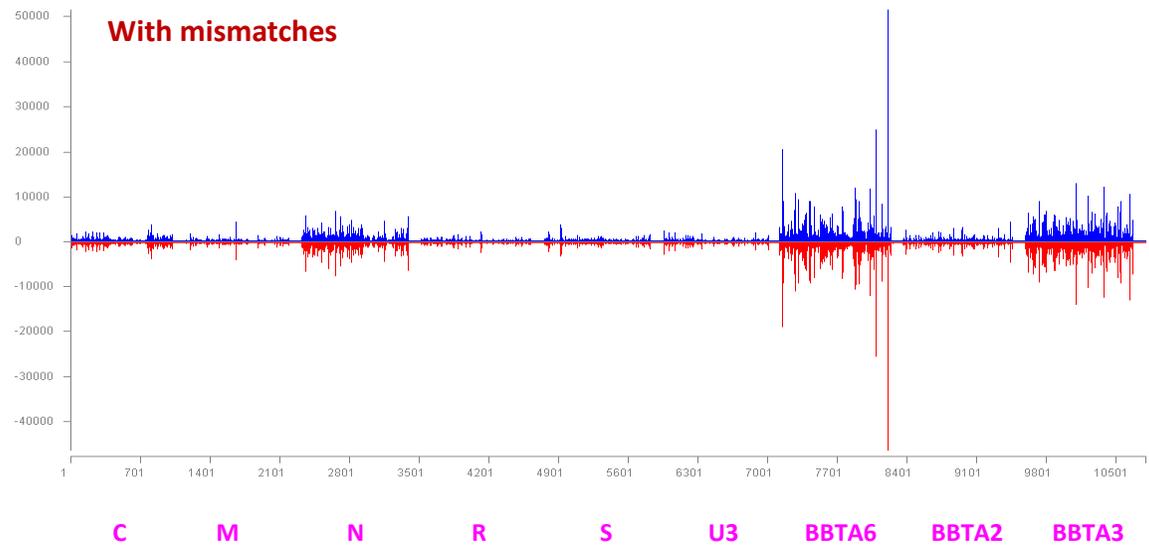
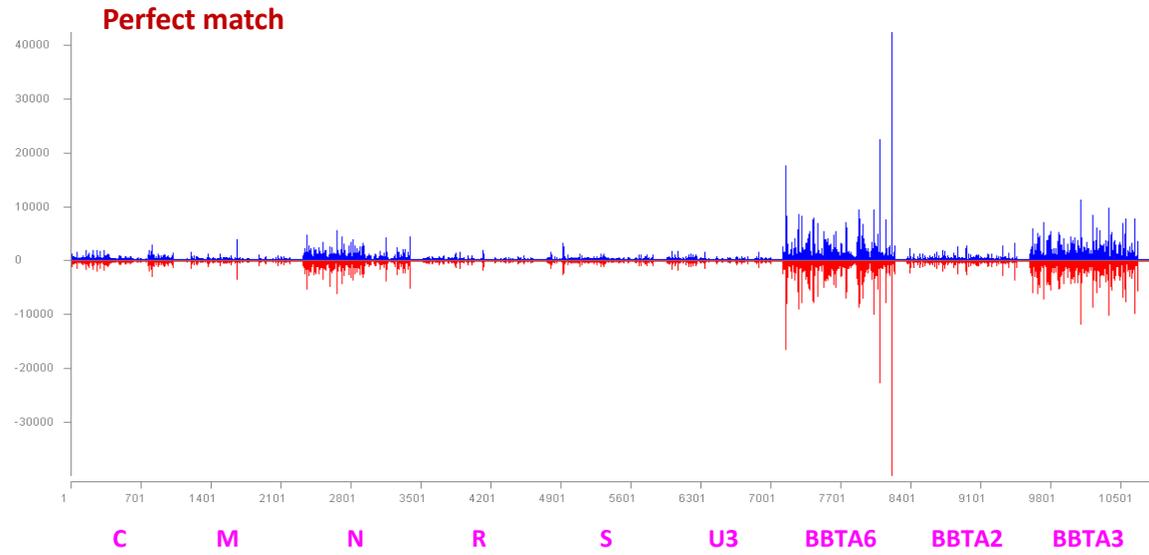
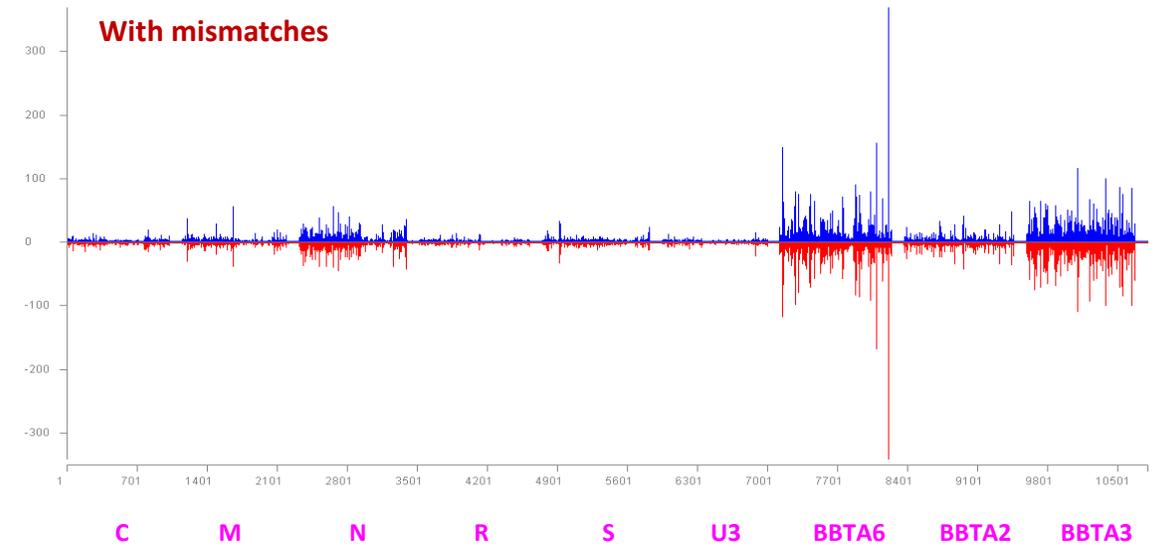
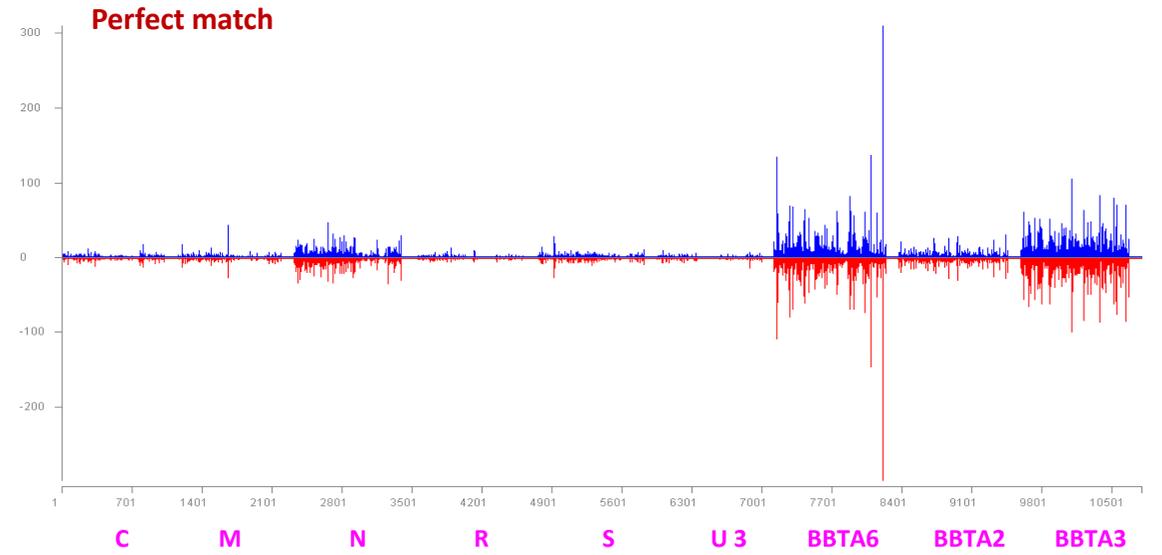
