

Supplemental Dataset 3

A single ancient origin for prototypical SR splicing factors

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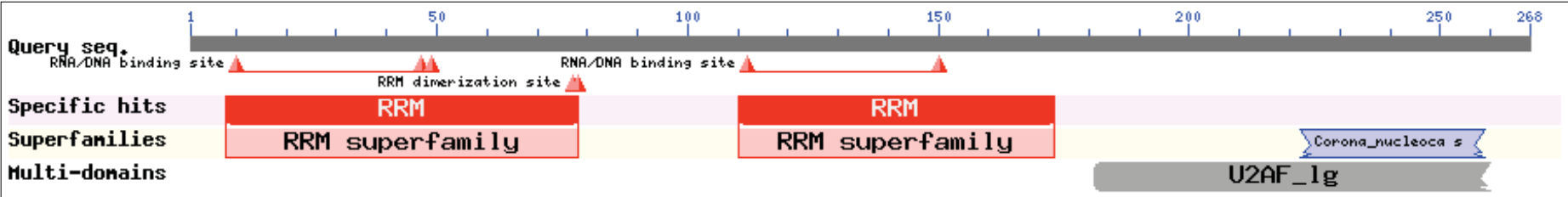
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Dataset S3a. Architectures of candidate SR proteins from selected proteomes. Candidate proteins were named after the source organism, the protein accession number and the number of the RRM identified by the HMM profile. Proteins were then batch-submitted to the NCBI Conserved Domain Database web server.

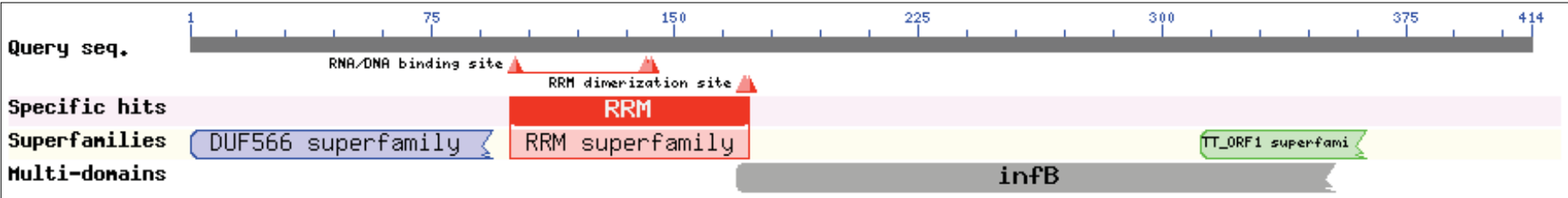
Dataset S3b. 1-AA word densities in candidate SR proteins from selected proteomes. For each protein, a density profile was computed for all amino acids. However, only those reaching the predefined threshold (8) for at least one protein are shown in the plots. See Figure S24 for details.

Dataset S3c. 2-AA word densities in candidate SR proteins from selected proteomes. For each protein, a density profile was computed for all possible unordered 2-AA words. However, only those reaching the predefined threshold (6) for at least one protein are shown in the plots. See Figure S24 for details.

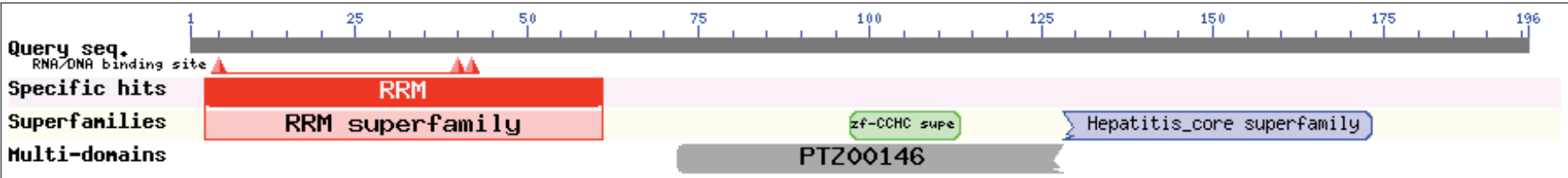
Dataset S3d. 3-AA word densities in candidate SR proteins from selected proteomes. For each protein, a density profile was computed for all possible unordered 3-AA words. However, only those reaching the predefined threshold (6) for at least one protein are shown in the plots. See Figure S24 for details.



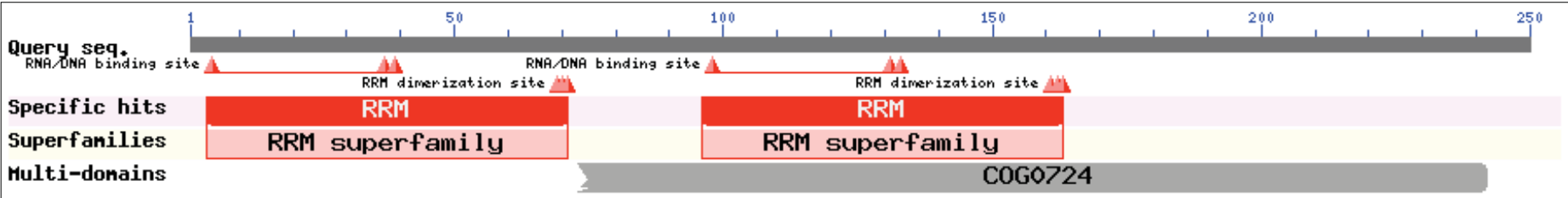
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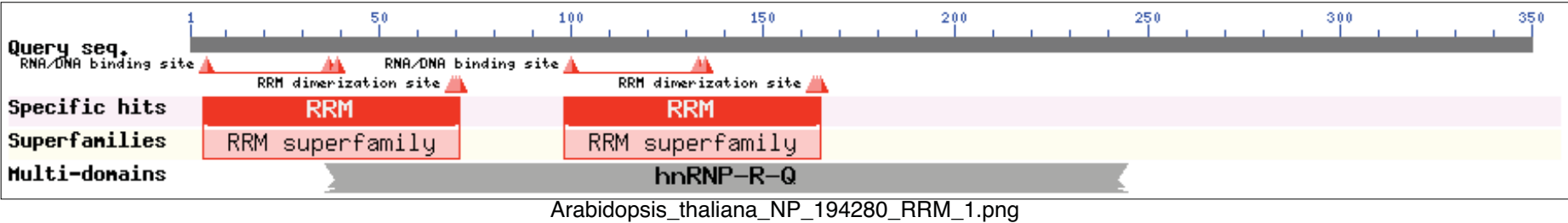
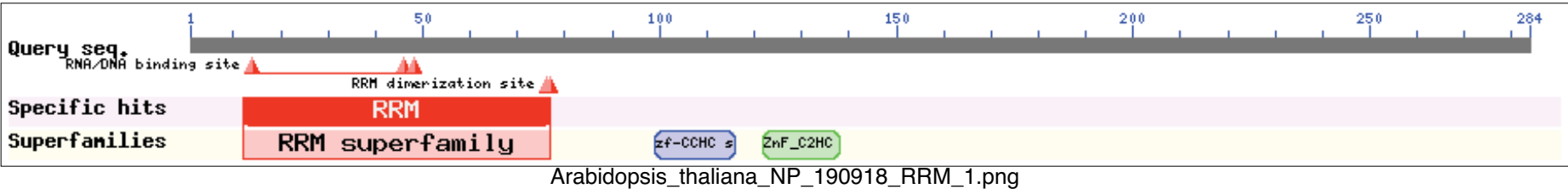
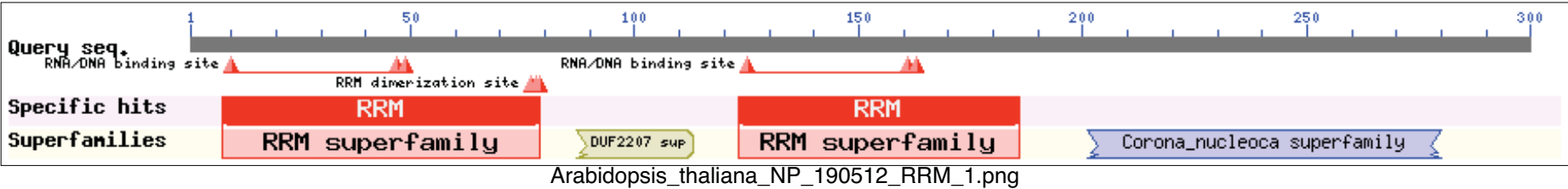
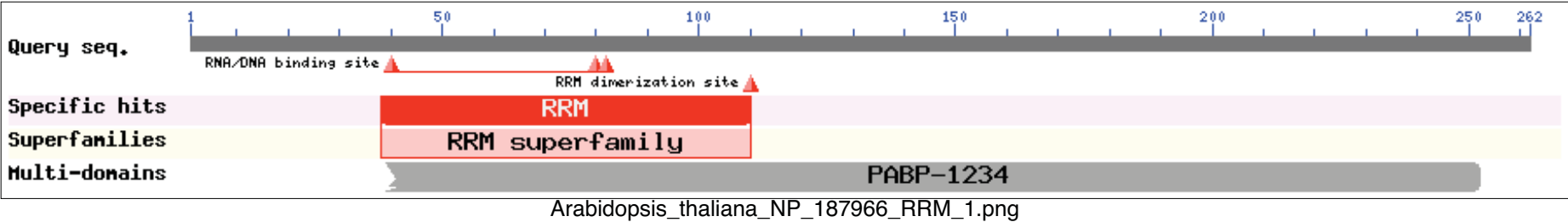
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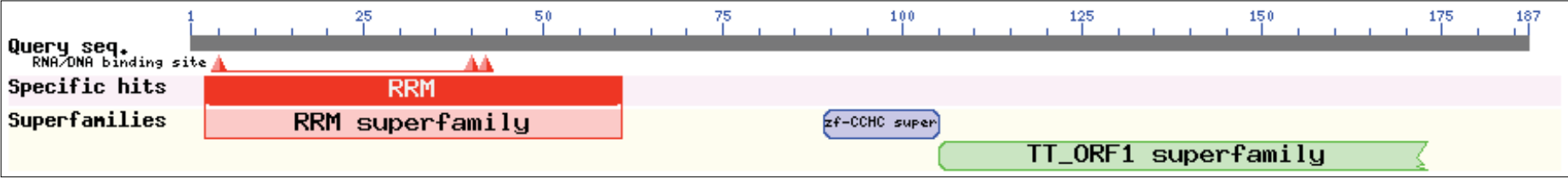
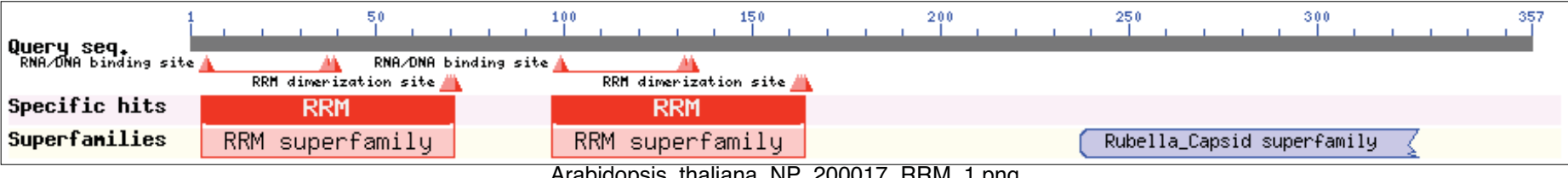
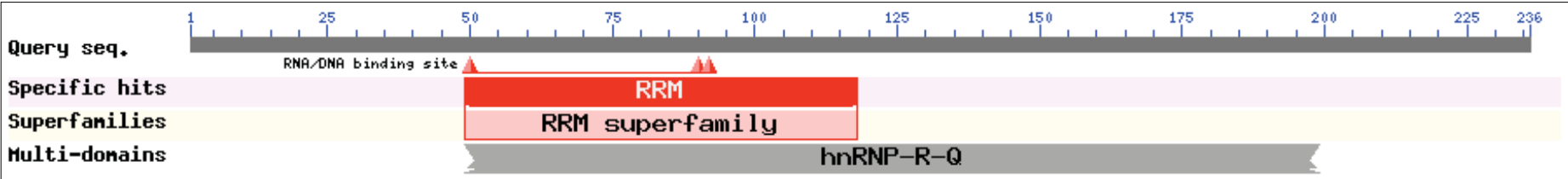
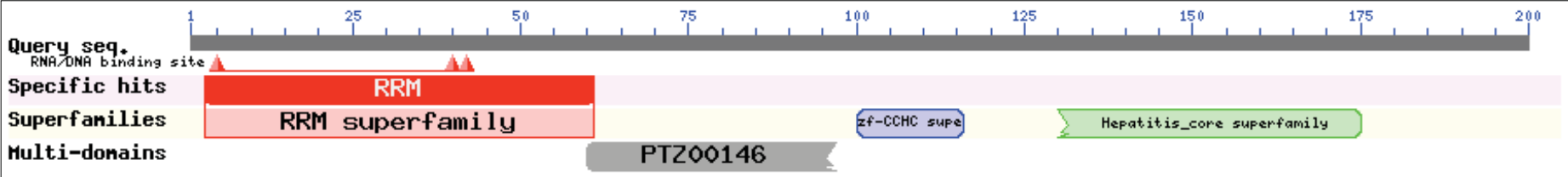


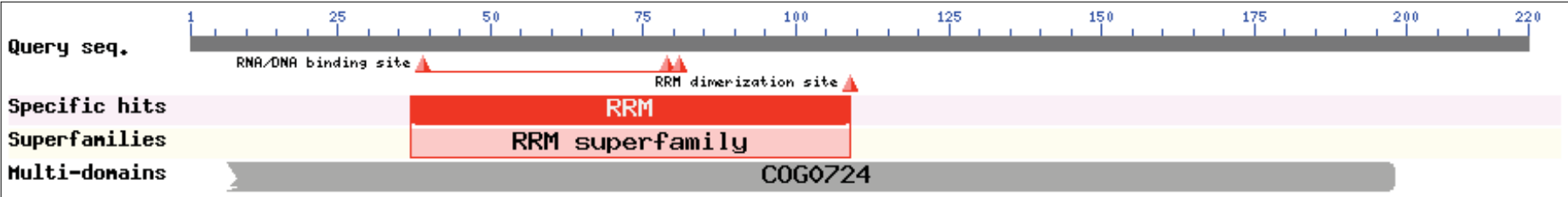
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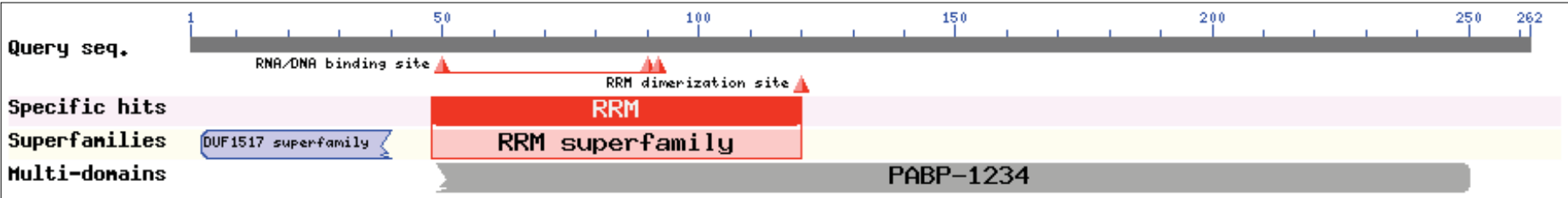
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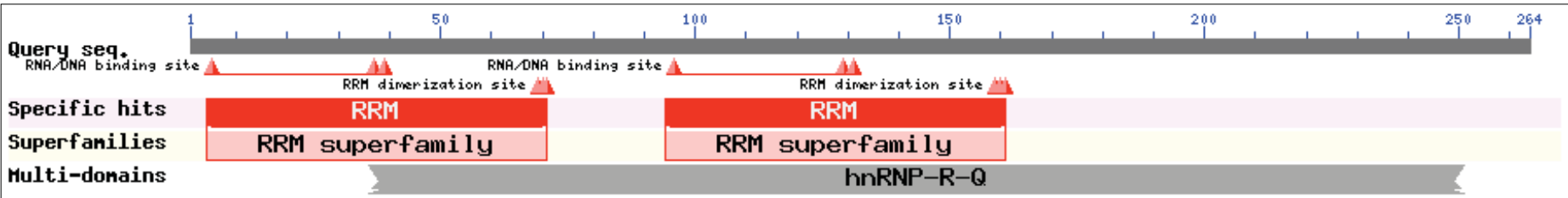




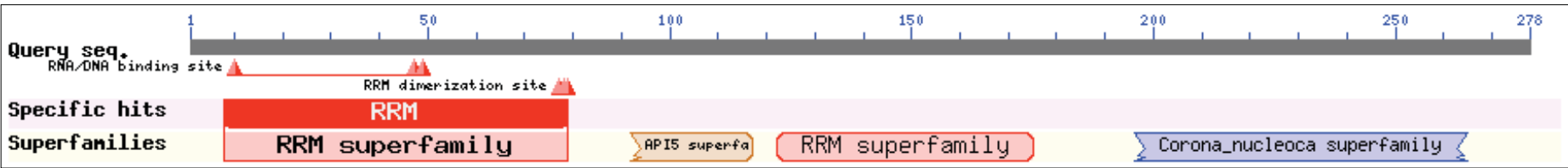
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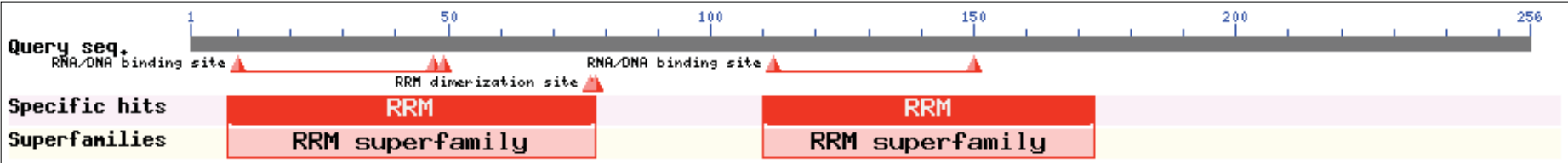
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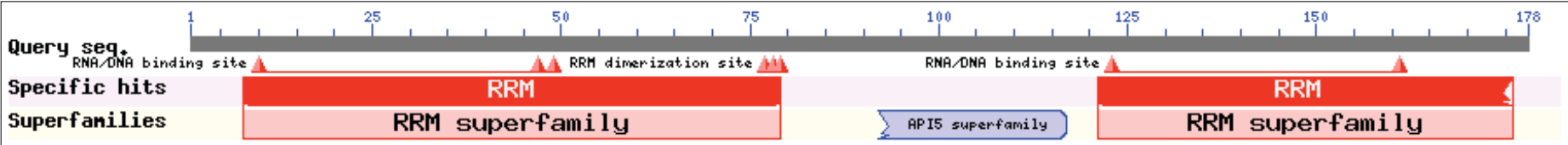
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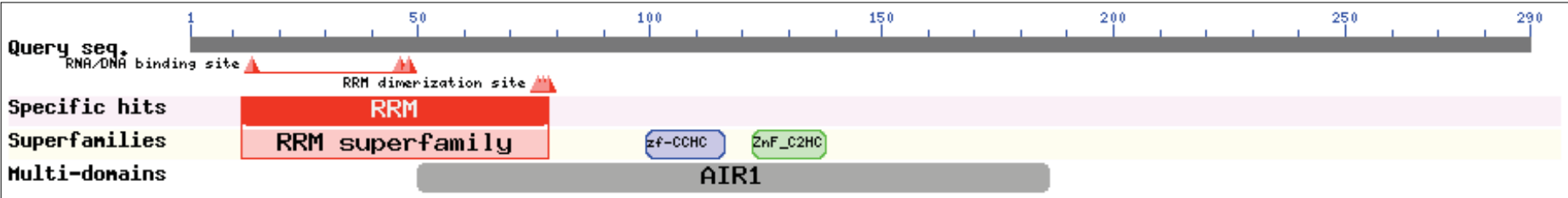
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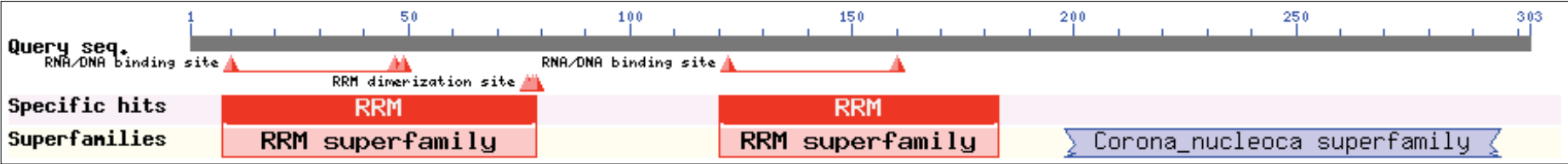
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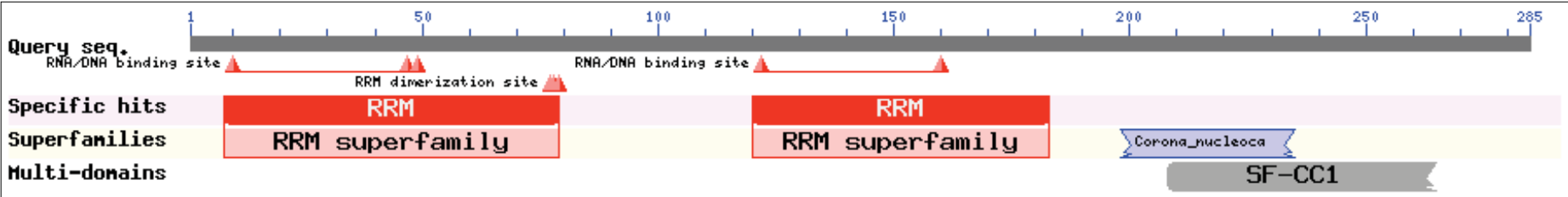
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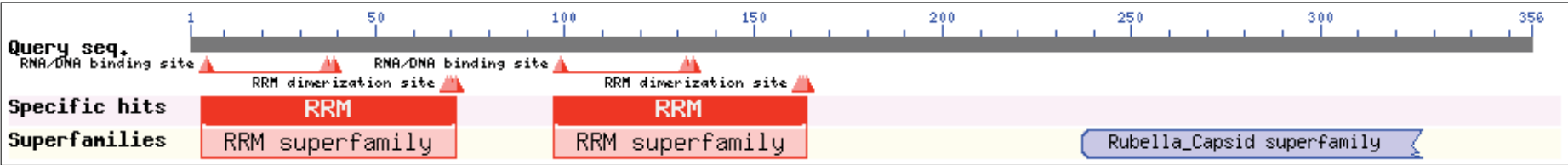
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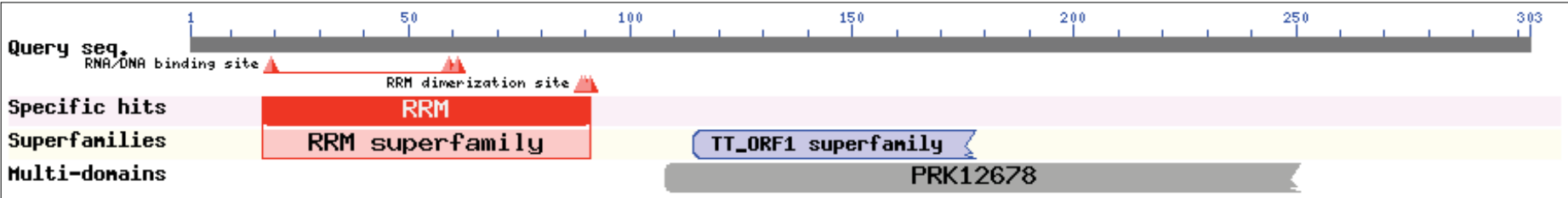
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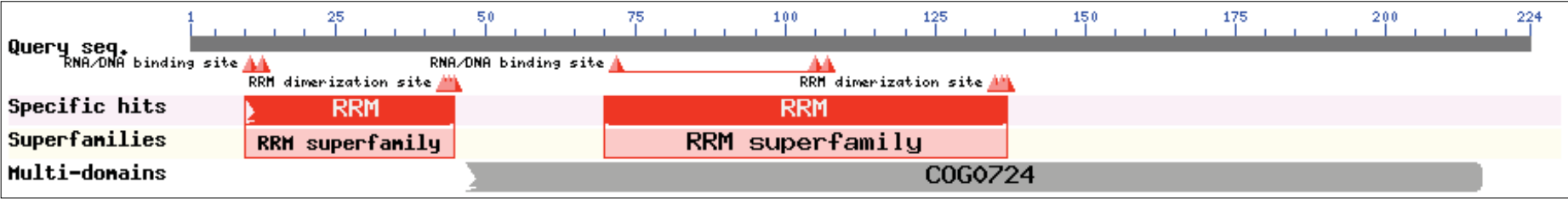
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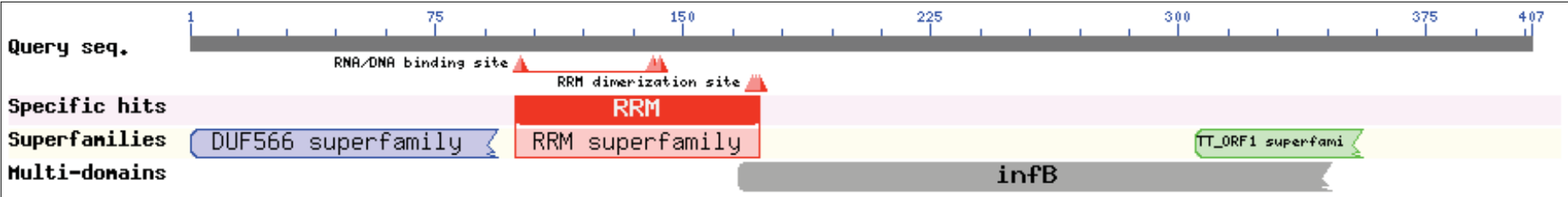
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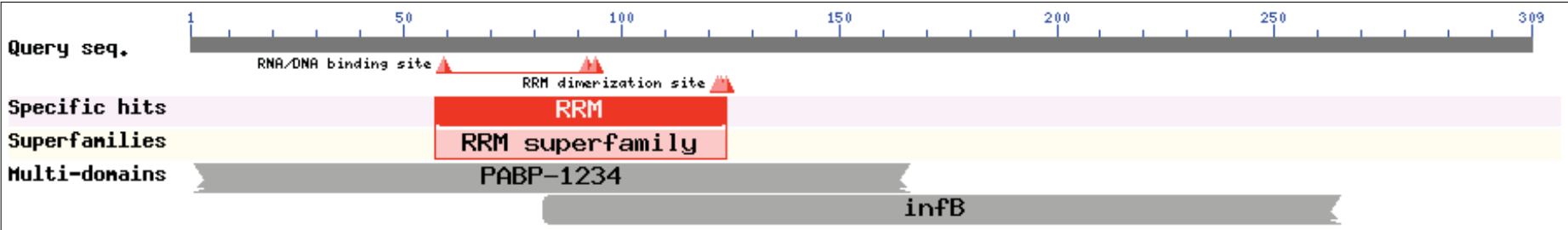
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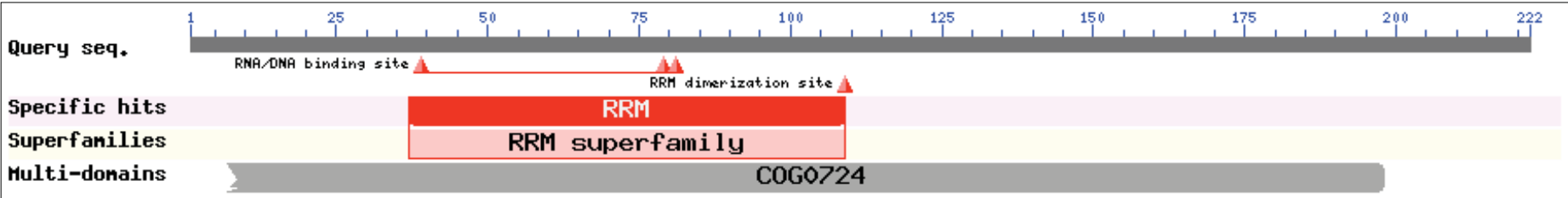
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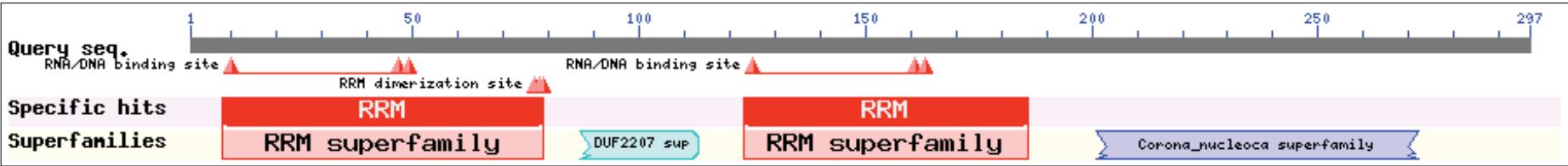
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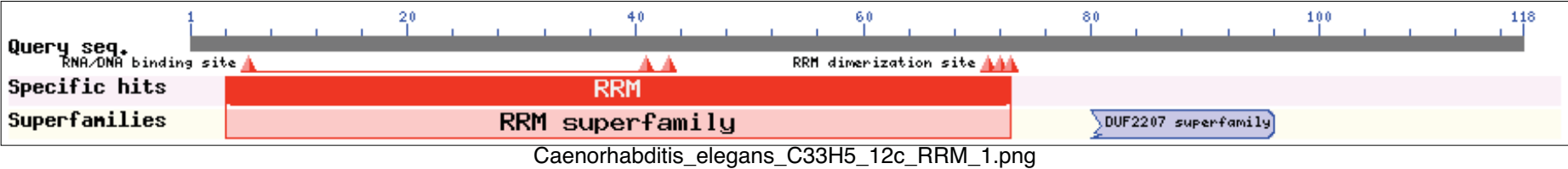
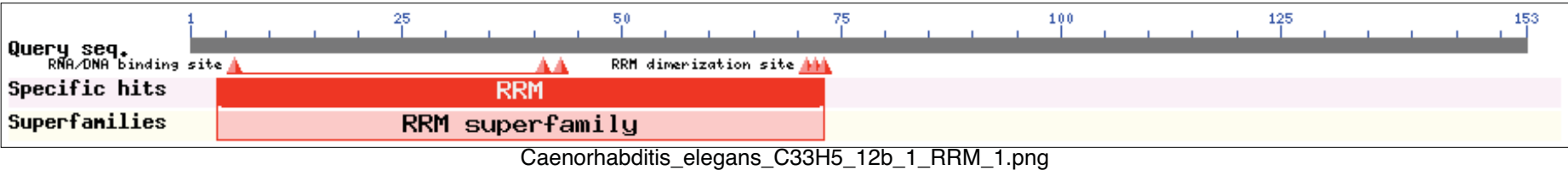
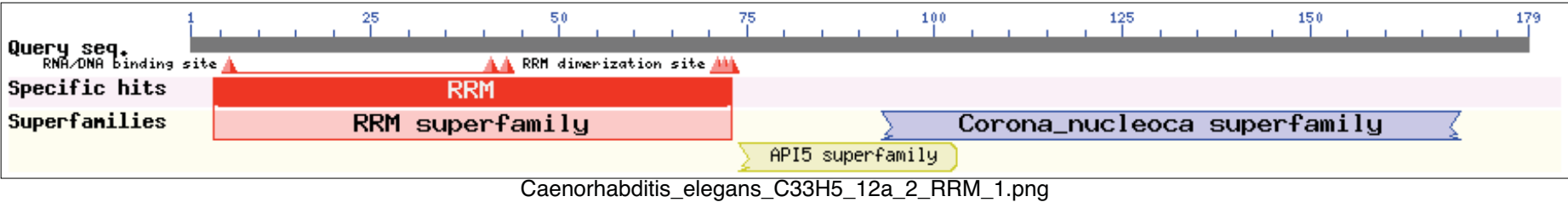
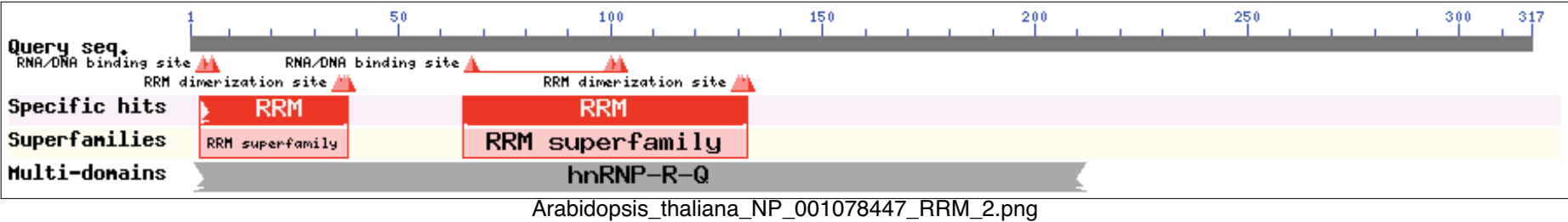
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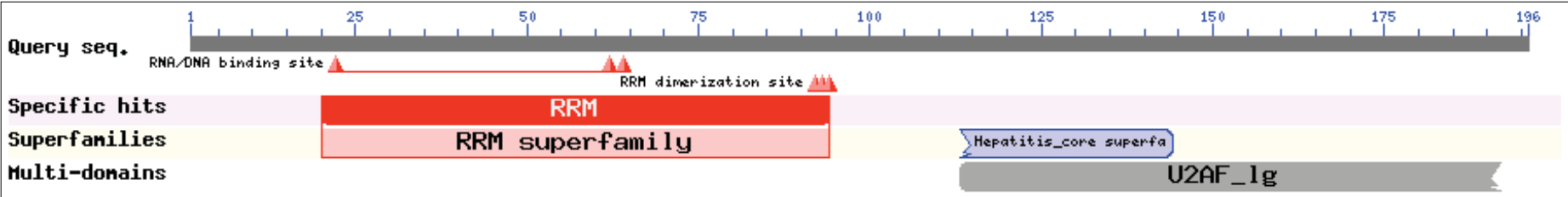


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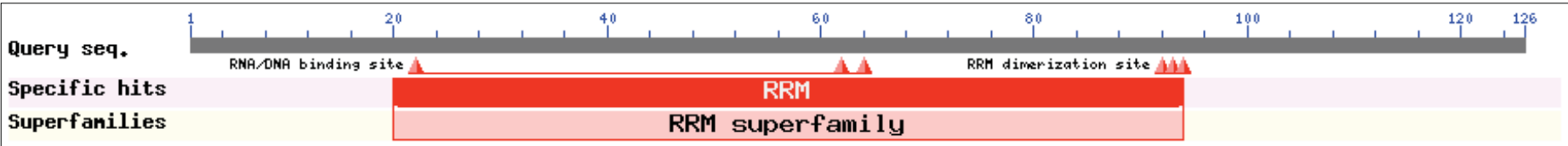


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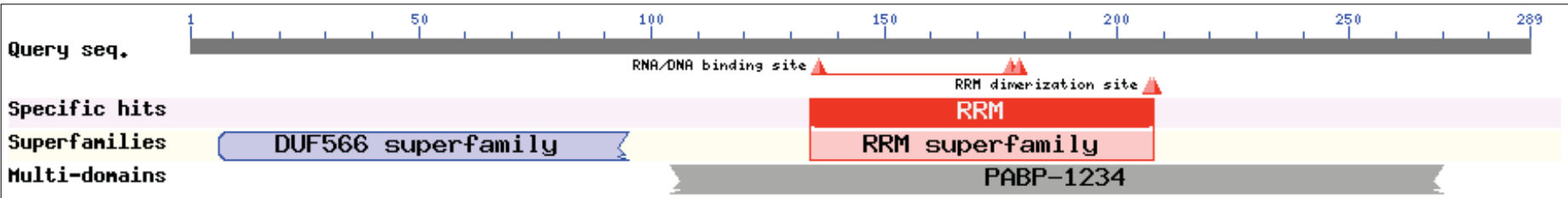




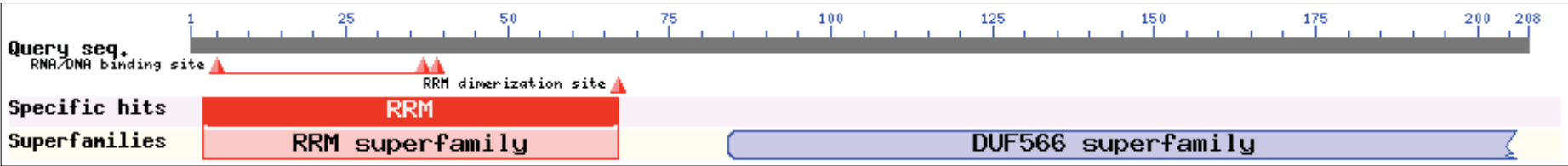
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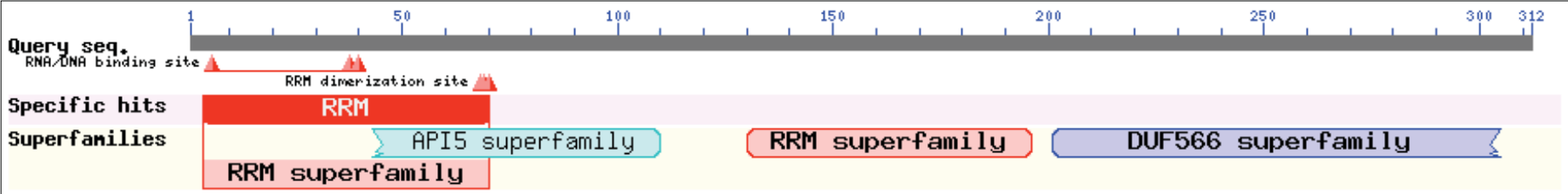
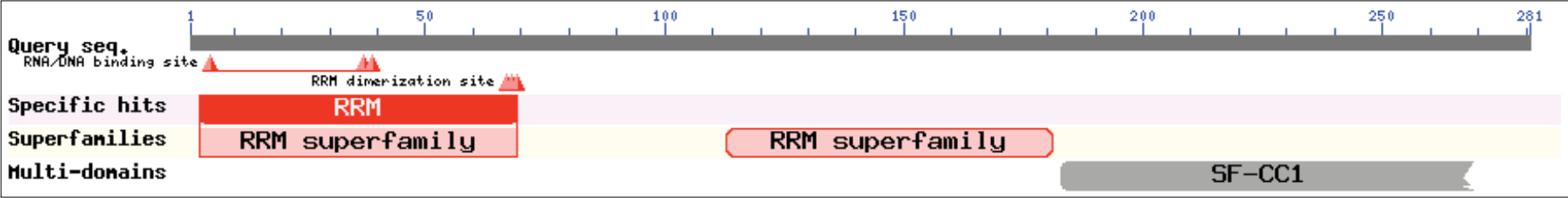
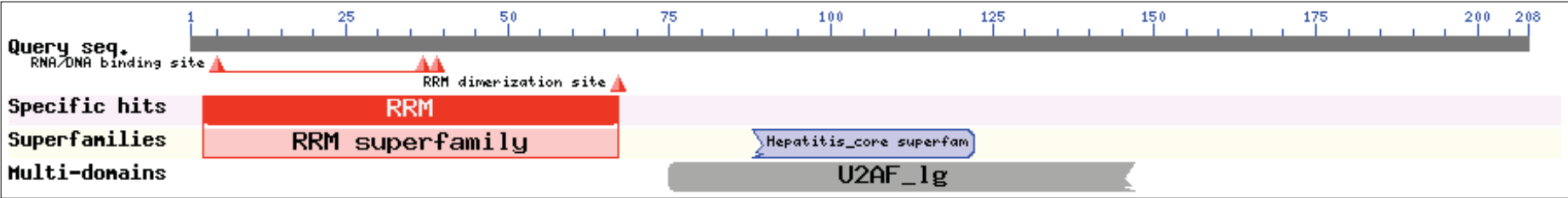
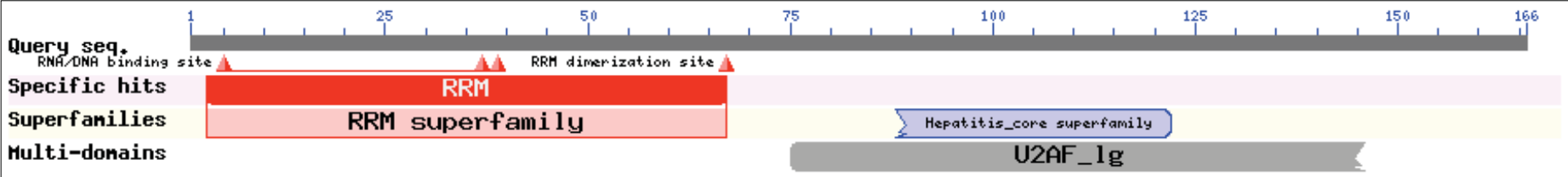
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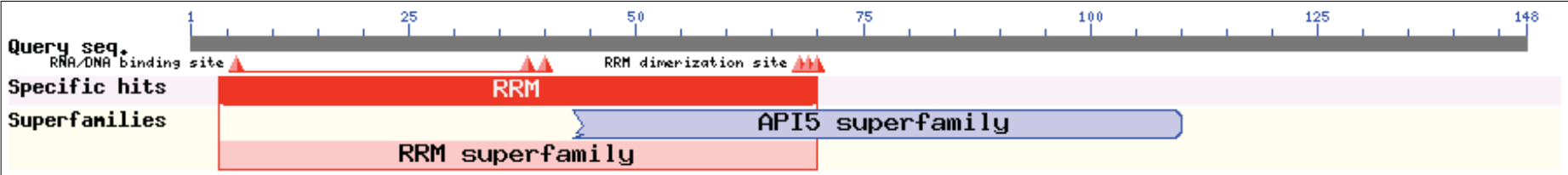


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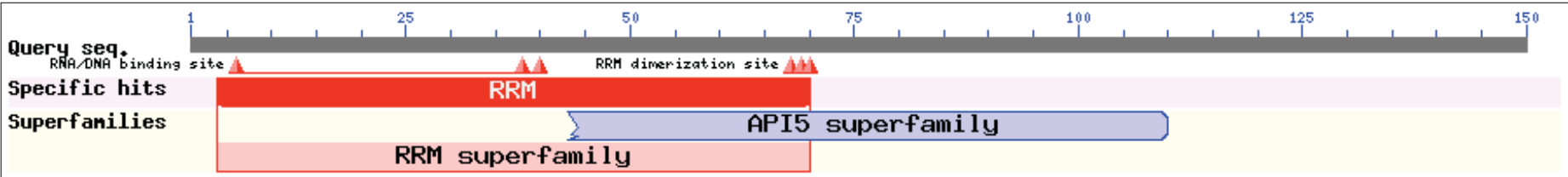


