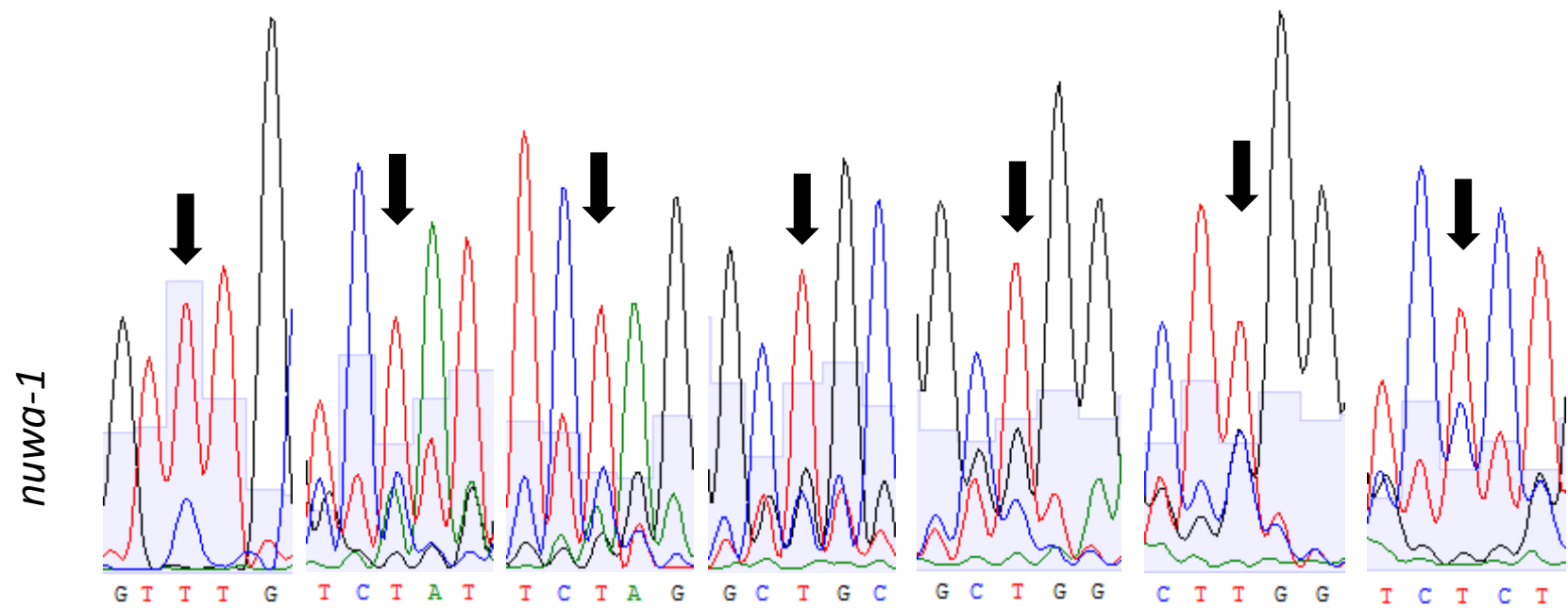
nuwa-1

4 chloroplastic editing sites
68 mitochondrial editing sites