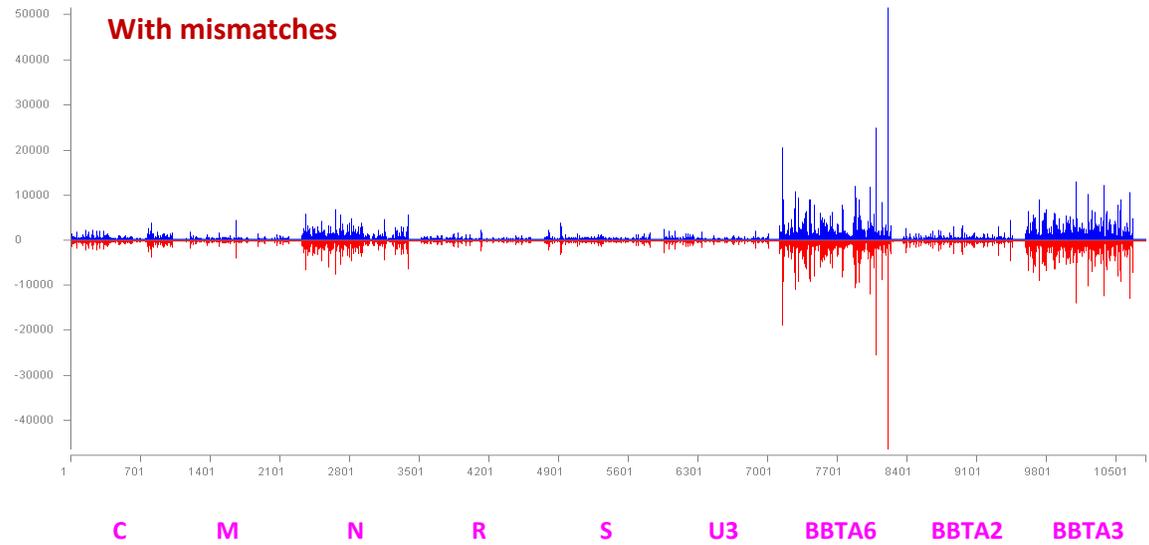
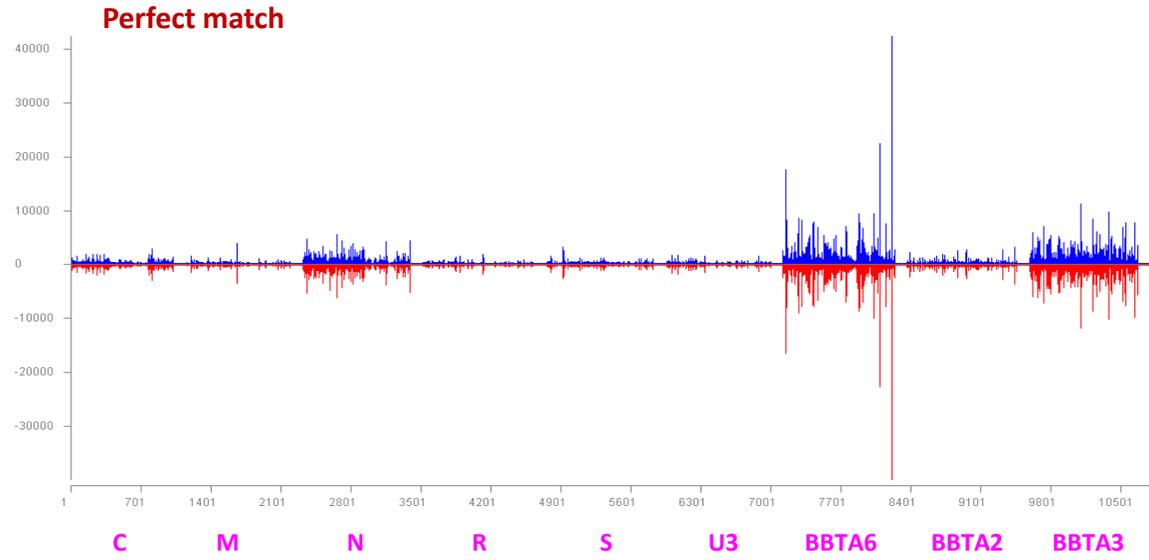
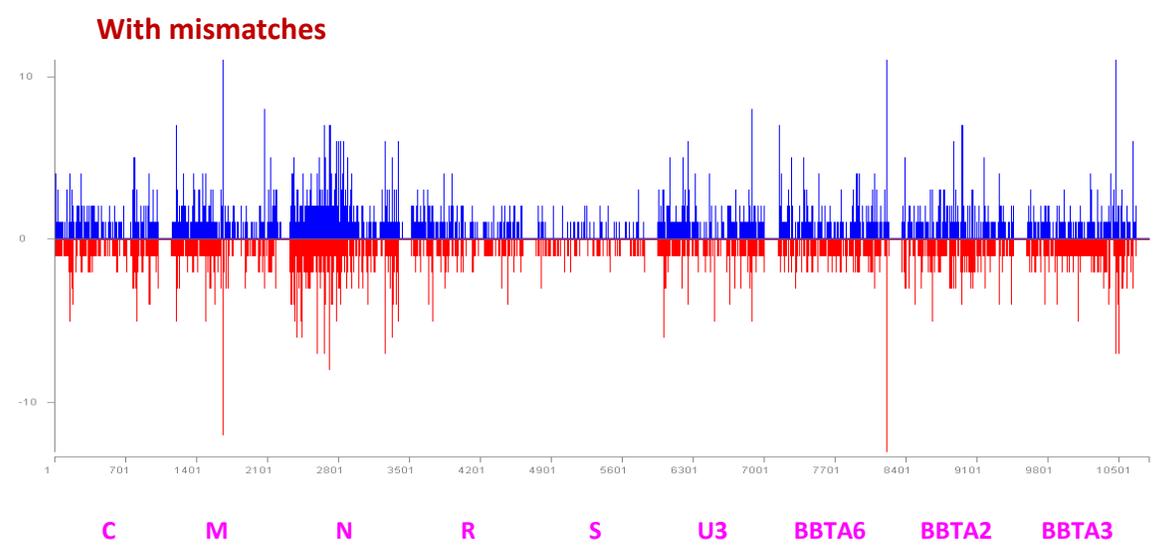
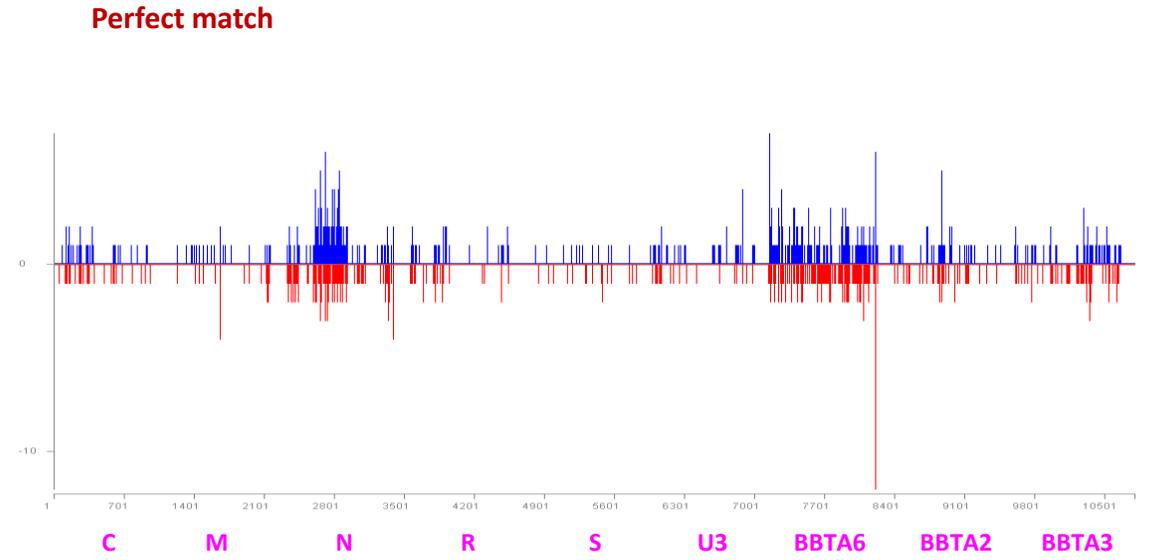