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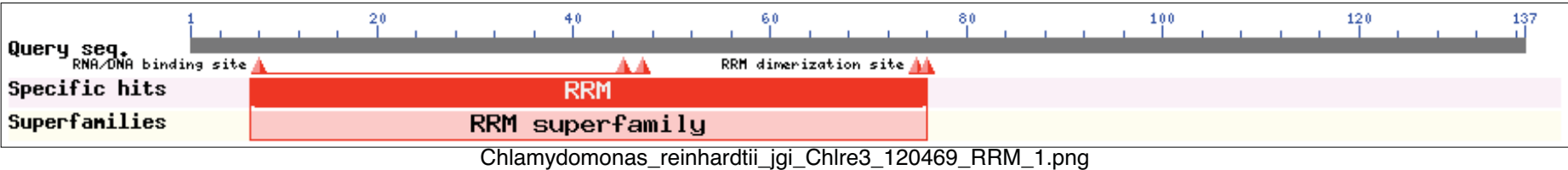
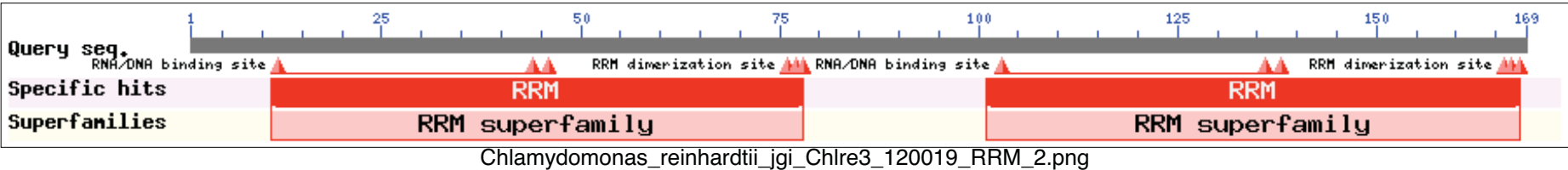
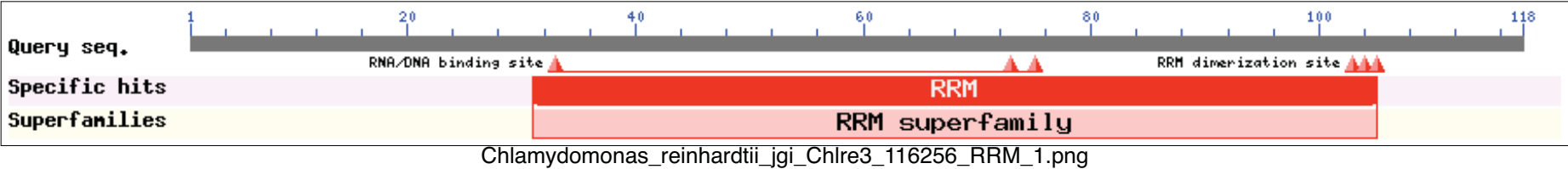
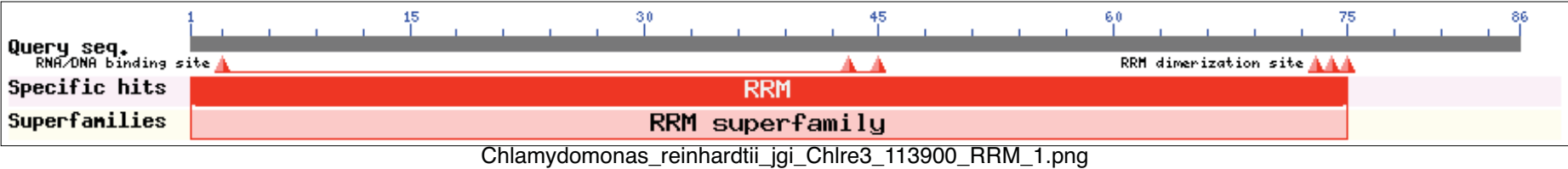
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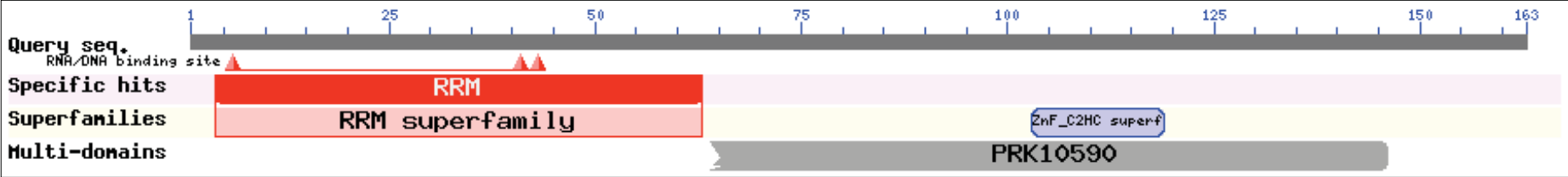
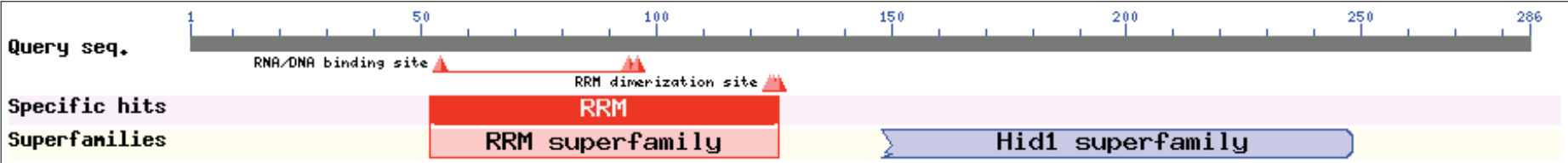
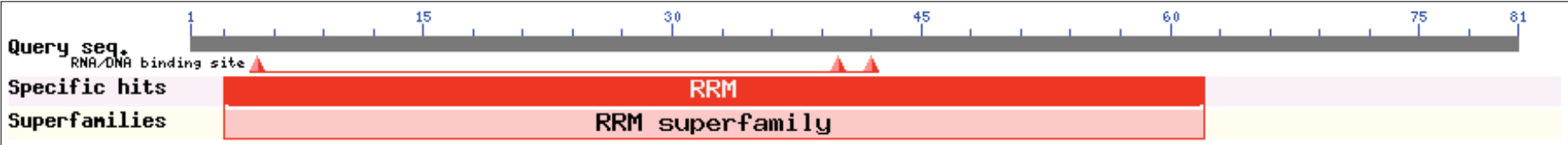
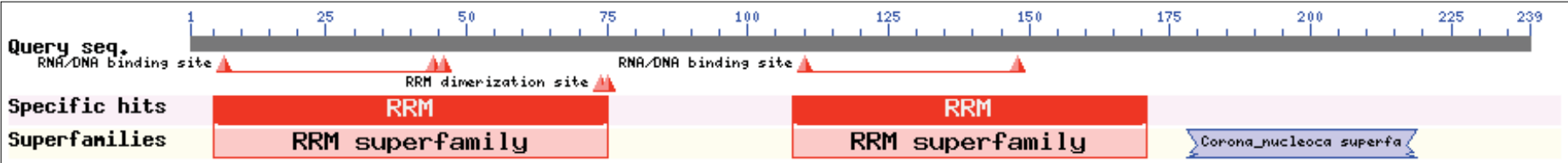


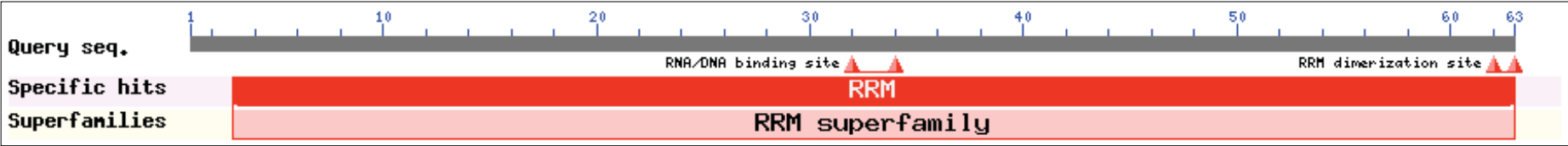
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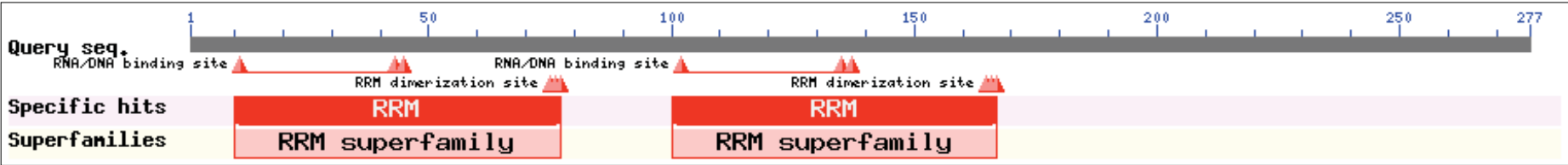
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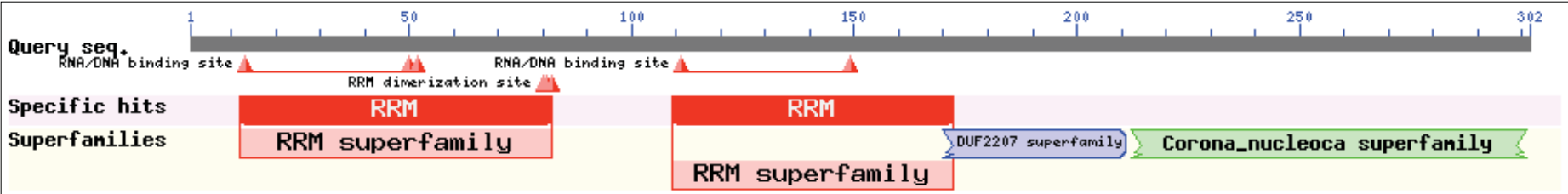




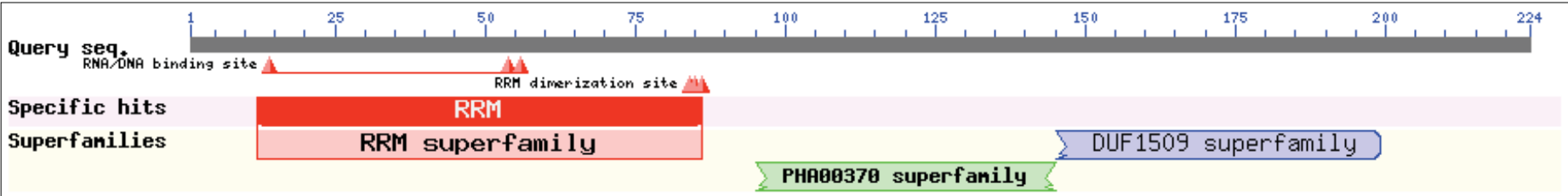
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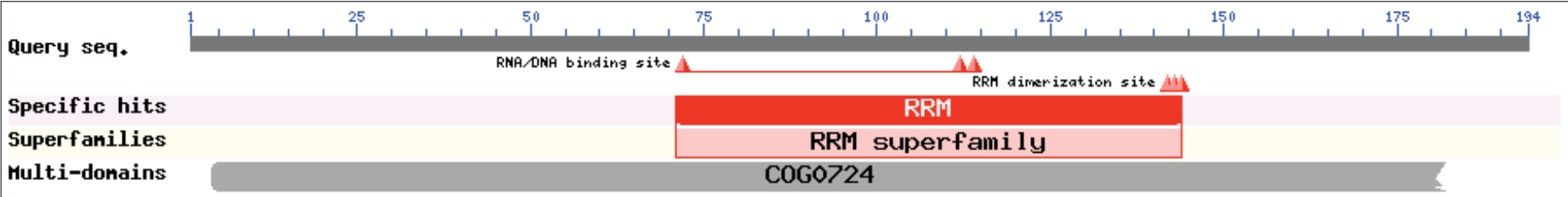
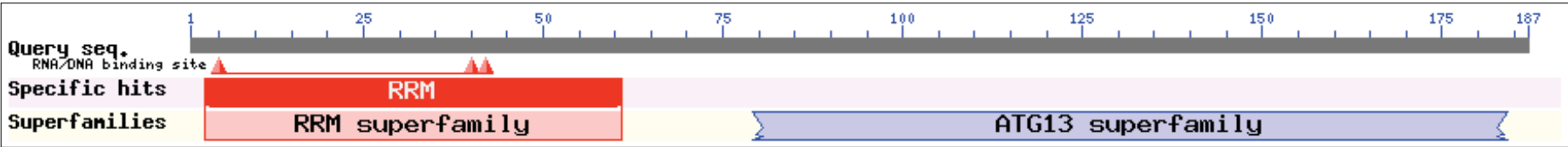
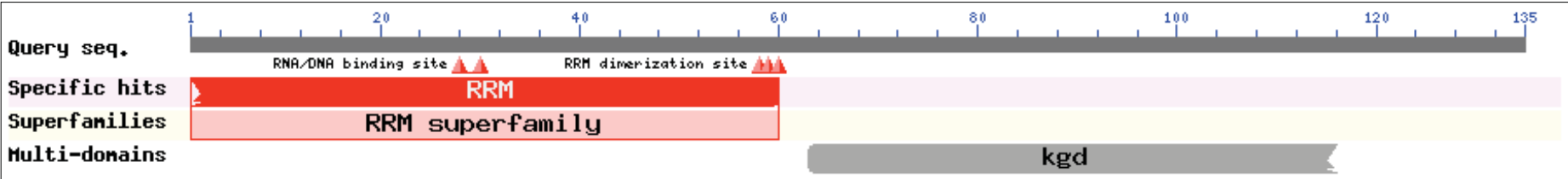
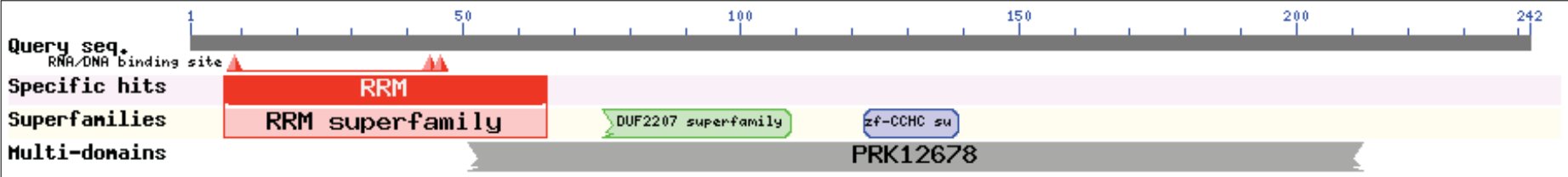
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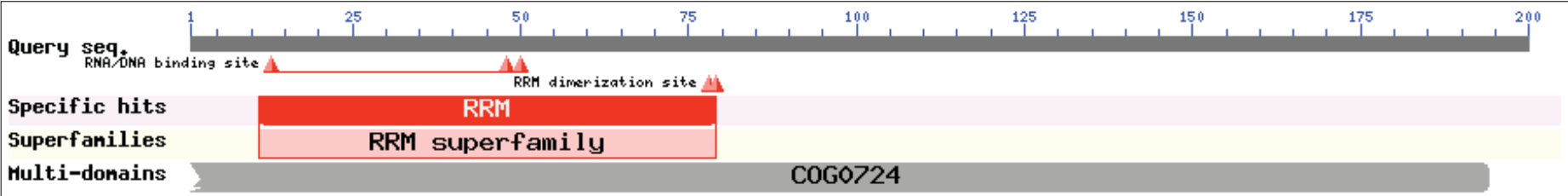
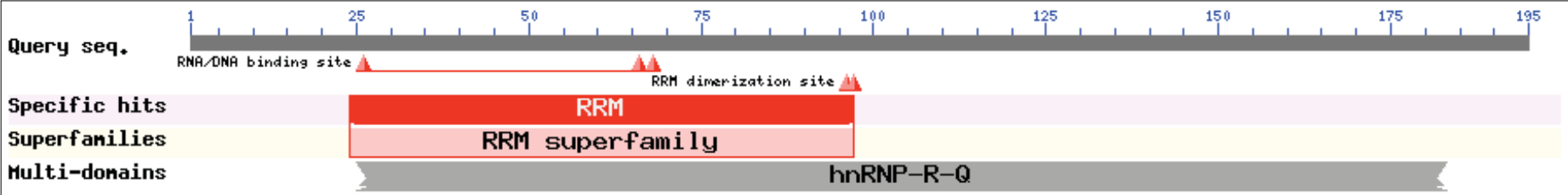
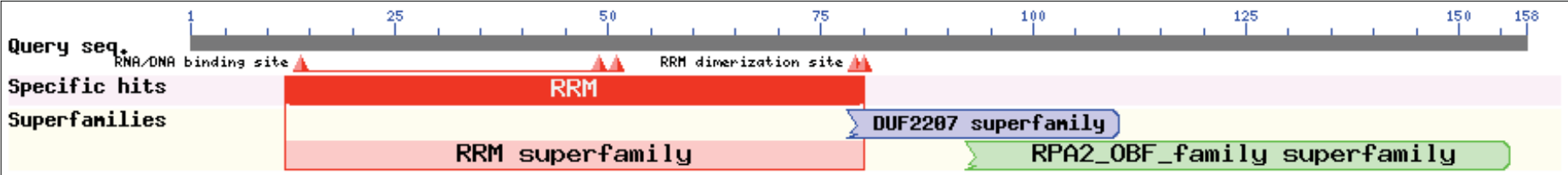
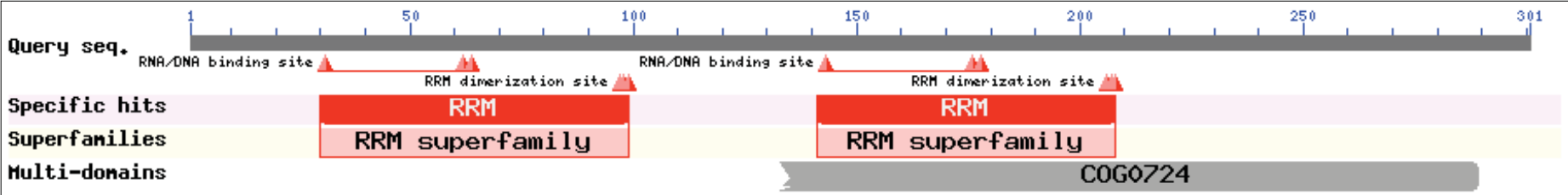


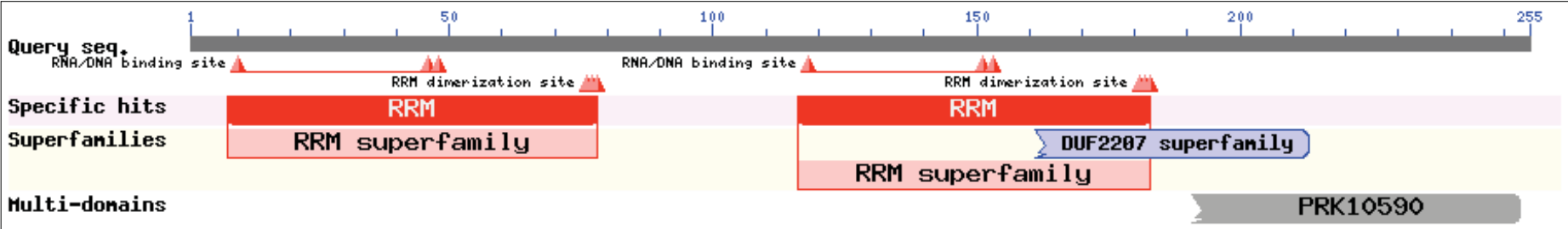
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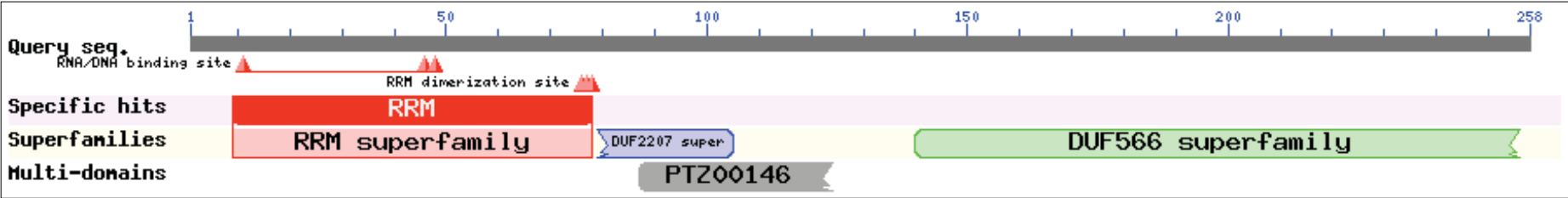
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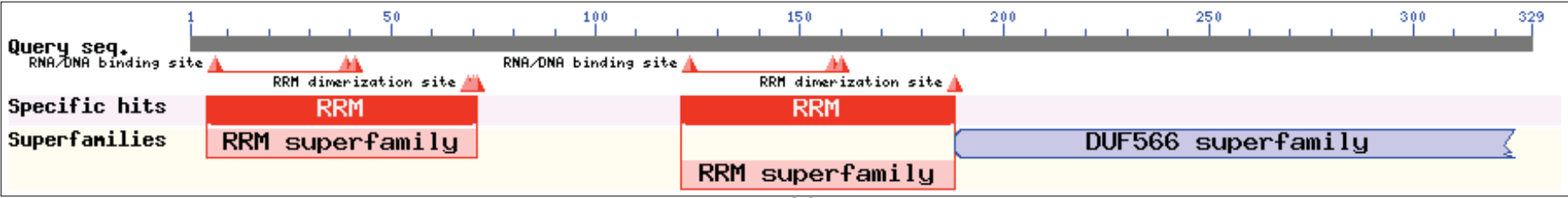




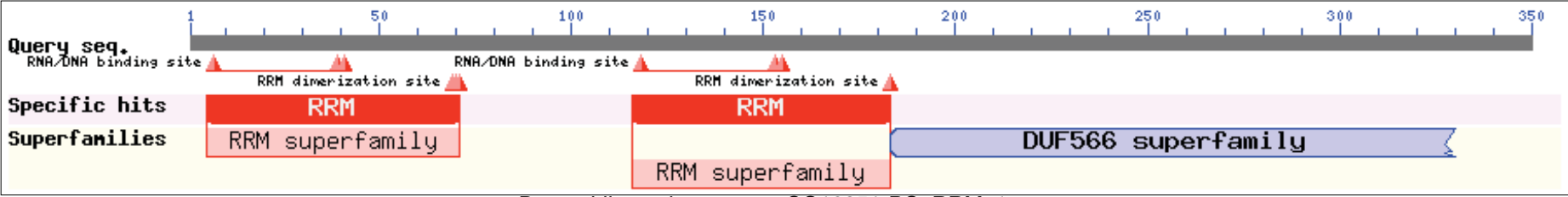
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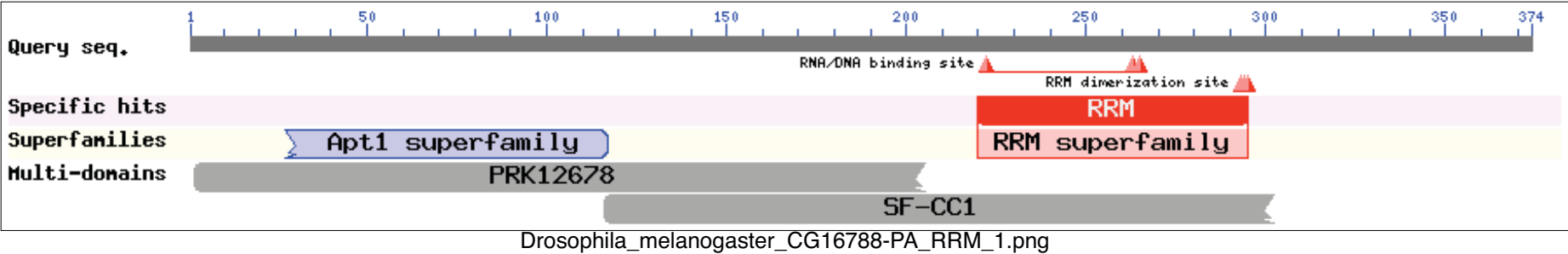
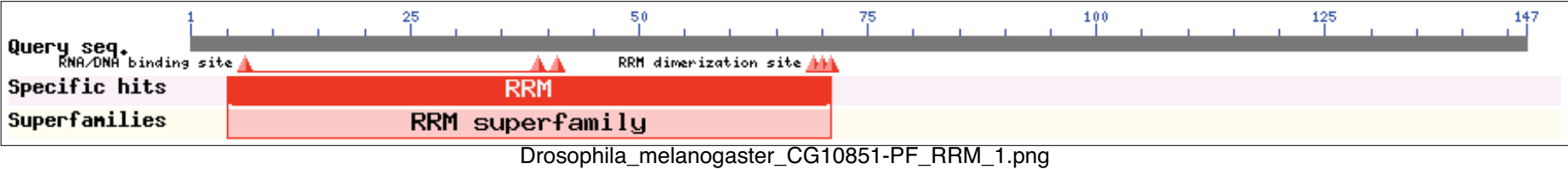
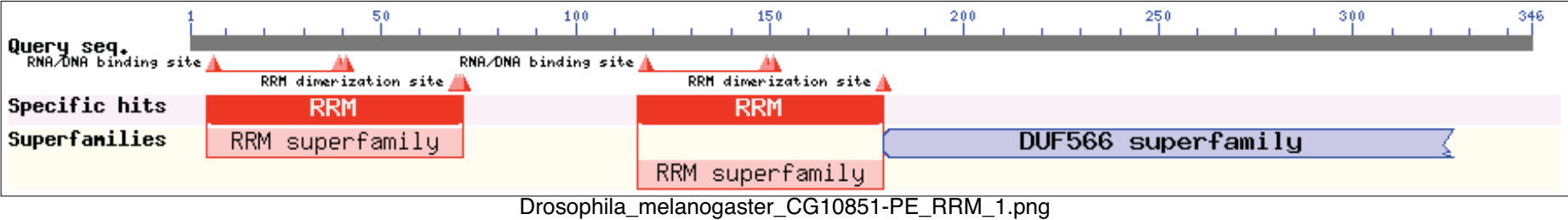
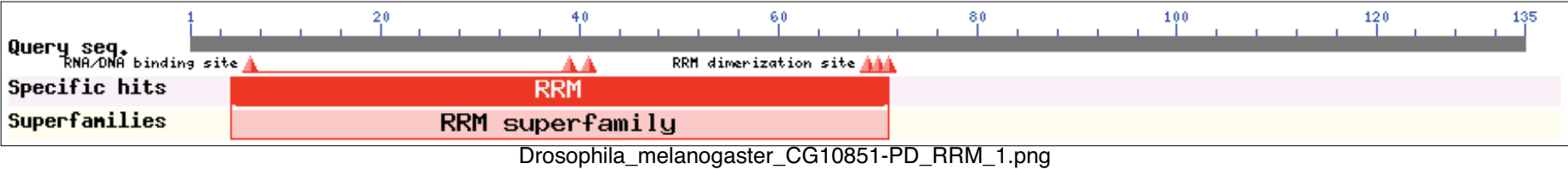
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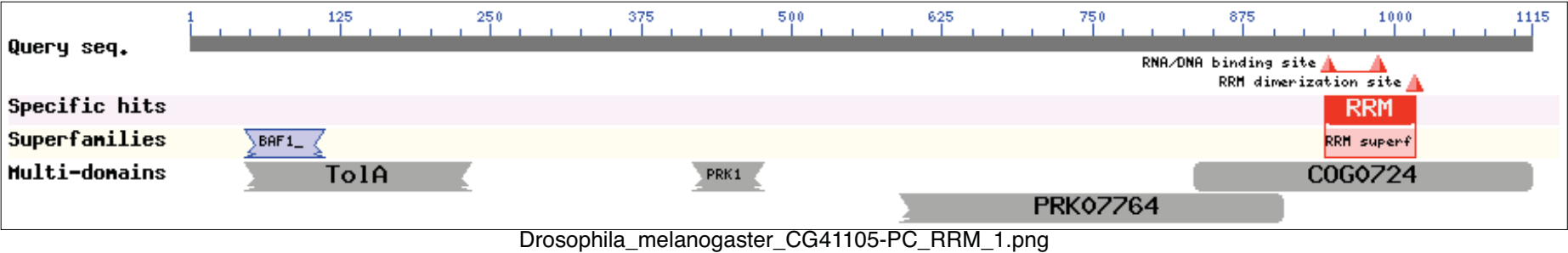
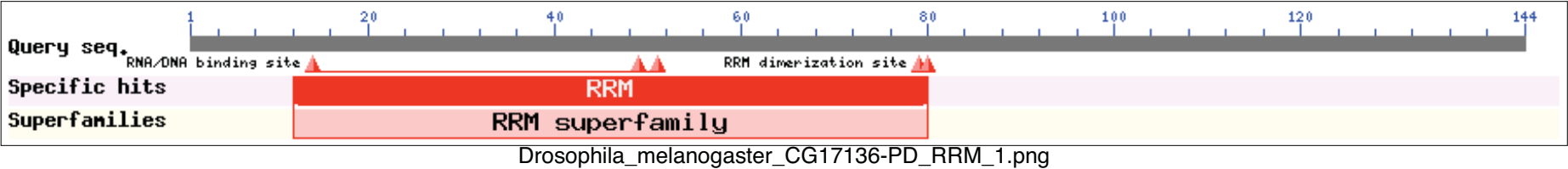
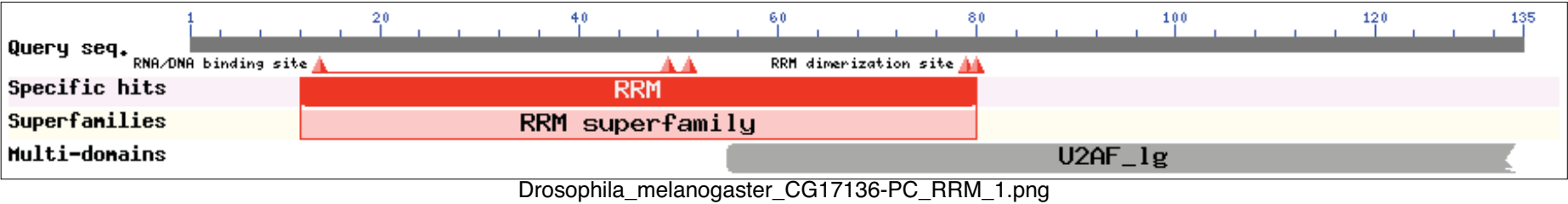
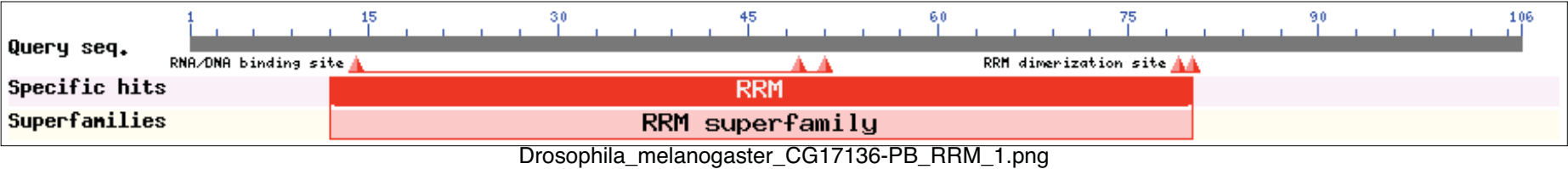


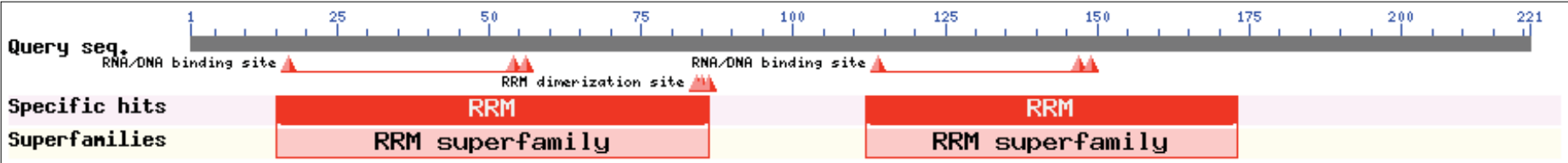
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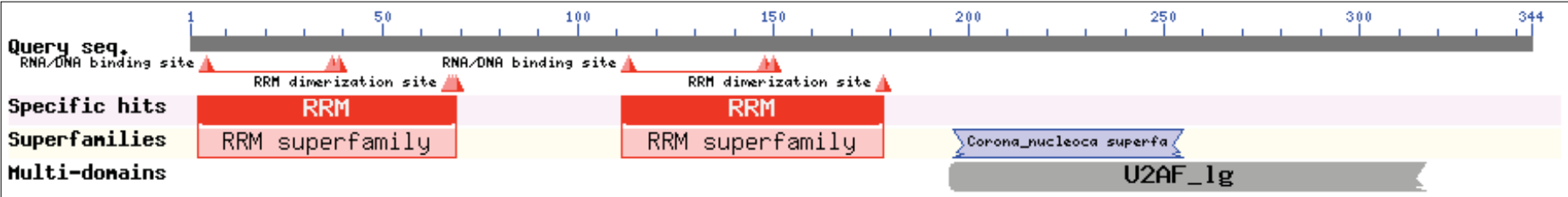
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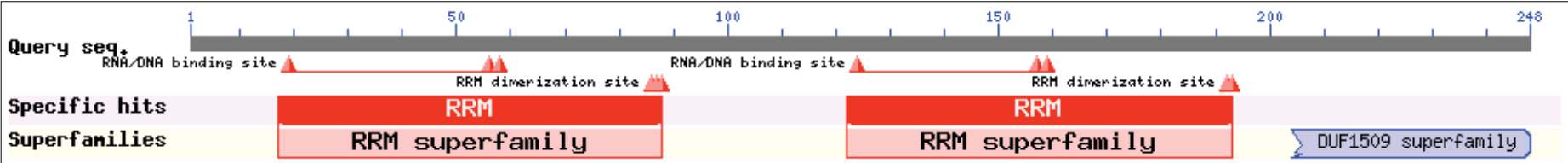




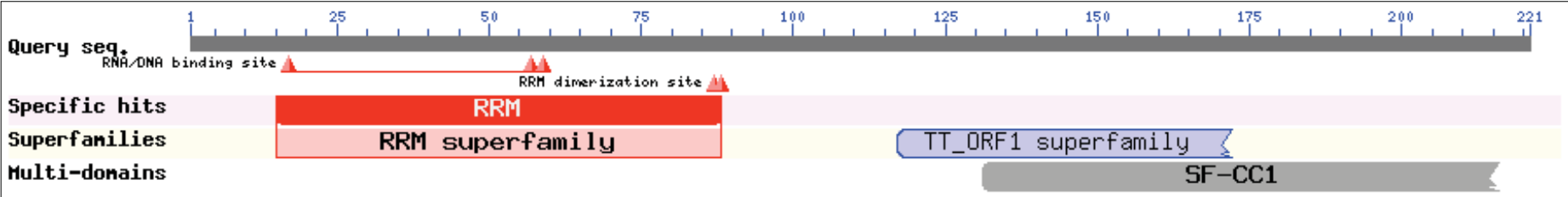
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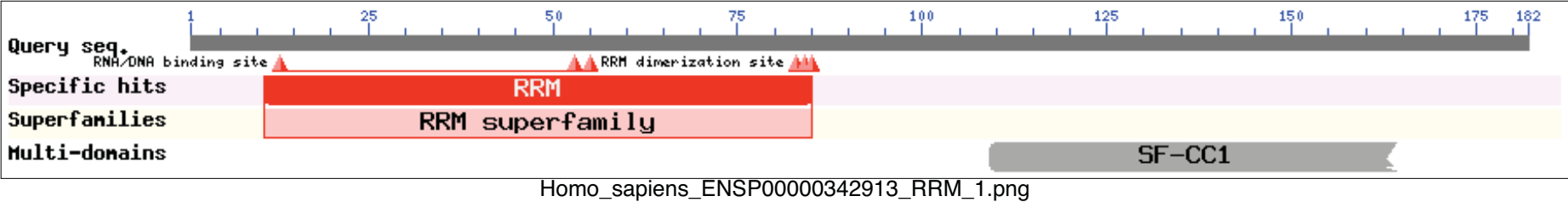
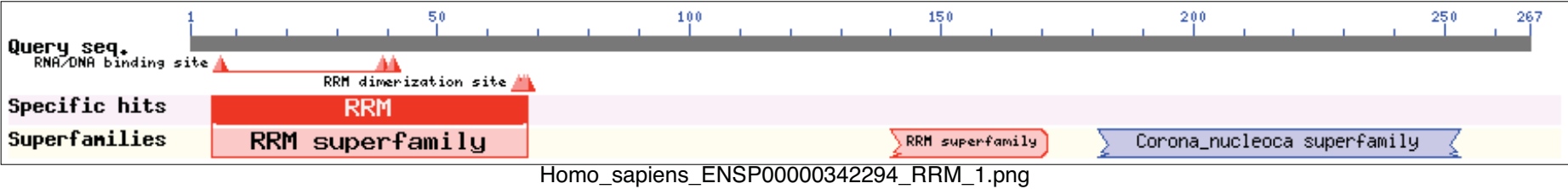
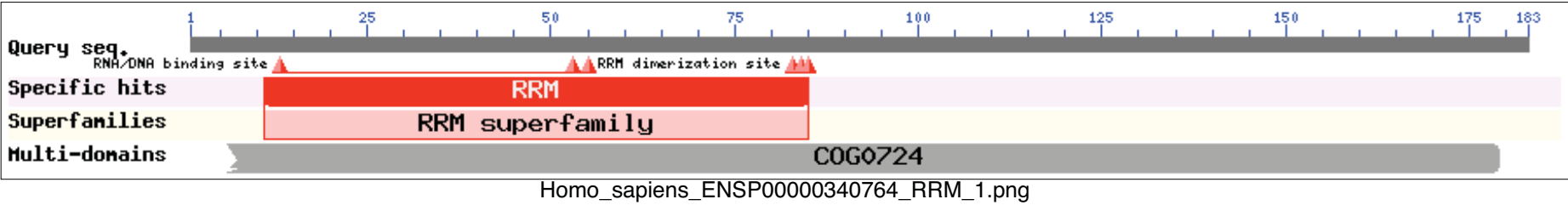
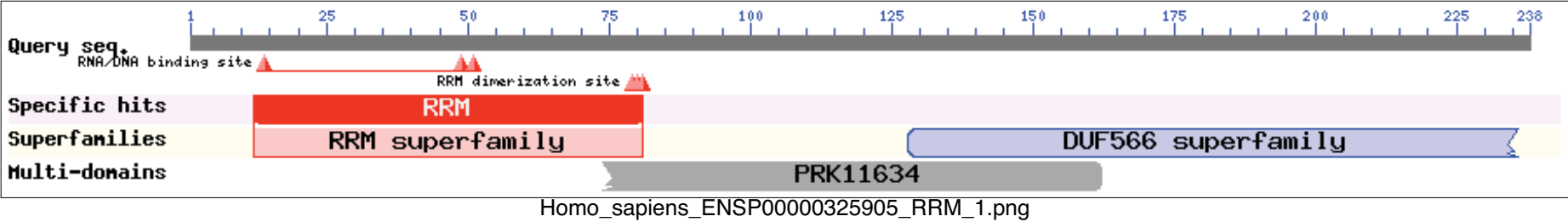
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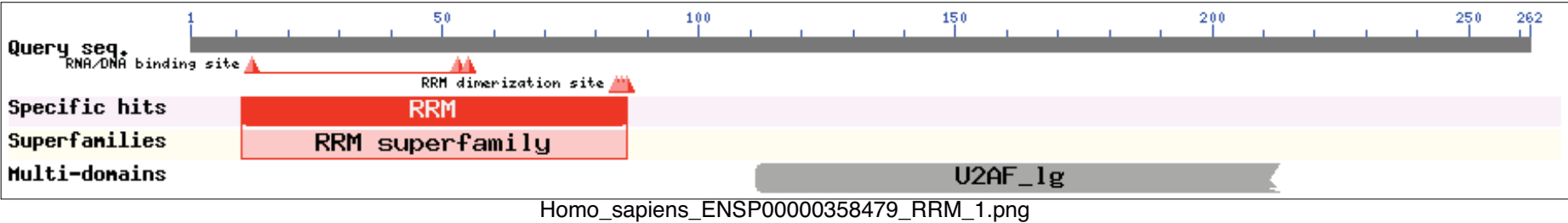
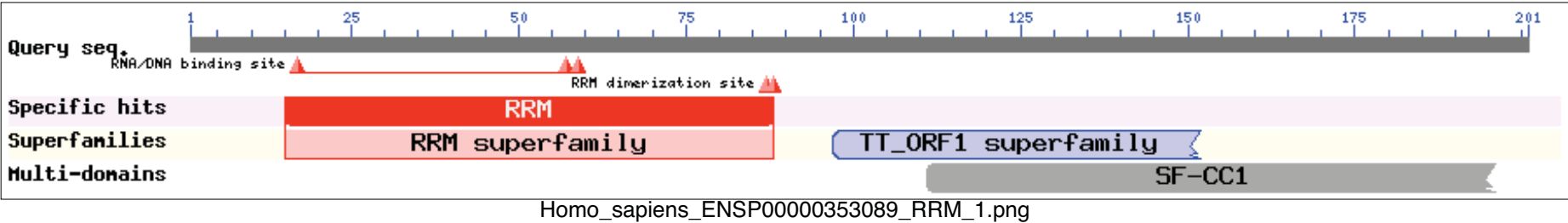
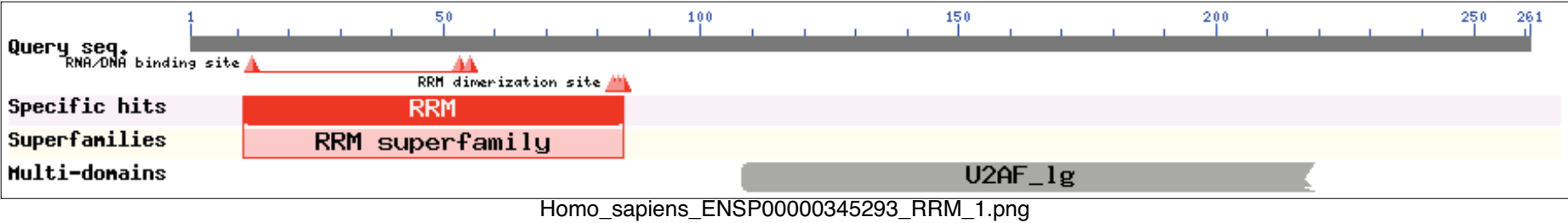
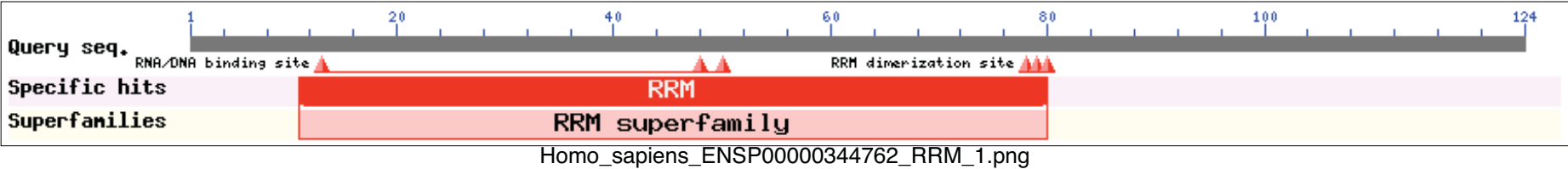