Chloroplast



Mitochondria : *nad1*



RNAseq -3%

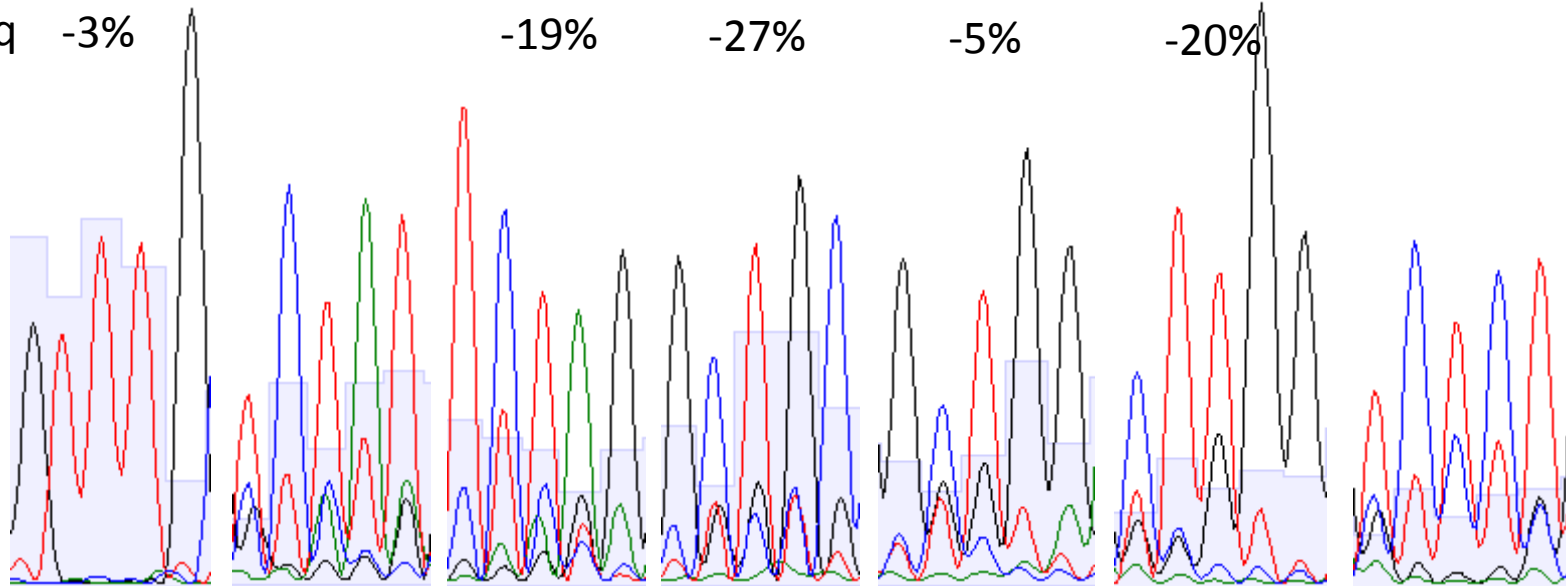
-19%