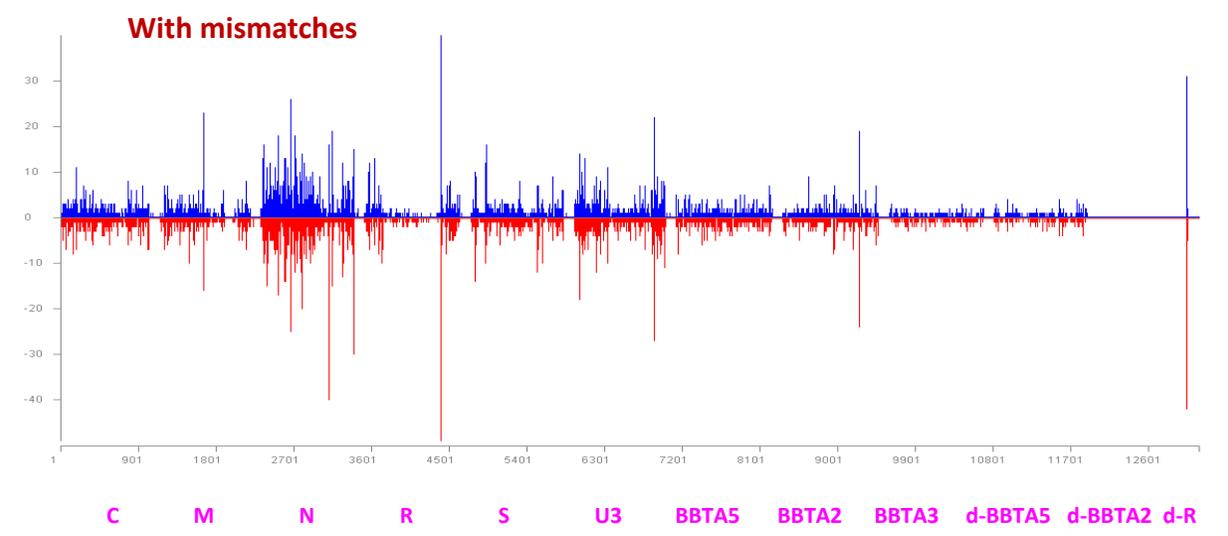
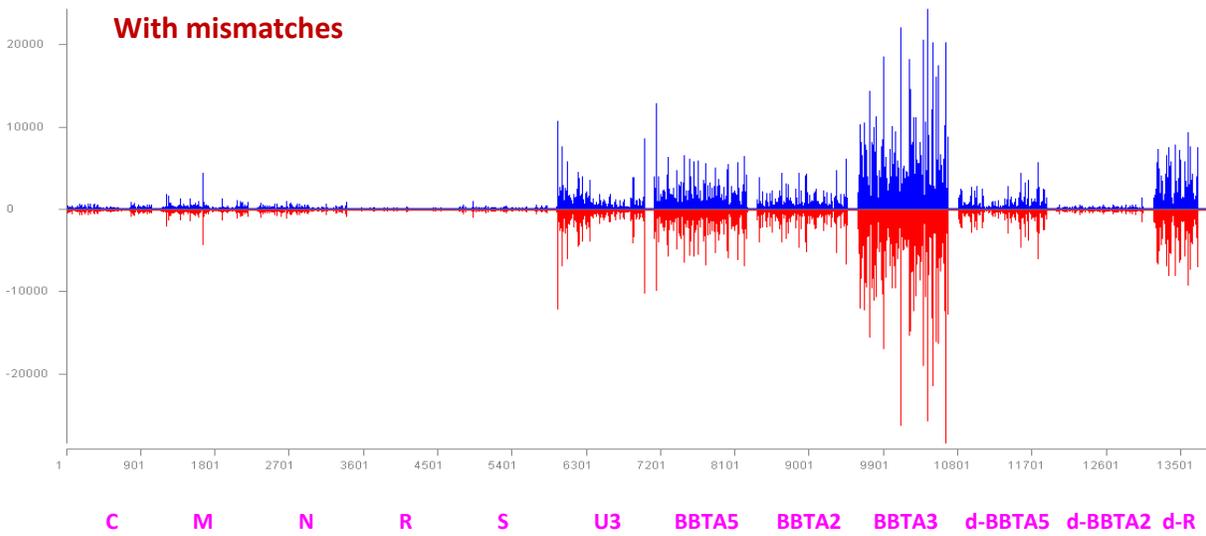
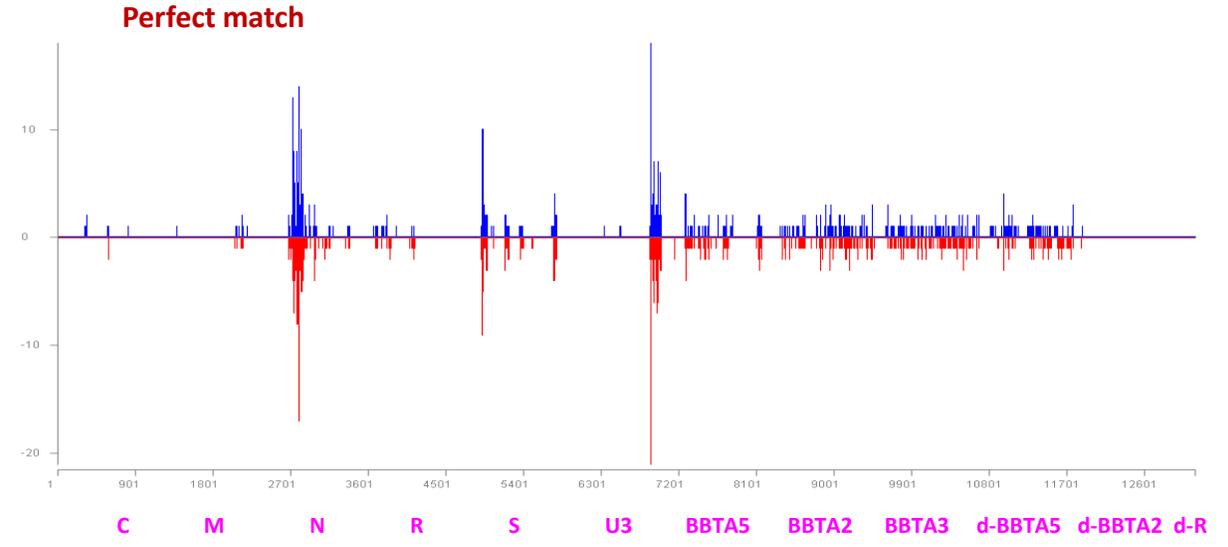
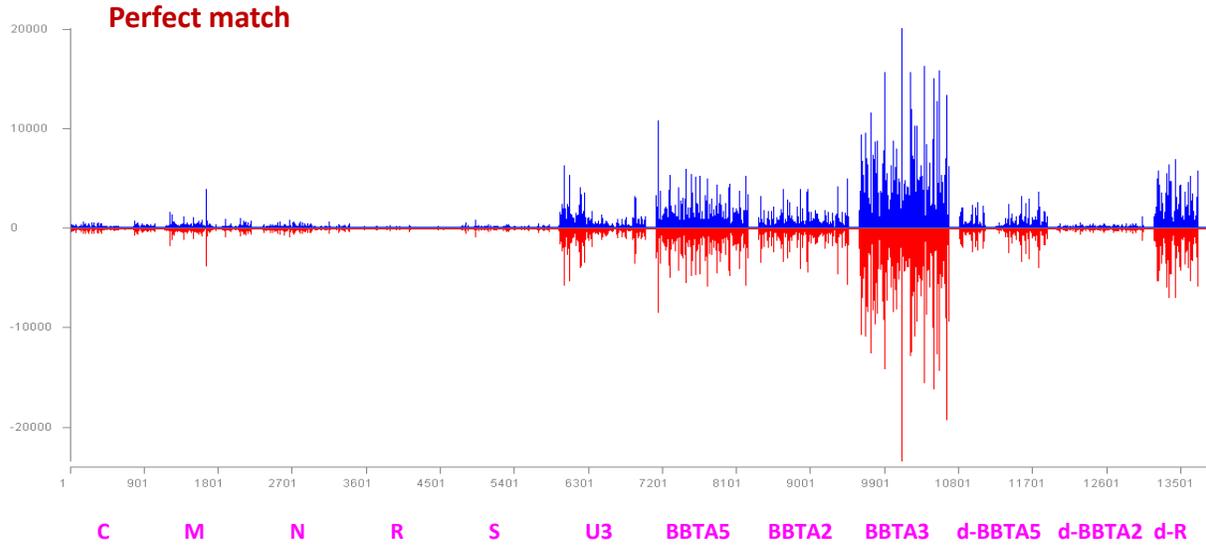
Figure S3. Maps of Illumina sequencing reads of viral DNA enriched by rolling circle amplification of total DNA from BBTV- and alphasatellite-infected banana and their neighbor non-banana plants. The Illumina 125 nt paired-end reads were mapped without or with mismatches on the concatenated reference sequences of BBTV genome components (C, M, N, R, S, U3), alphasatellites (BBTA2, BBTA3, BBTA5, BBTA6) and their defective (d) derivatives (d-BBTA2, d-BBTA5, d-R) identified and reconstructed from each plant sample (ALYU) and the mapped reads were visualized using MISIS-2 [17]. In each panel, histograms plot the numbers of viral 125 nt forward and reverse reads at each nucleotide position of the concatenated virome genome: blue bars above the axis represent forward reads ending at each respective position red bars below the axis represent reverse reads ending at each respective position. **(A)** Musa (ALYU-26) vs Commelina (ALYU-27). **(B)** Musa (ALYU-26) vs Ipomoea (ALYU-28). **(C)** Musa (ALYU-29) vs Phyllanthus (ALYU-30). **(D)** Musa (ALYU-29) vs Arachis (ALYU-31). **(E)** Musa (ALYU-37) vs Bidens (ALYU-38). **(F)** Musa (ALYU-42) vs Chromolaena (ALYU-41). **(G)** Musa (ALYU-43) vs Chromolaena (ALYU-41). **(H)** Musa (ALYU-46) vs Musa (ALYU-52).