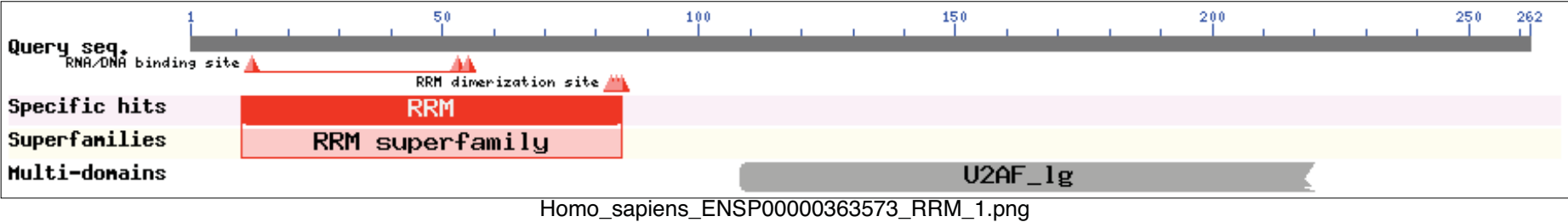
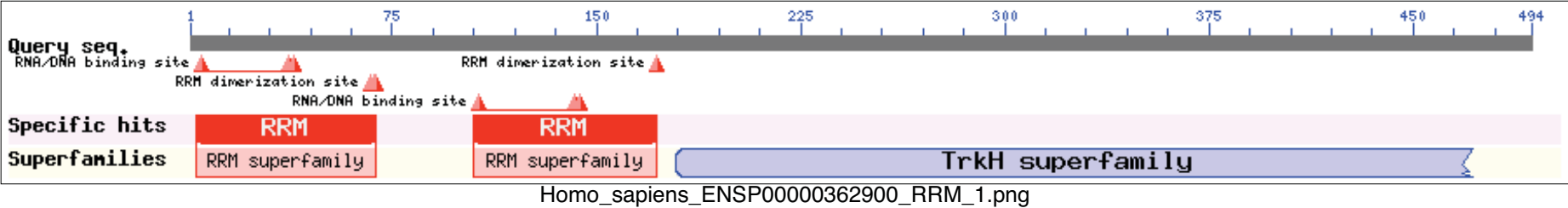
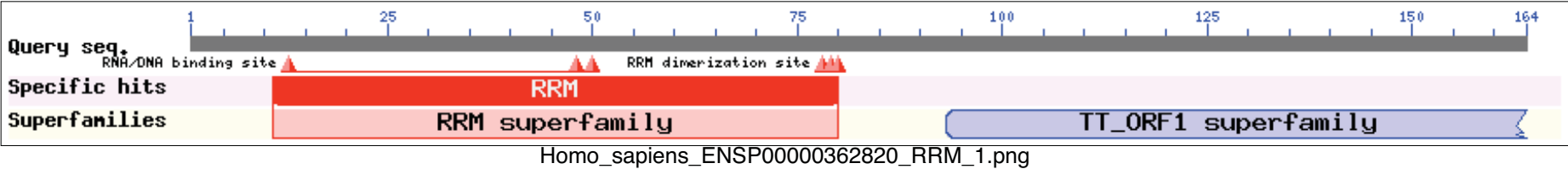
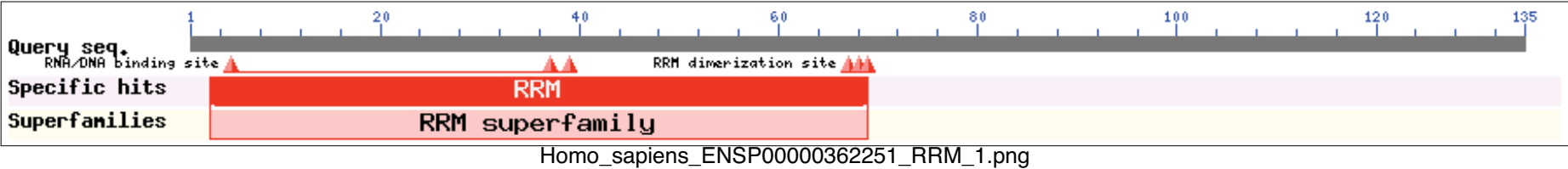
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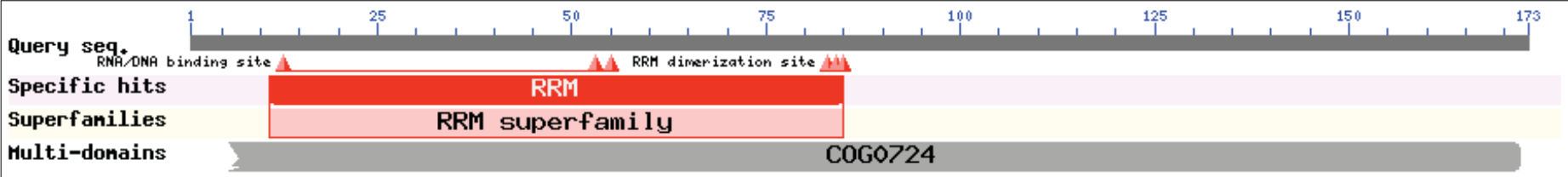


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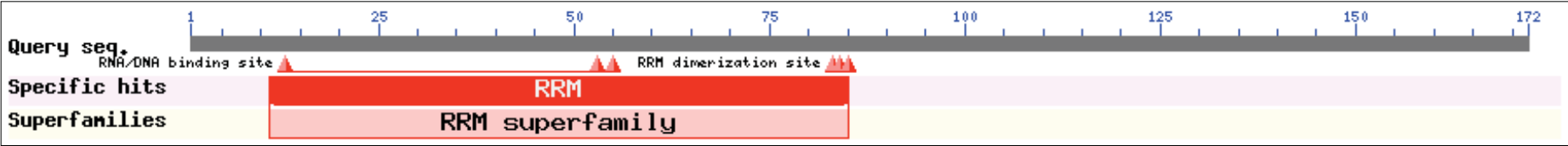




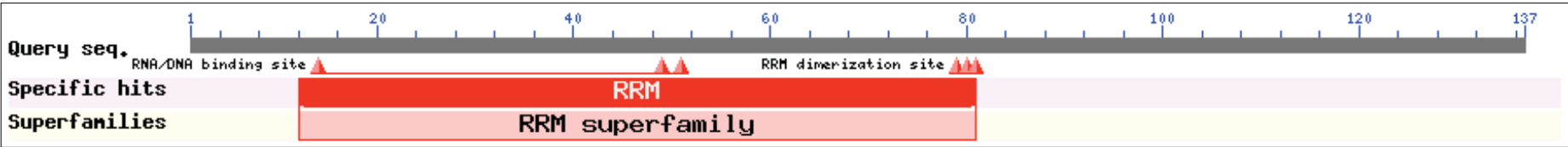




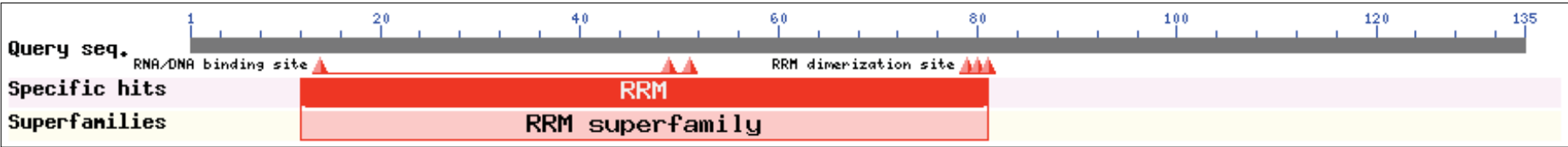
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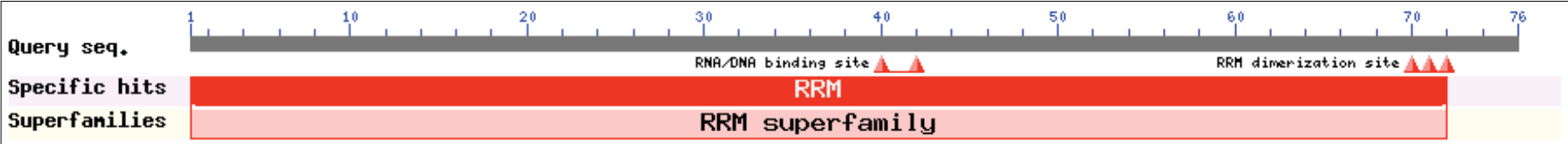
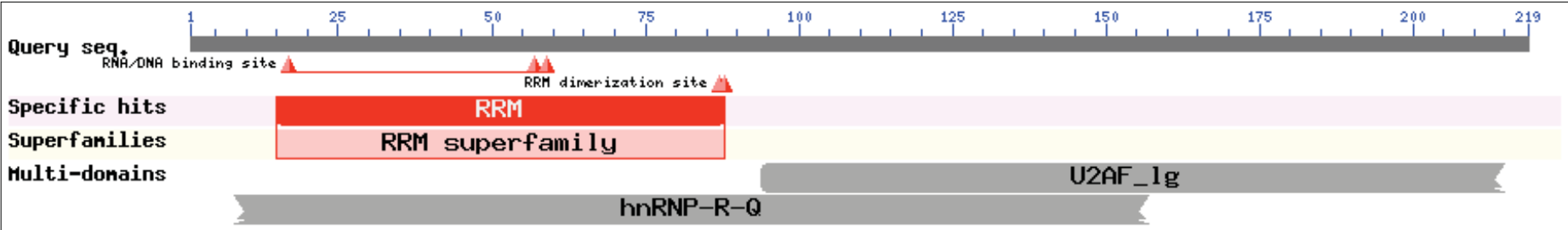
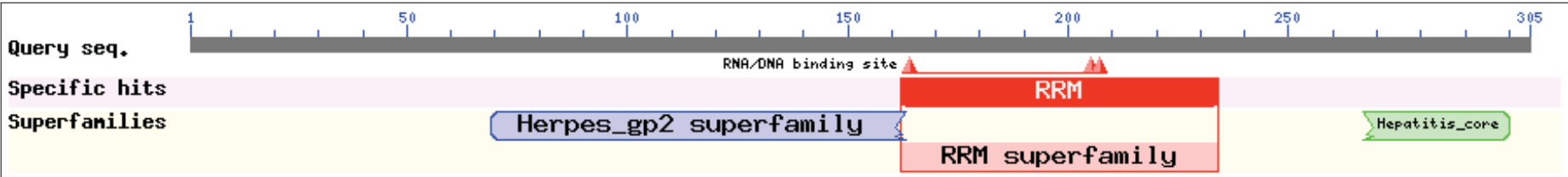
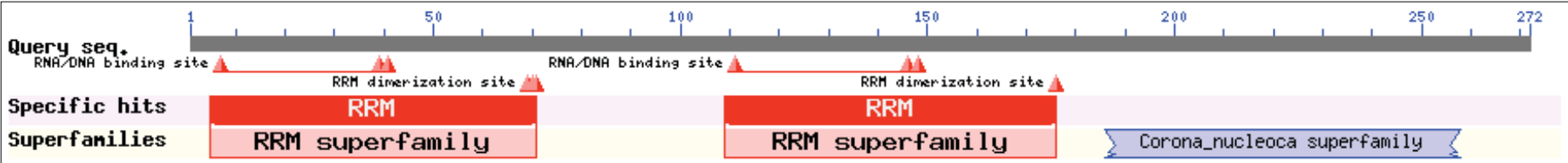
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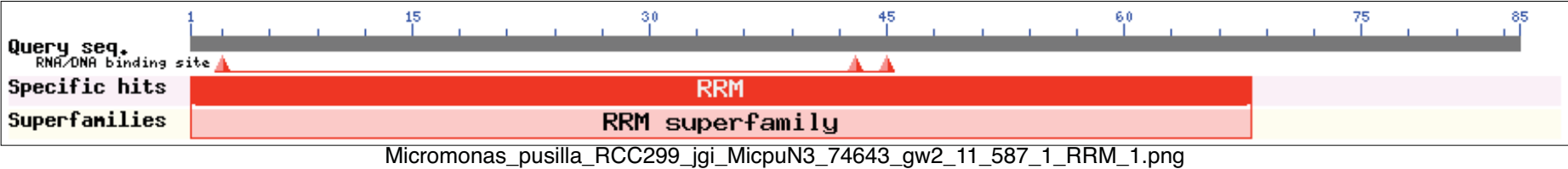
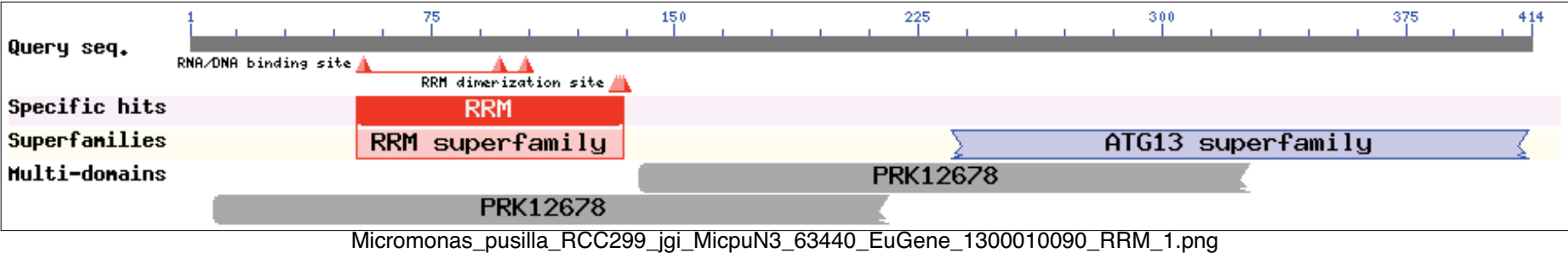
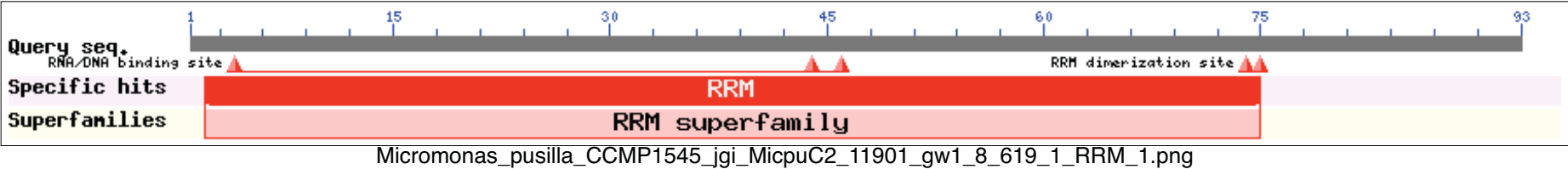
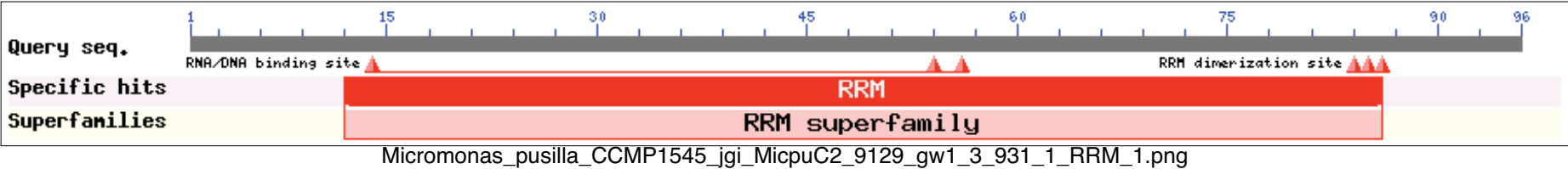


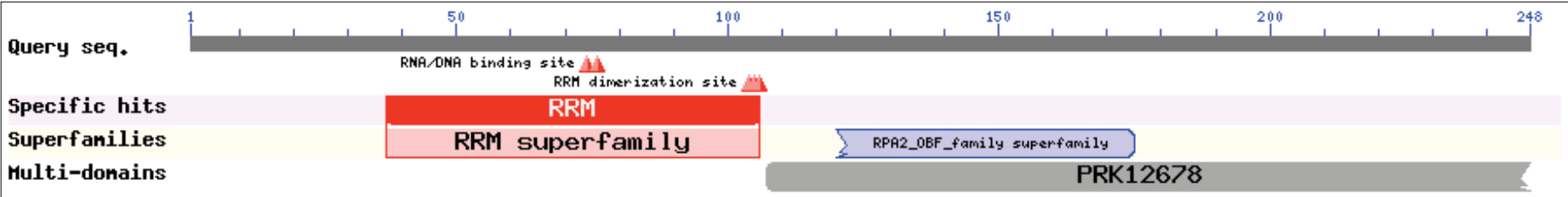
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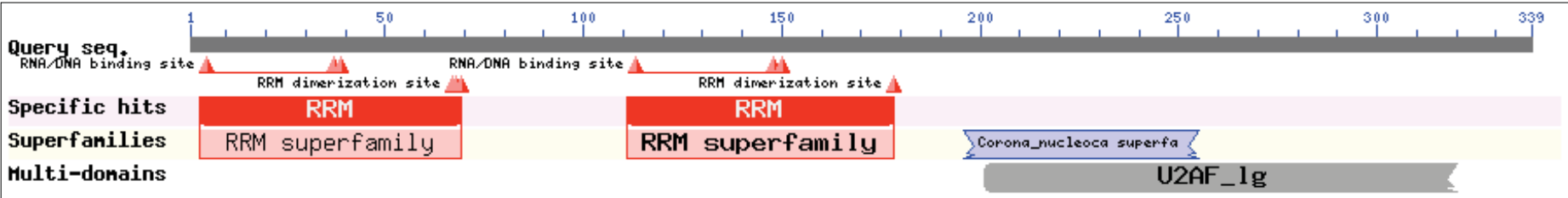
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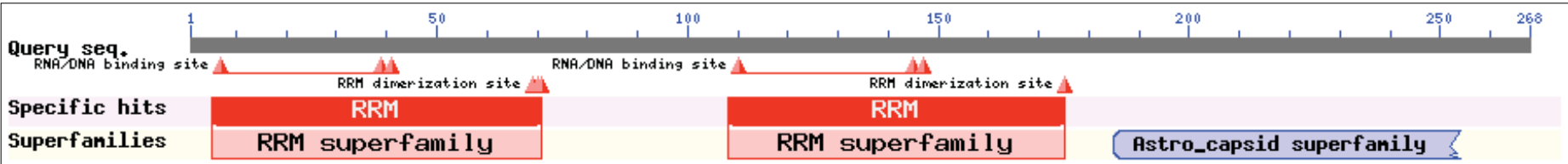




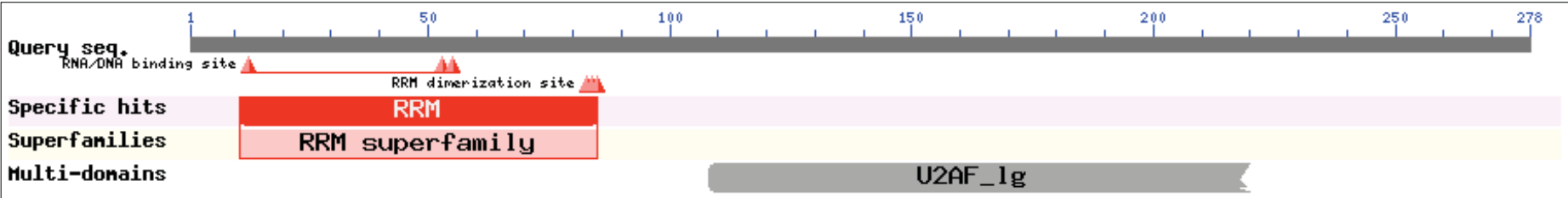
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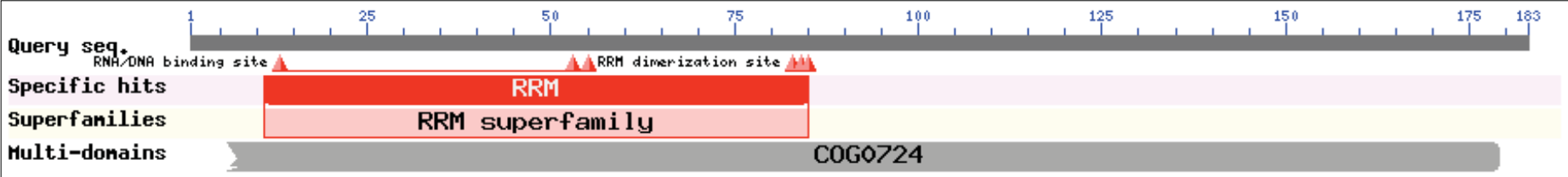
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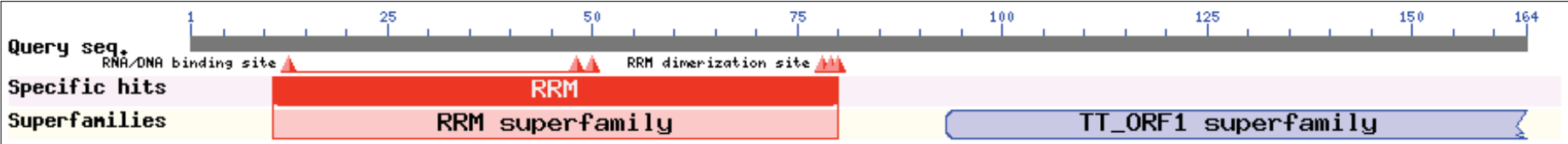
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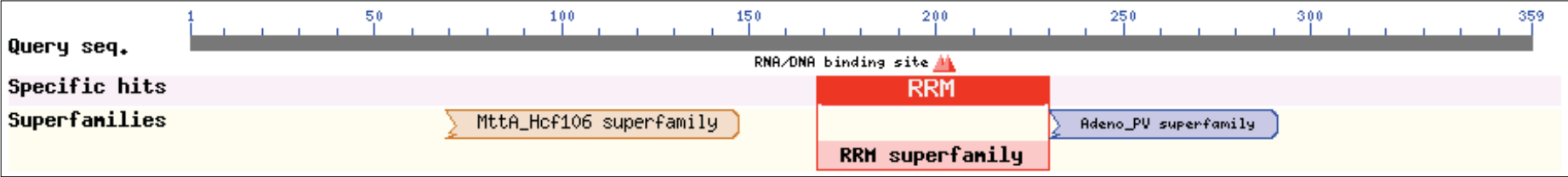
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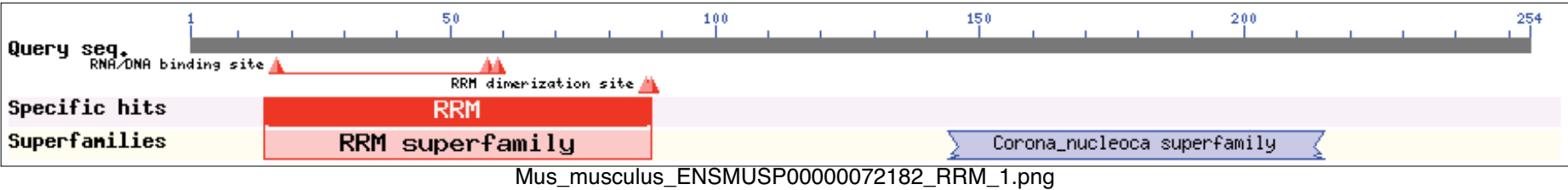
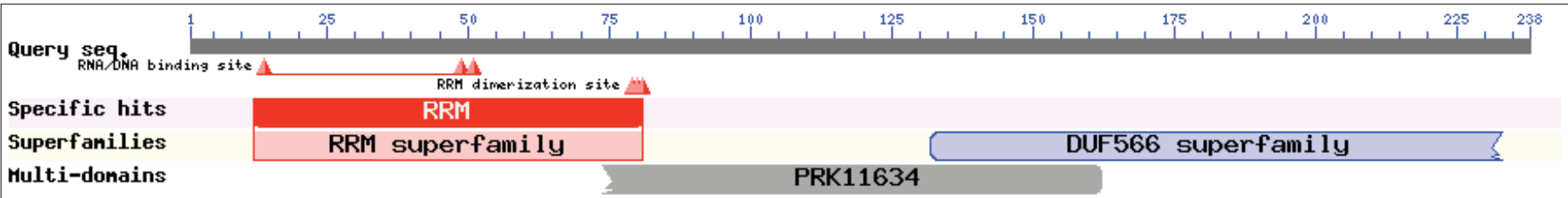
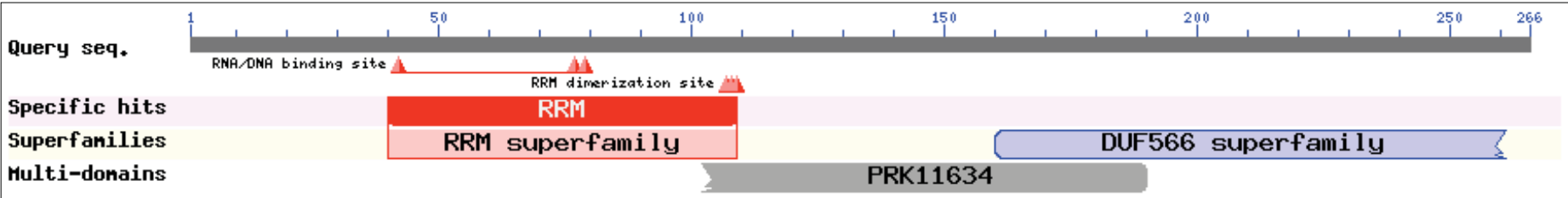
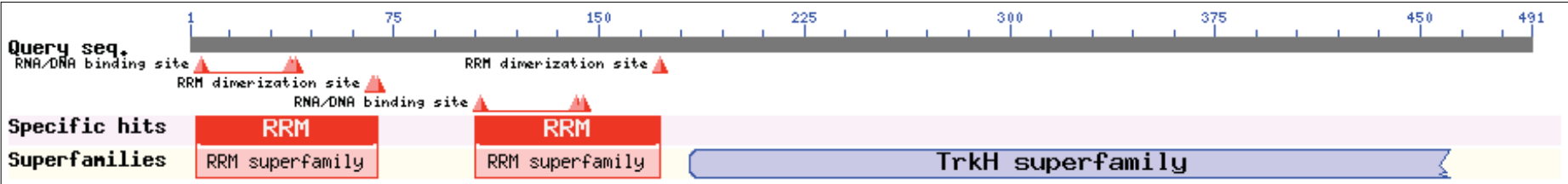
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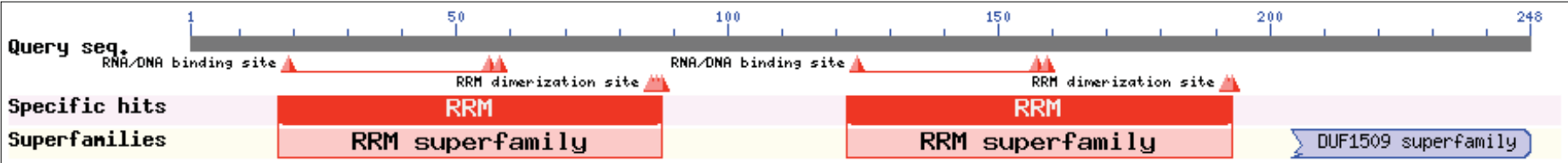


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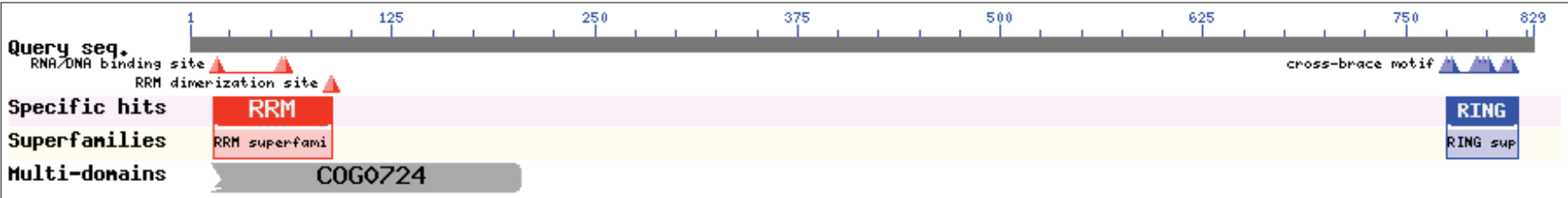


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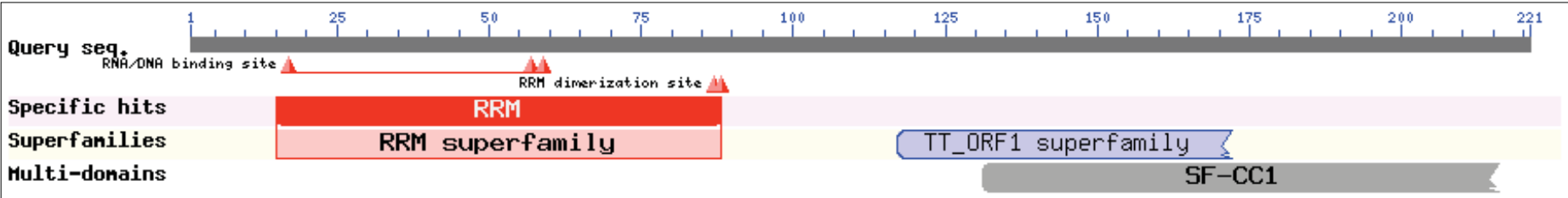




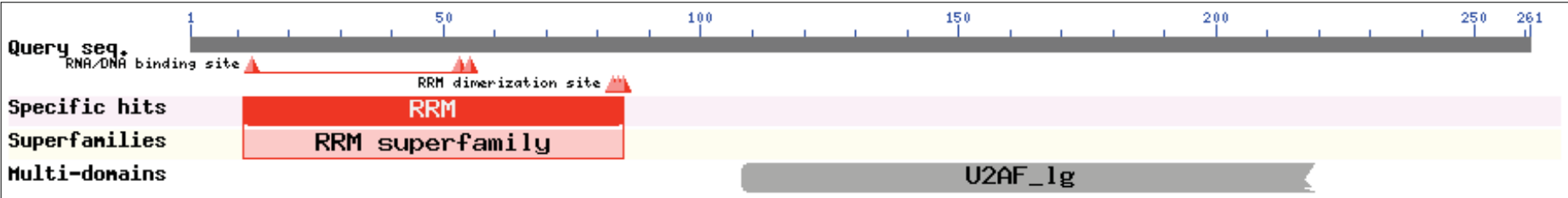
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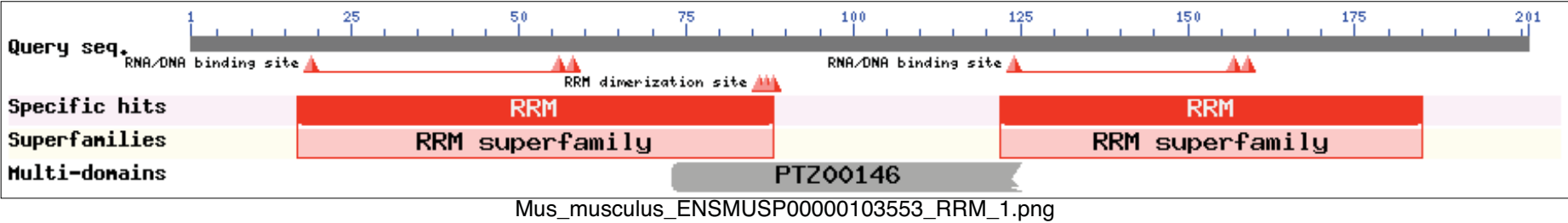
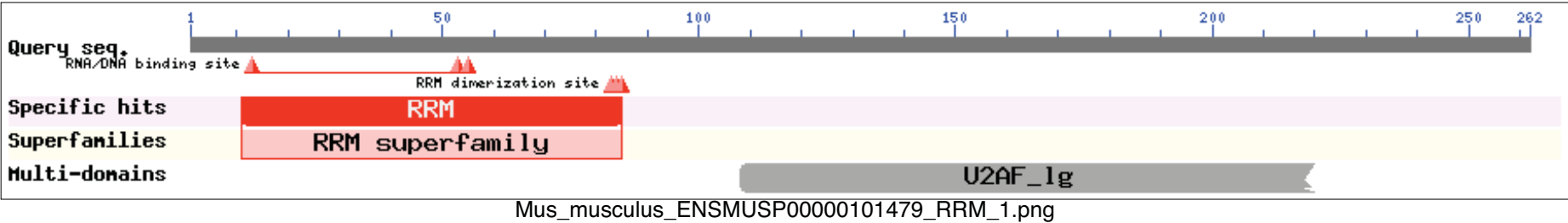
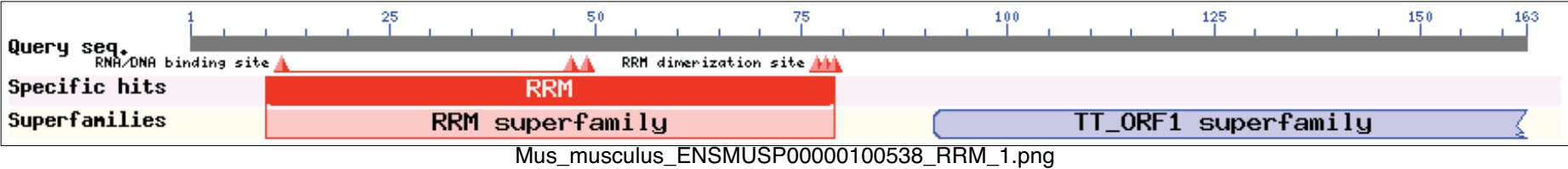
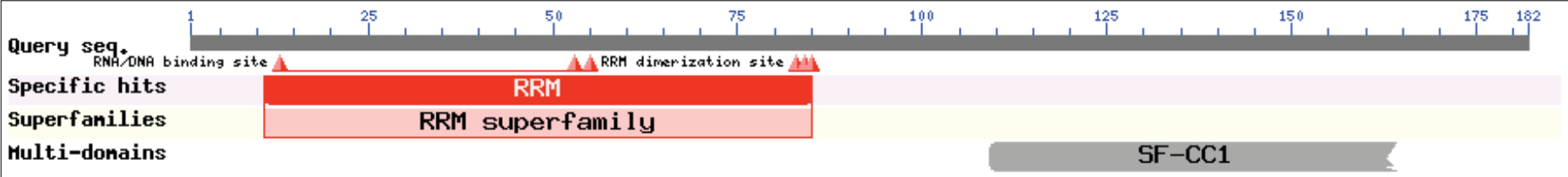
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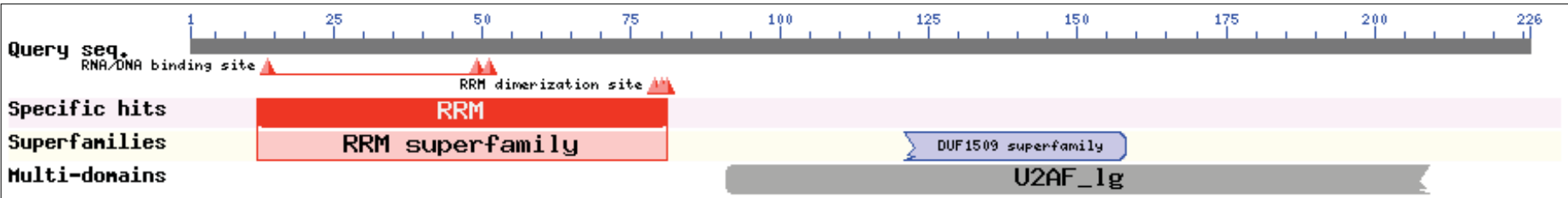
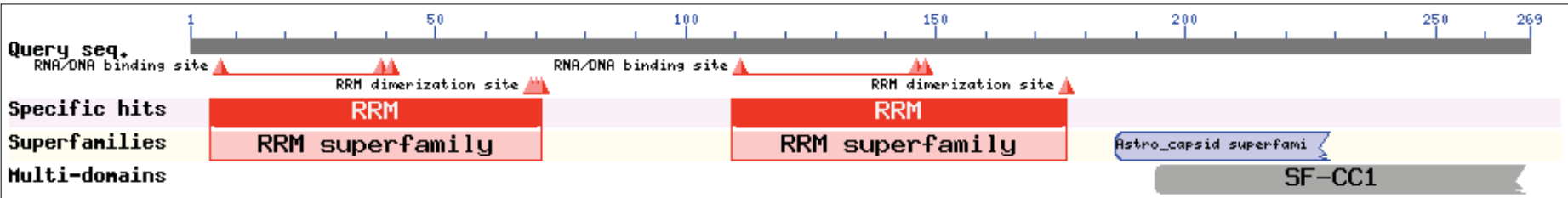
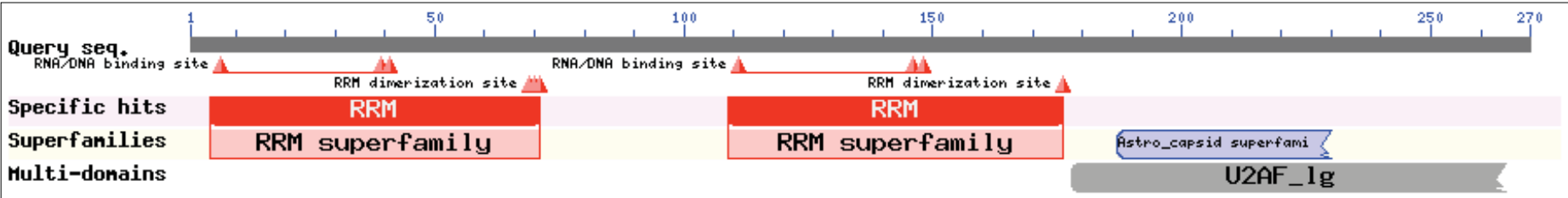
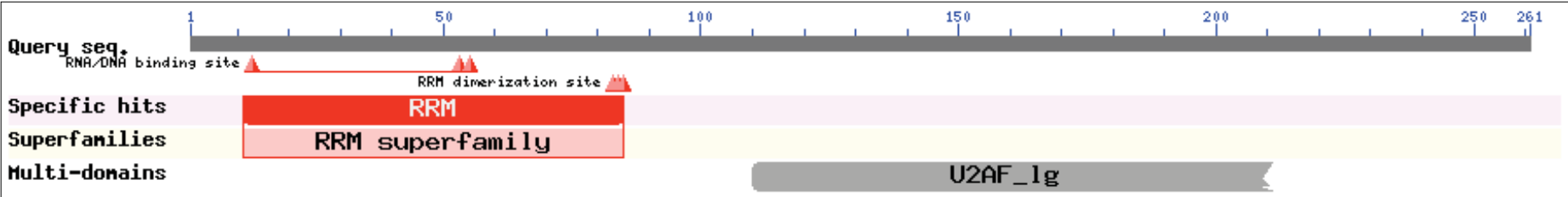