-27%

-5%

-20%

CT



147035

143472

143454

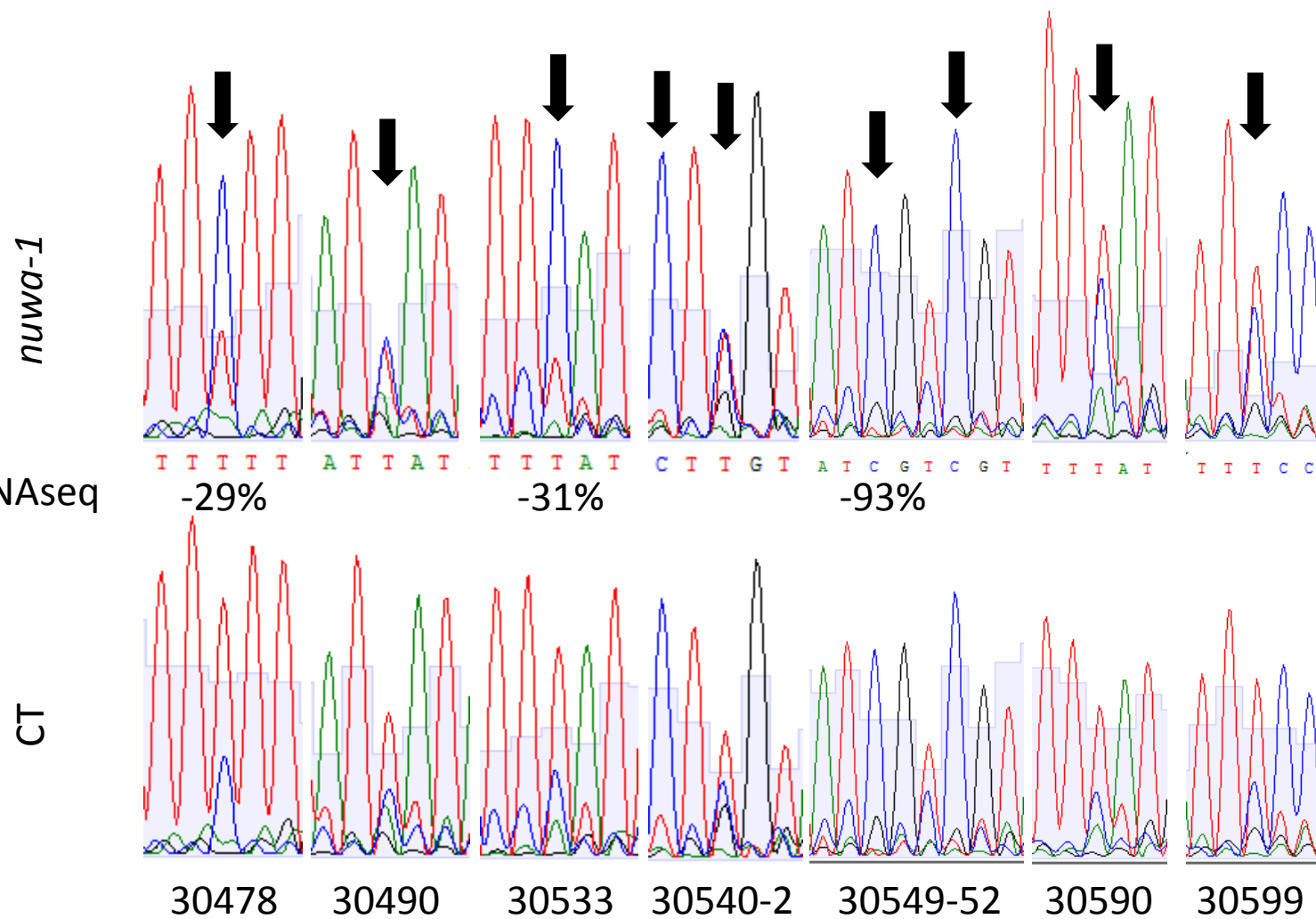
143442

143299