A*Musa sp._ALYU-26**Commelina sp._ALYU-27*

B*Musa sp_*ALYU-26*Ipomoea aquatica_*ALYU-28

C *Musa AA Pisang mas*_ALYU-29

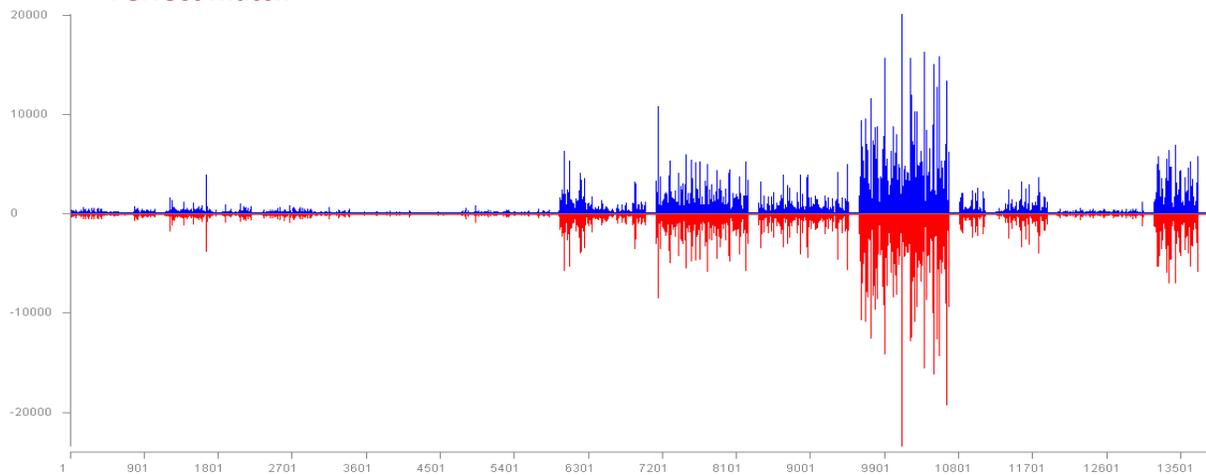
*Phyllanthus sp.*_ALYU-30



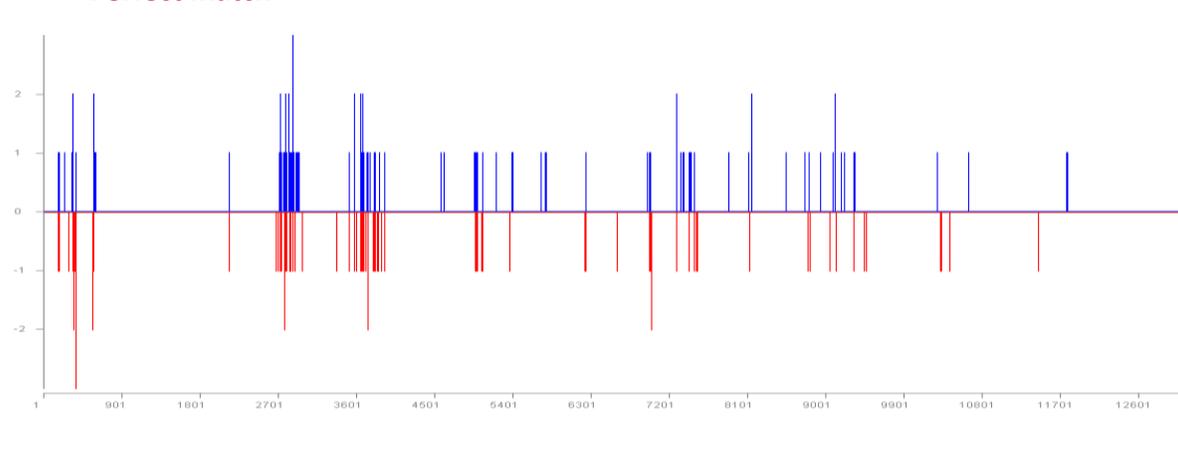
D *Musa AA Pisang mas_*ALYU-29

*Arachis hypogaea_*ALYU-31

Perfect match



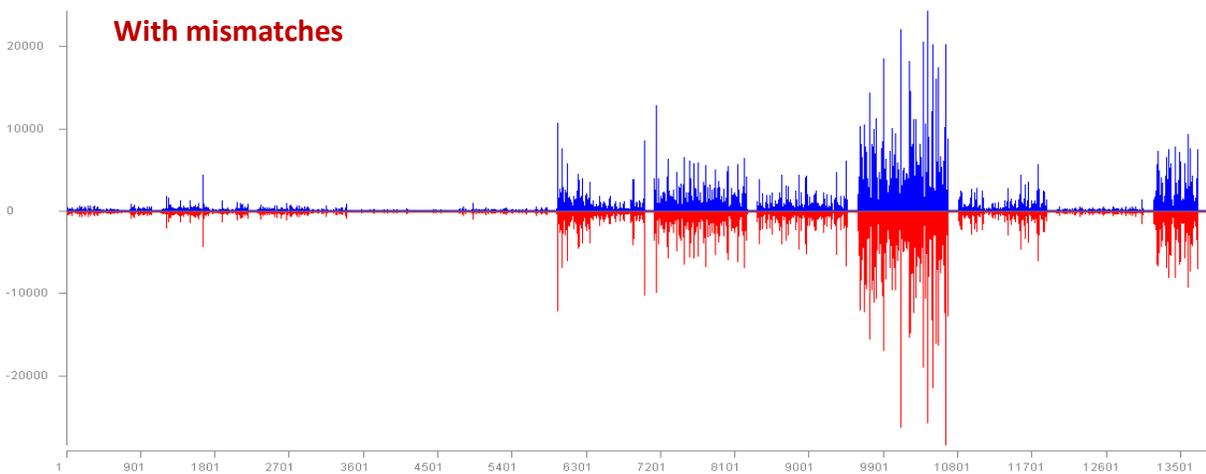
Perfect match



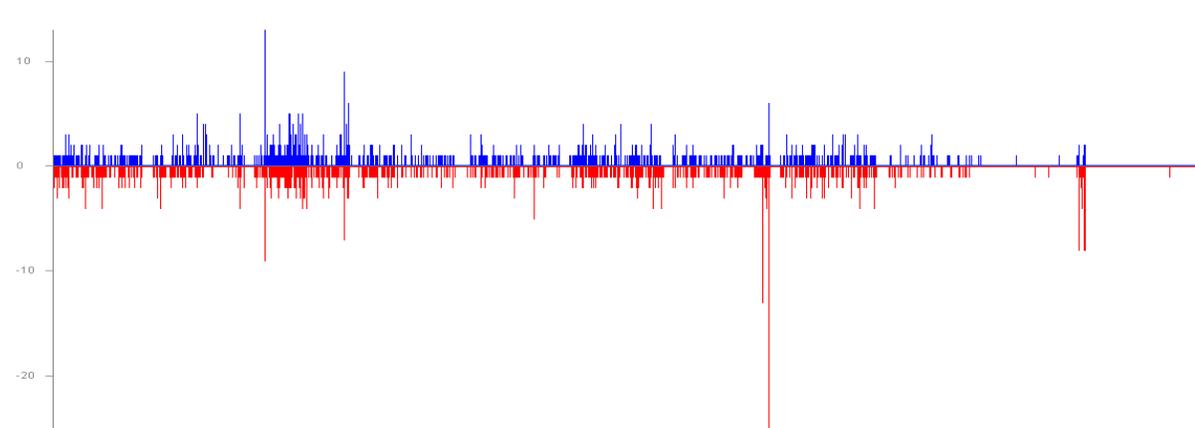
C M N R S U3 BBT A5 BBT A2 BBT A3 d-BBT A5 d-BBT A2 d-R

C M N R S U3 BBT A5 BBT A2 BBT A3 d-BBT A5 d-BBT A2 d-R

With mismatches



With mismatches



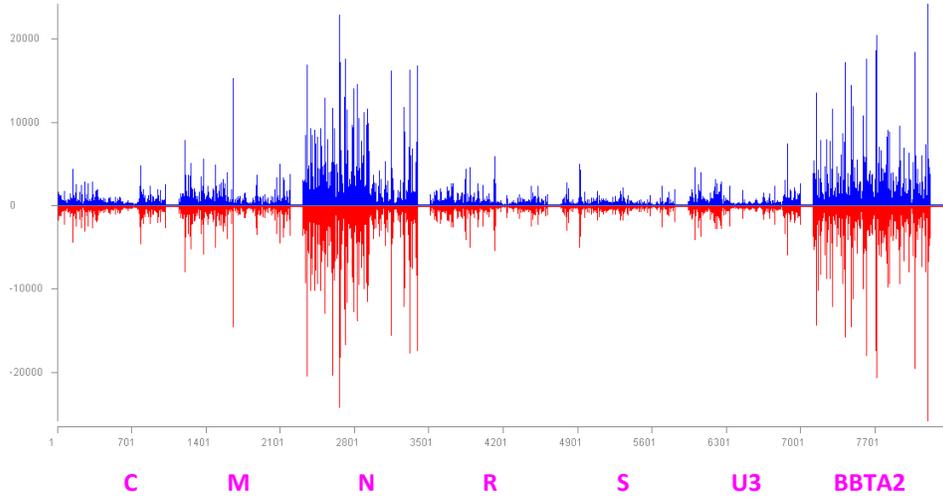
C M N R S U3 BBT A5 BBT A2 BBT A3 d-BBT A5 d-BBT A2 d-R