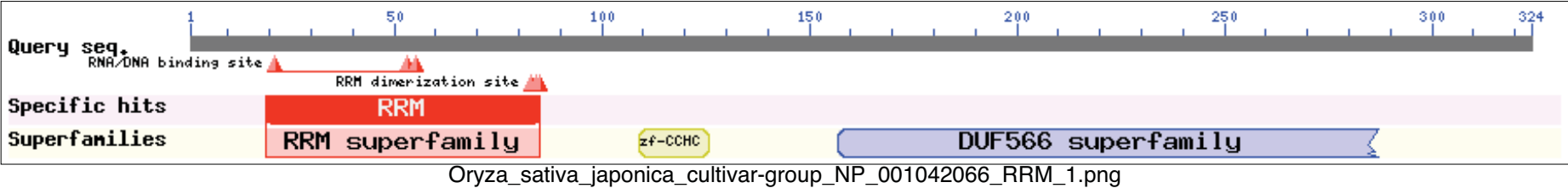
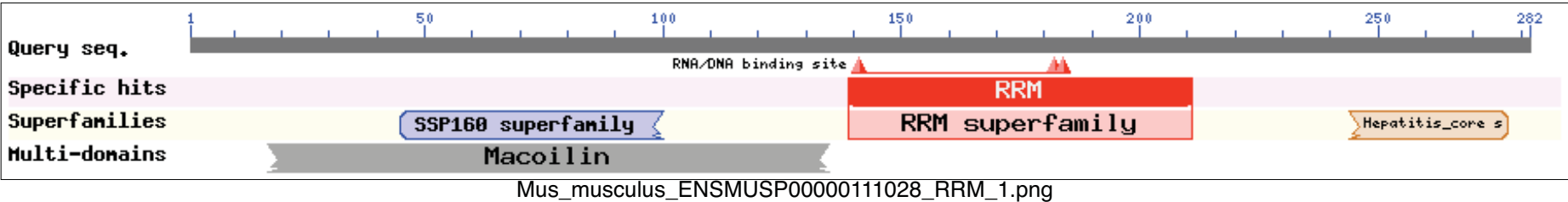
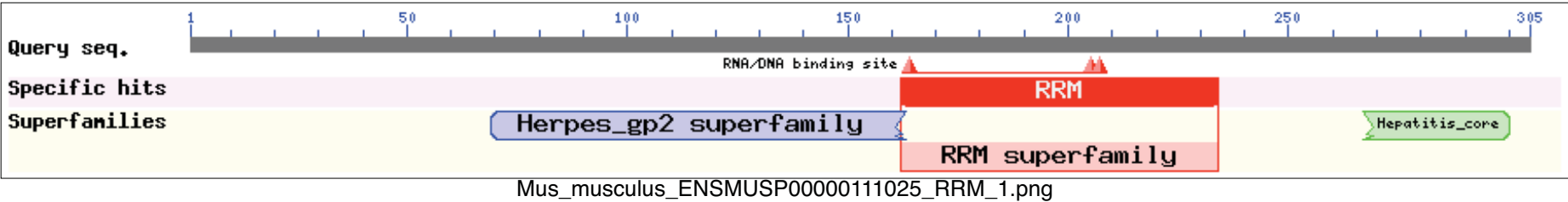
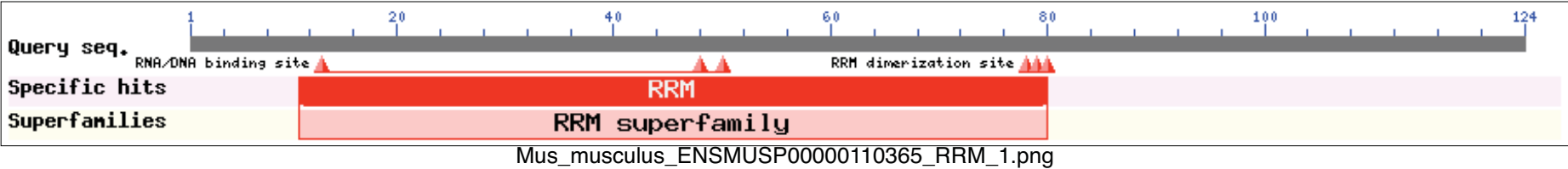
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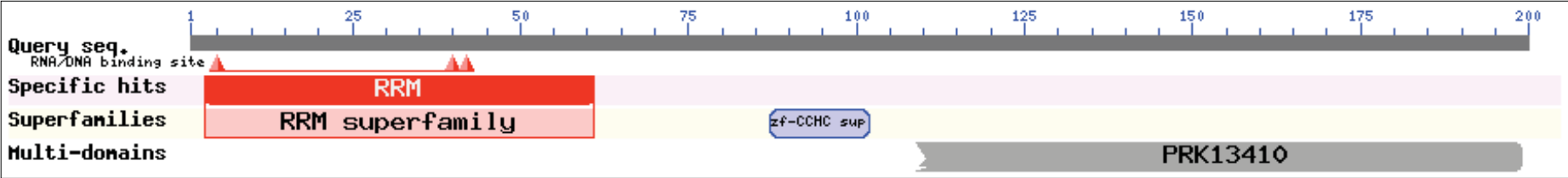
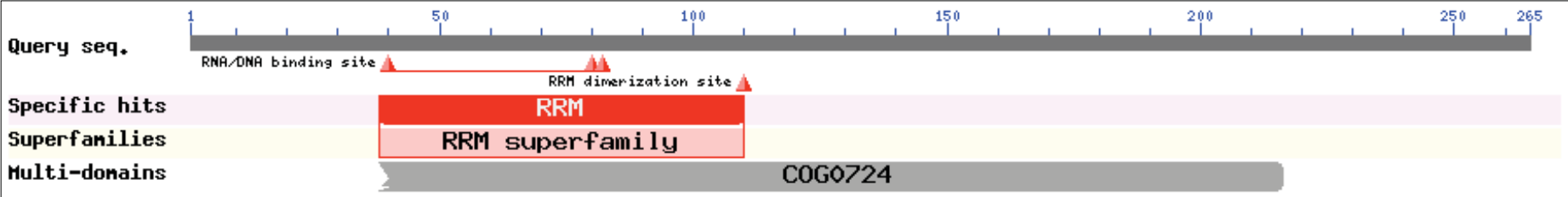
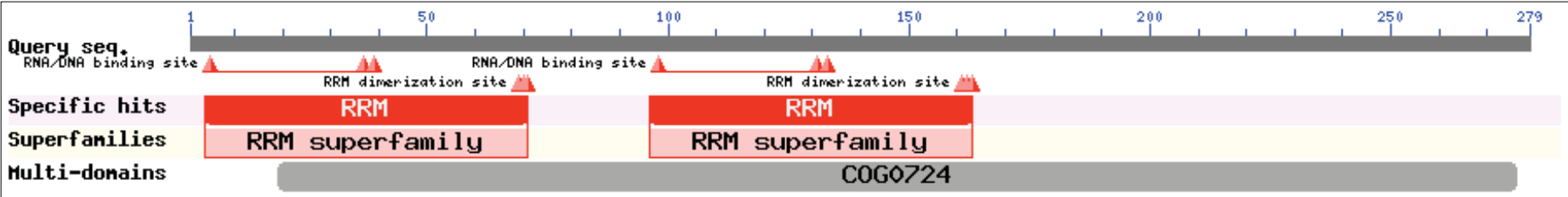
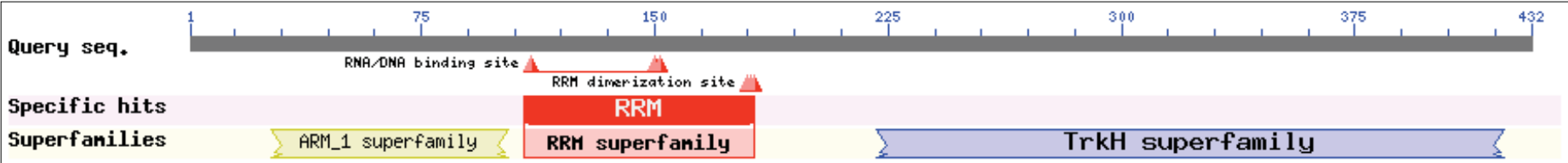


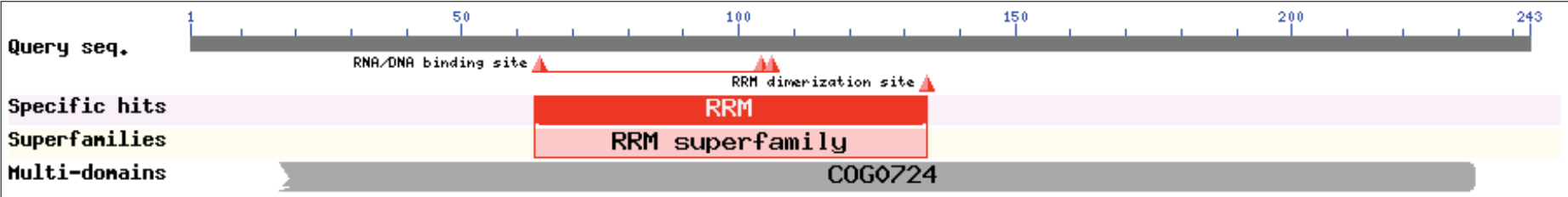
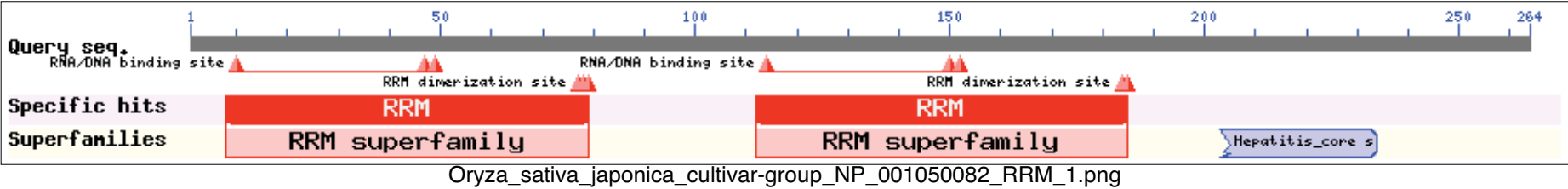
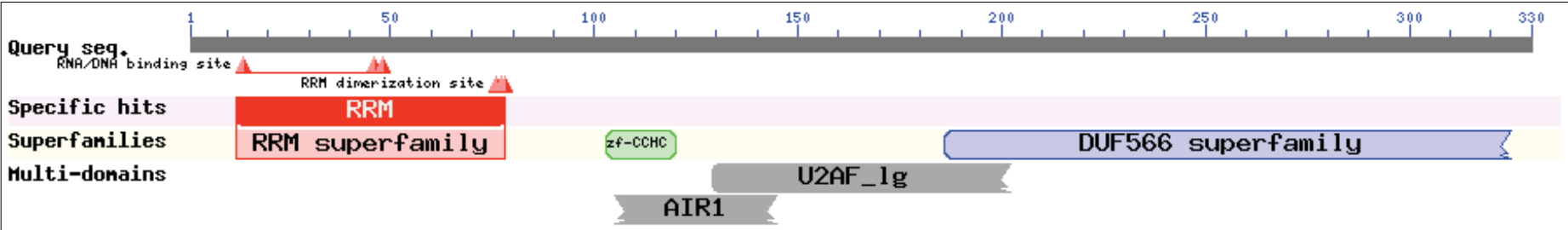
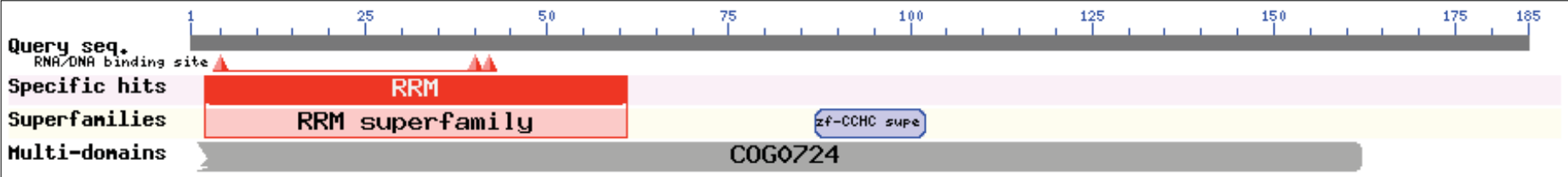
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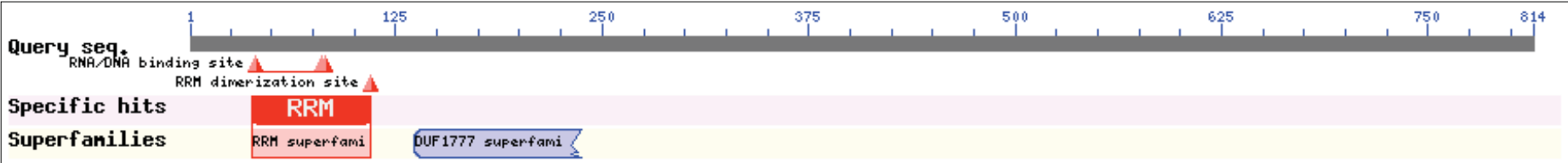




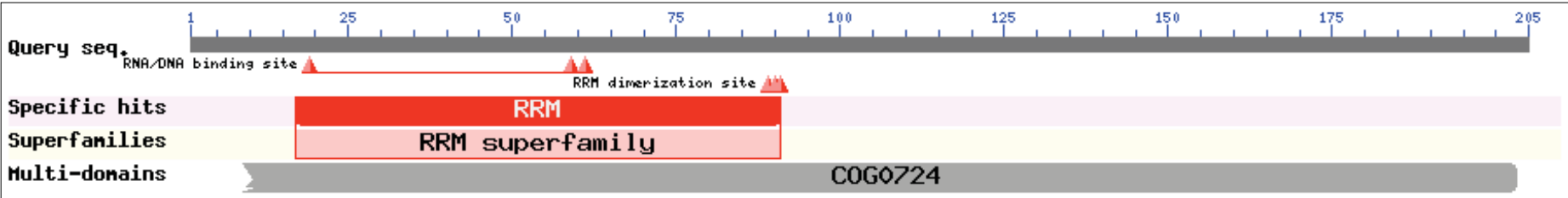




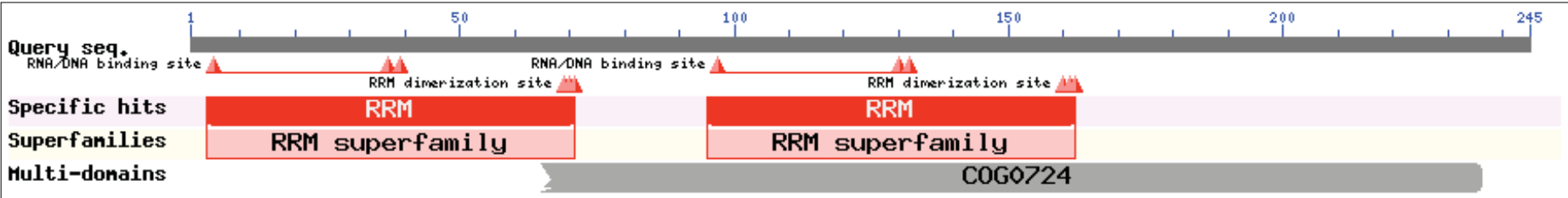




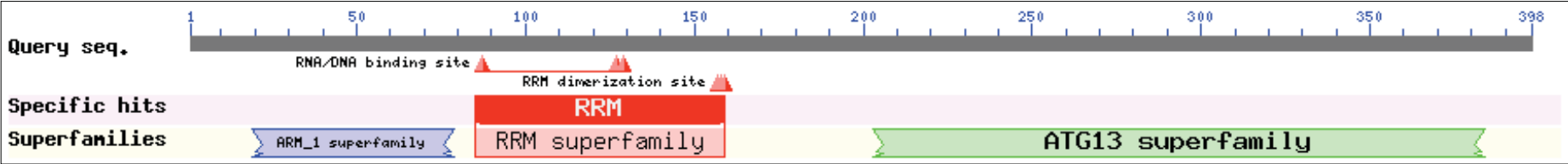
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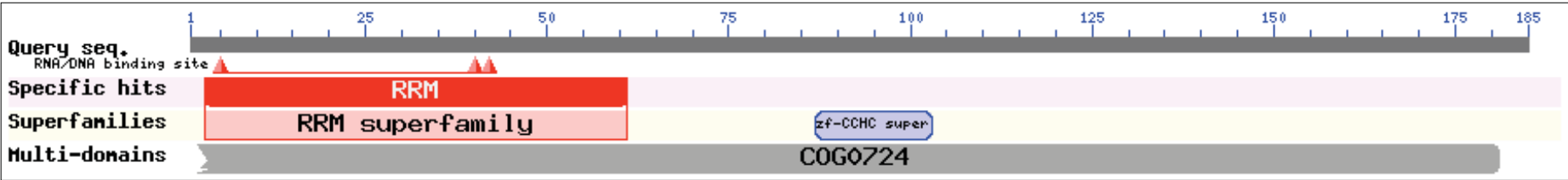
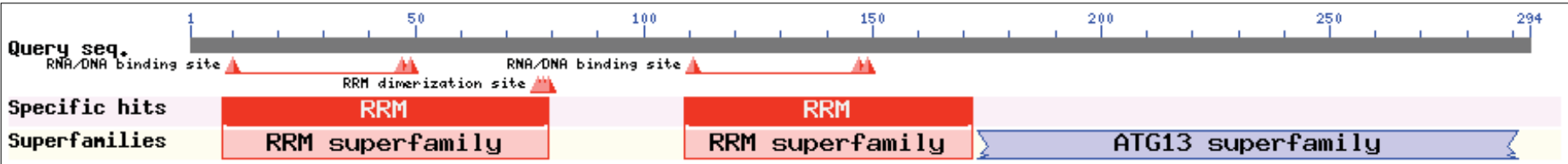
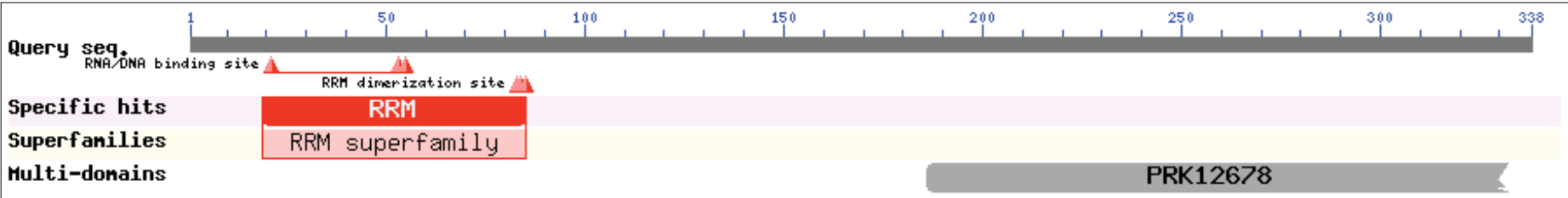
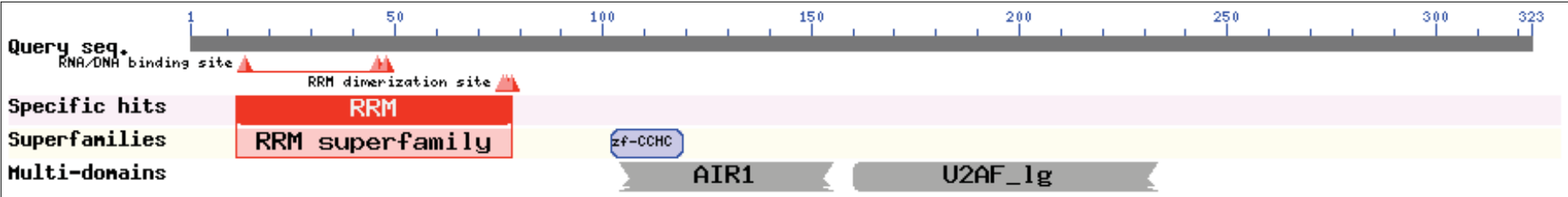
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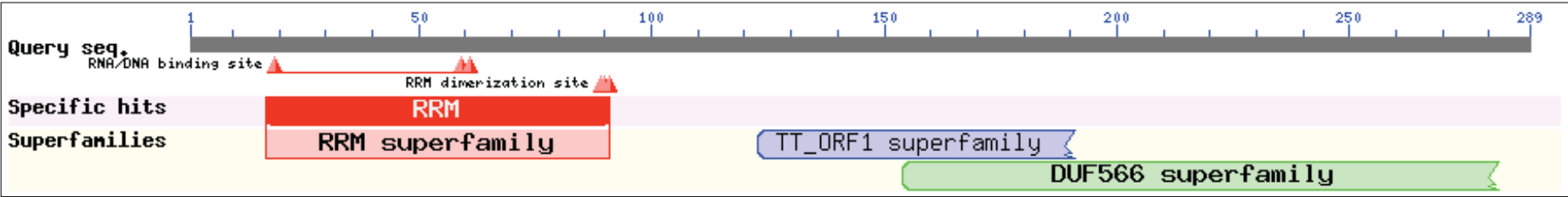
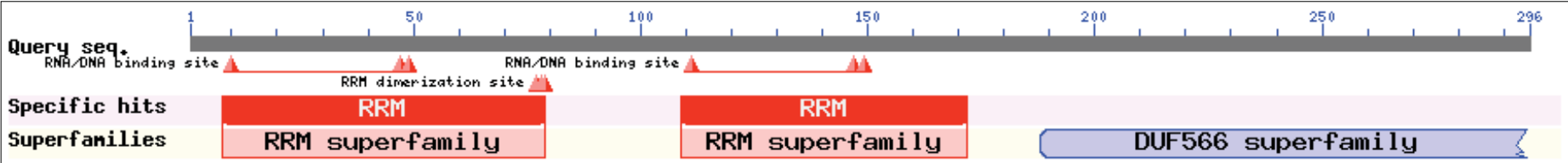
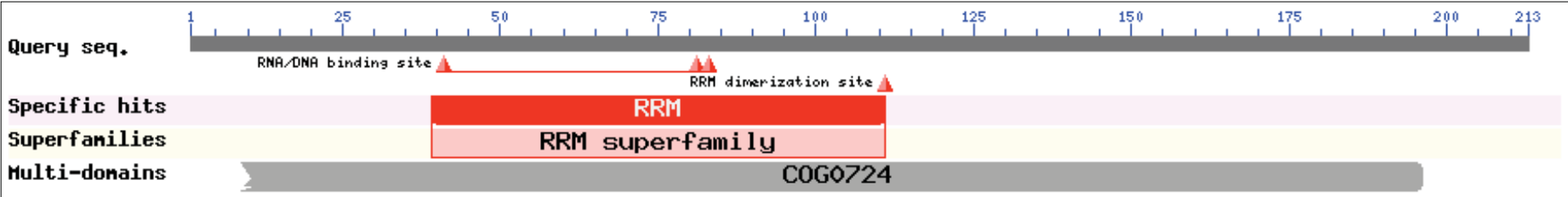
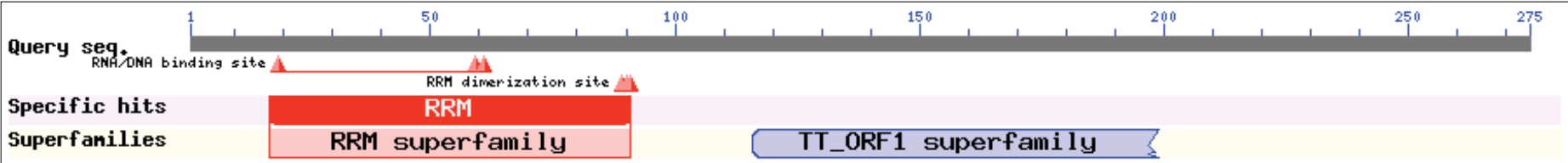


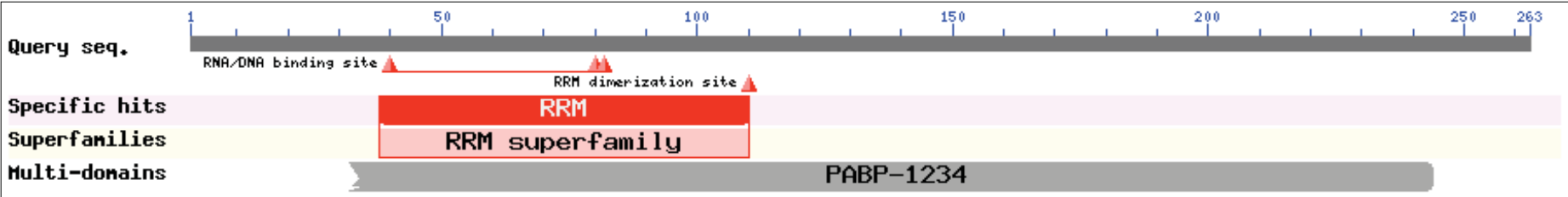
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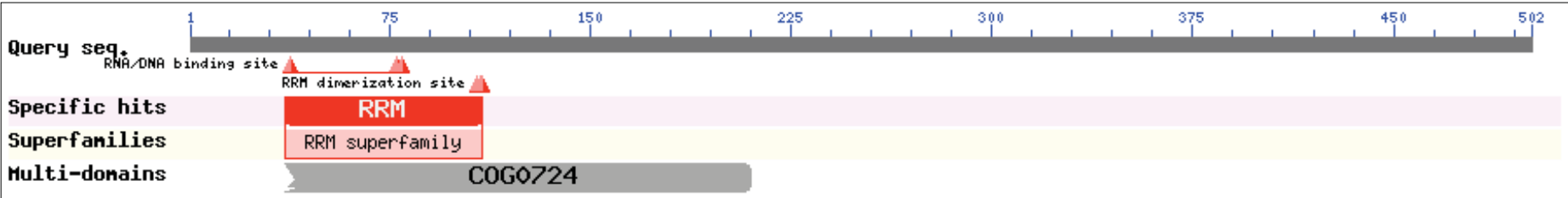
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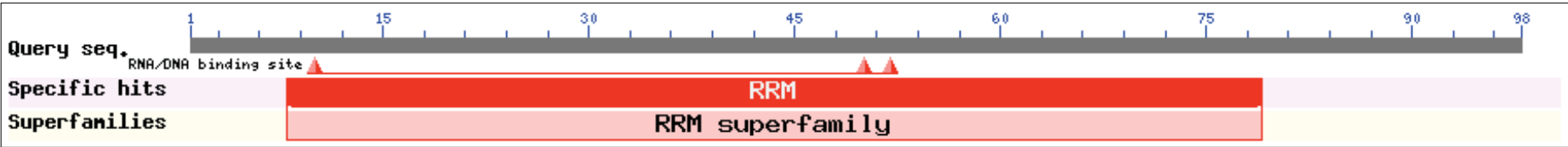




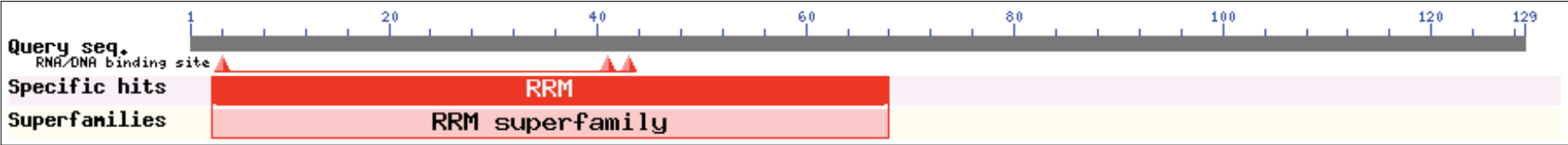
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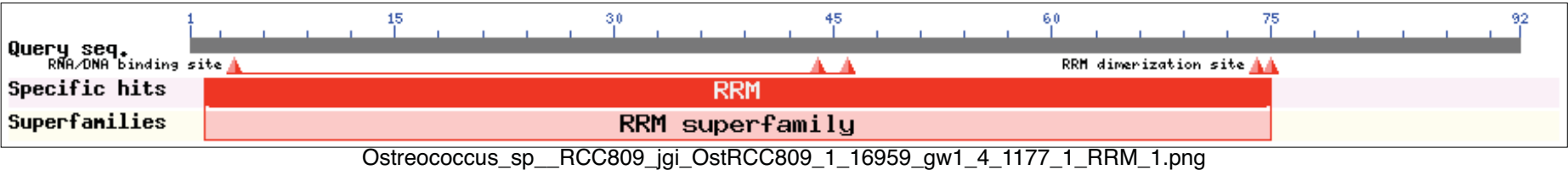
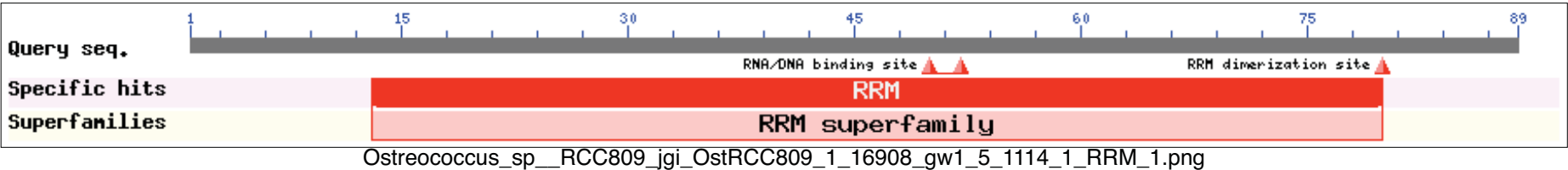
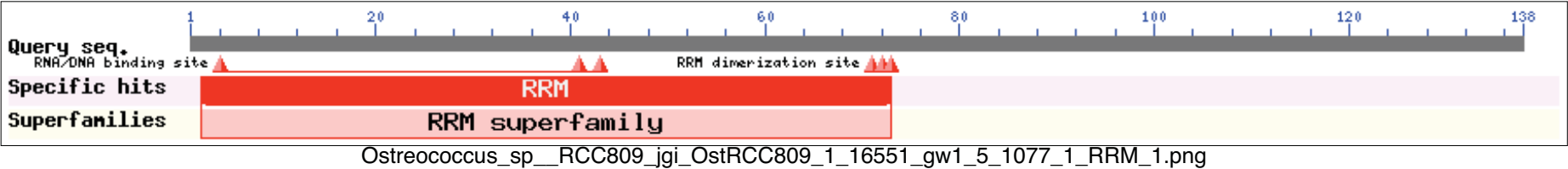
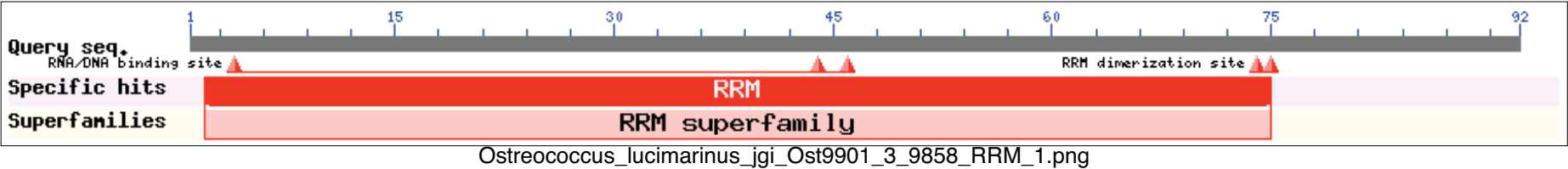
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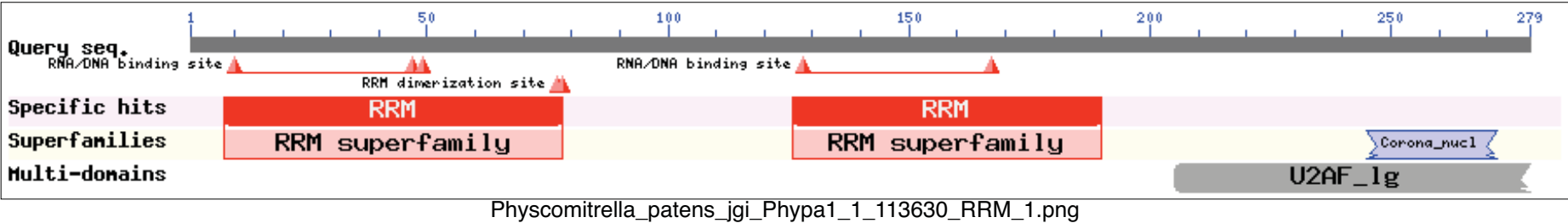
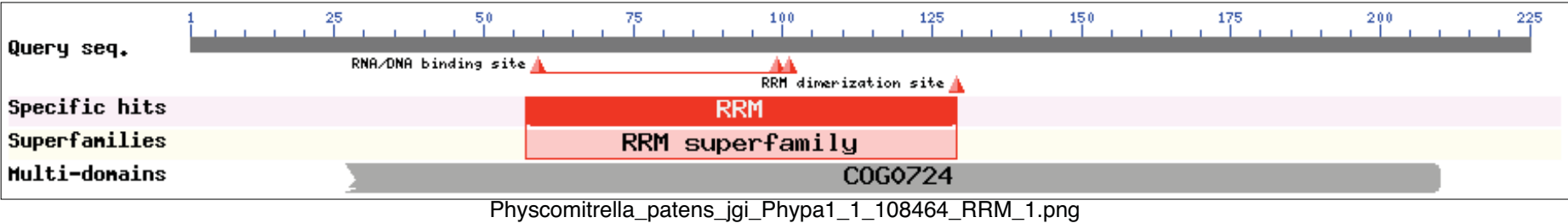
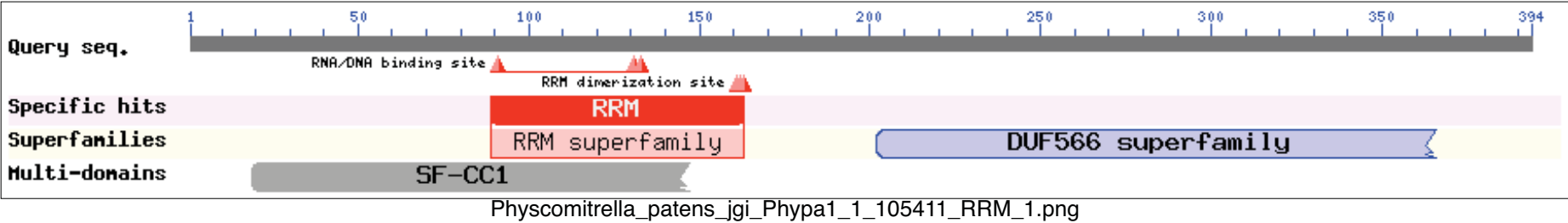
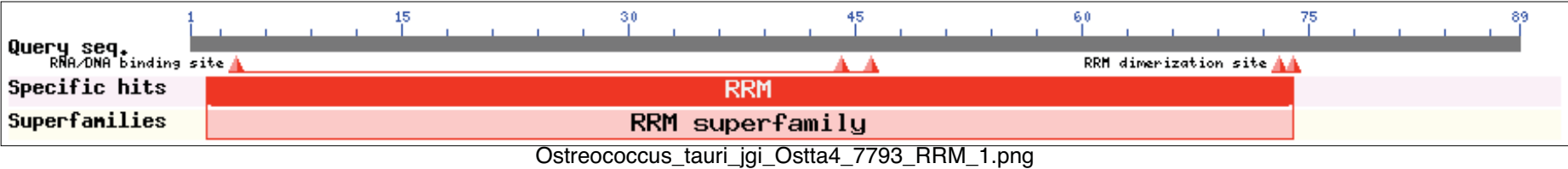


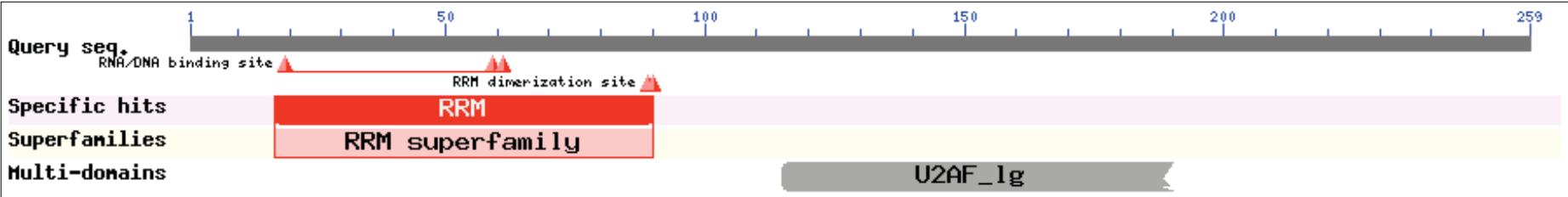
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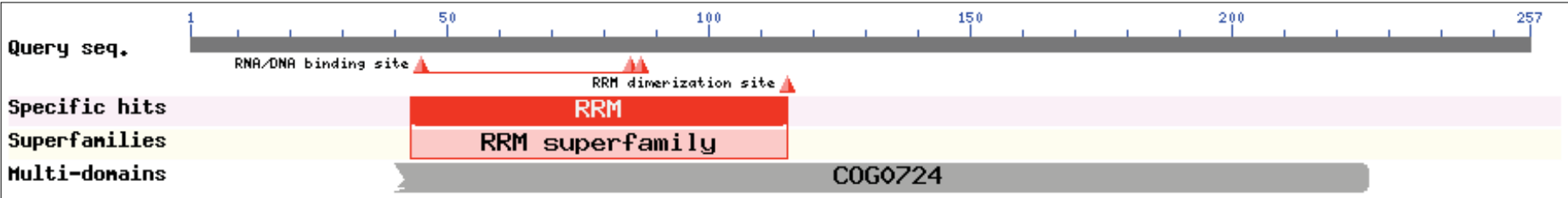




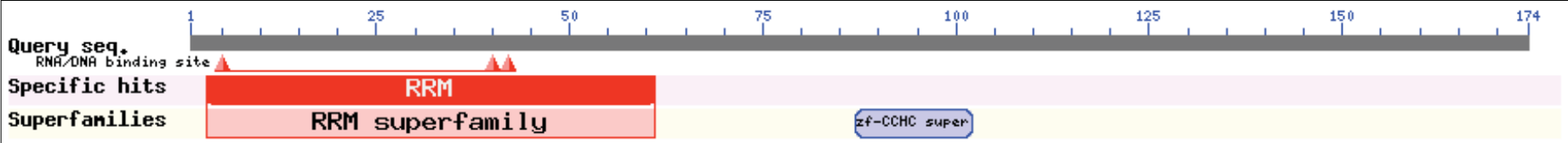
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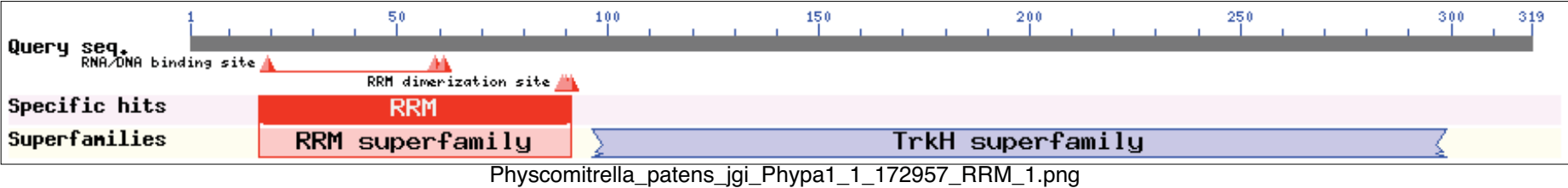
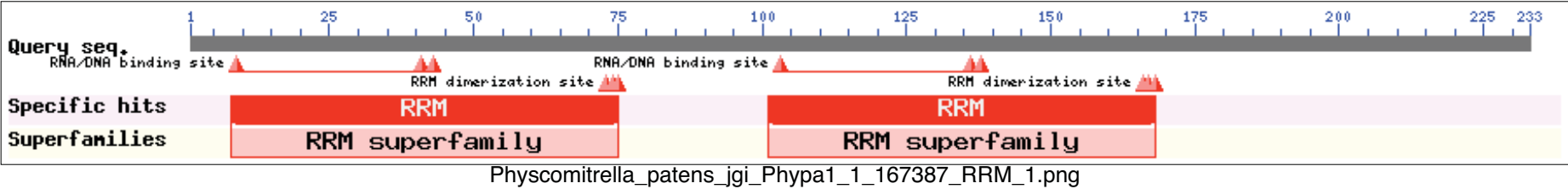
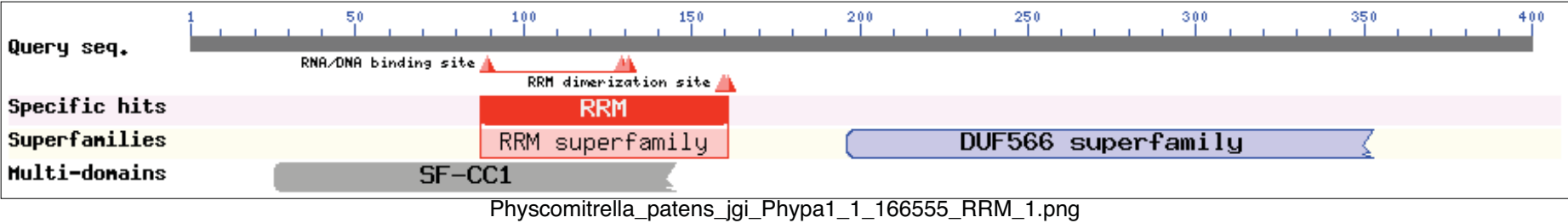
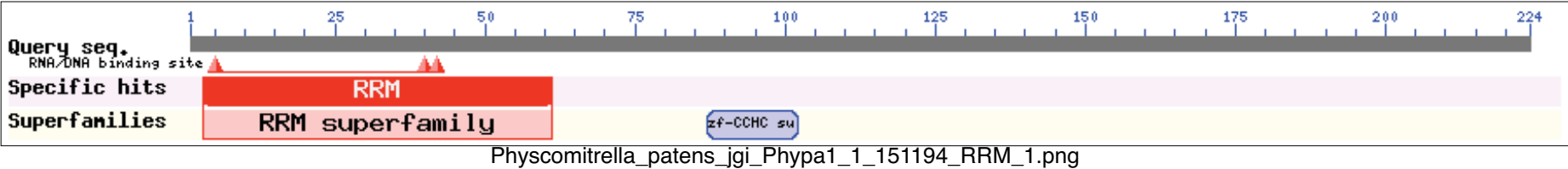
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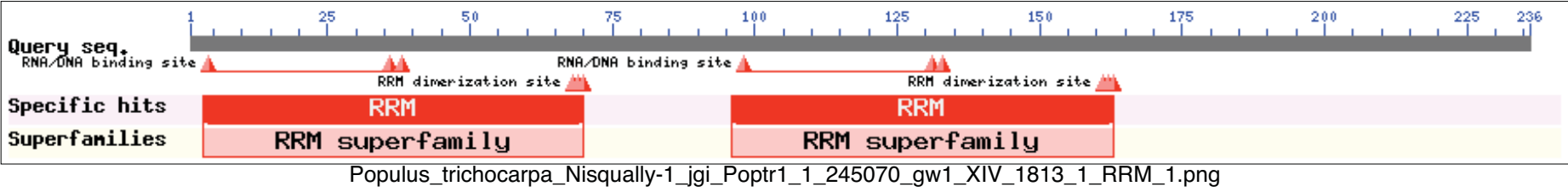
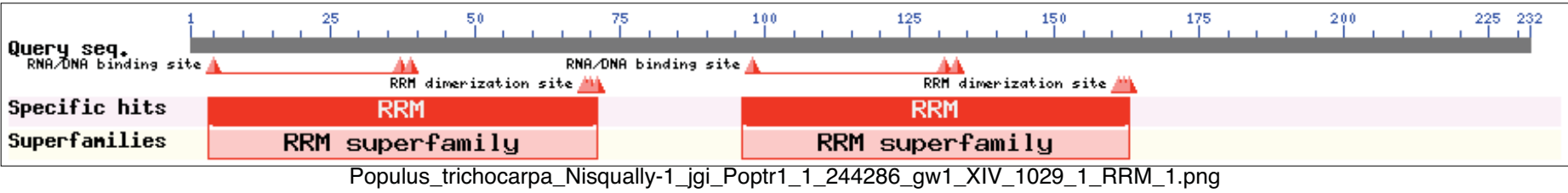
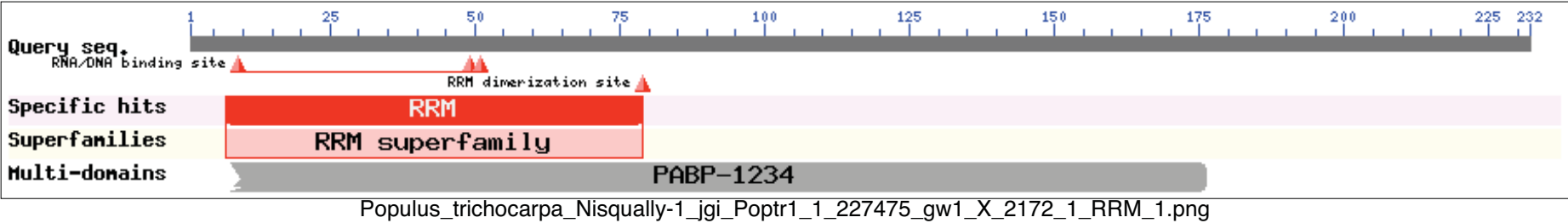
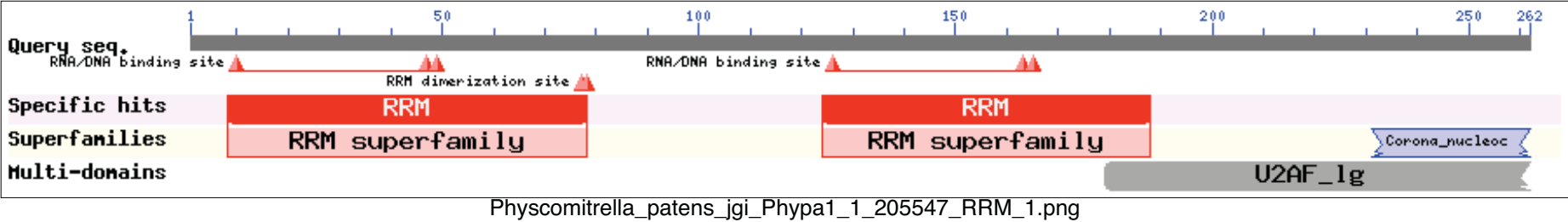