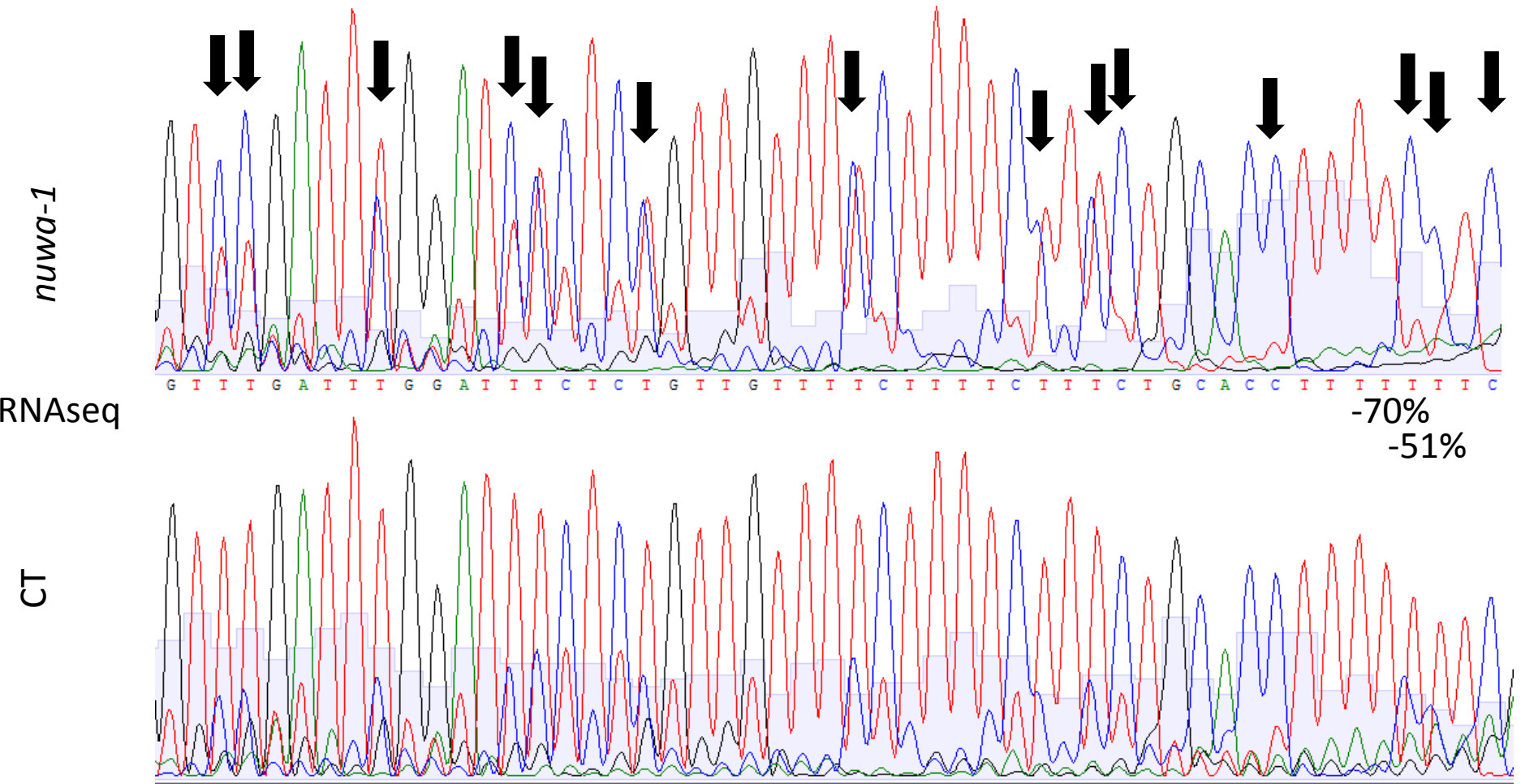
143269

143260

Mitochondria : *ccmB*

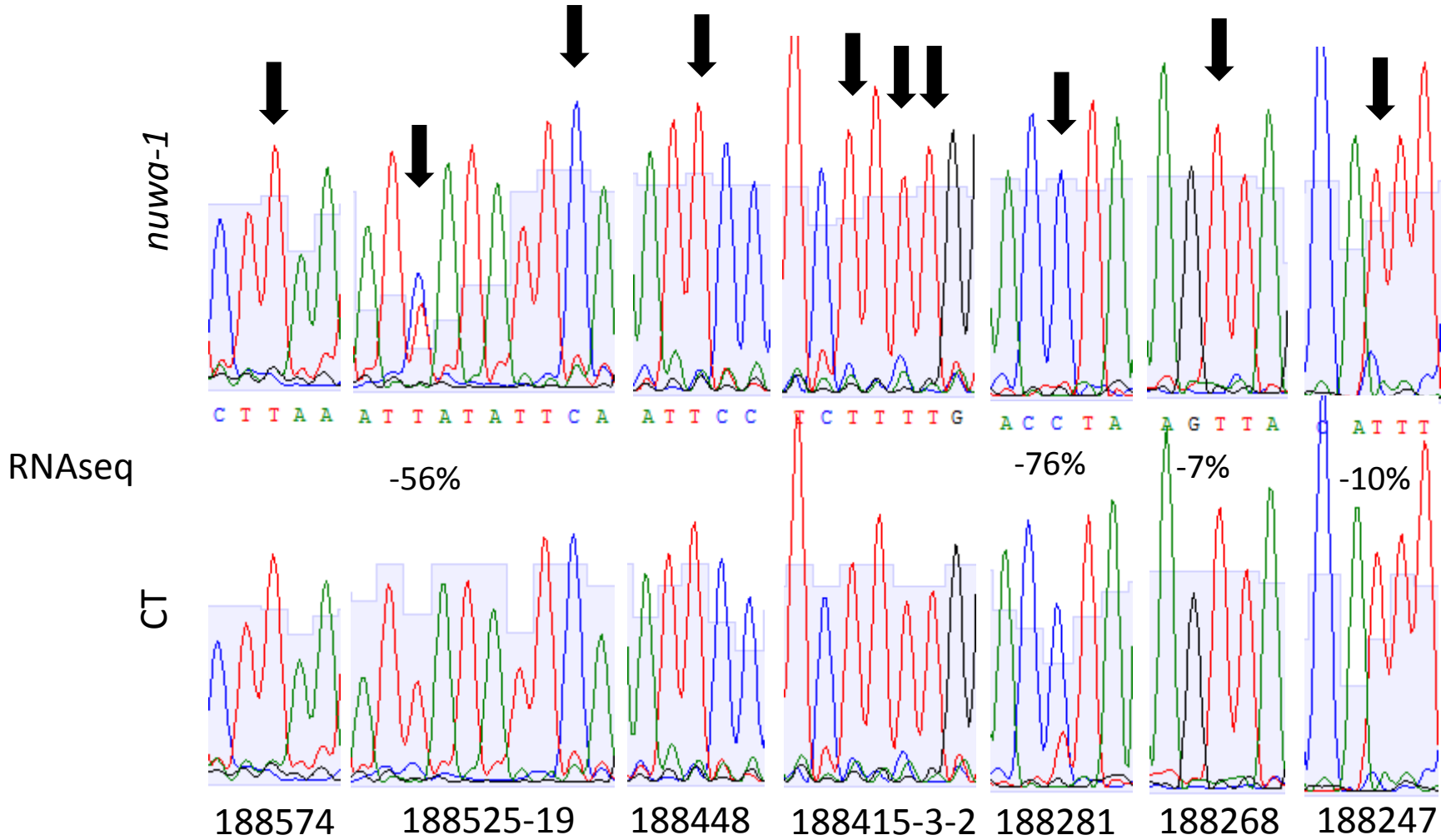