C M N R S U3 BBT A5 BBT A2 BBT A3 d-BBT A5 d-BBT A2 d-R

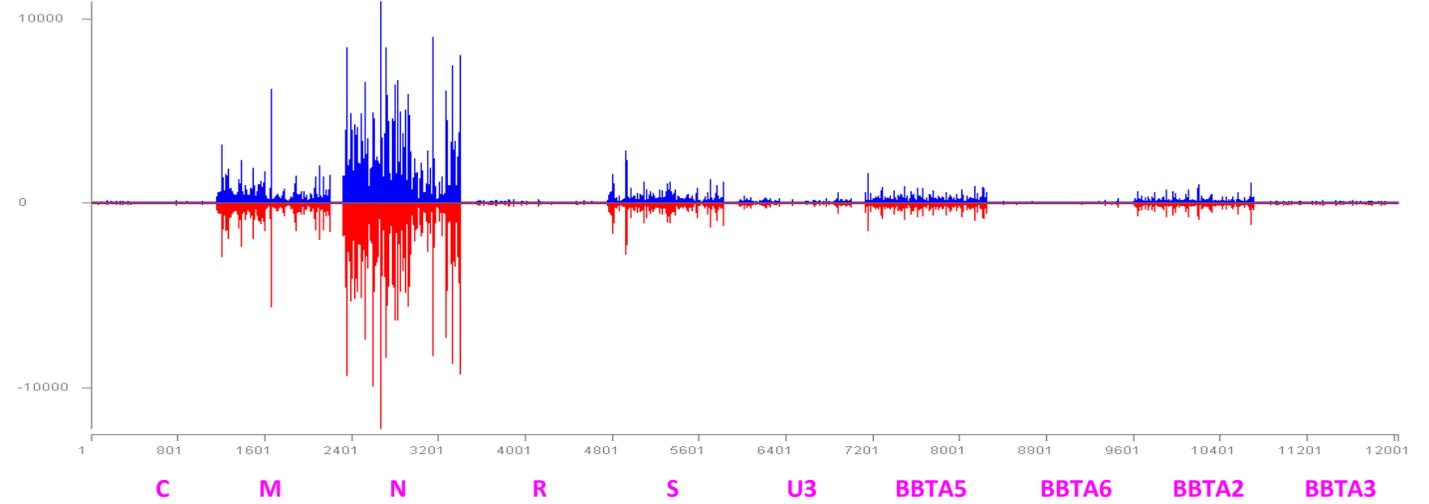
E *Musa sp.*_ALYU-37

*Bidens pilosa*_ALYU-38

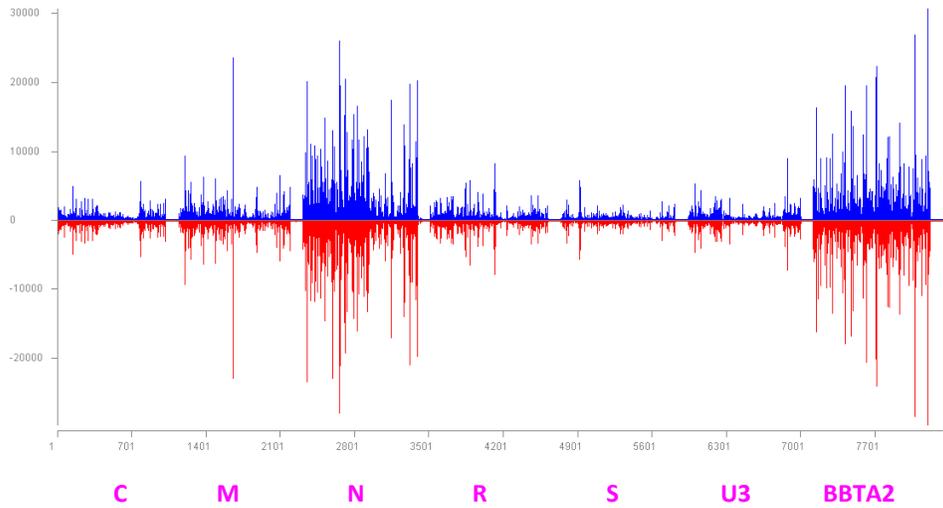
Perfect match