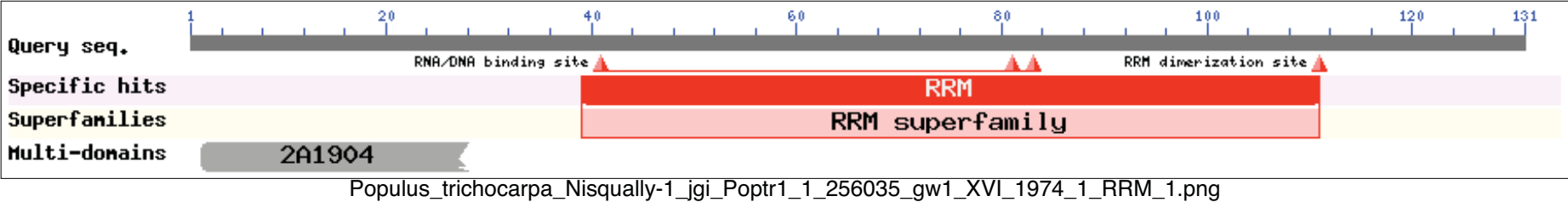
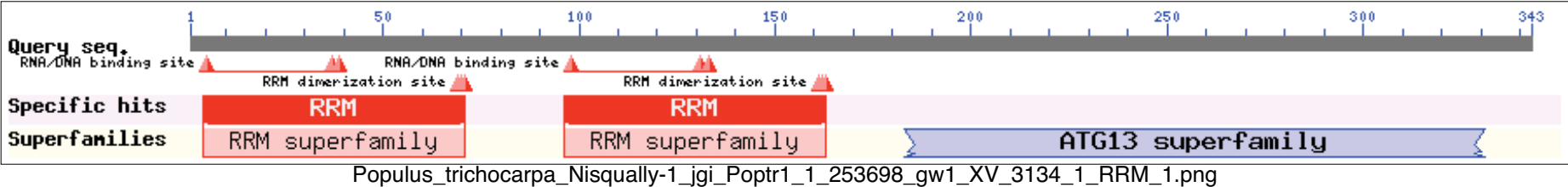
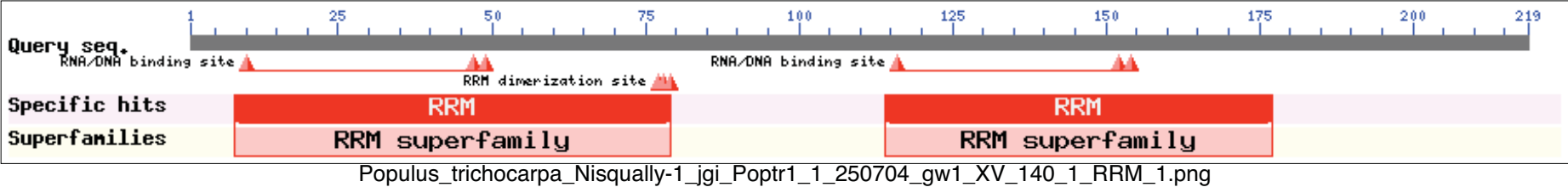
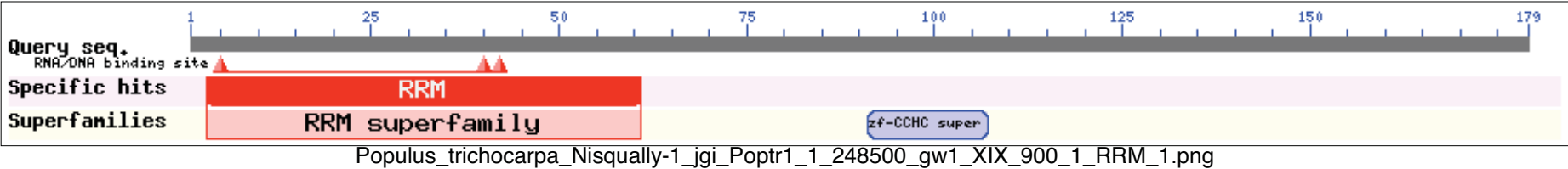
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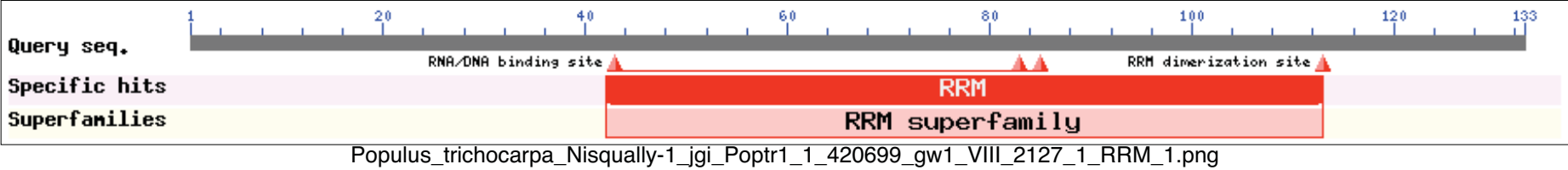
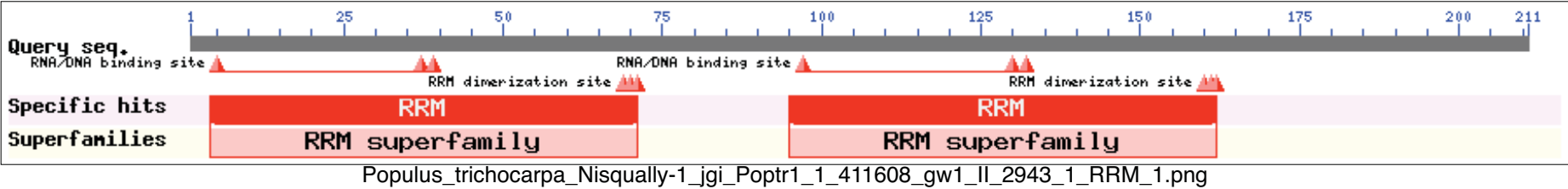
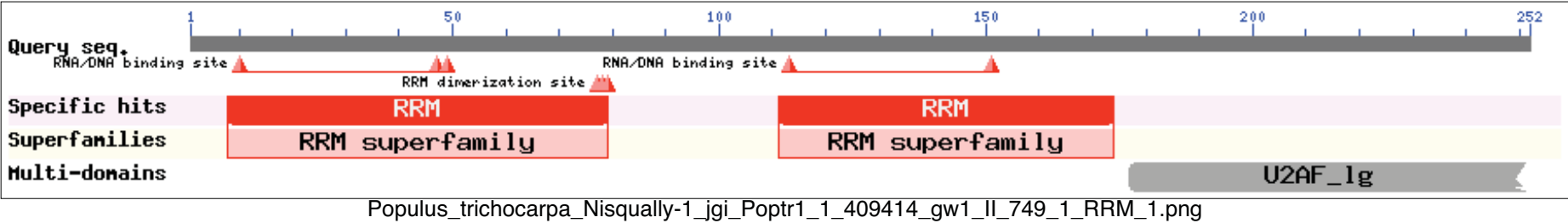
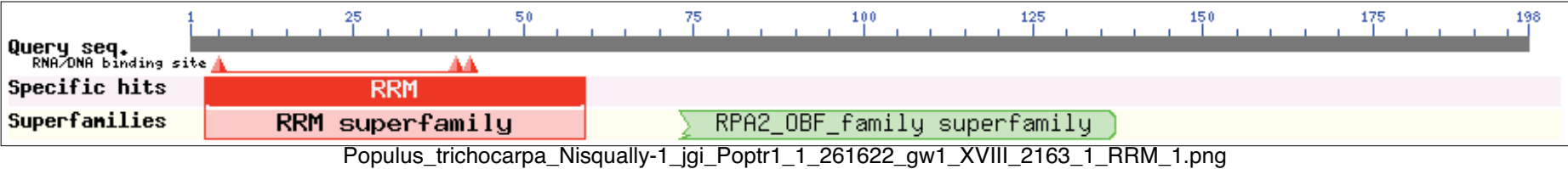


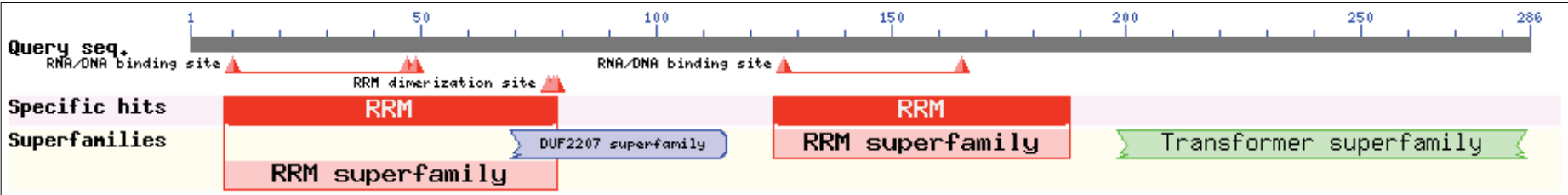
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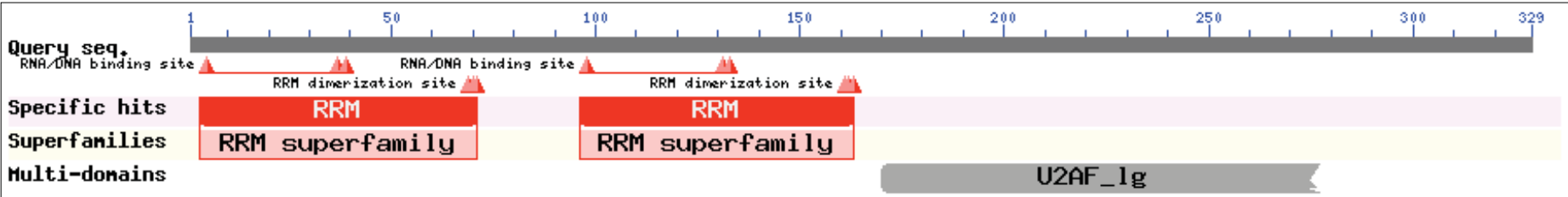




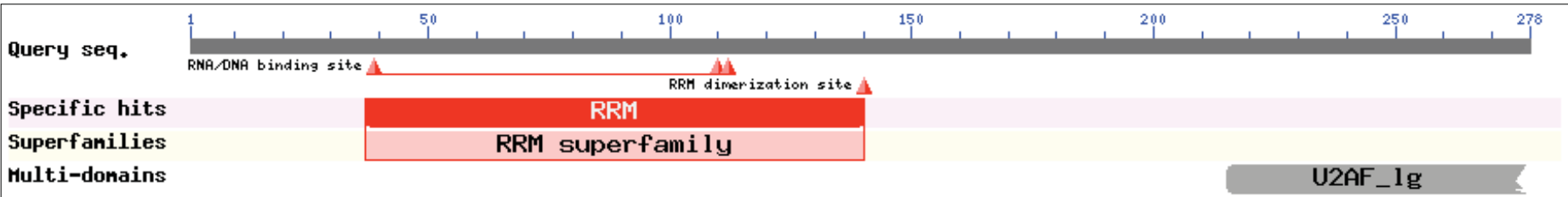




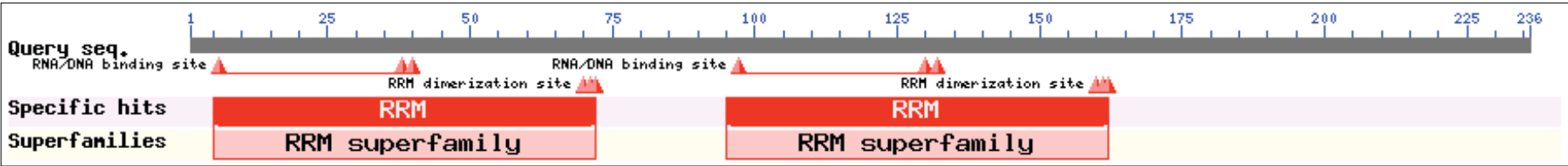
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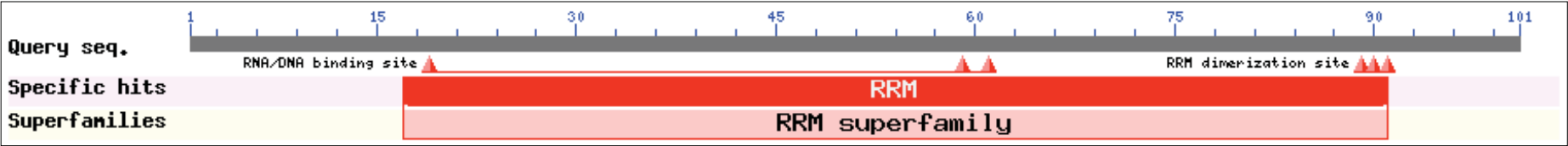
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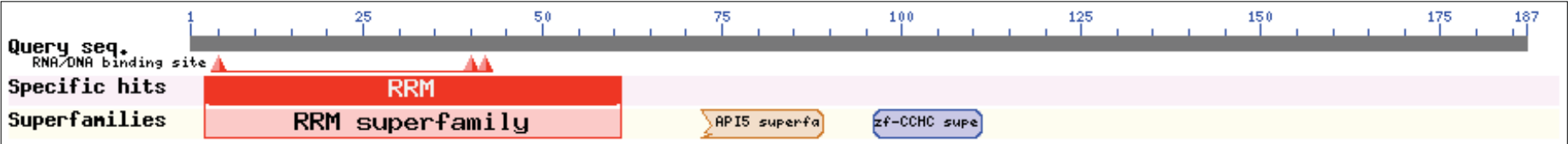
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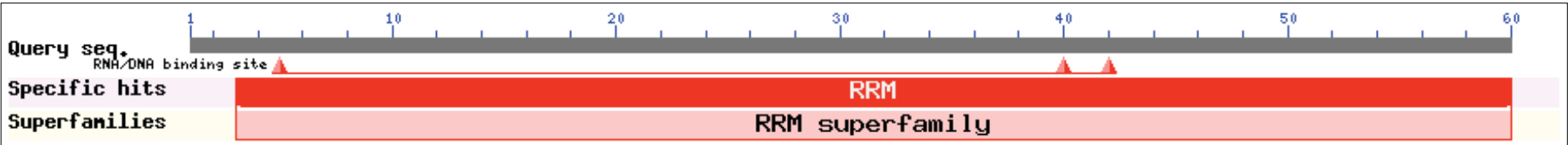
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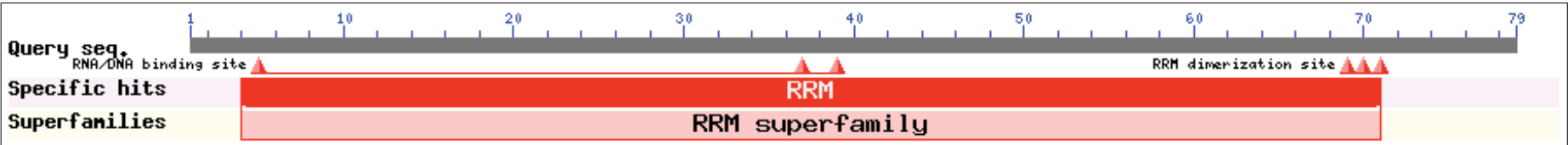
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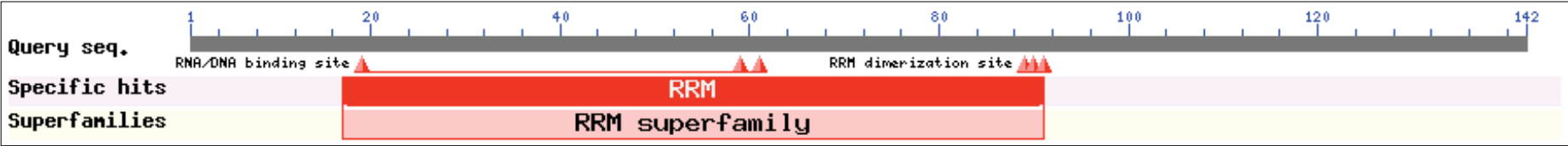
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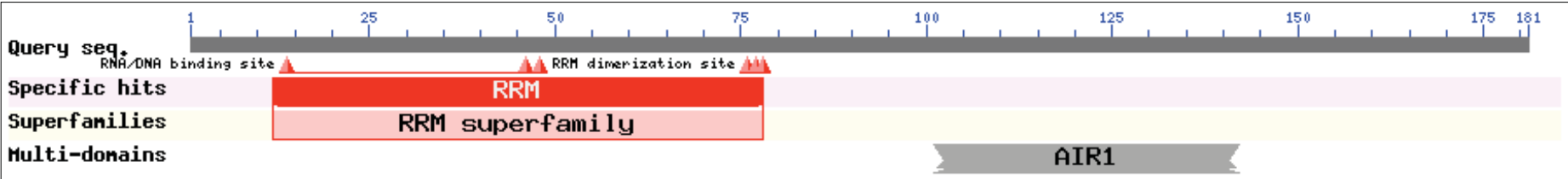
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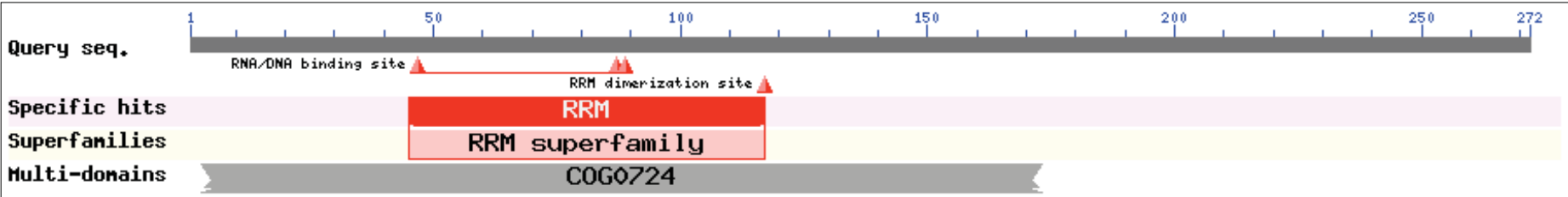
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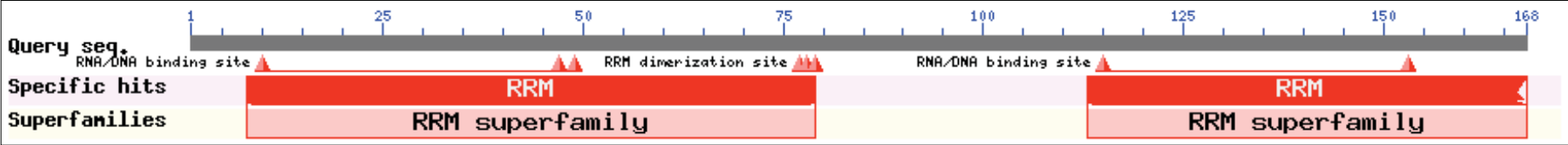
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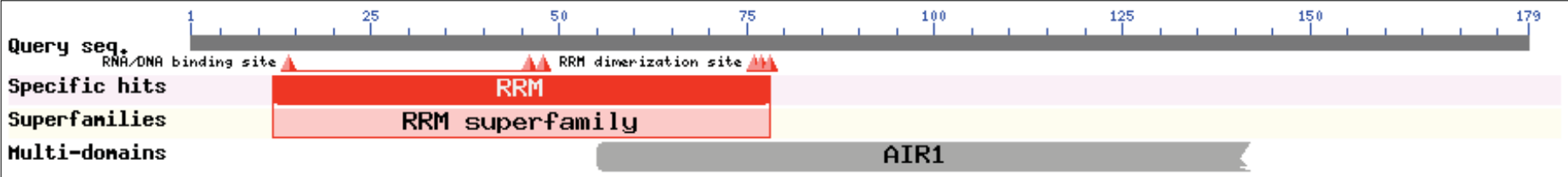
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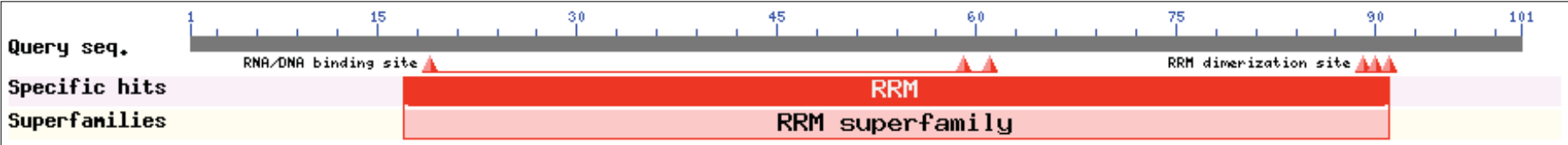
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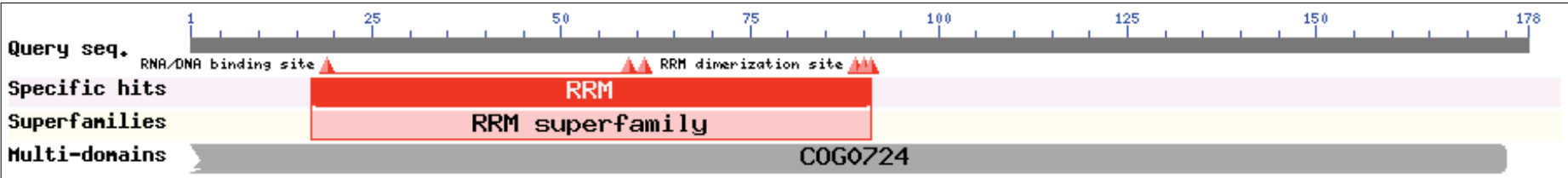
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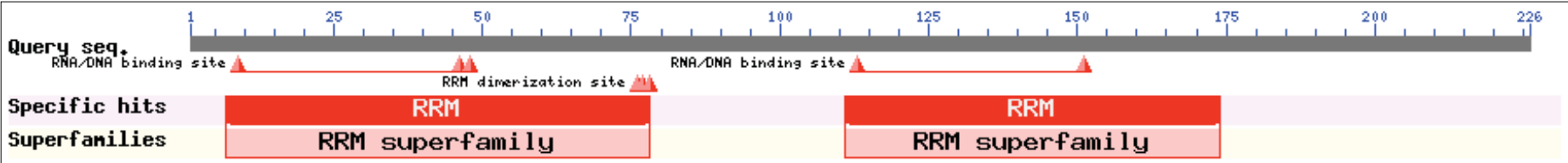
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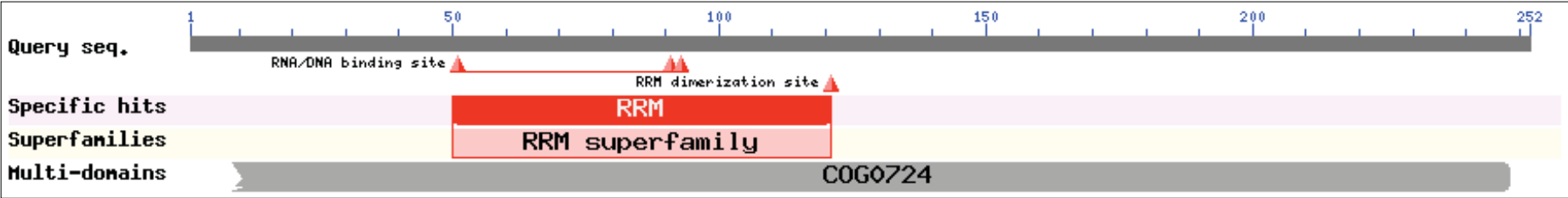
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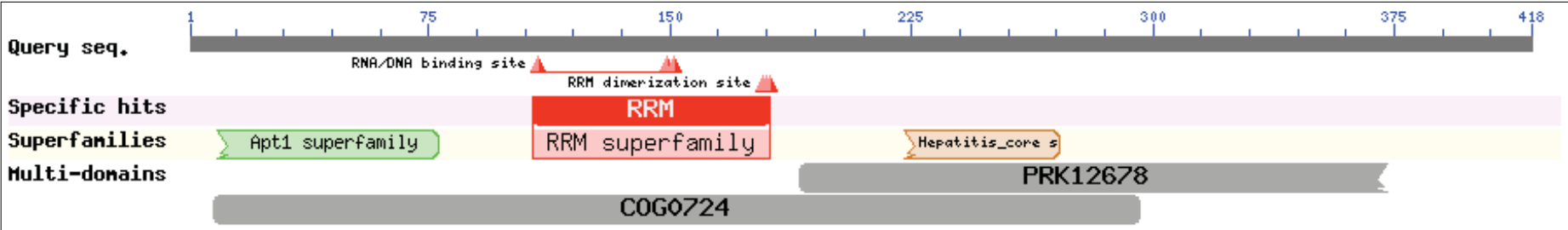
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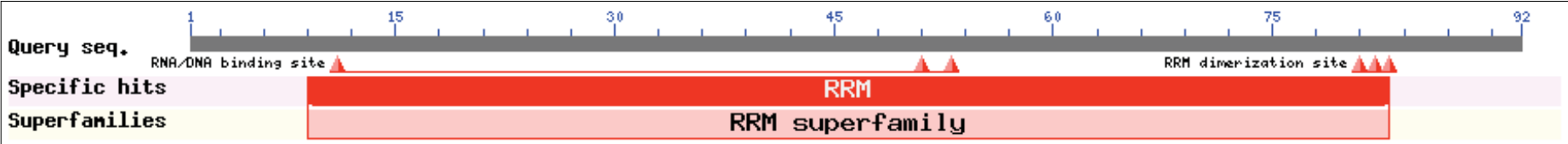
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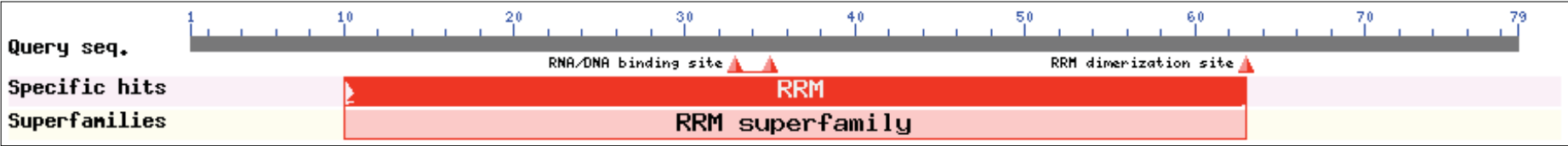
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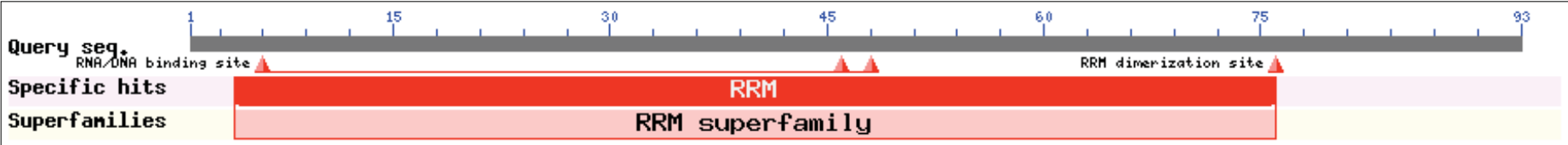
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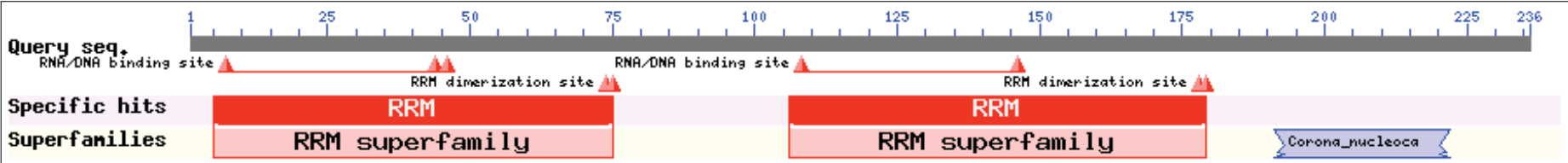
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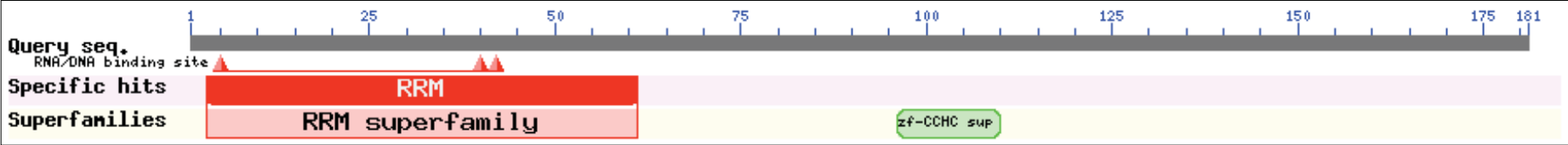
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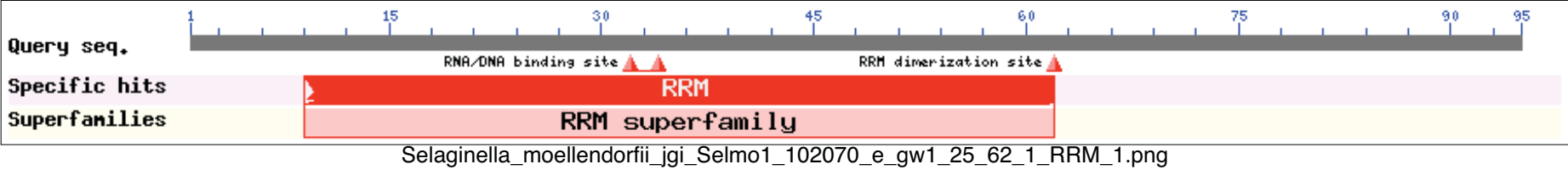
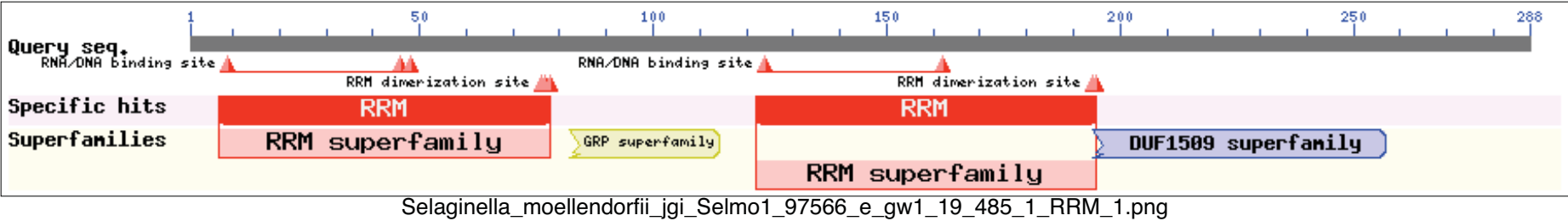
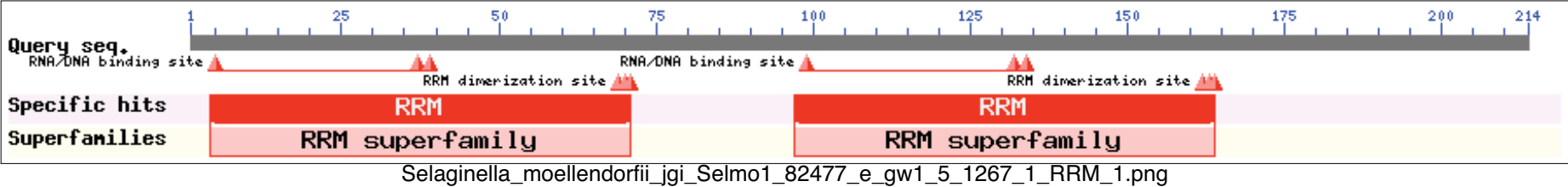
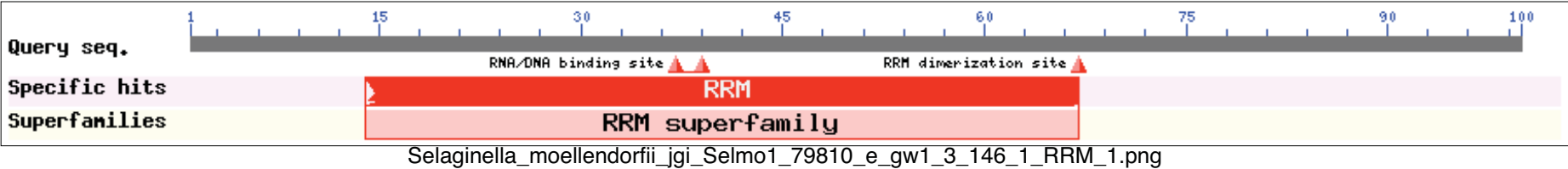
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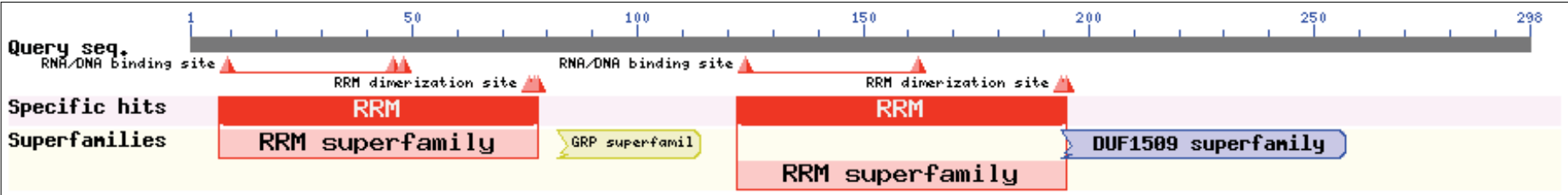


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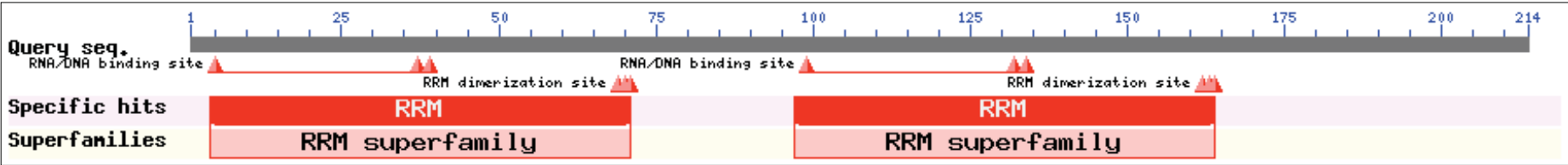


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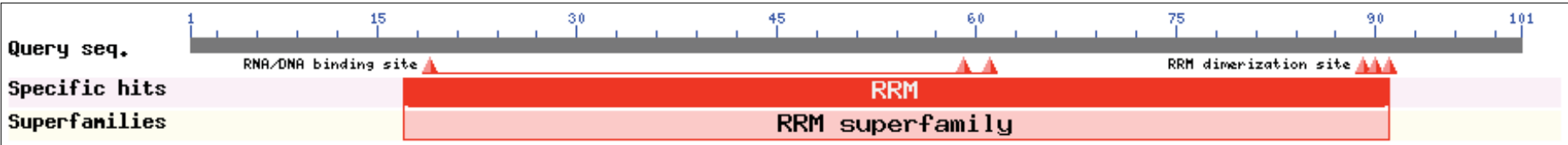




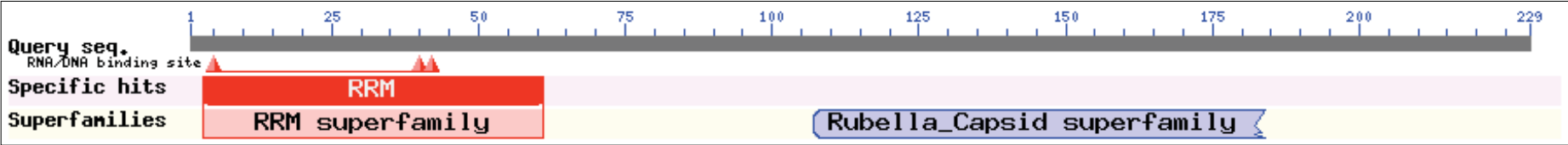
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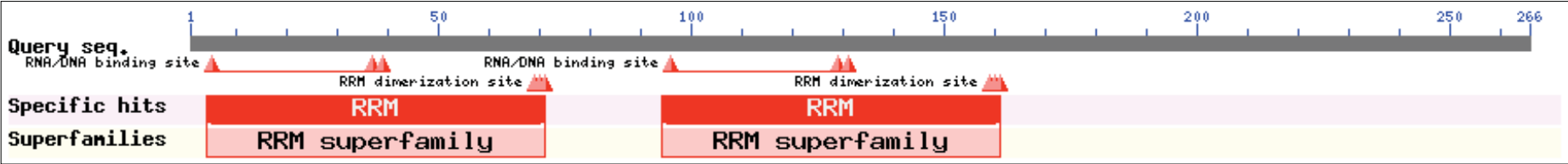
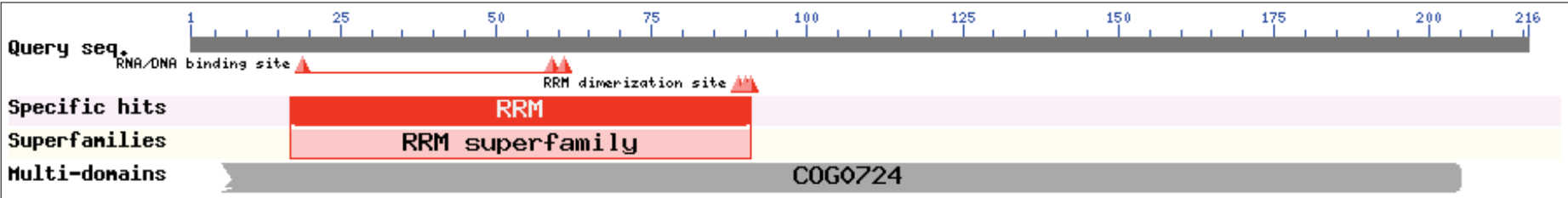
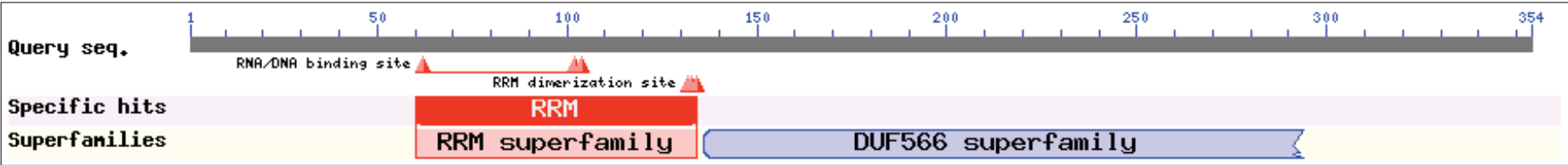
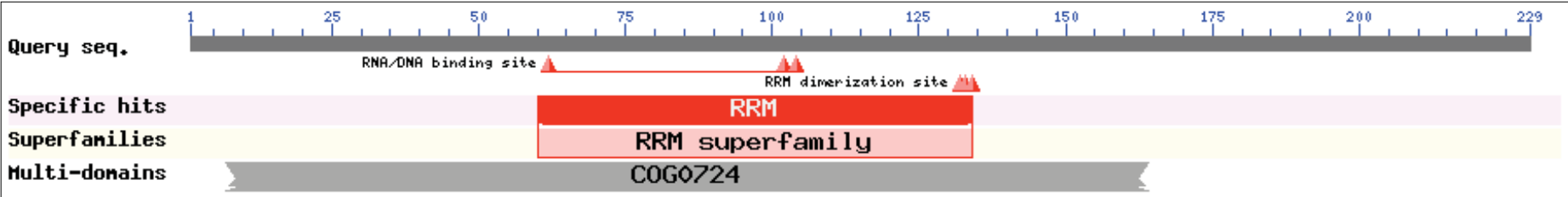
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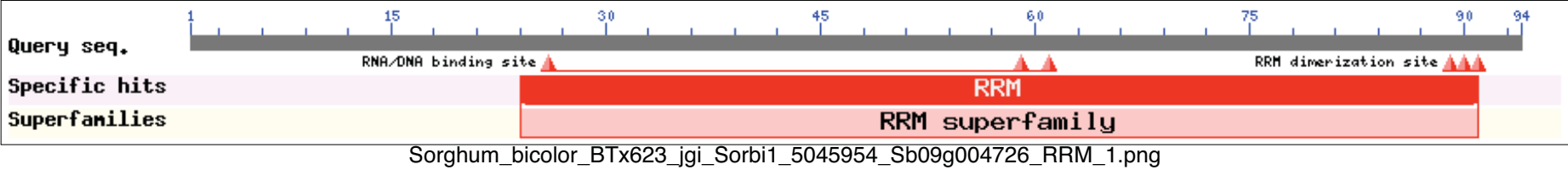
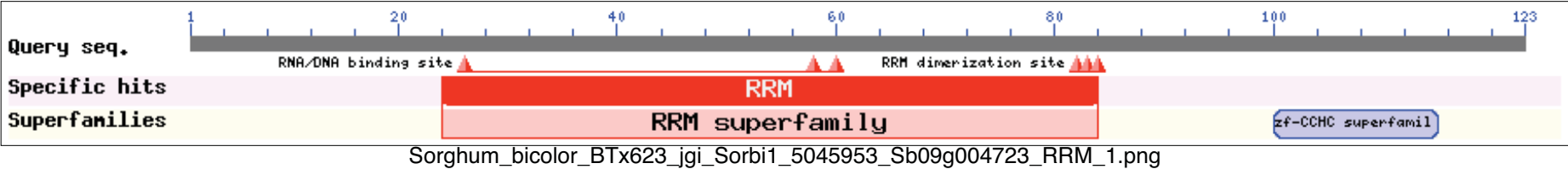
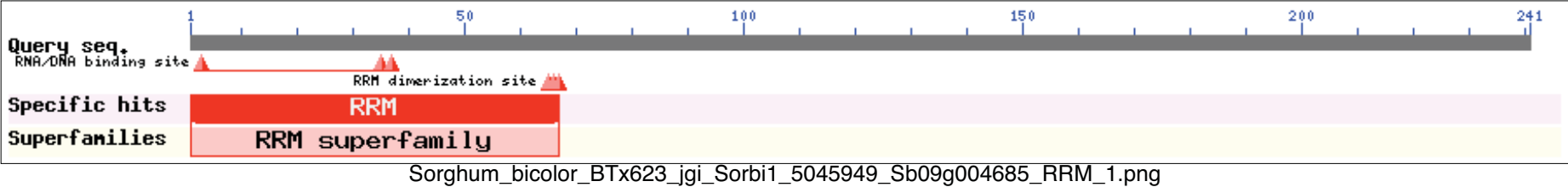
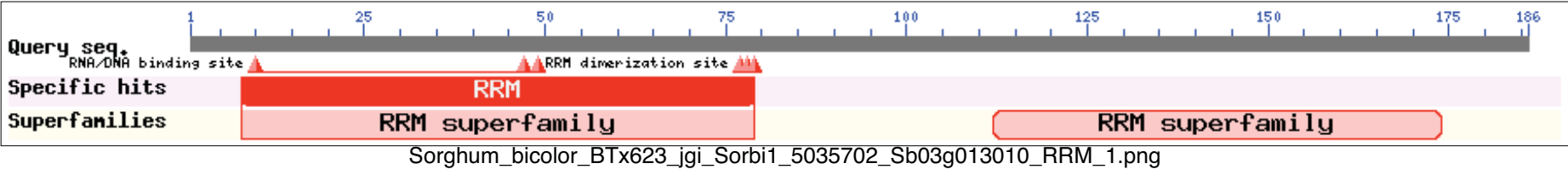