Mitochondria: *cmbB*

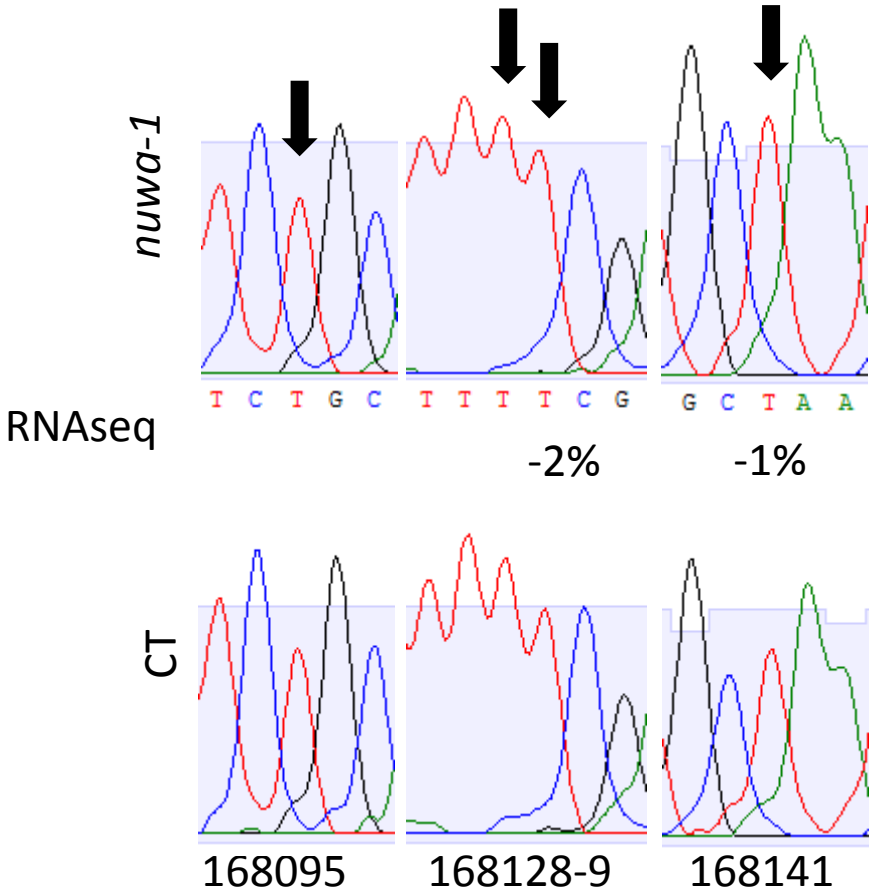


From 30610 to 30658