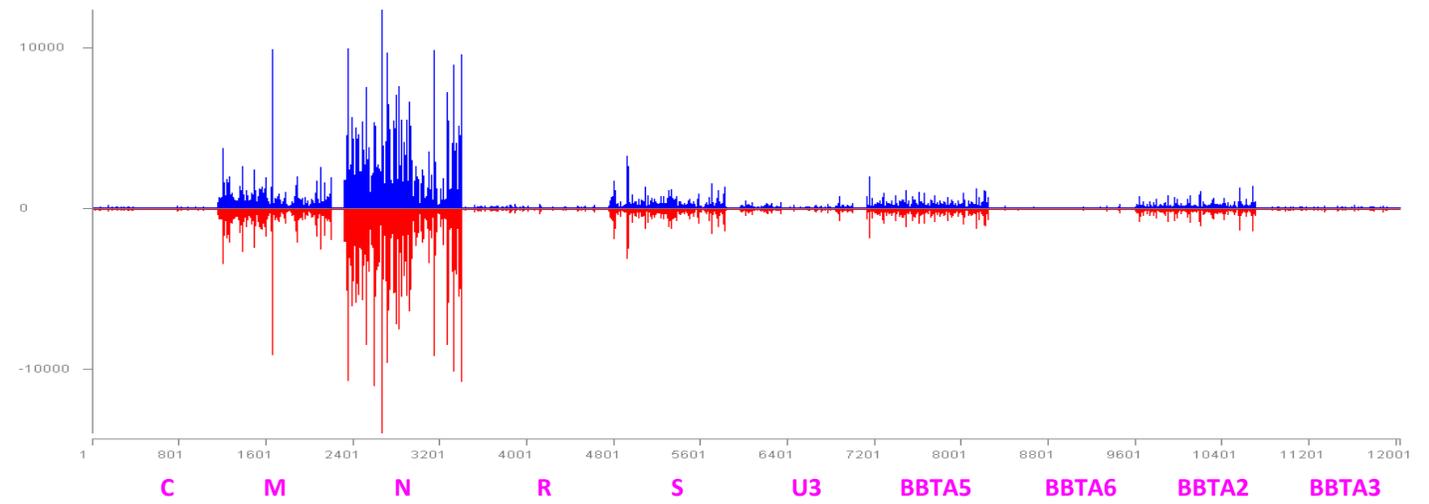
Perfect match

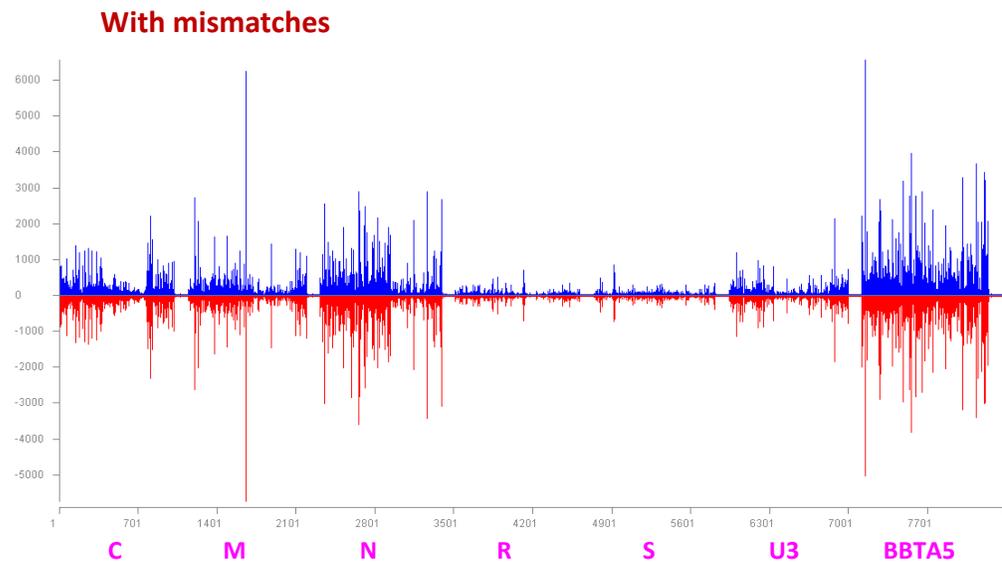
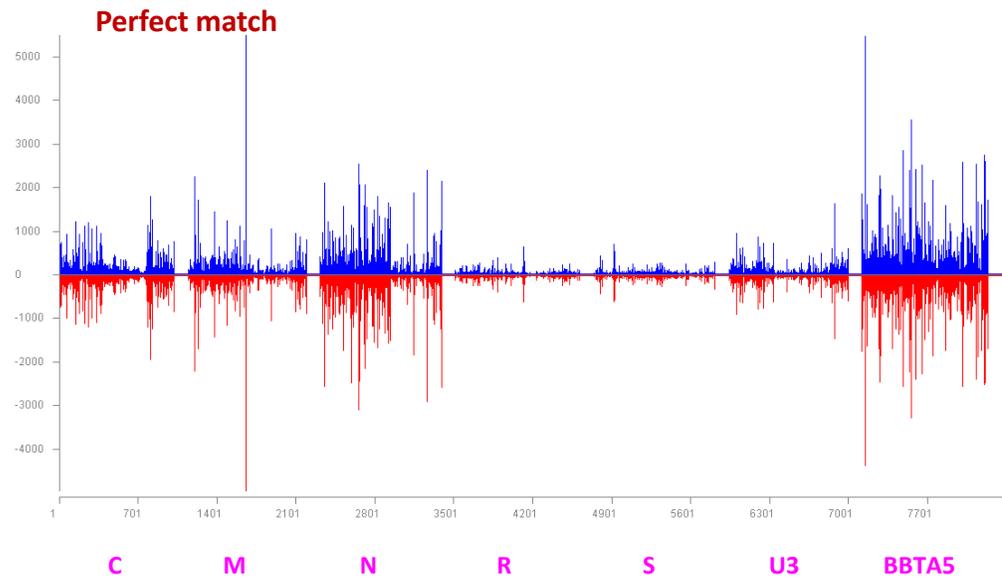
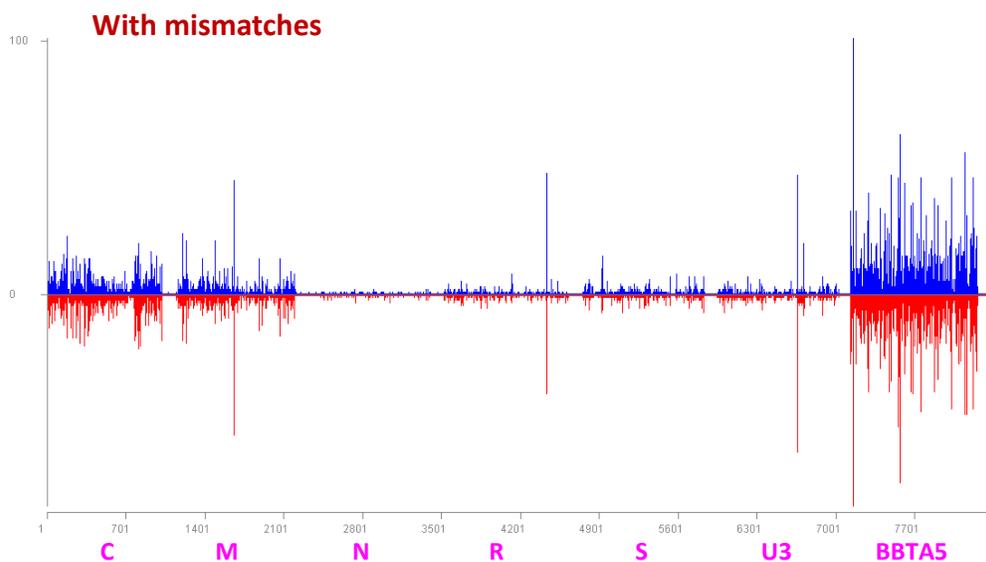
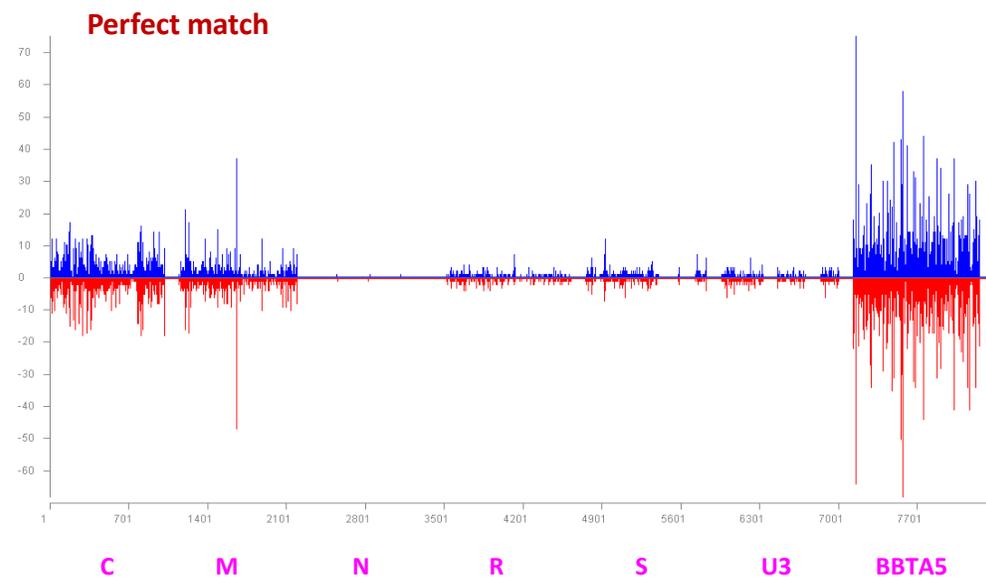