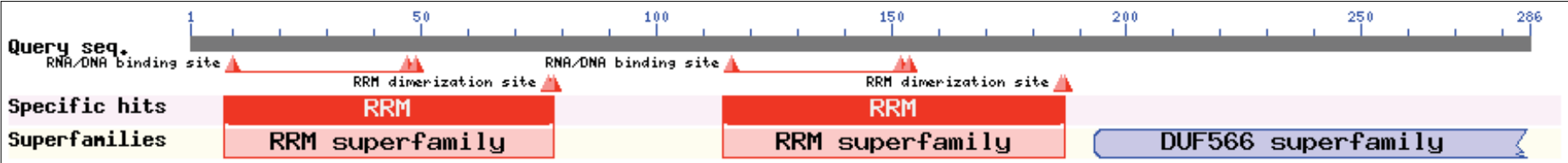
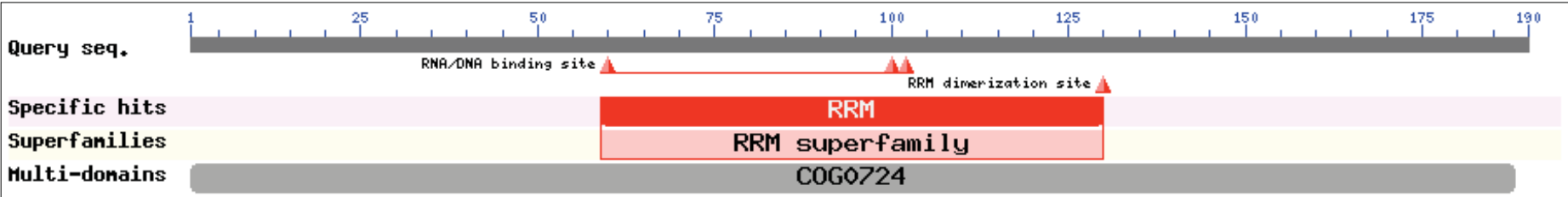
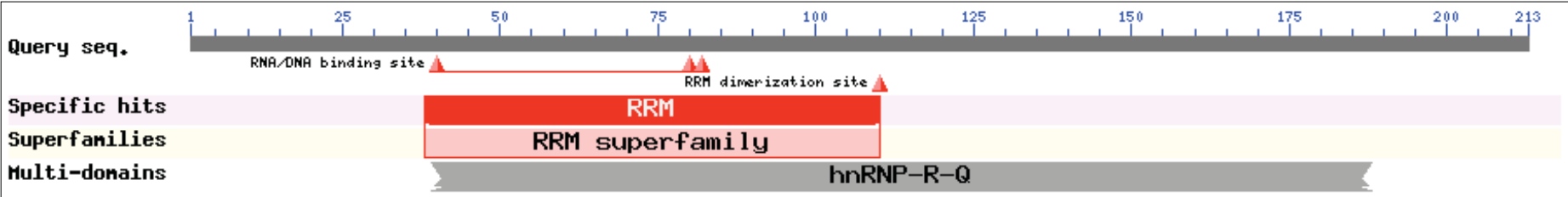
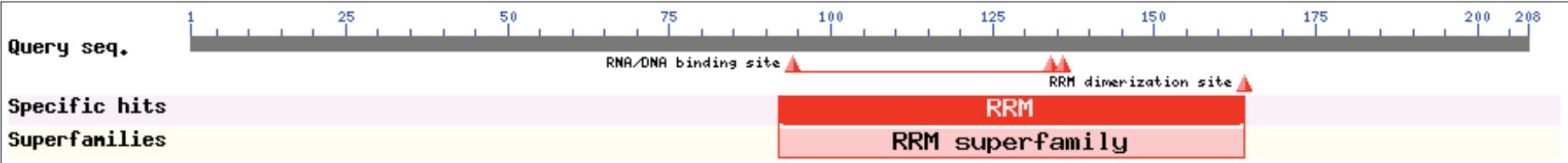
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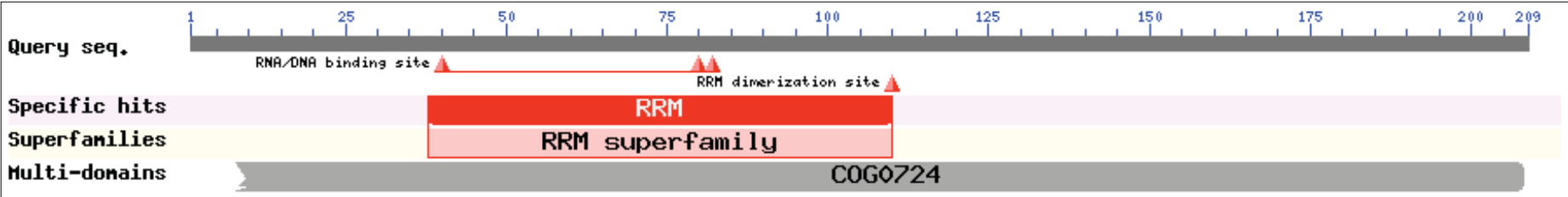


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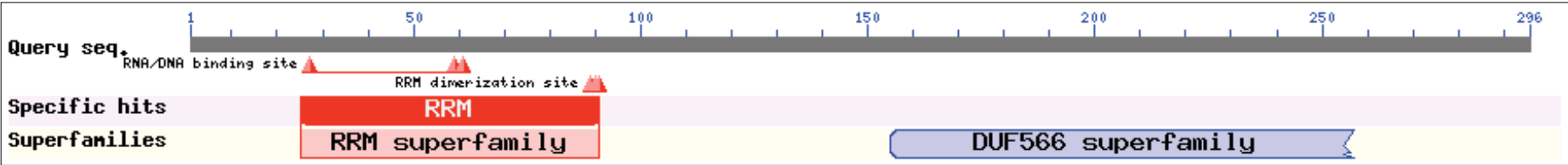




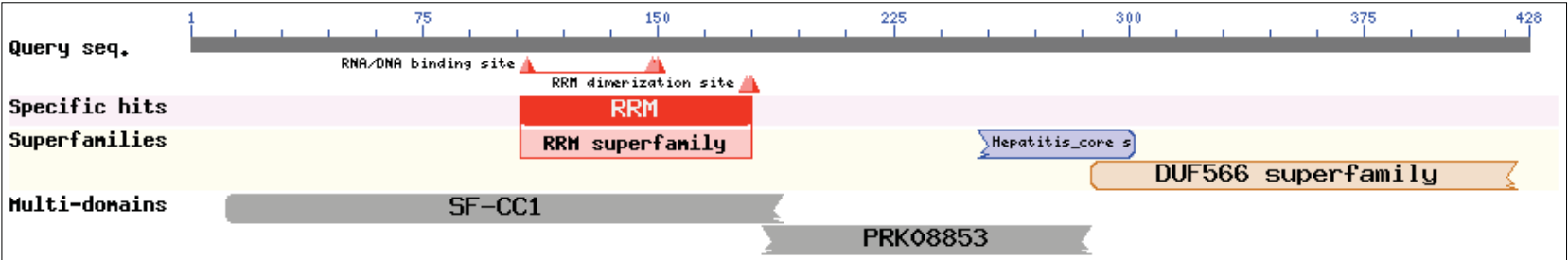




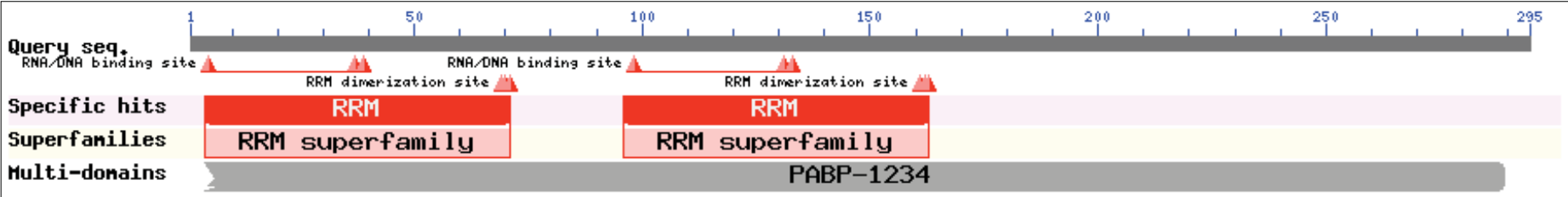
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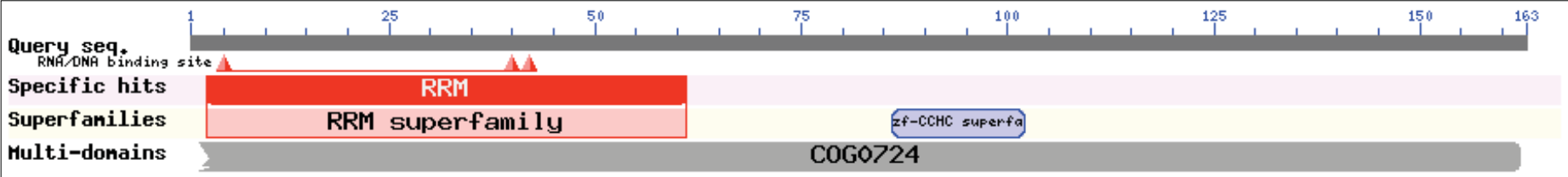
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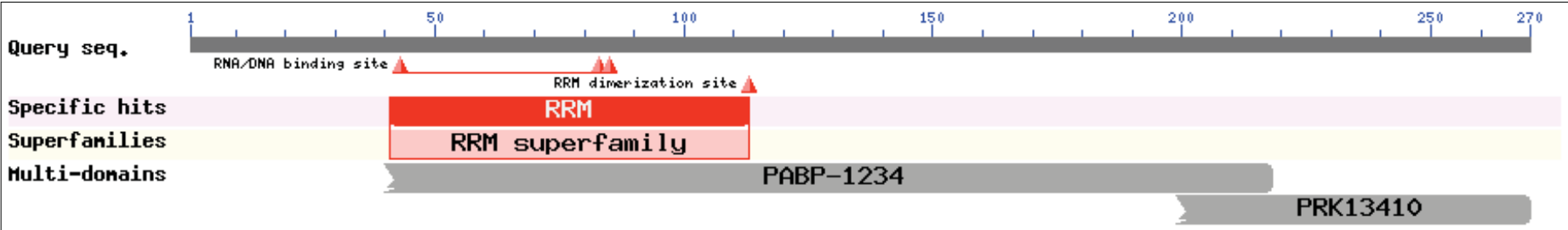
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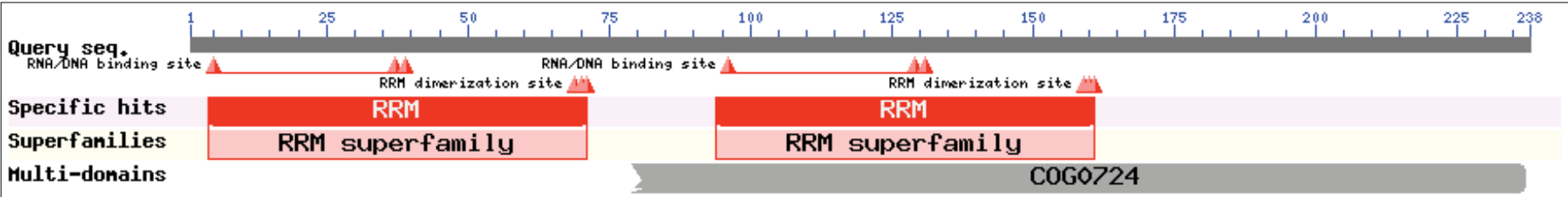
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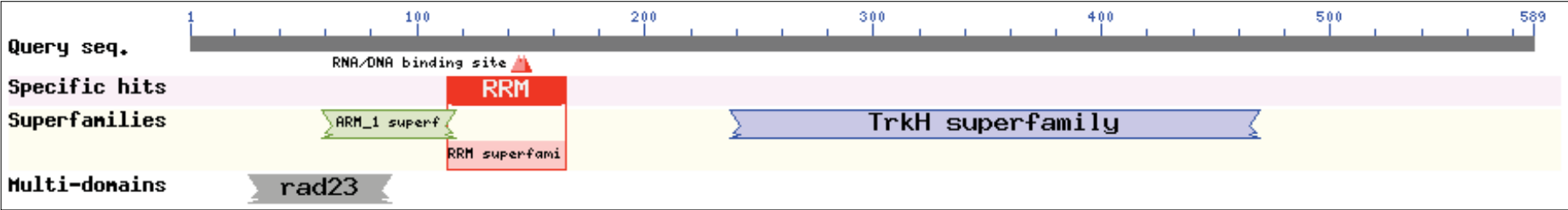
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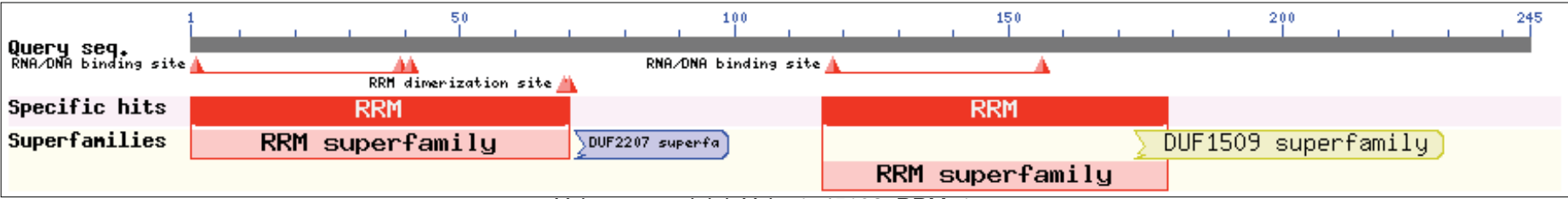
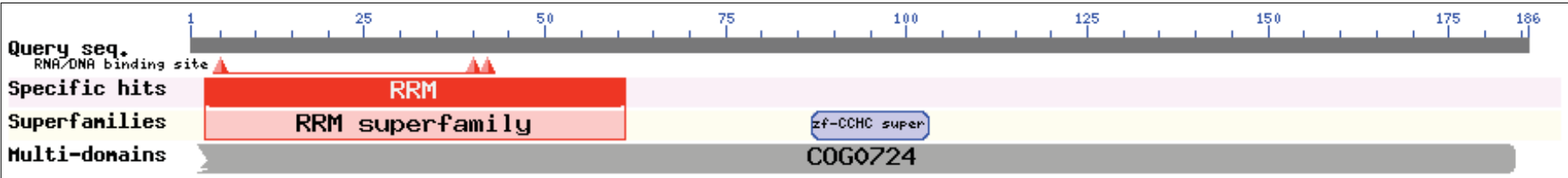
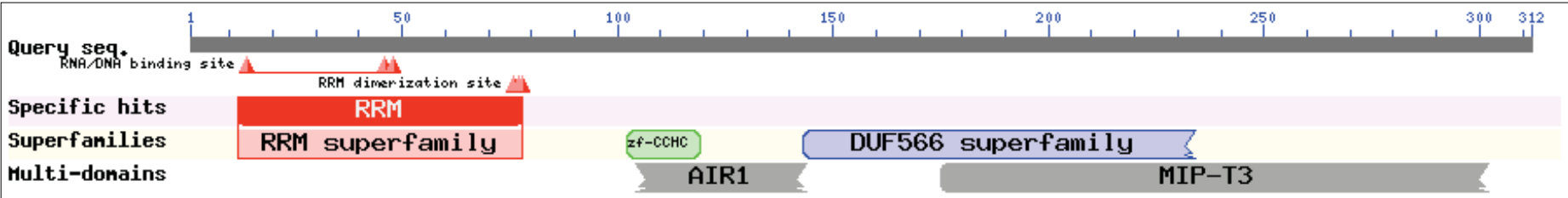
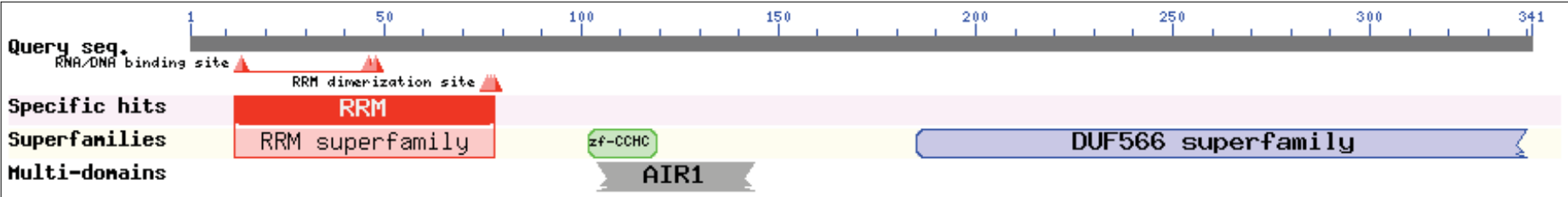
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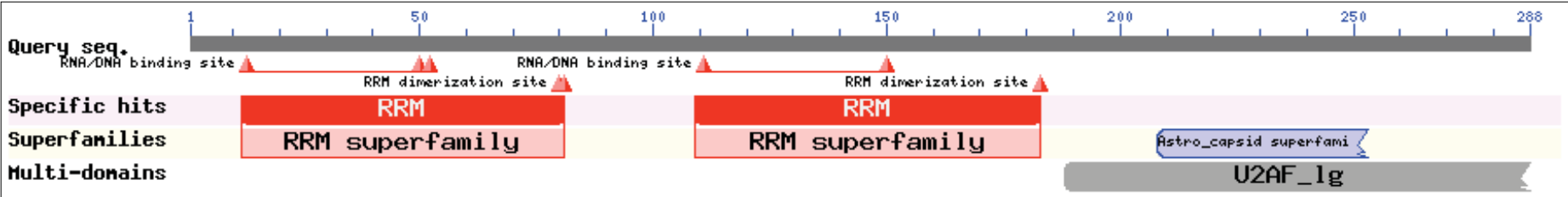


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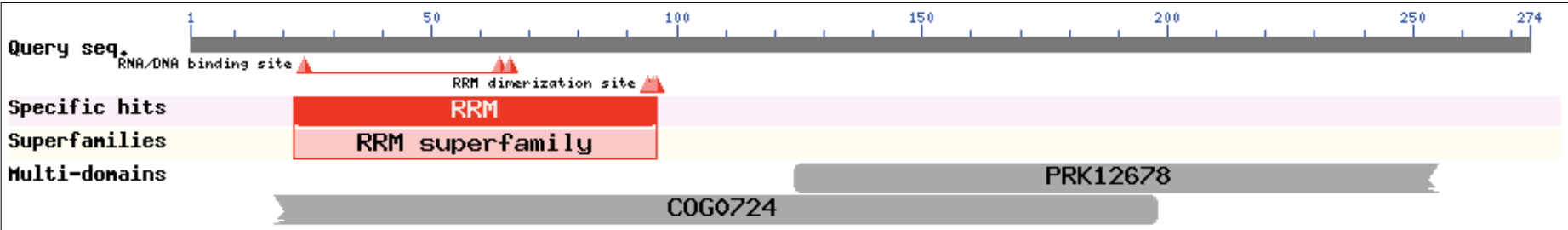


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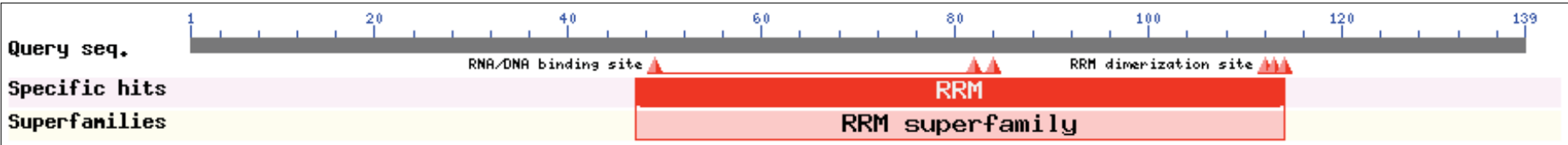




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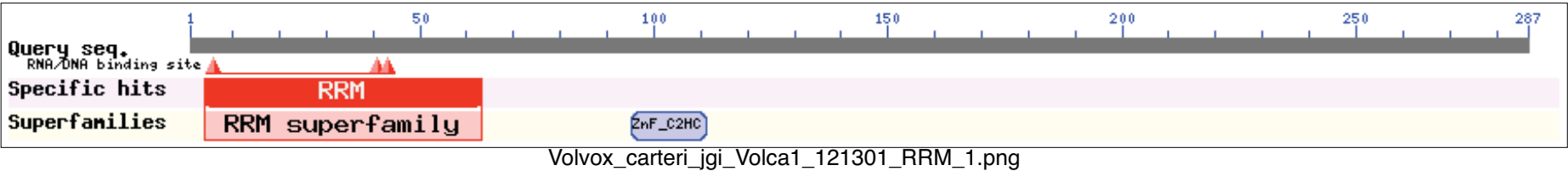
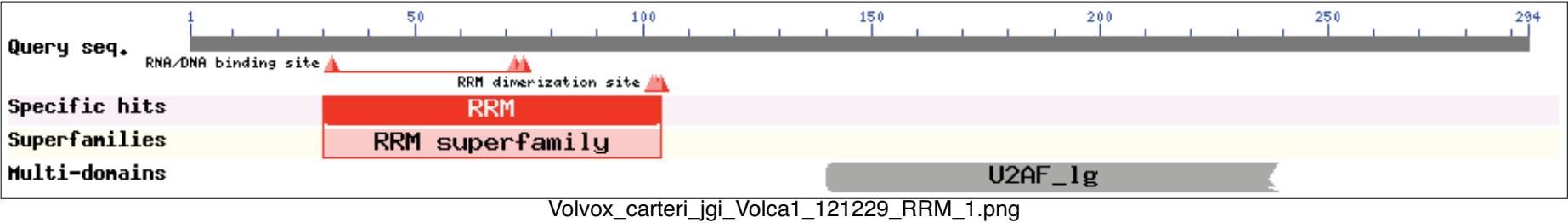
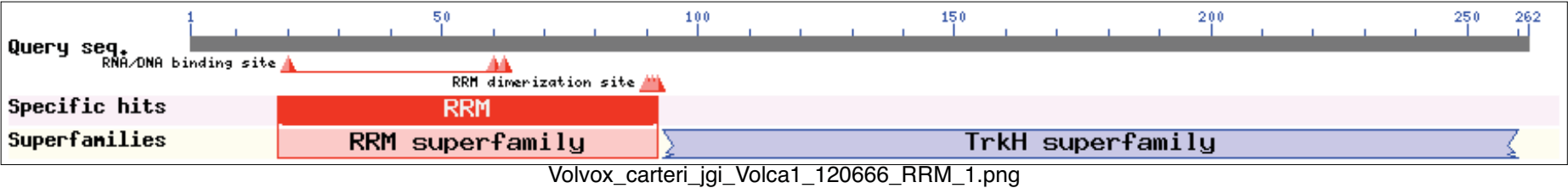
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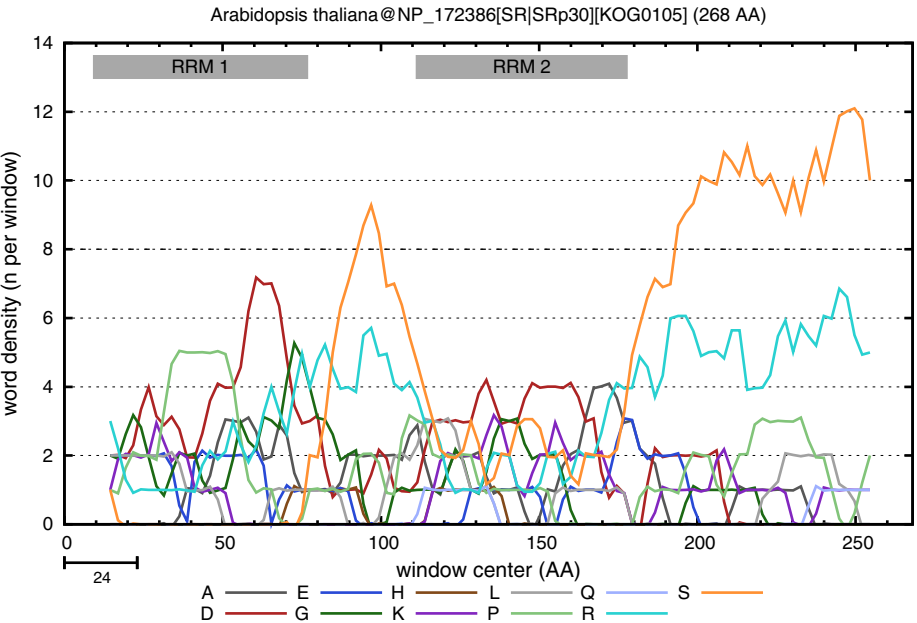
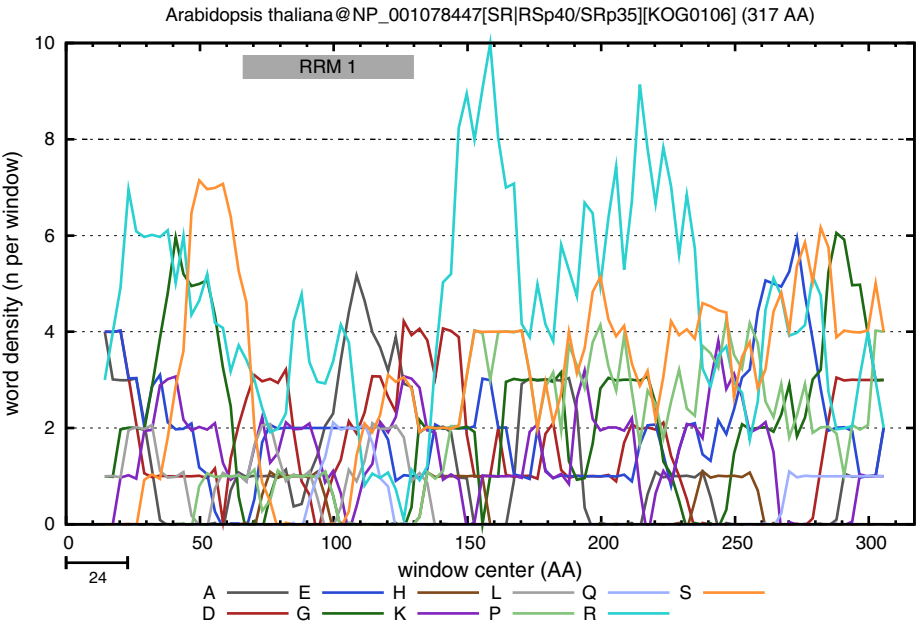
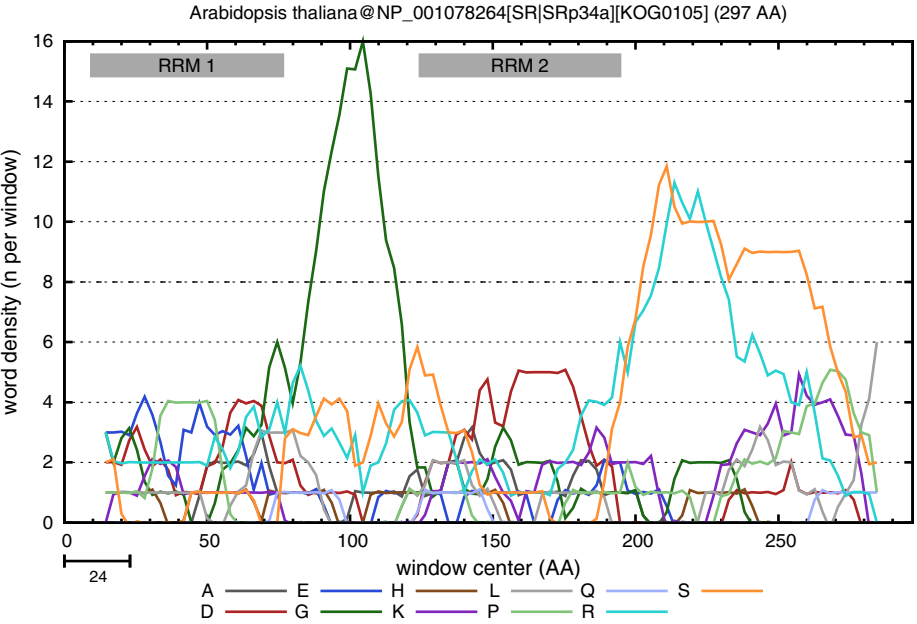
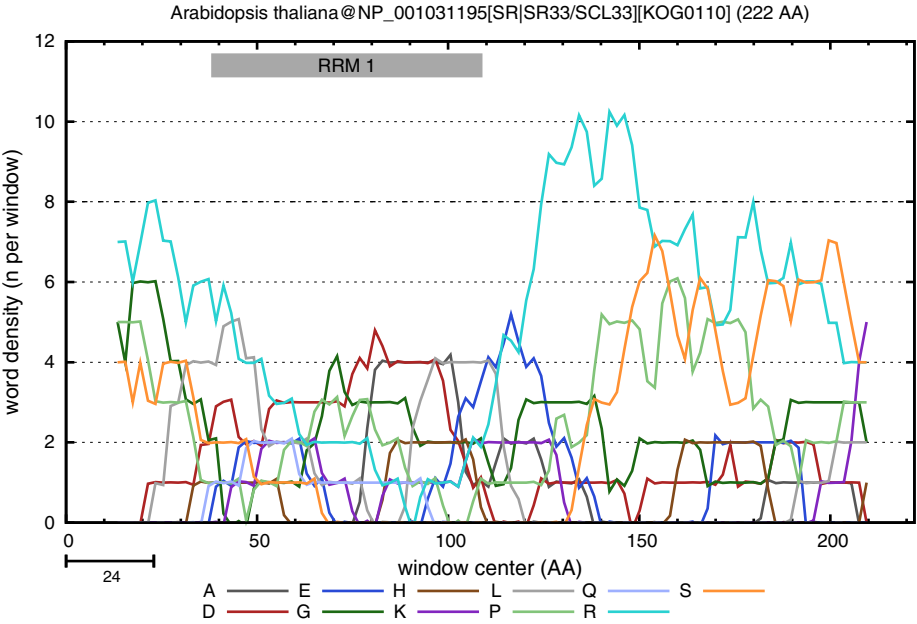