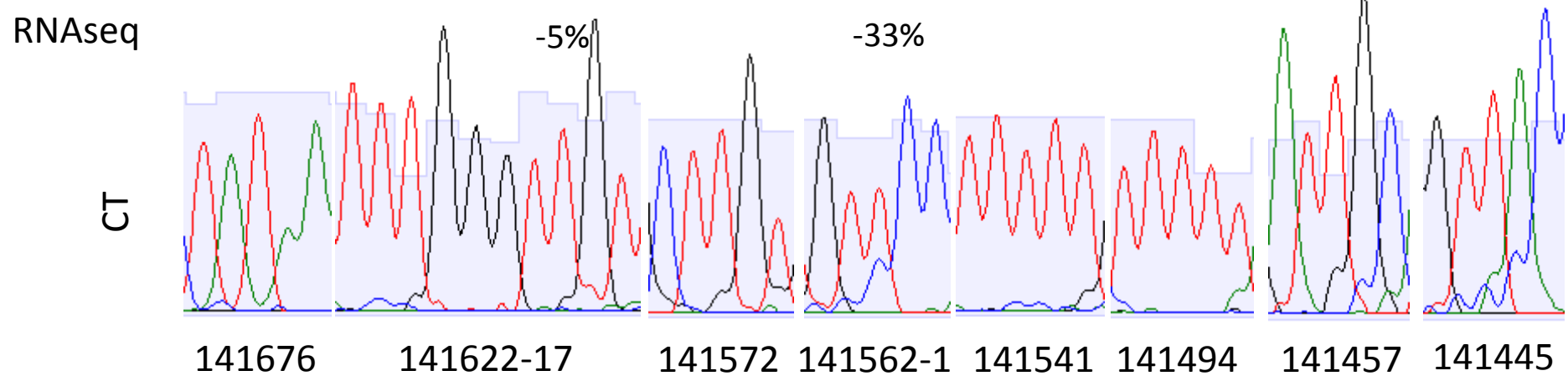
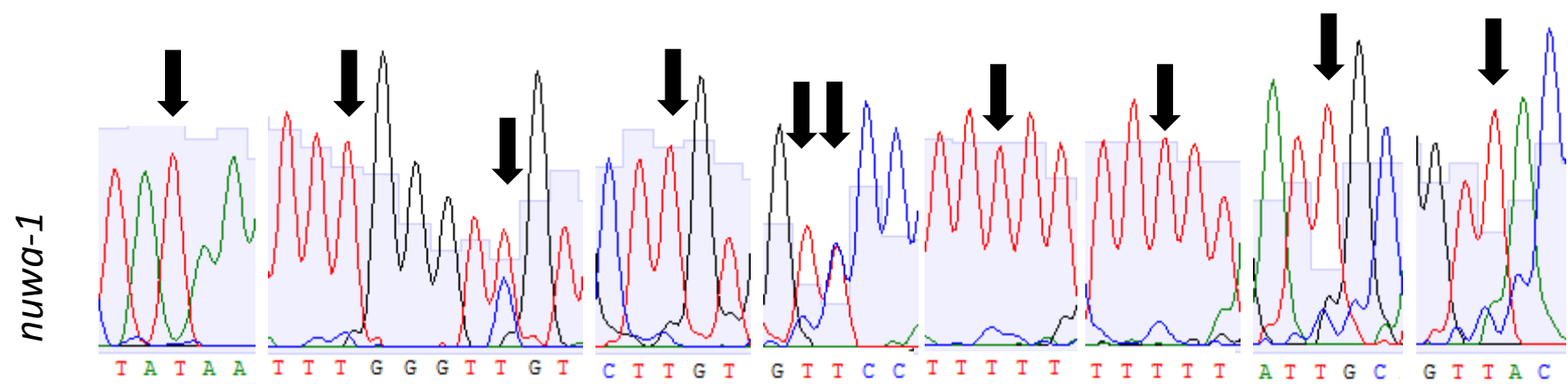
Mitochondria: *atp4*