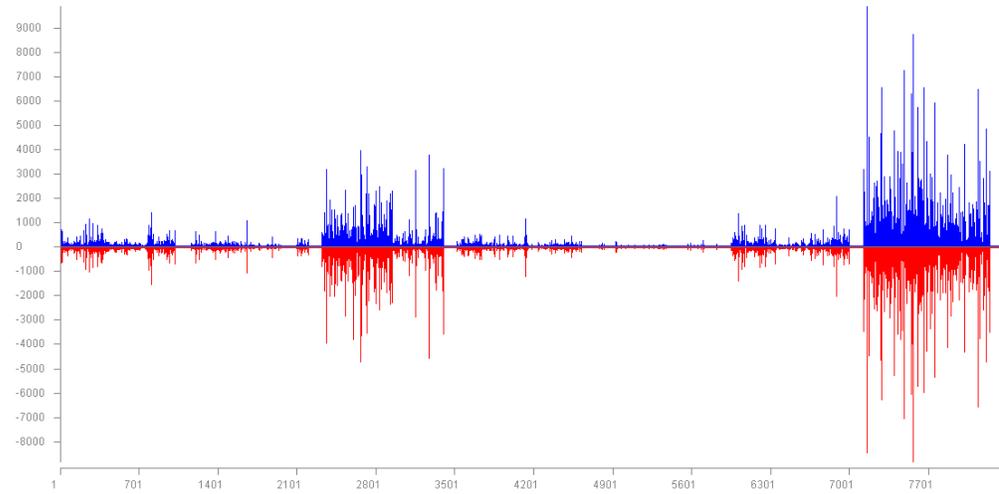
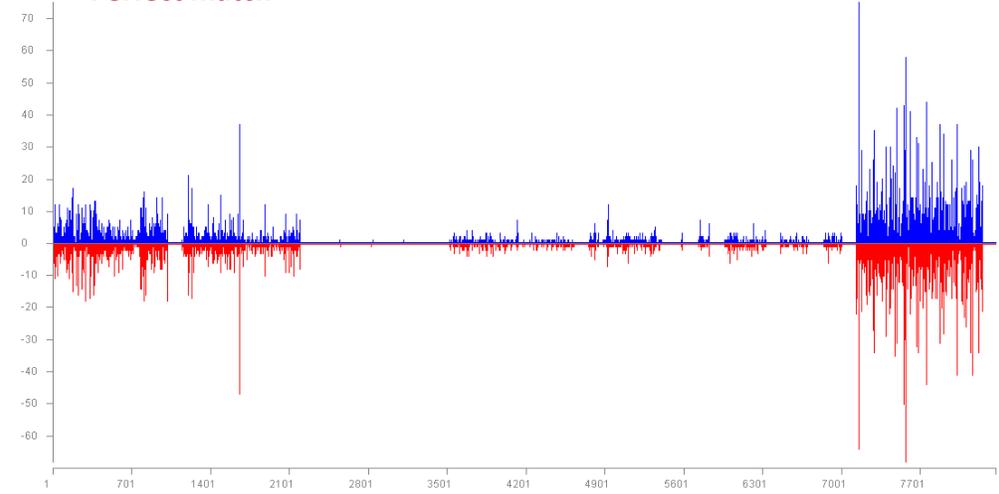
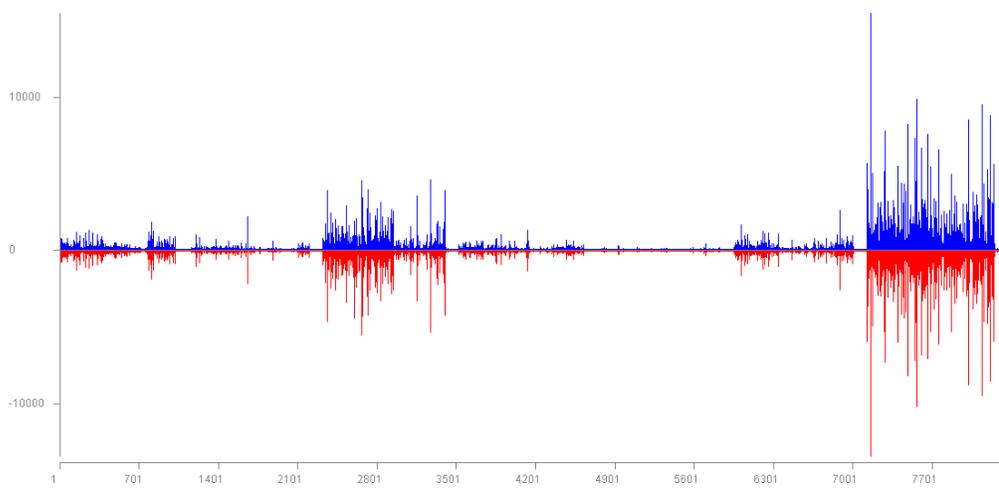
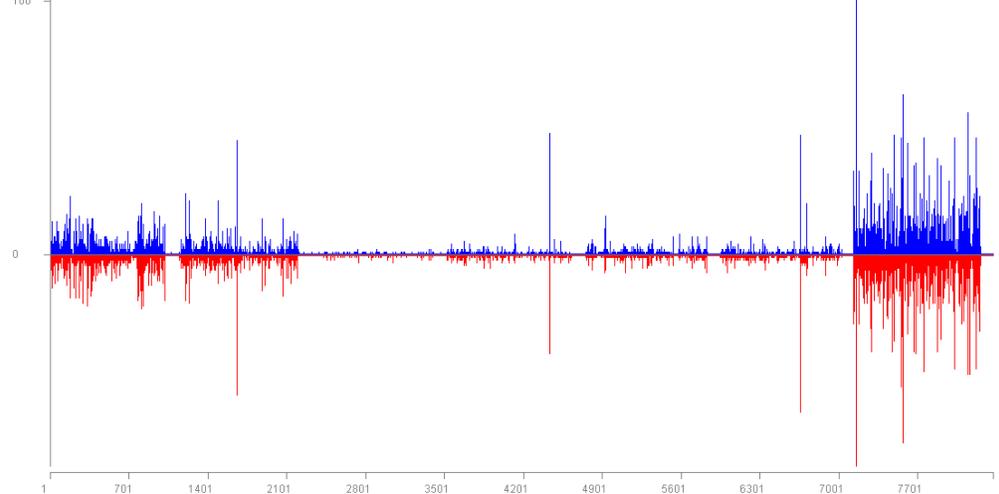
With mismatches