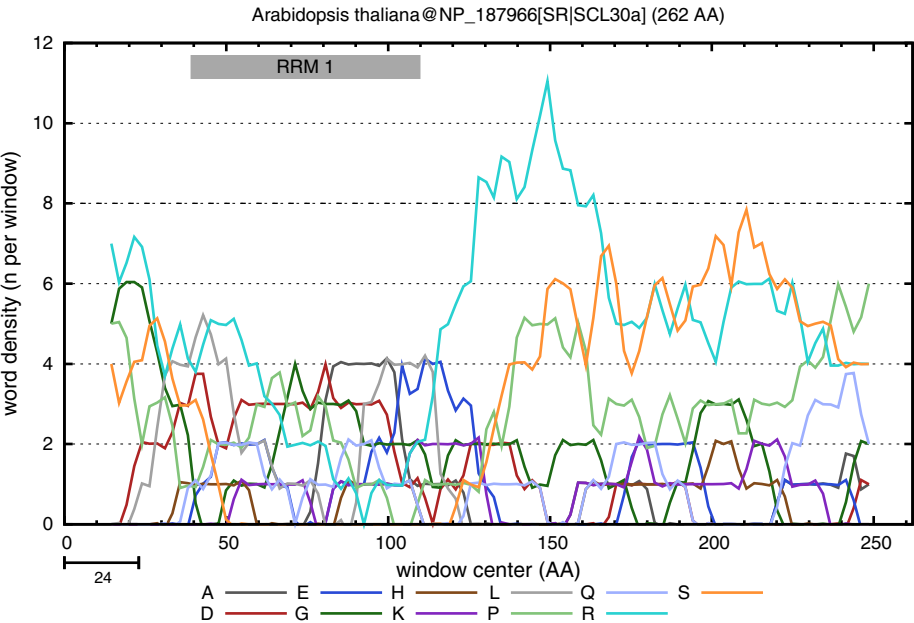
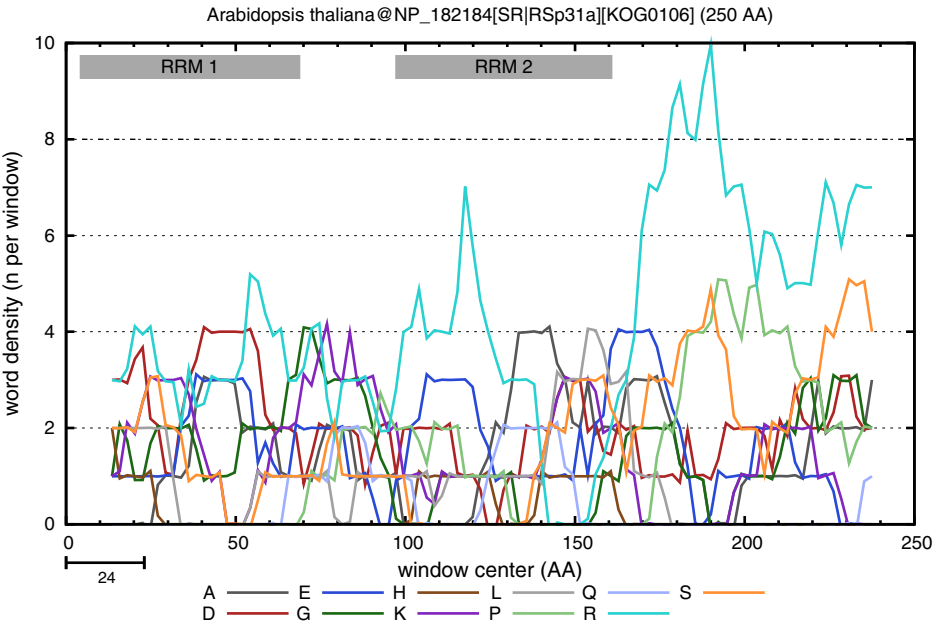
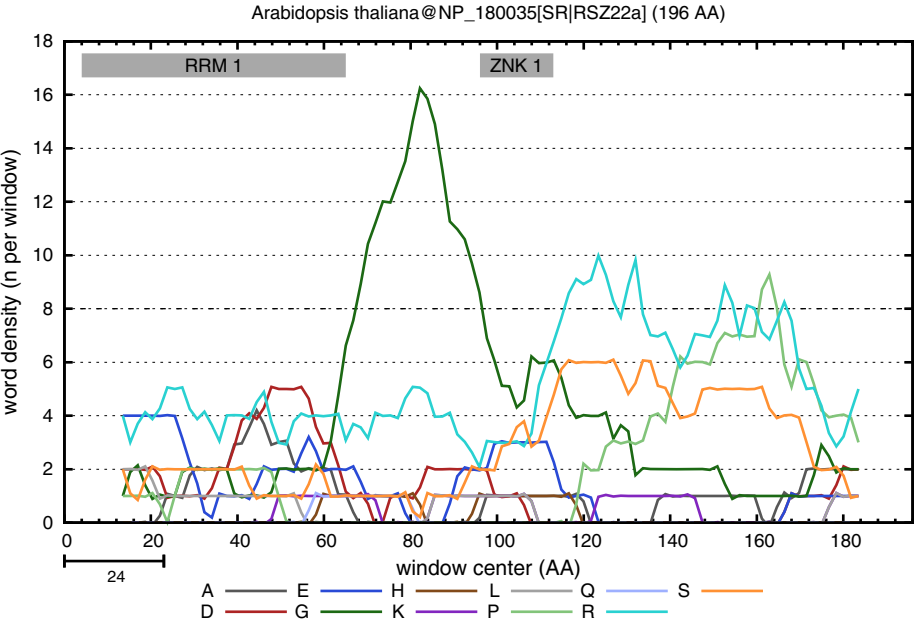
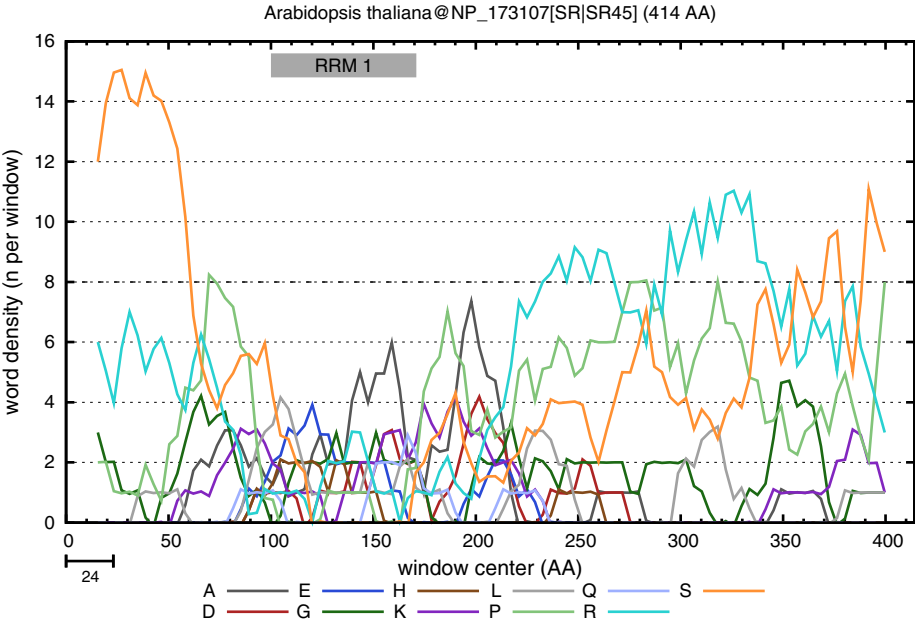
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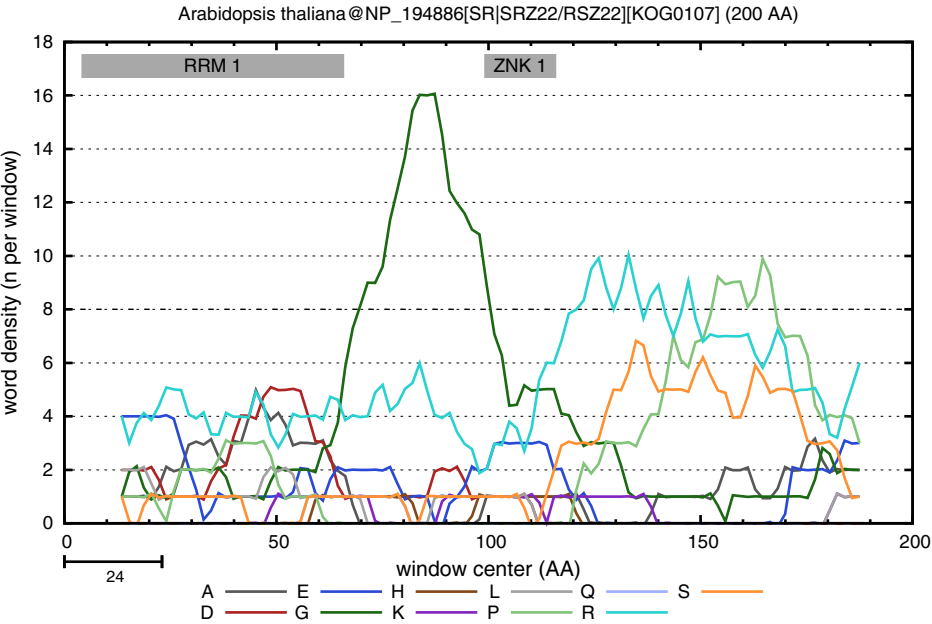
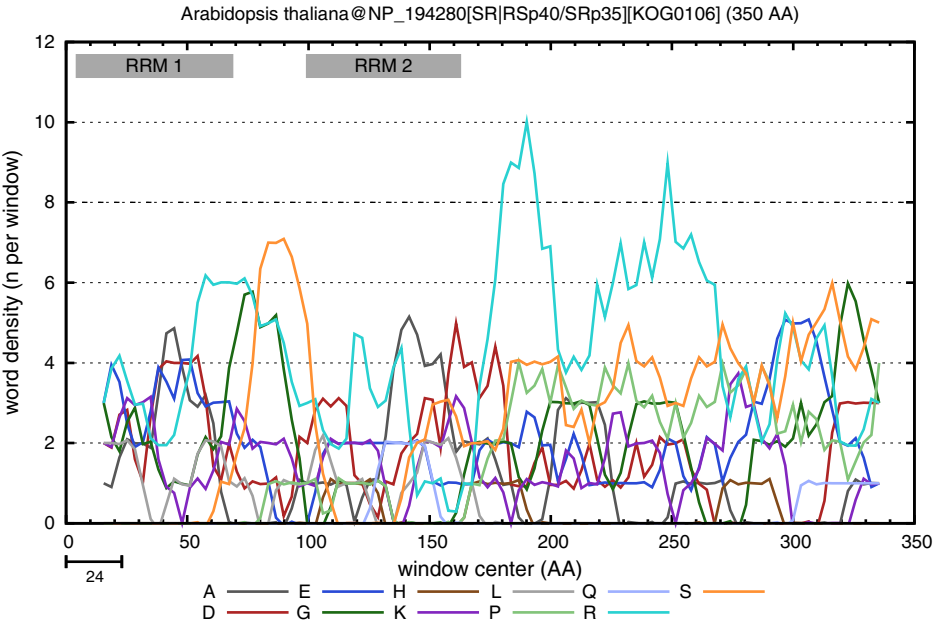
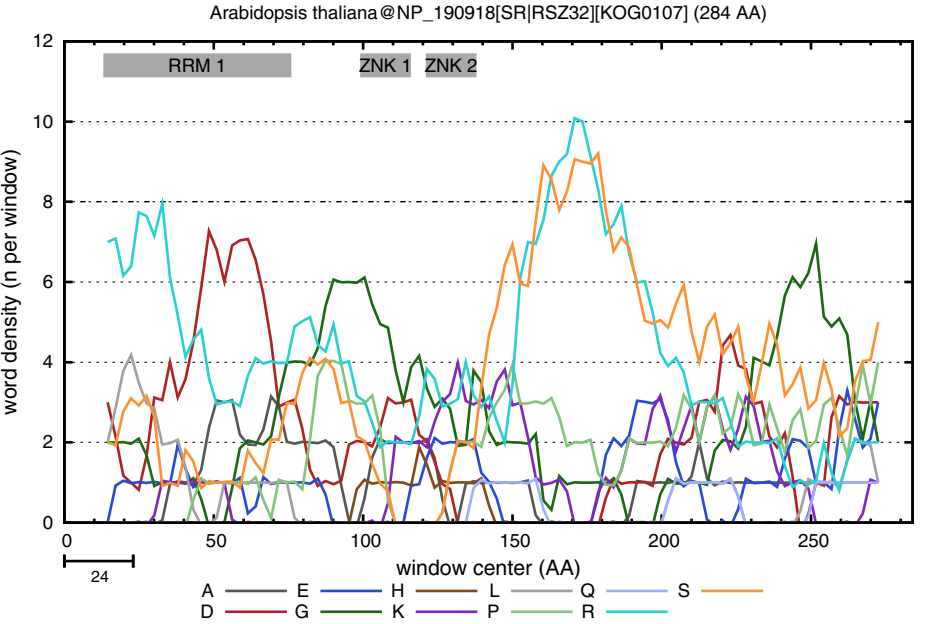
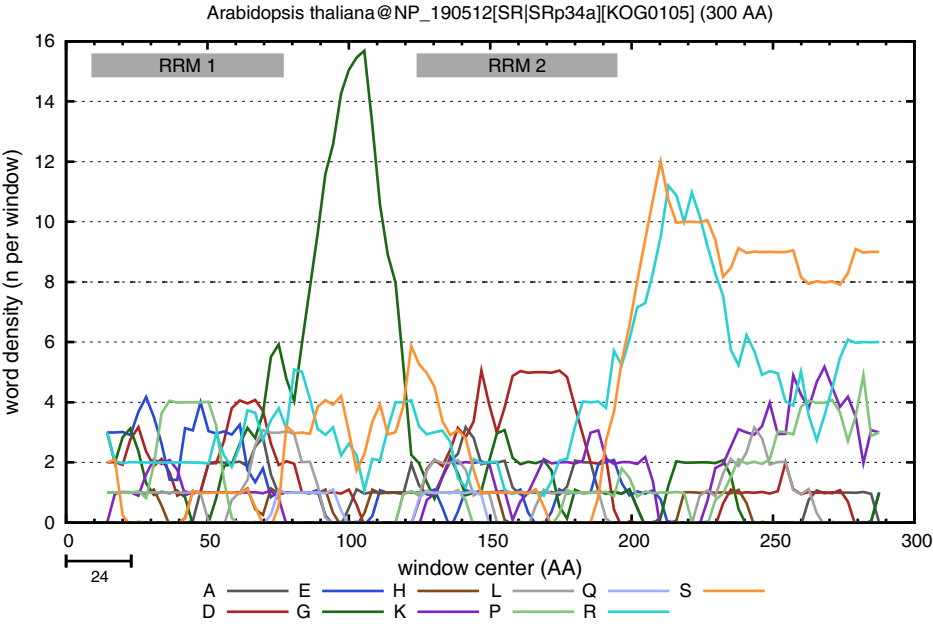
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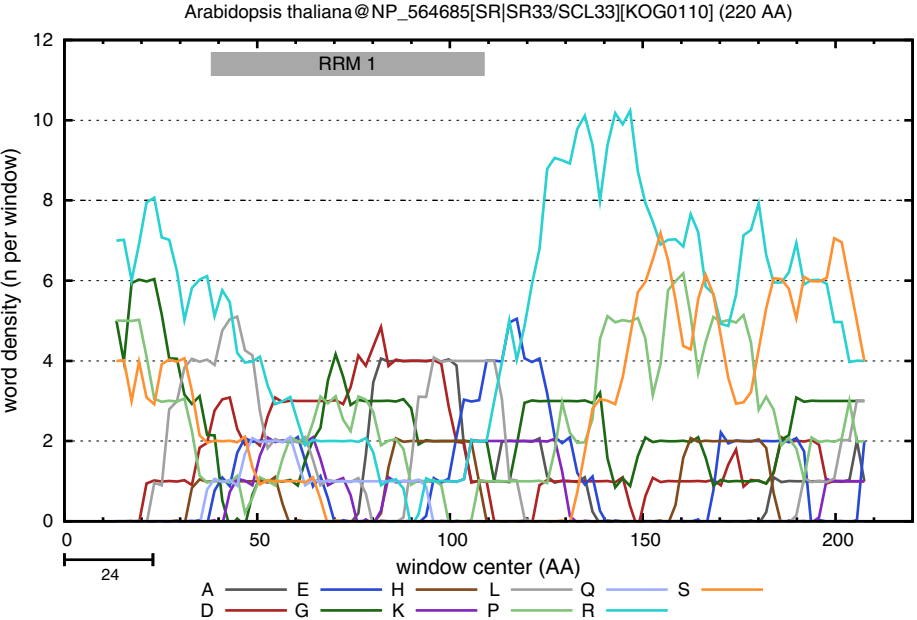
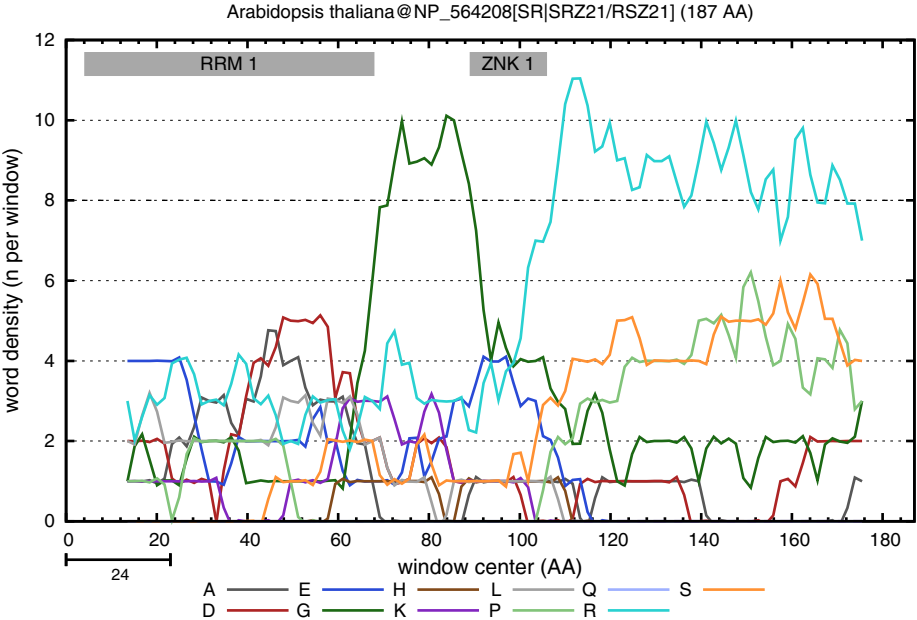
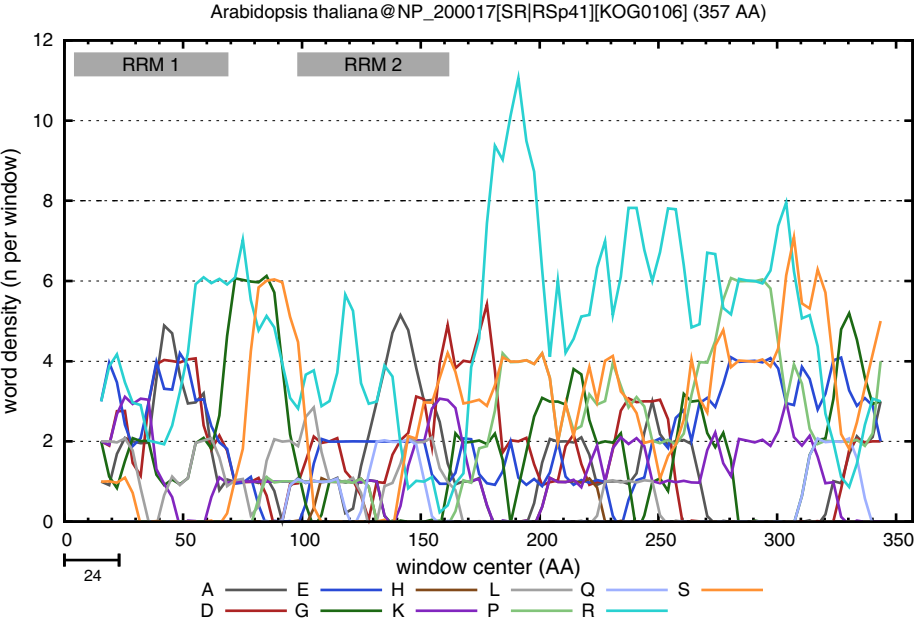
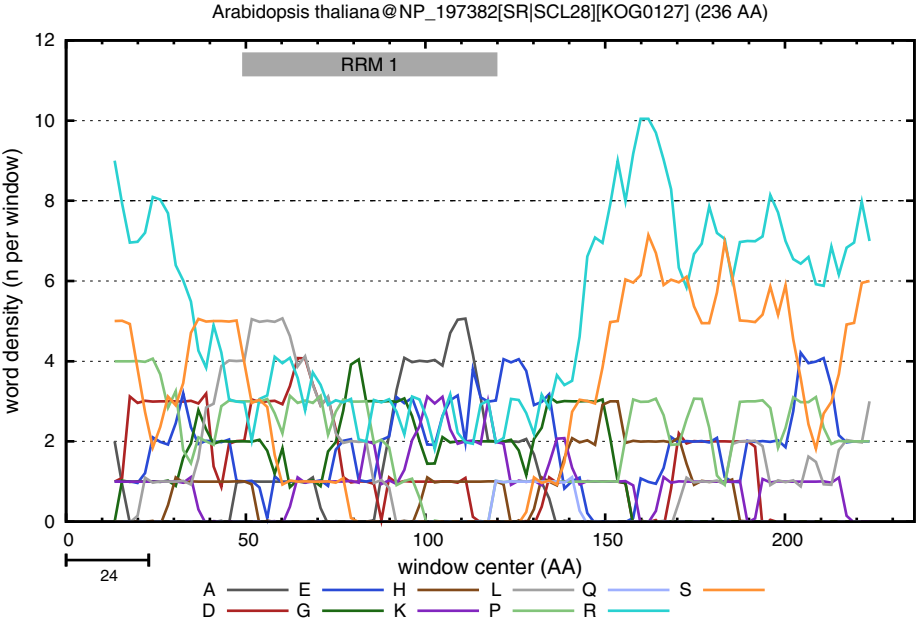
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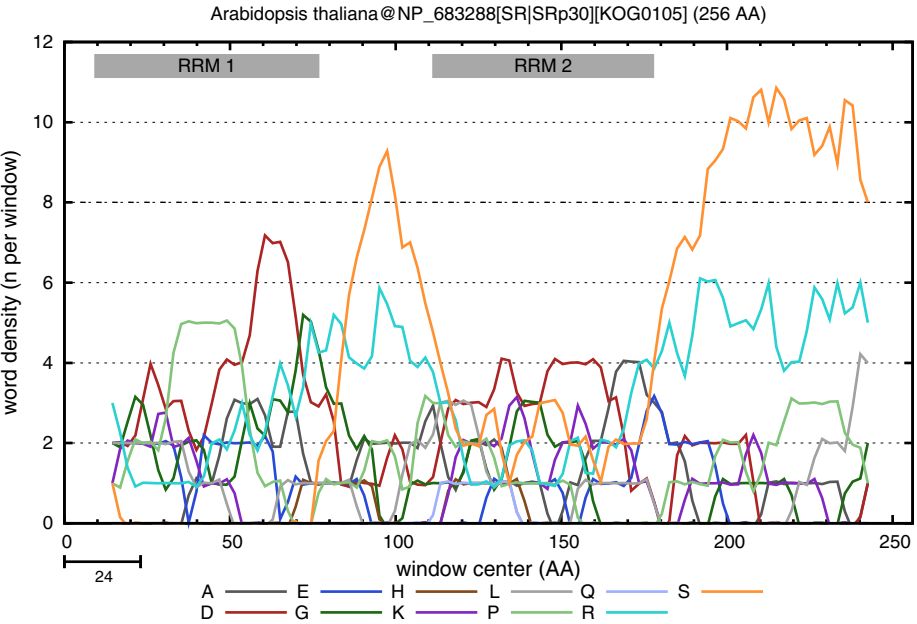
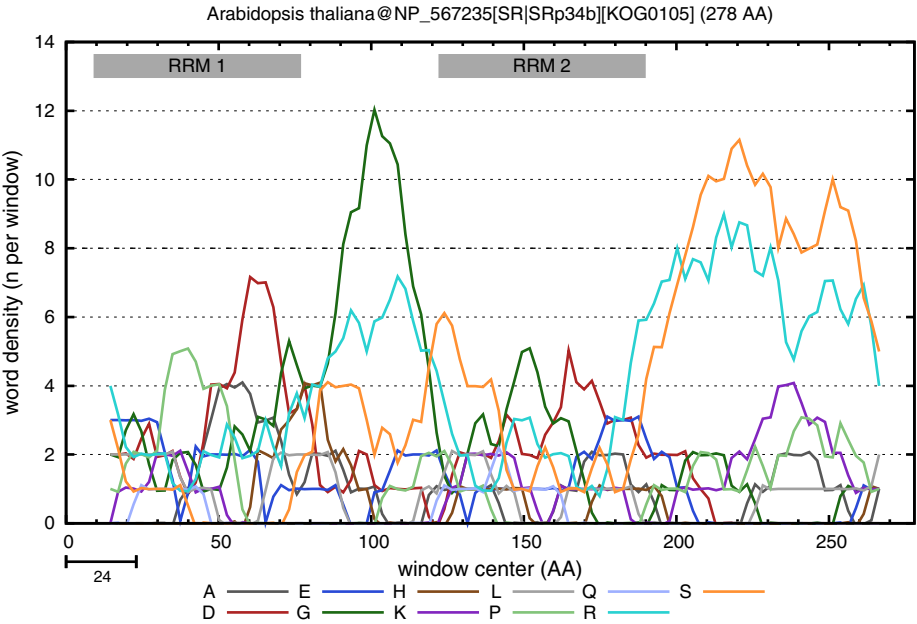
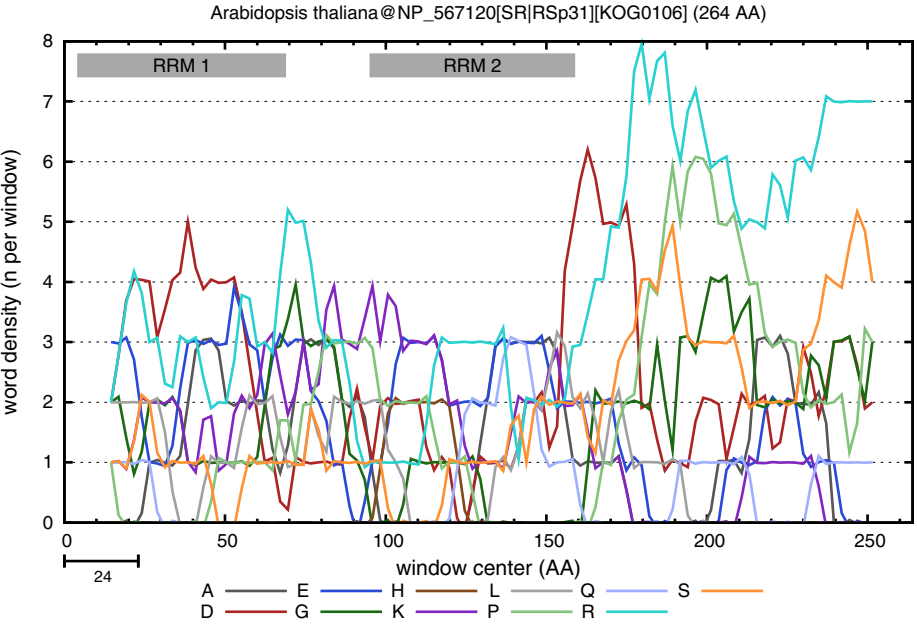
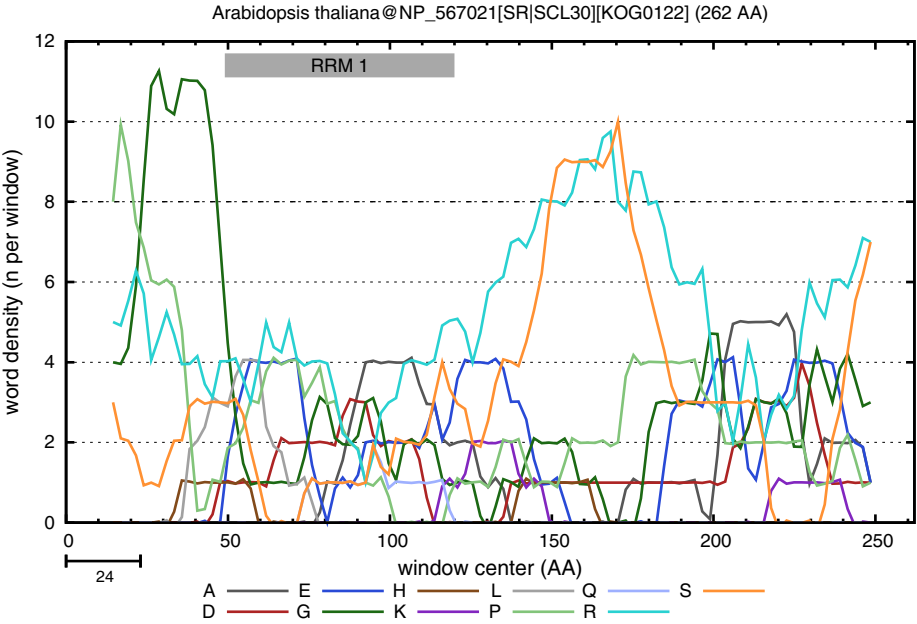


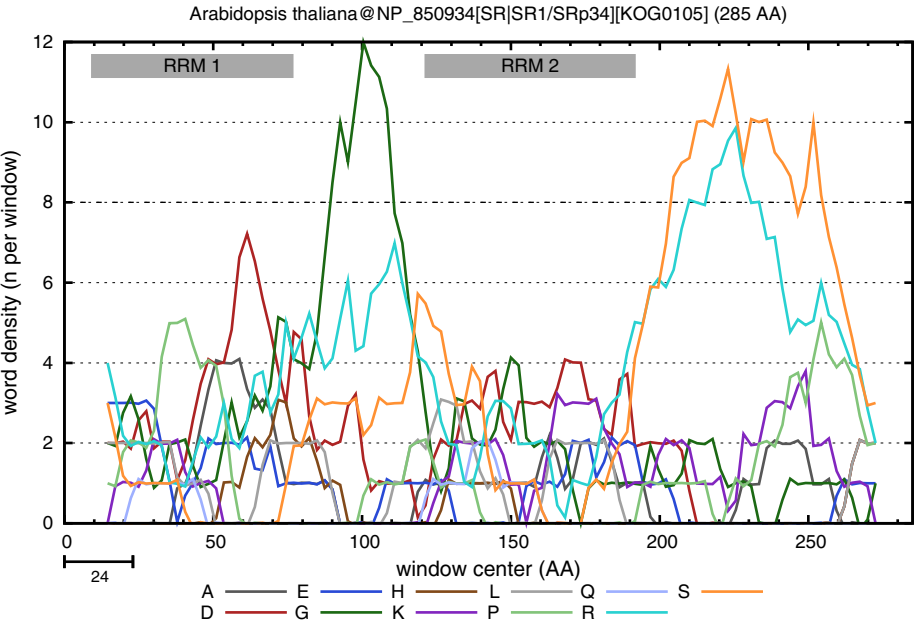
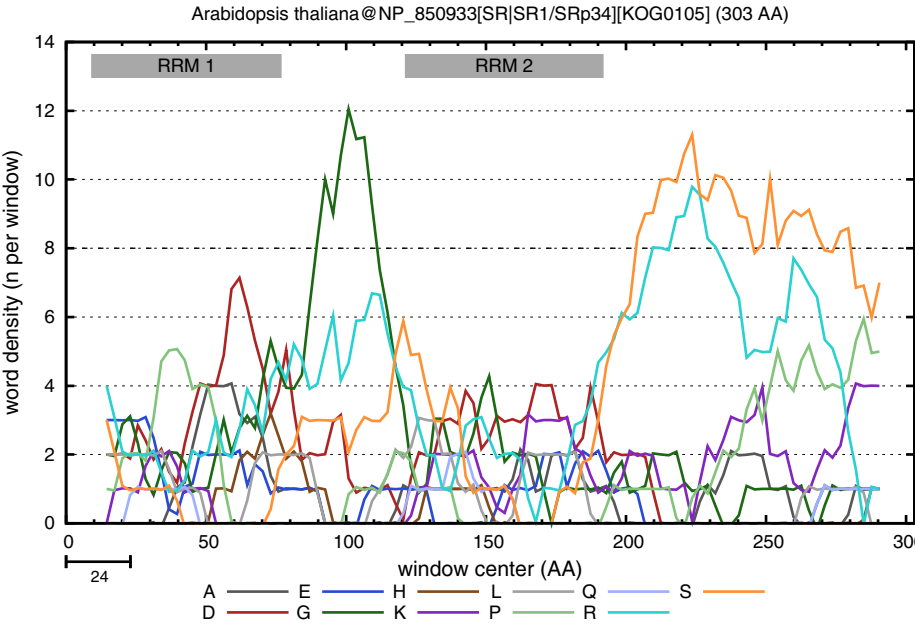
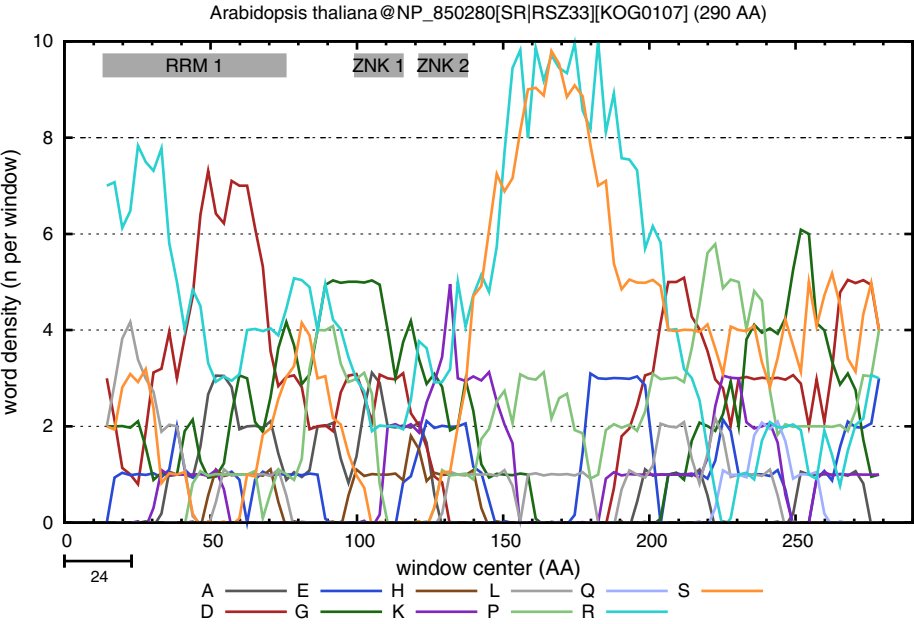
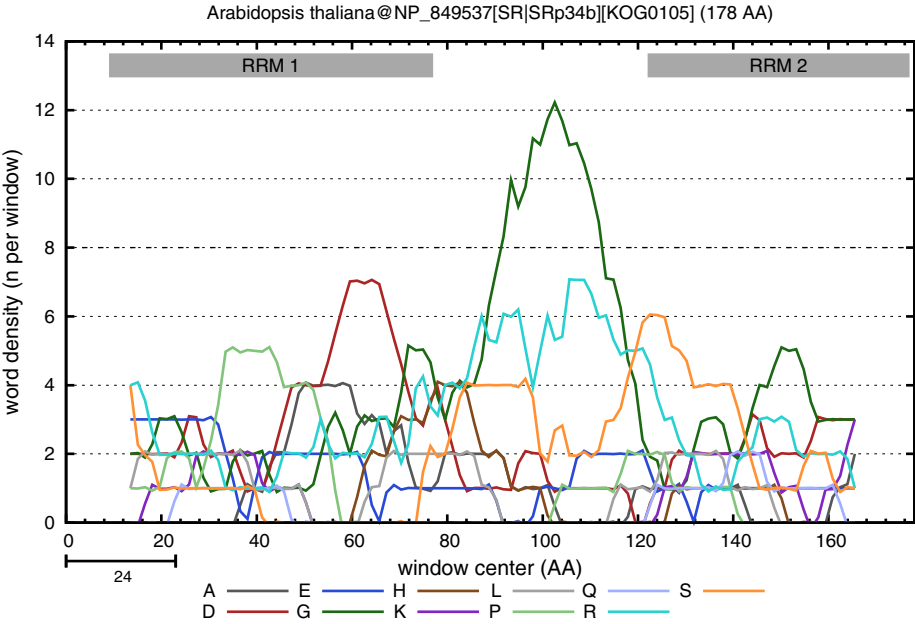


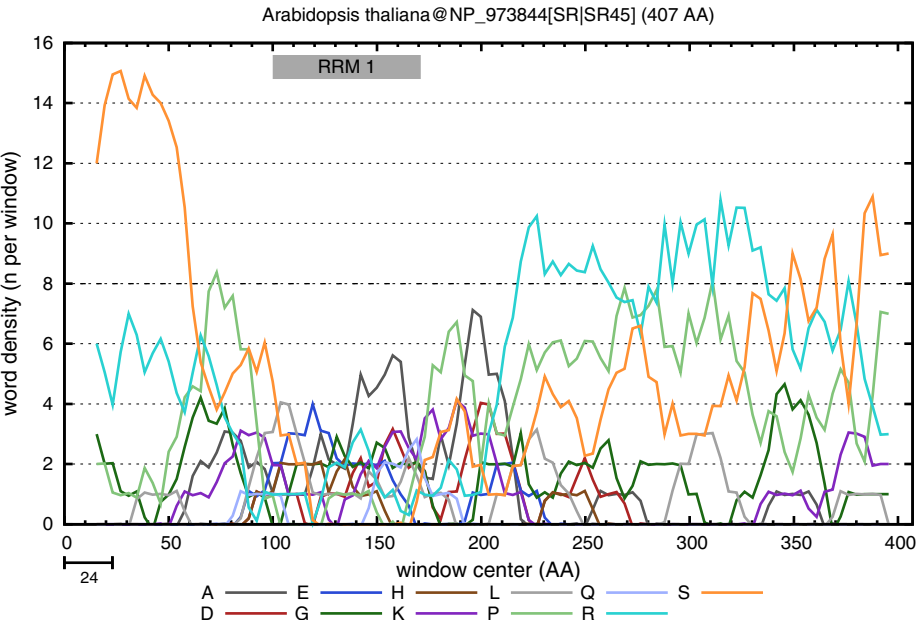
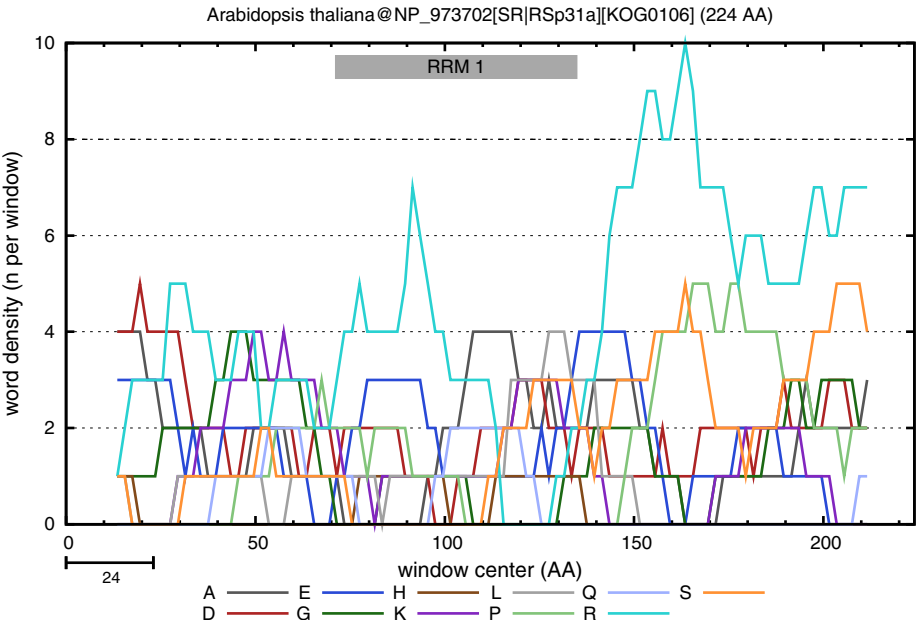
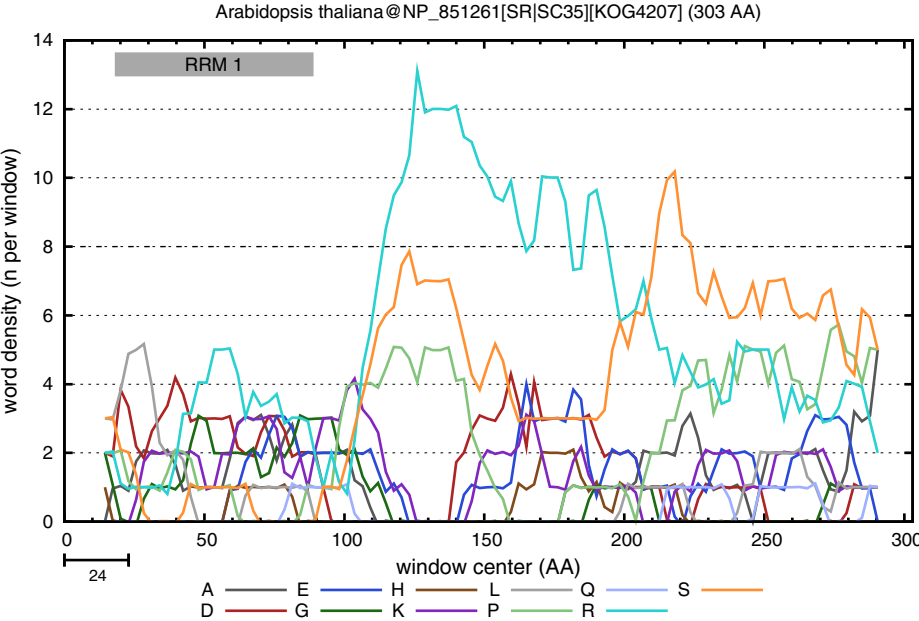
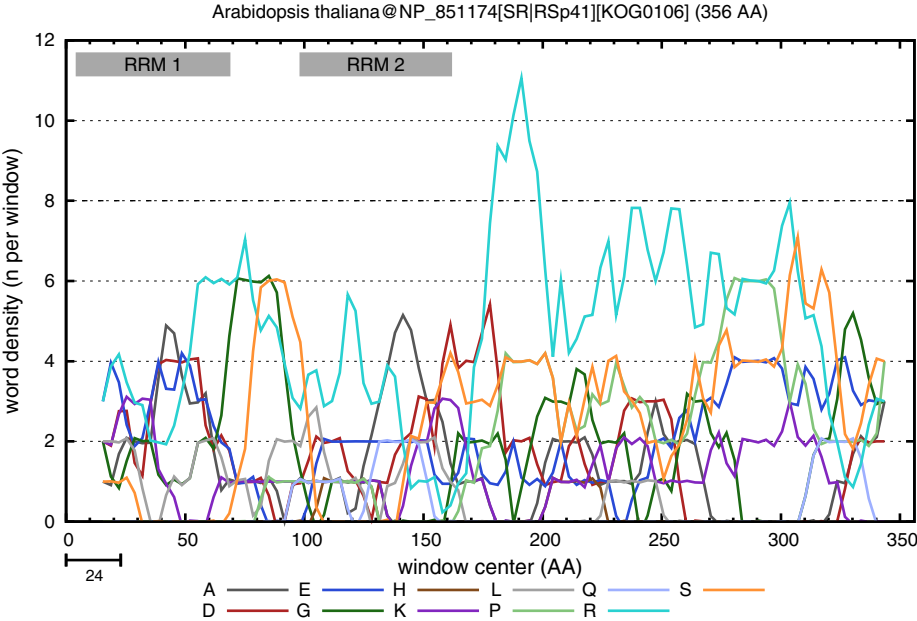


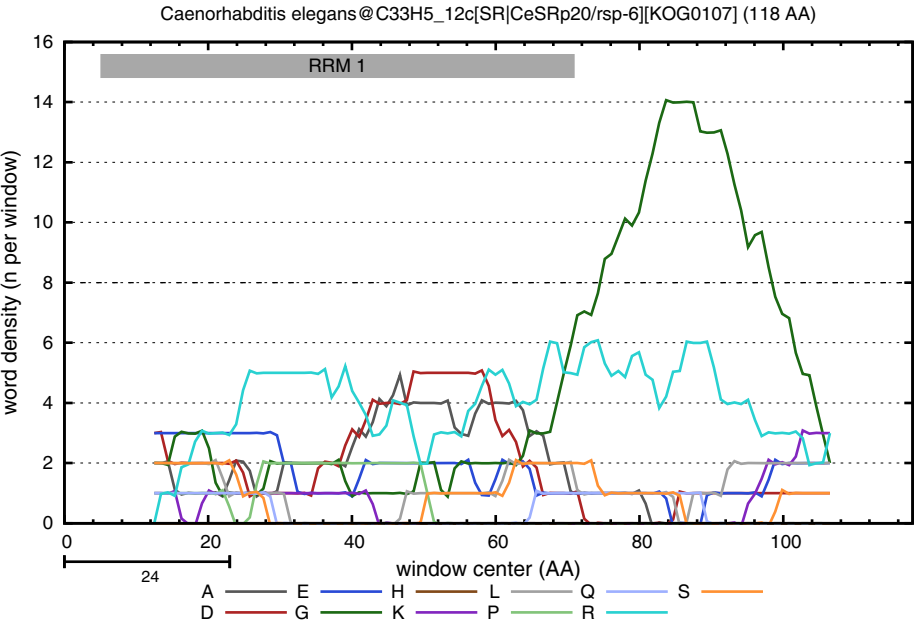
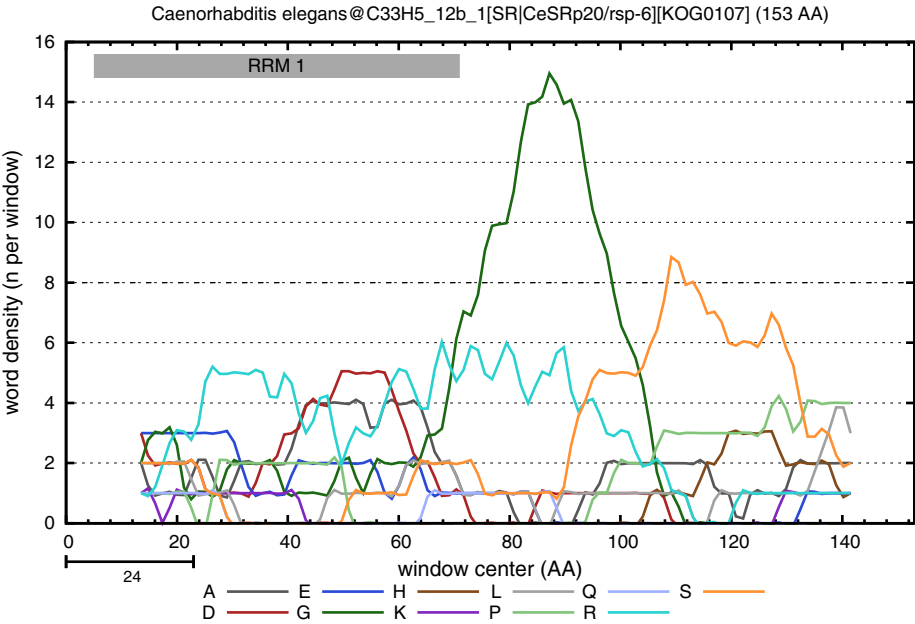
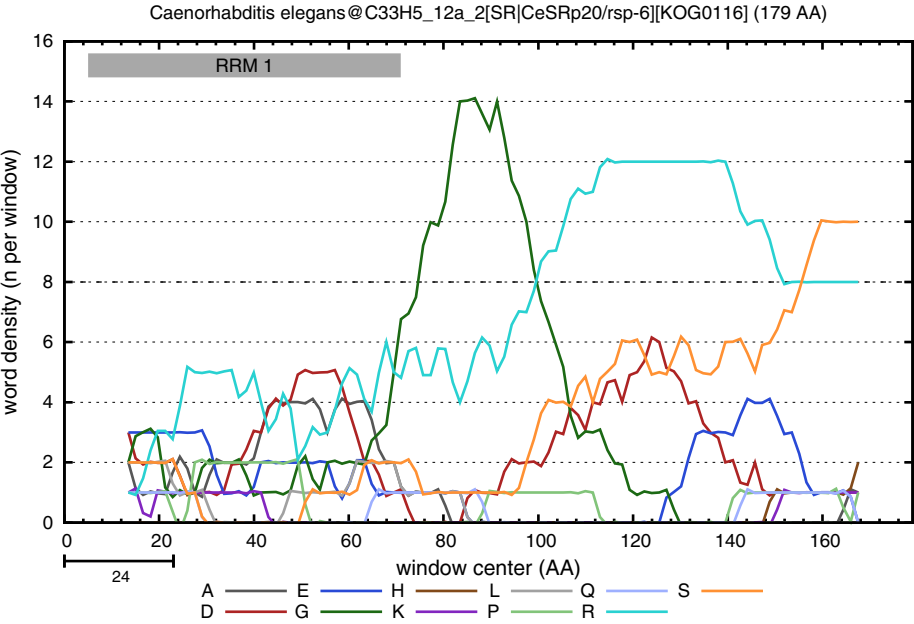
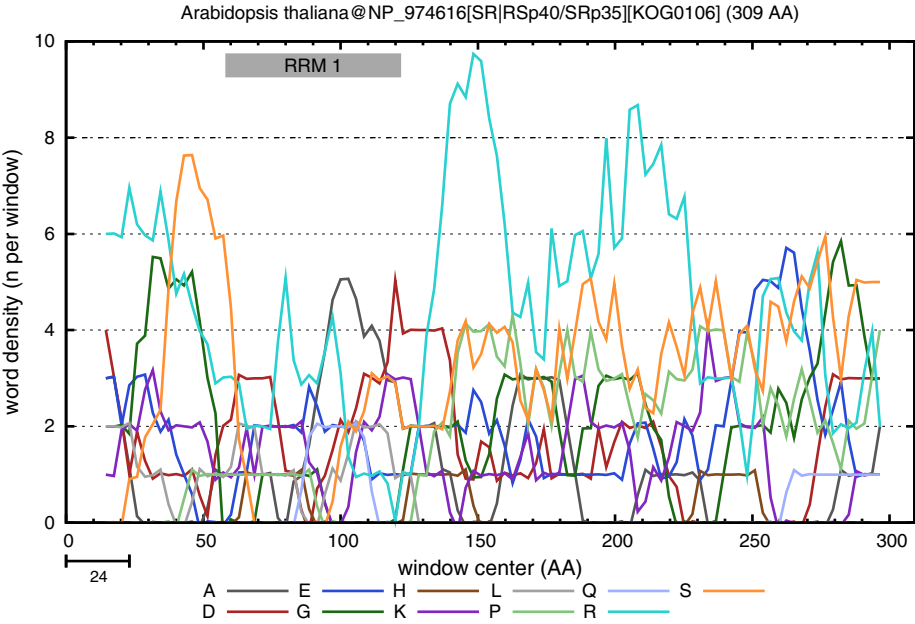


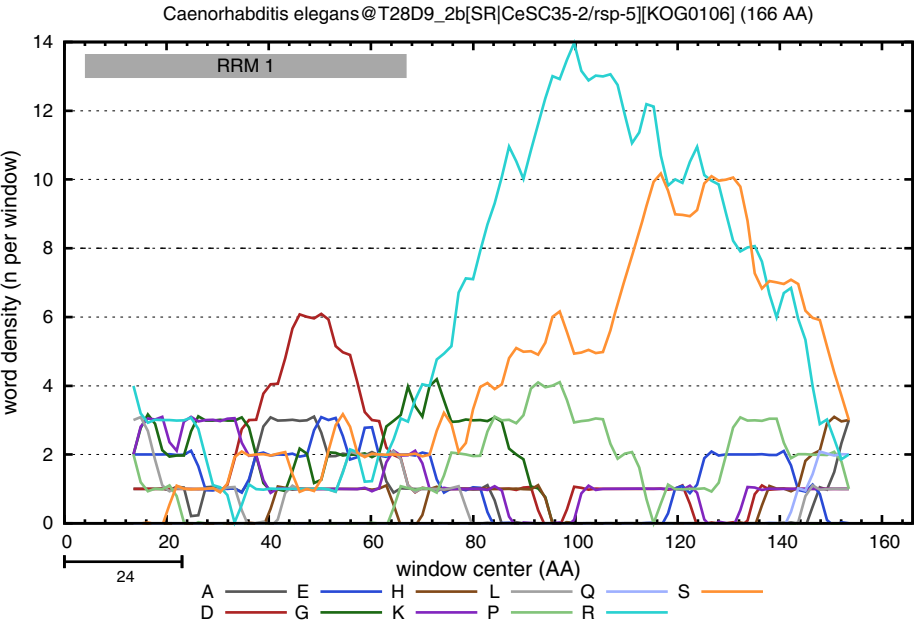
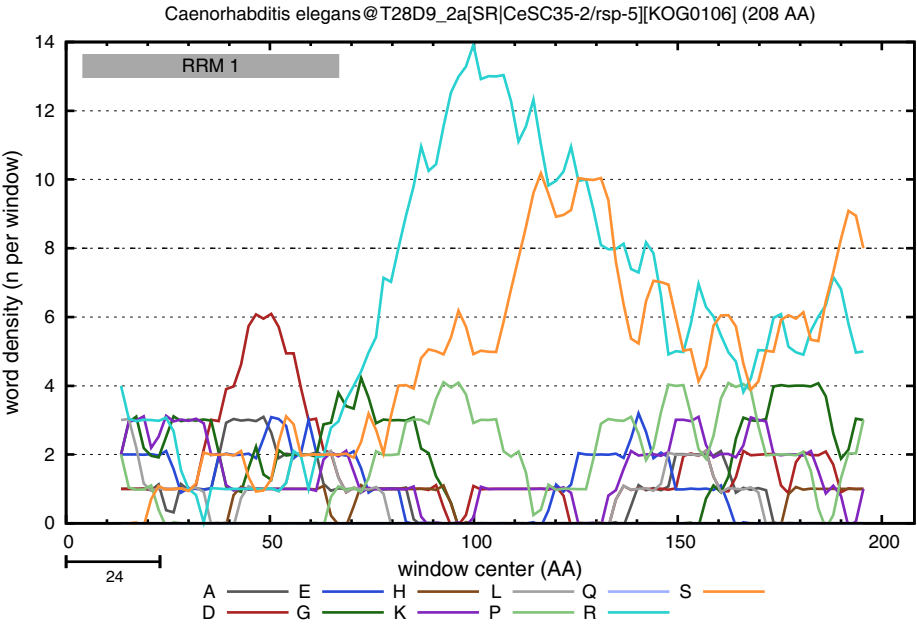
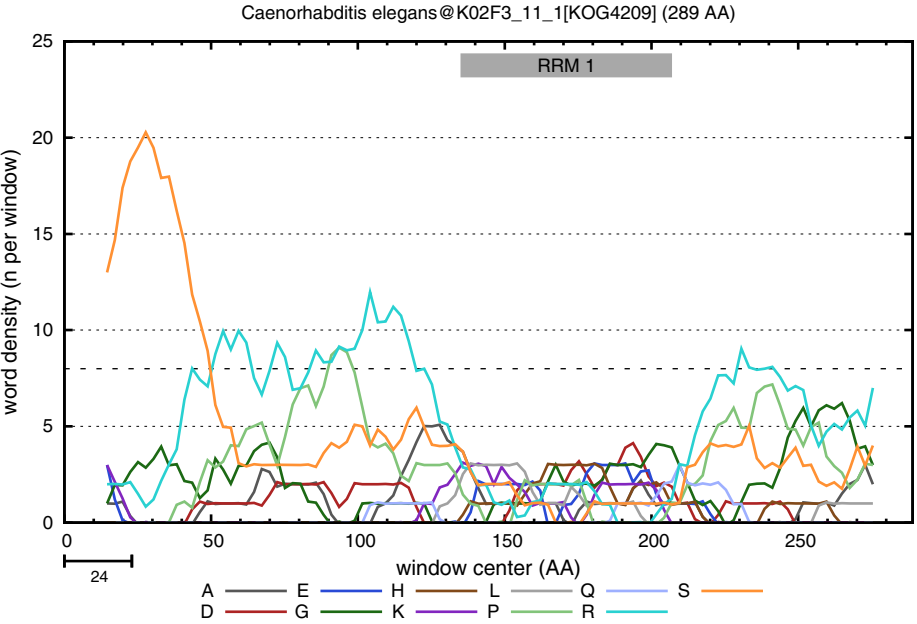
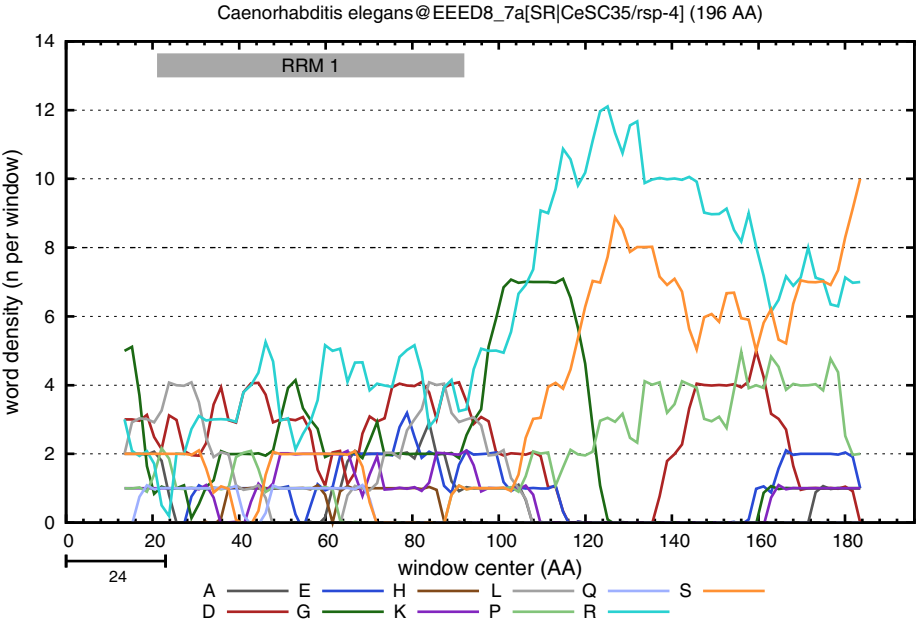