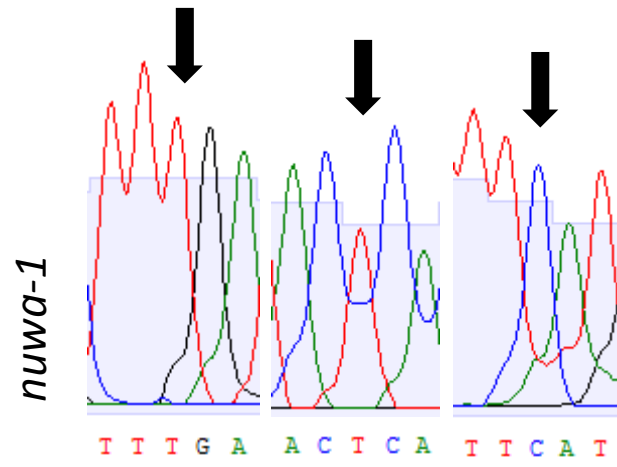
Mitochondria: *nad4*



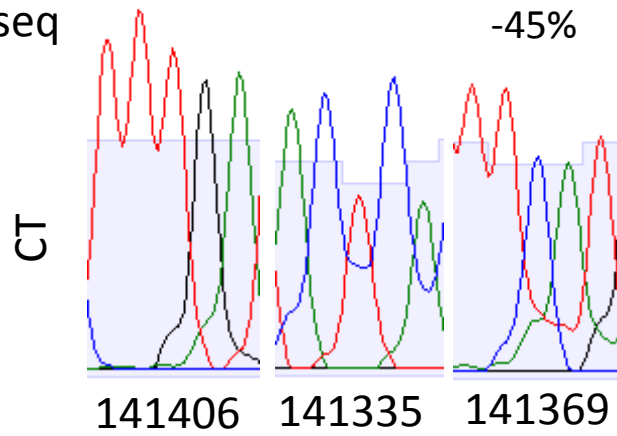
Mitochondria: *nad5*



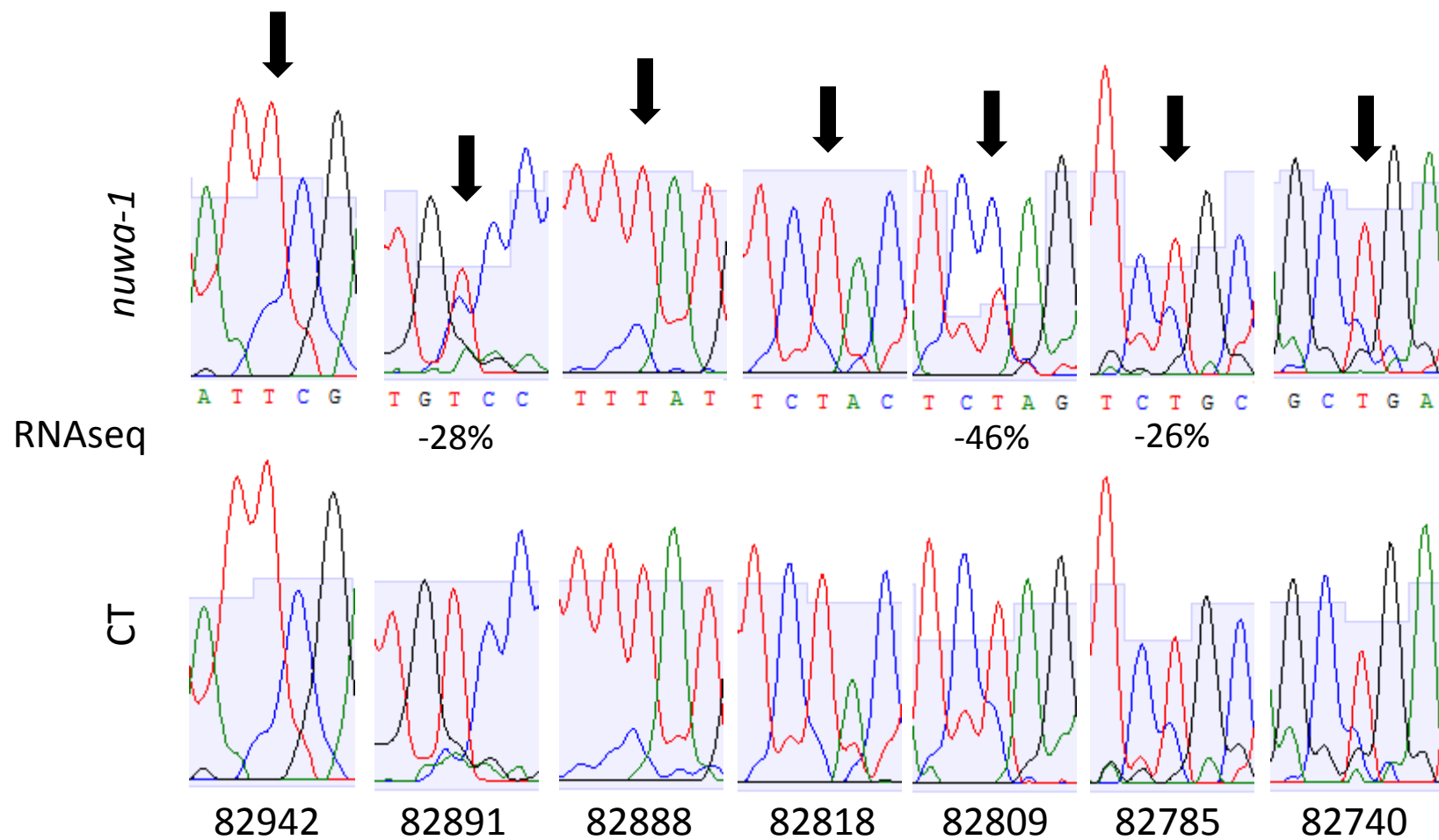
Mitochondria: *nad5*



RNAseq