With mismatches

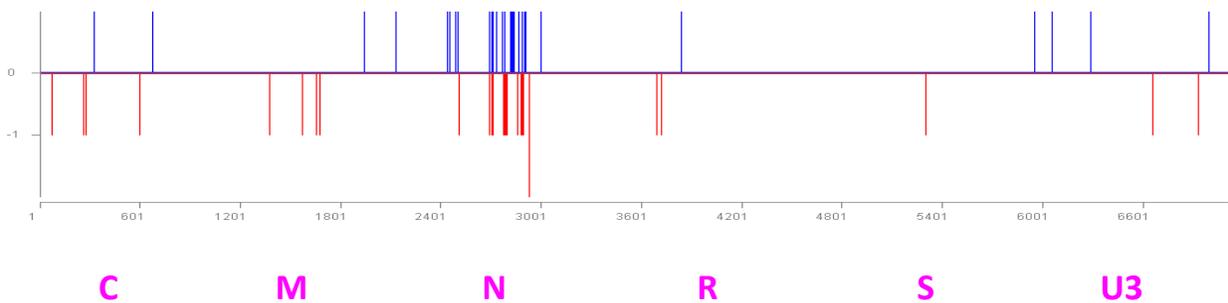


F***Musa acuminata* Cavendish_ALYU-42*****Chromolaena odorata*_ALYU-41**

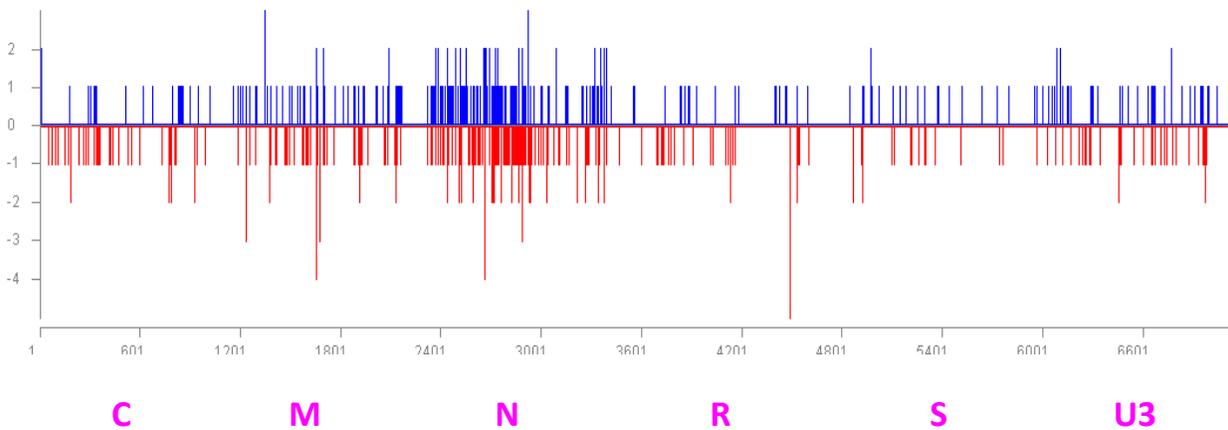
G***Musa acuminata* Cavendish_ALYU-43*****Chromolaena odorata*_ALYU-41****Perfect match****Perfect match****C M N R S U3 BBT A5****C M N R S U3 BBT A5****With mismatches****With mismatches****C M N R S U3 BBT A5****C M N R S U3 BBT A5**

H *Musa ABB Klue Tiparot_ALYU-46*

Perfect match

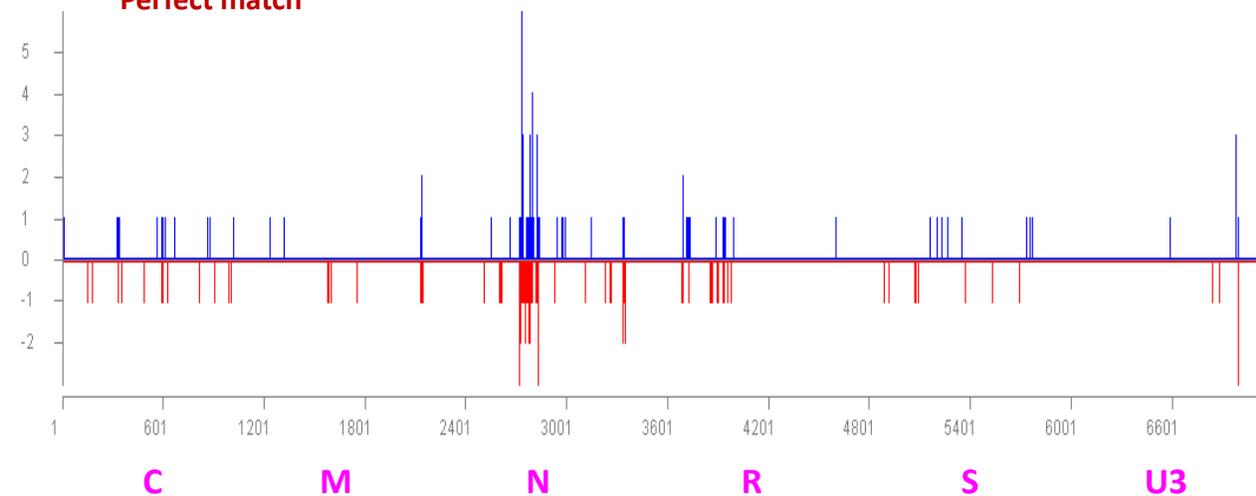


With mismatches



Musa acuminata wild_ALYU-52

Perfect match



With mismatches