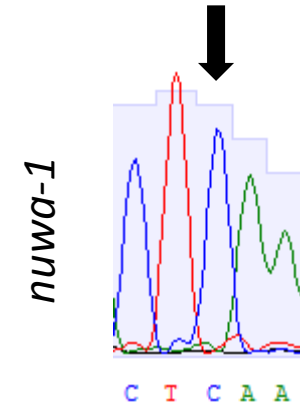
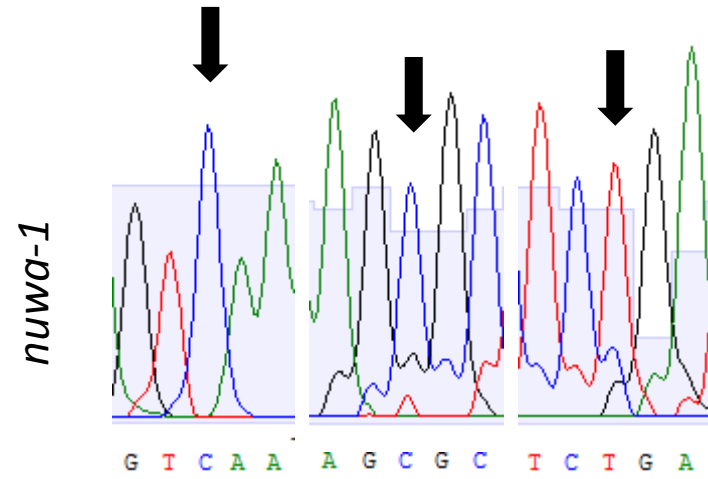


Mitochondria: *rps4*



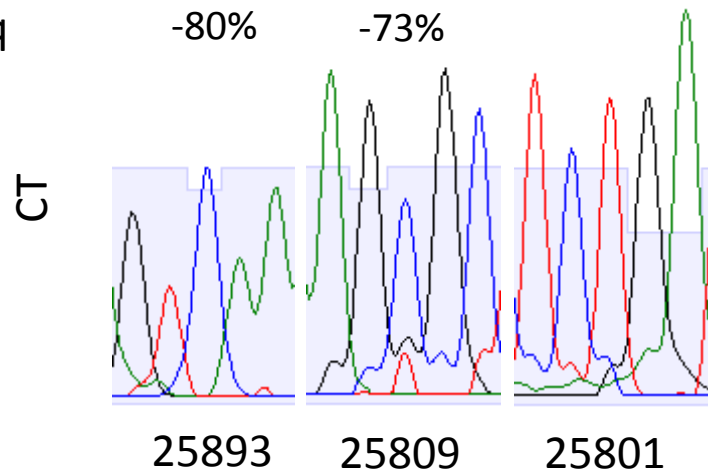
Mitochondria: *rps3*

Mitochondria: *cox2*



RNAseq

RNAseq



CT

-93%

42795