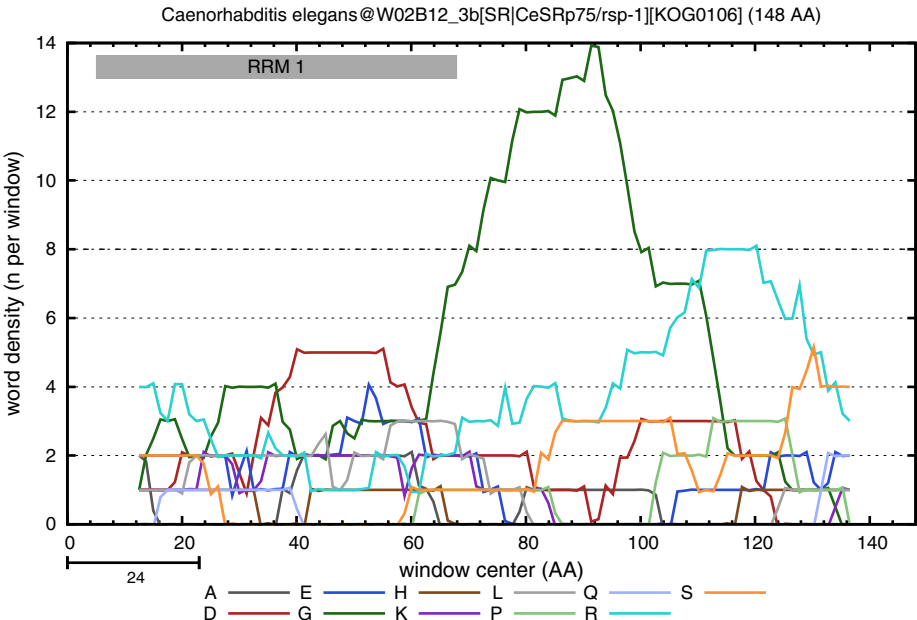
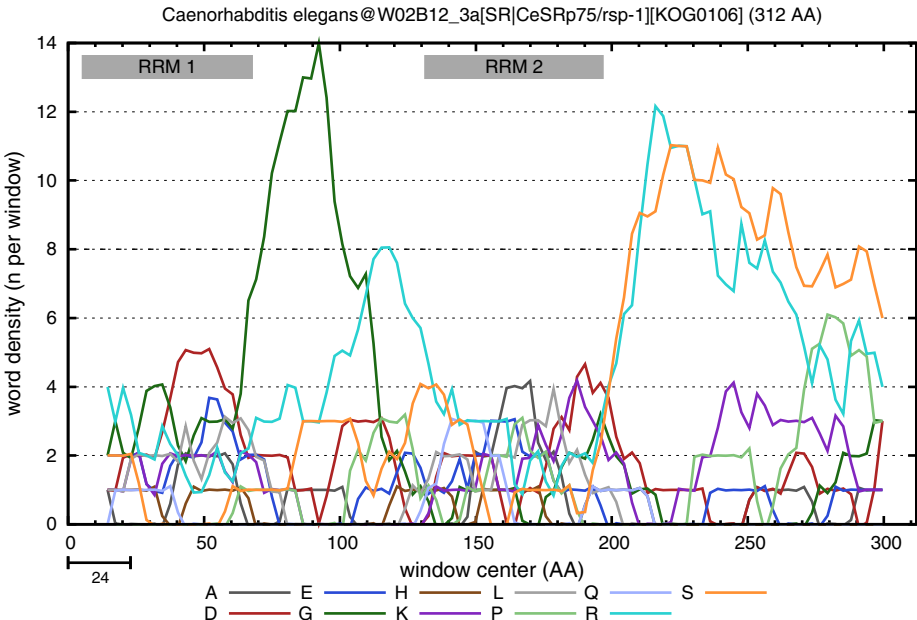
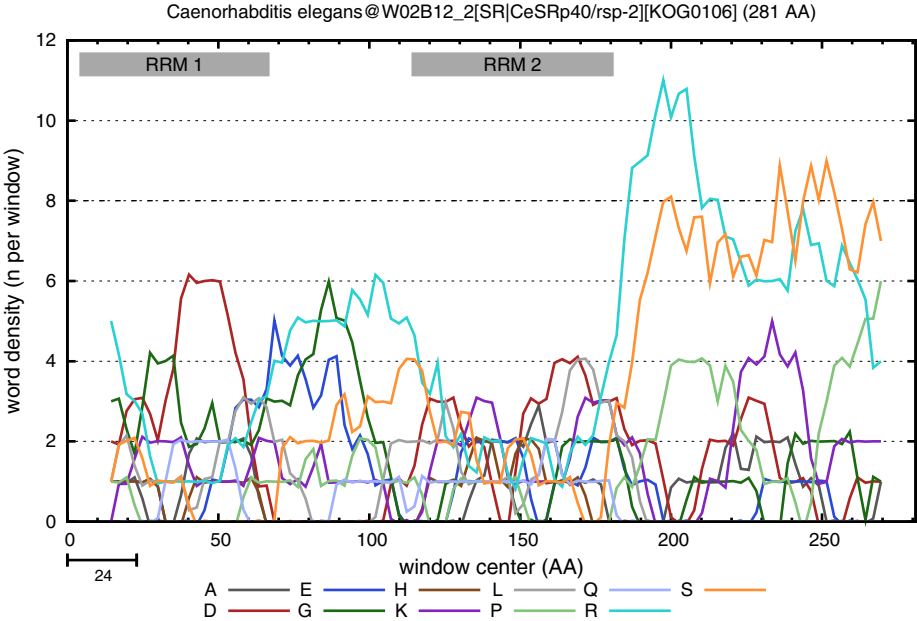
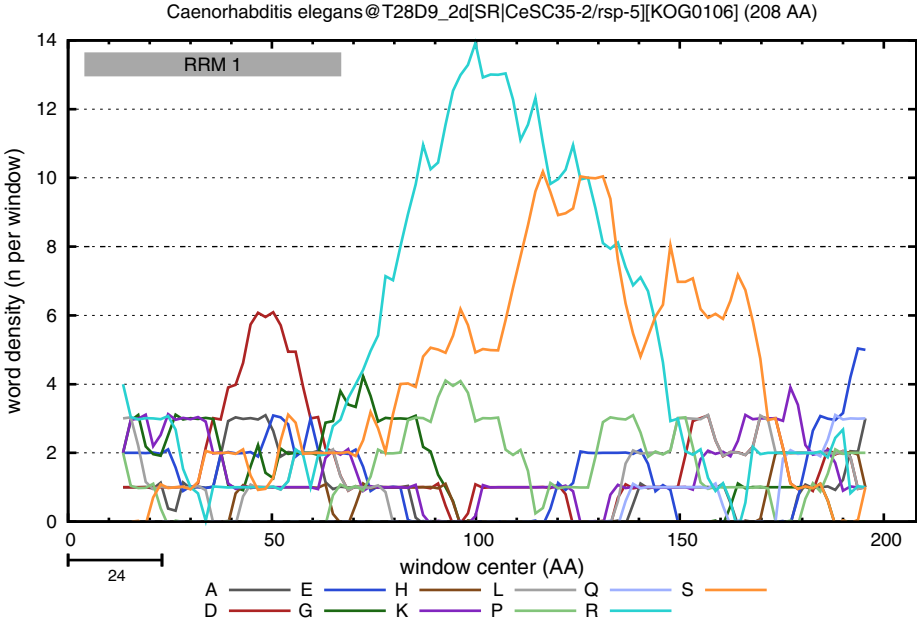


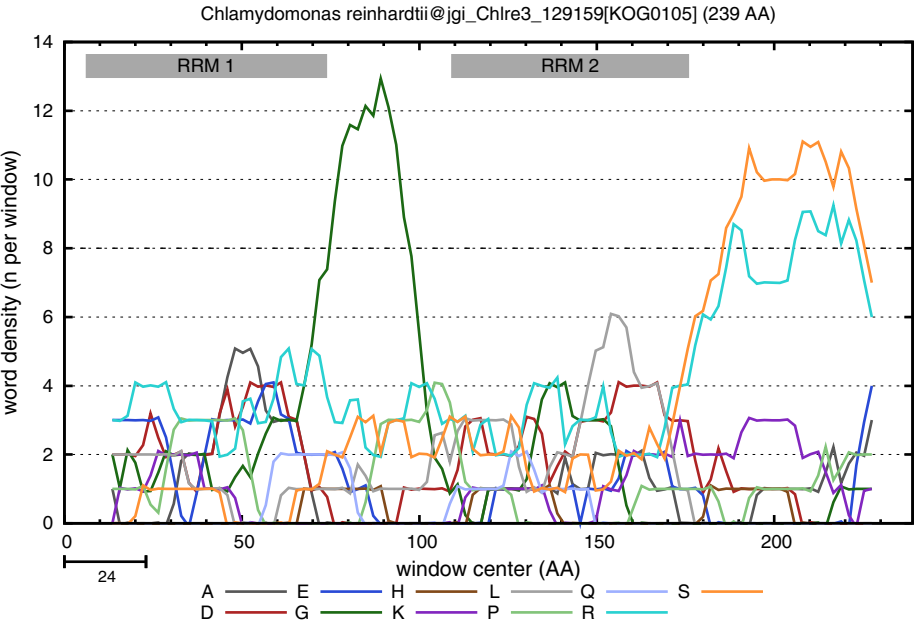
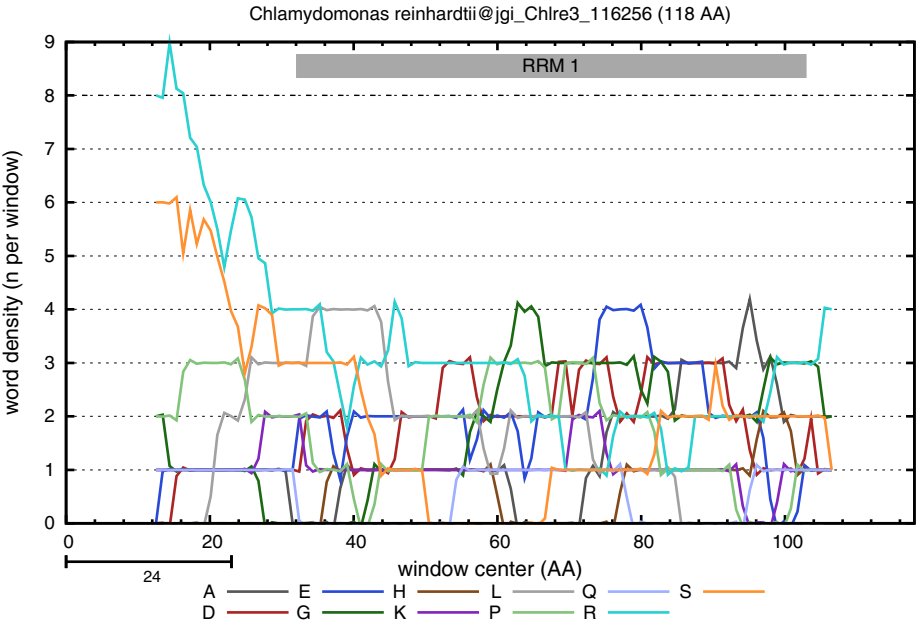
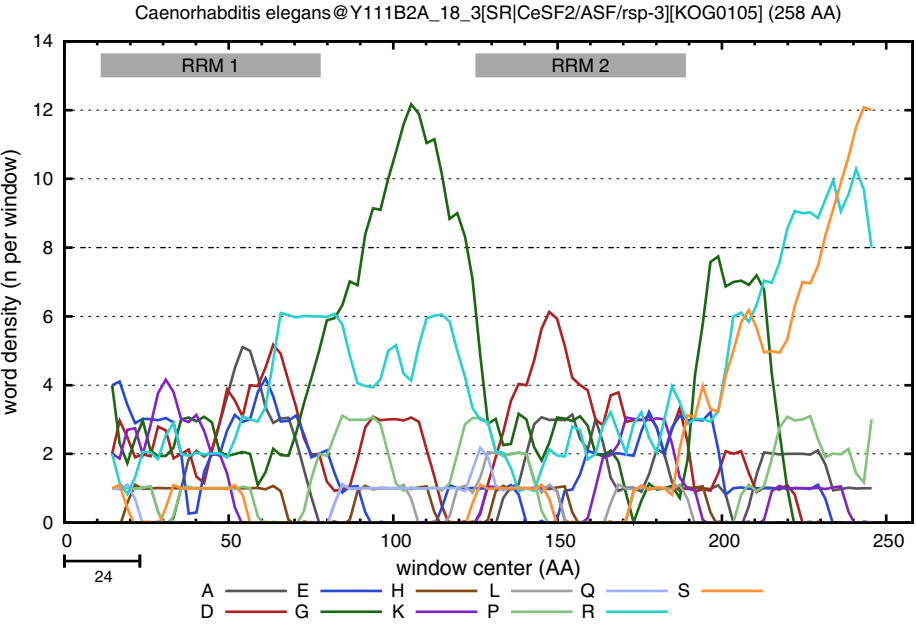
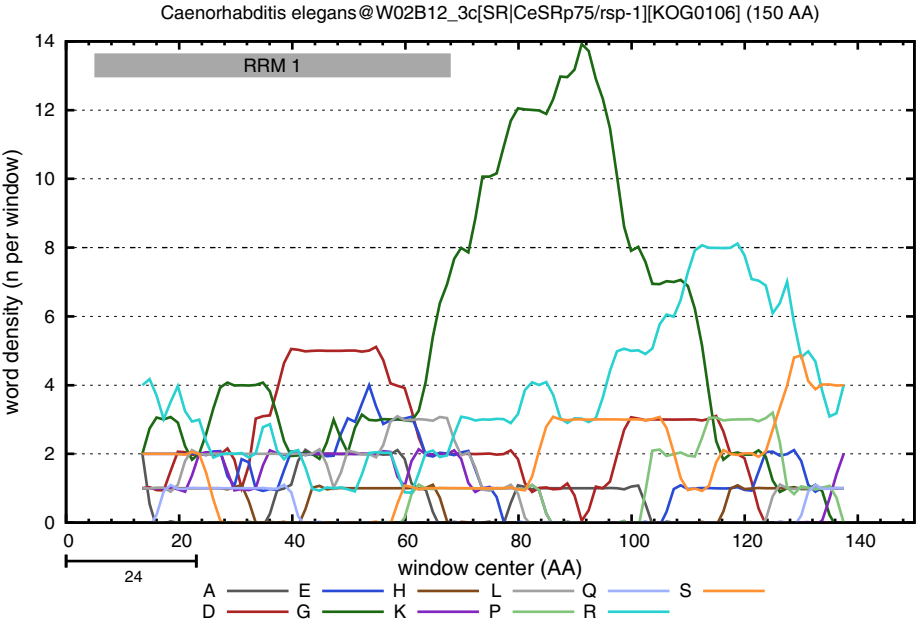


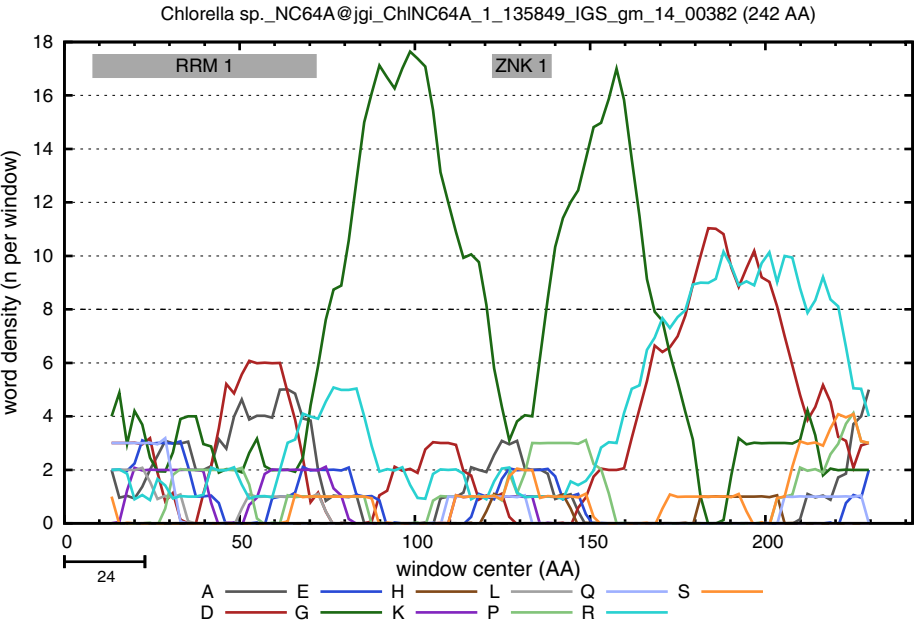
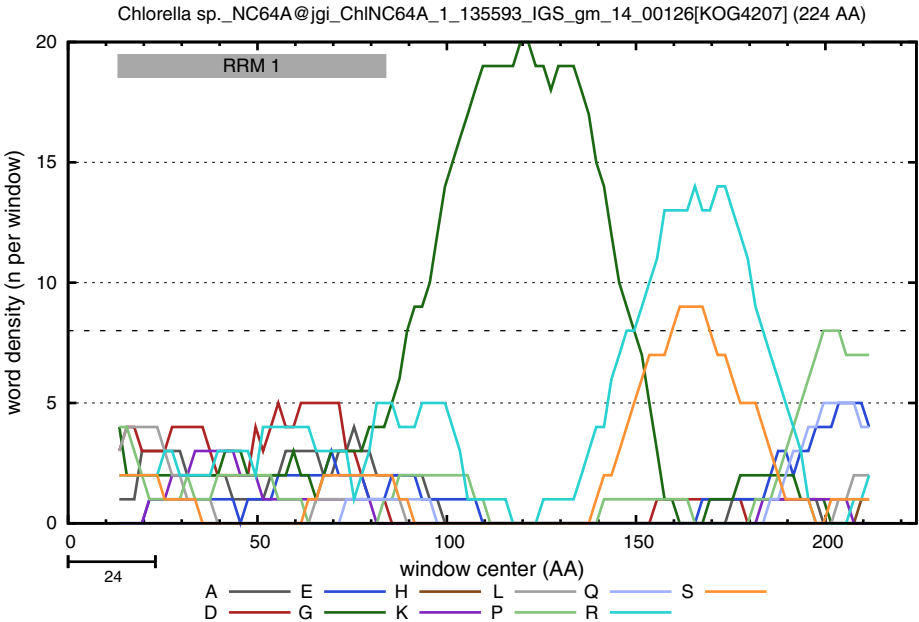
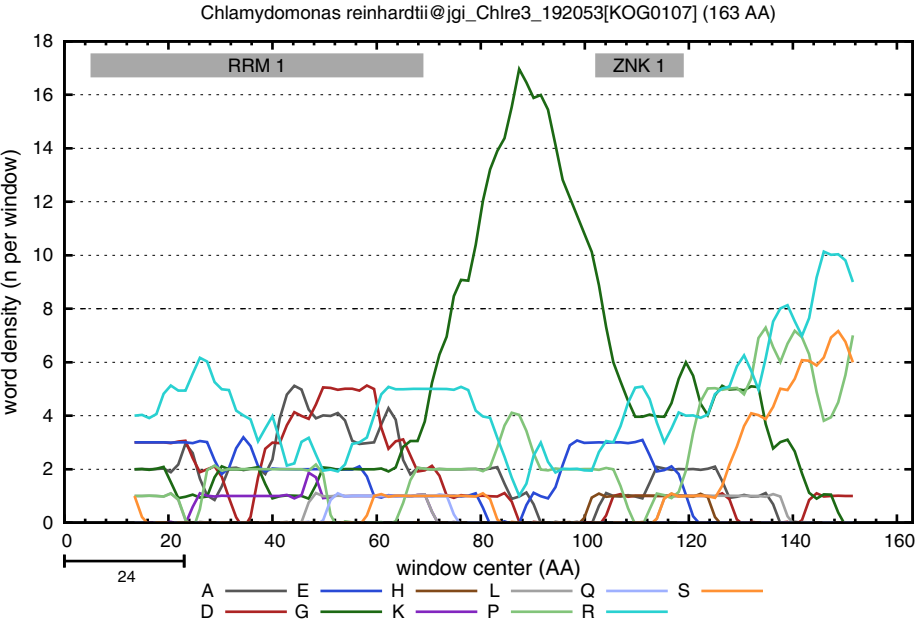
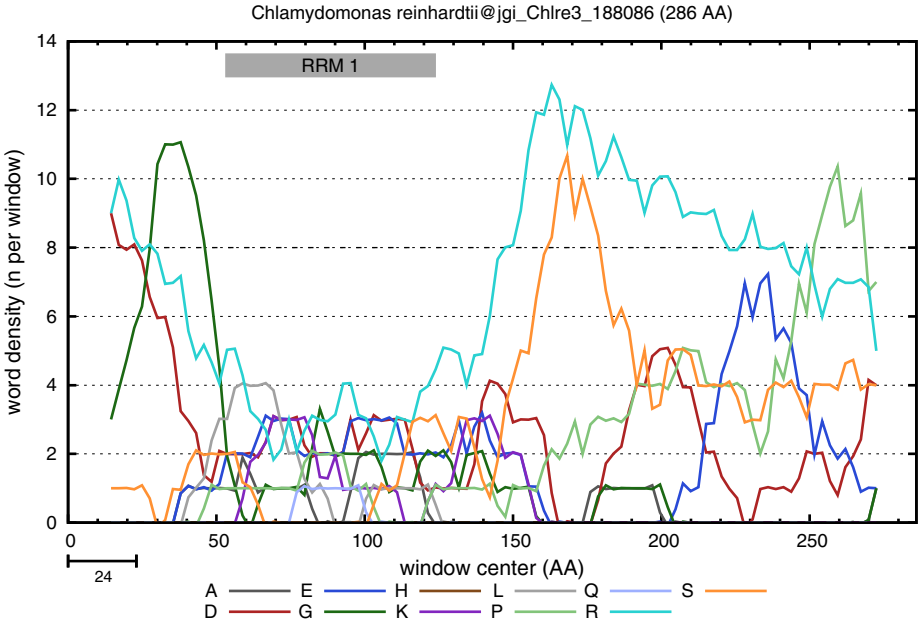


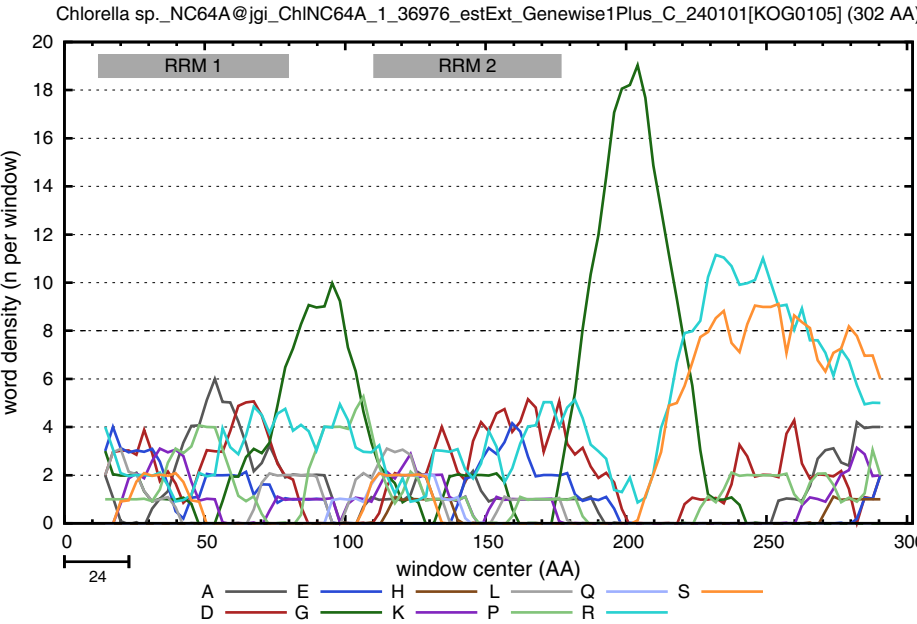
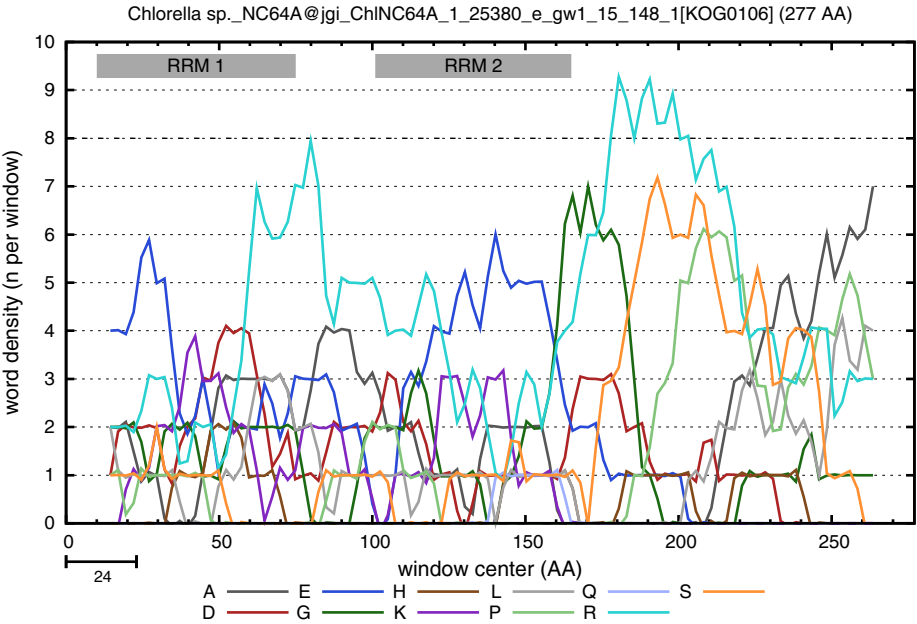
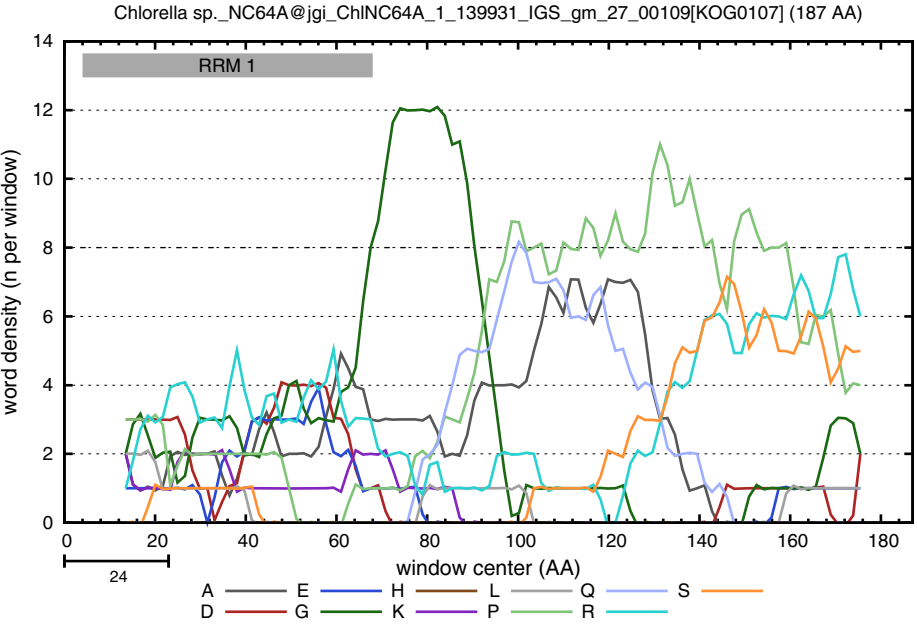
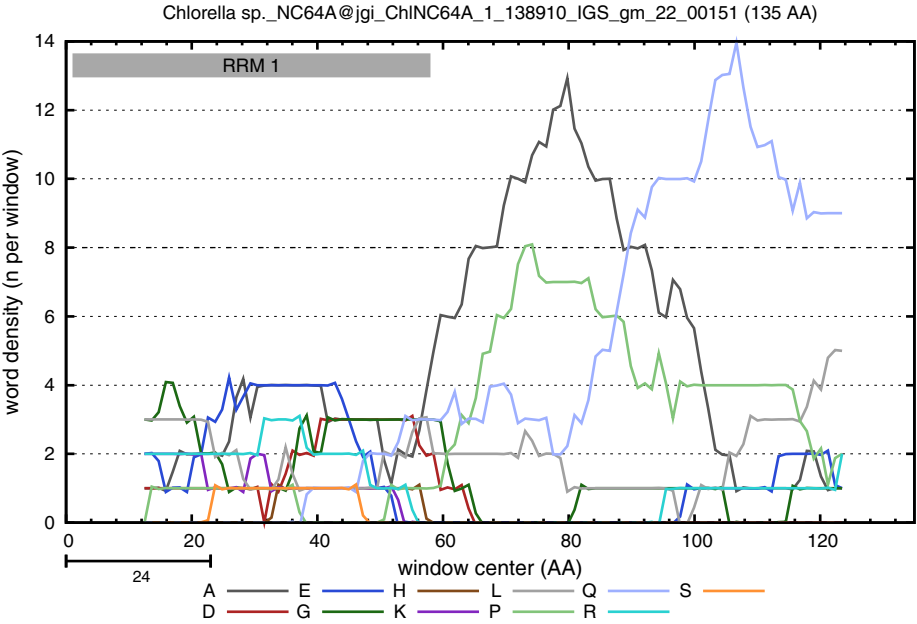


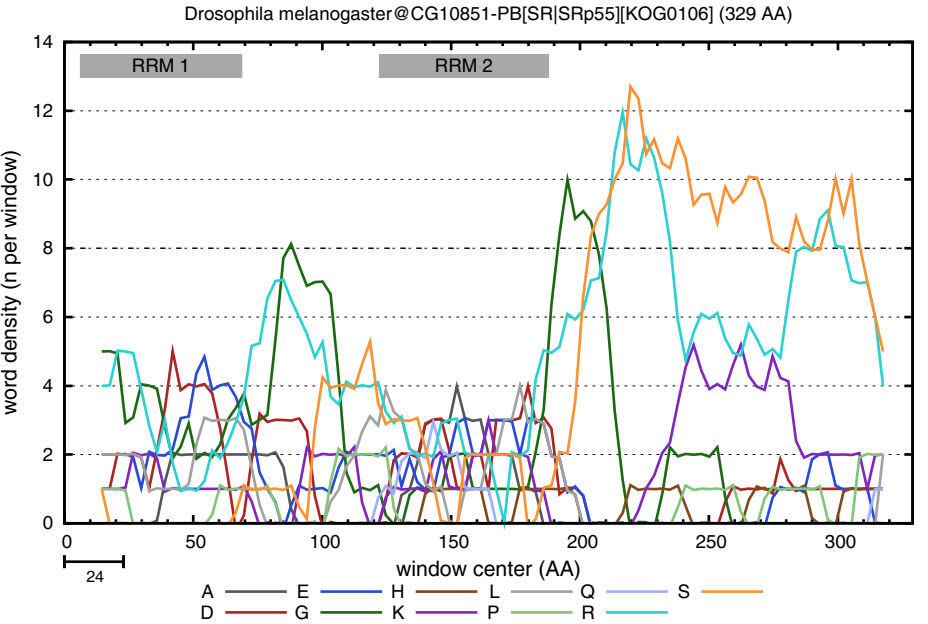
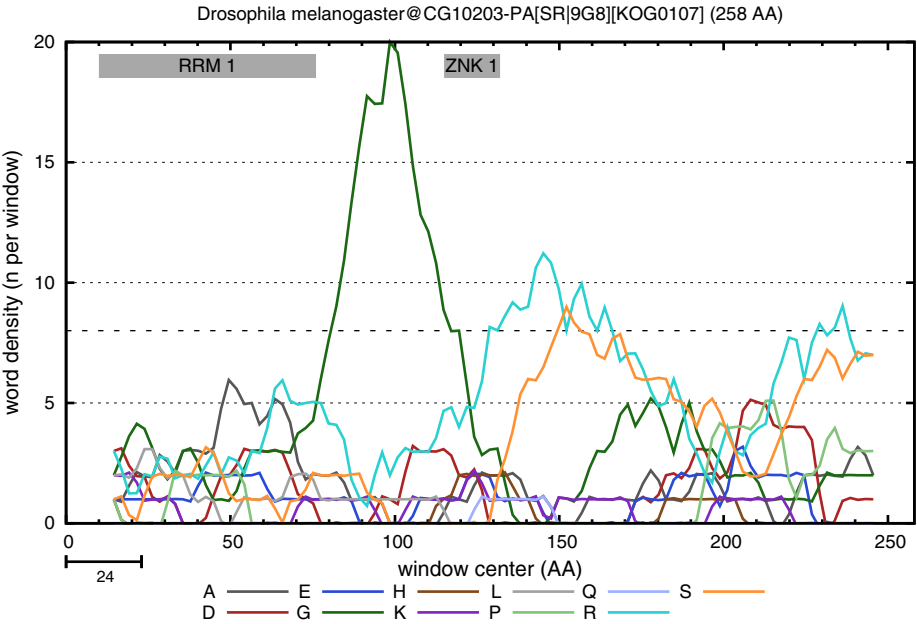
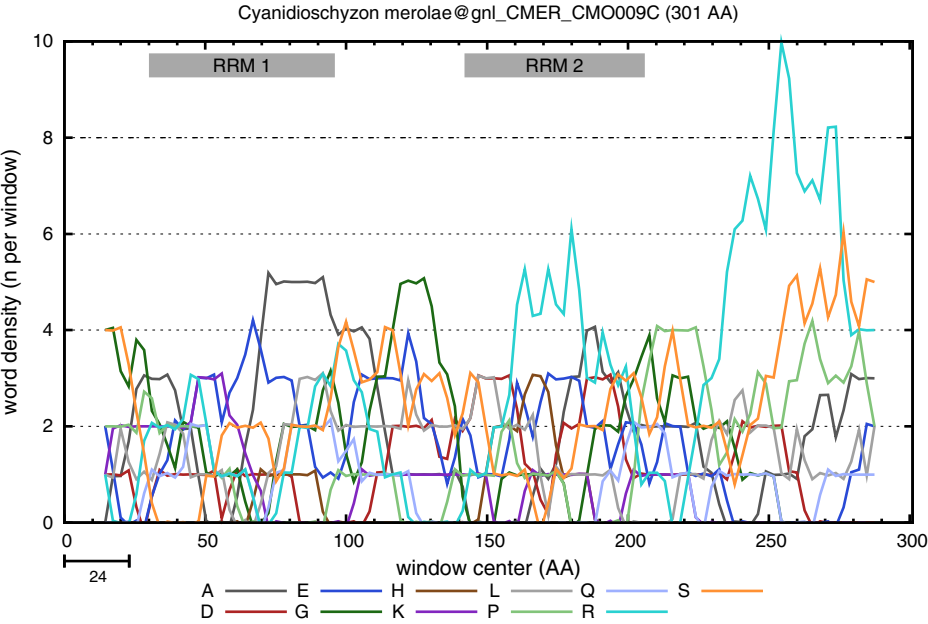
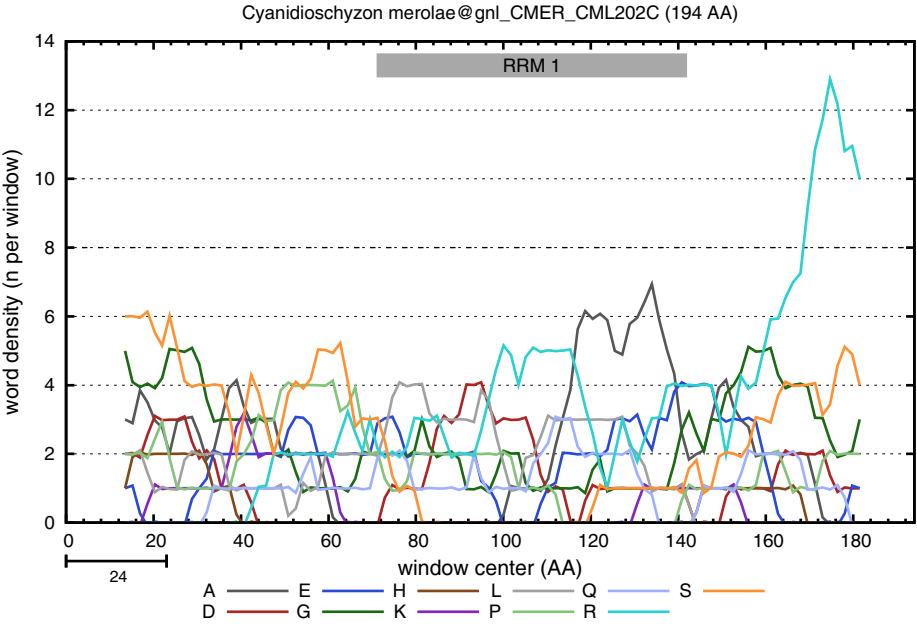


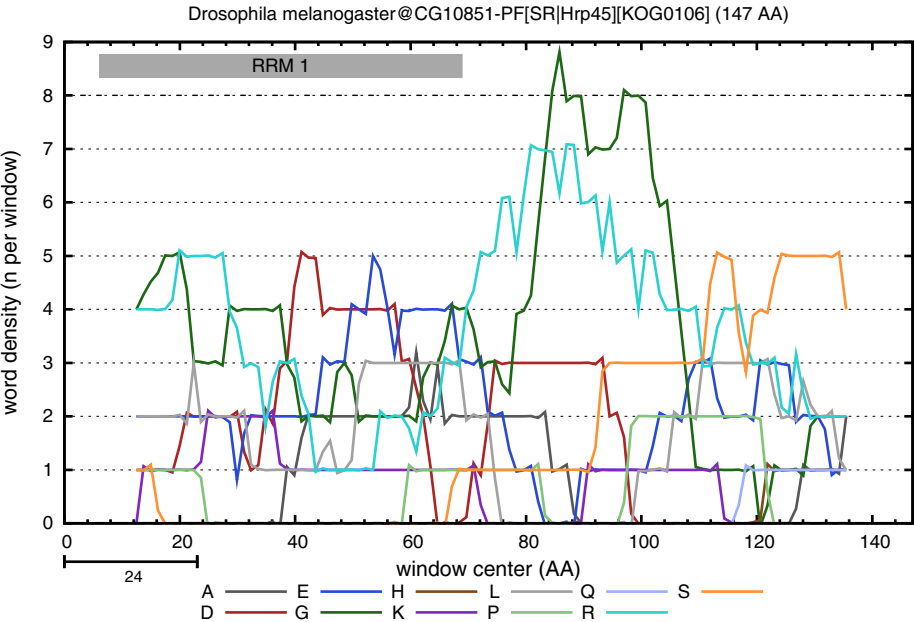
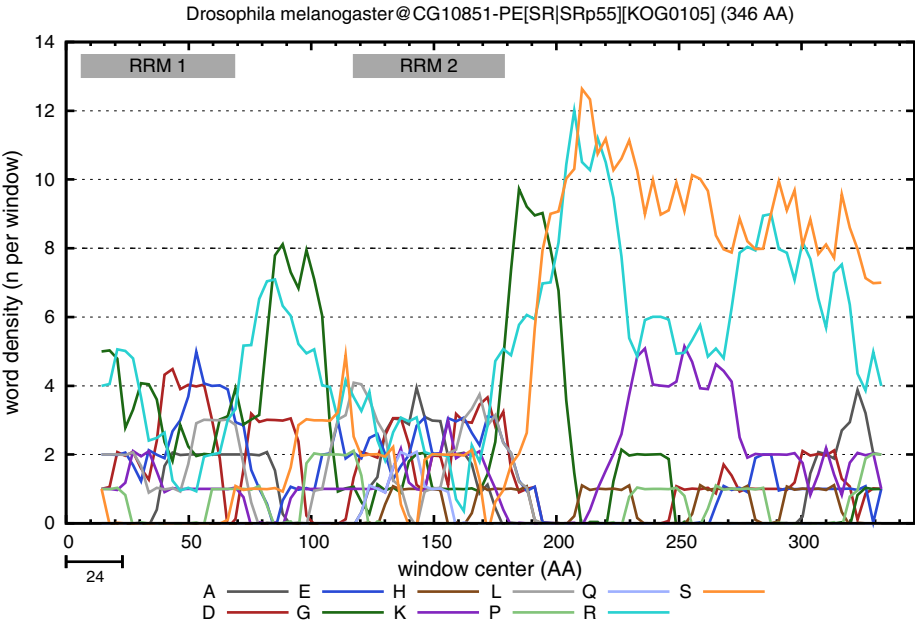
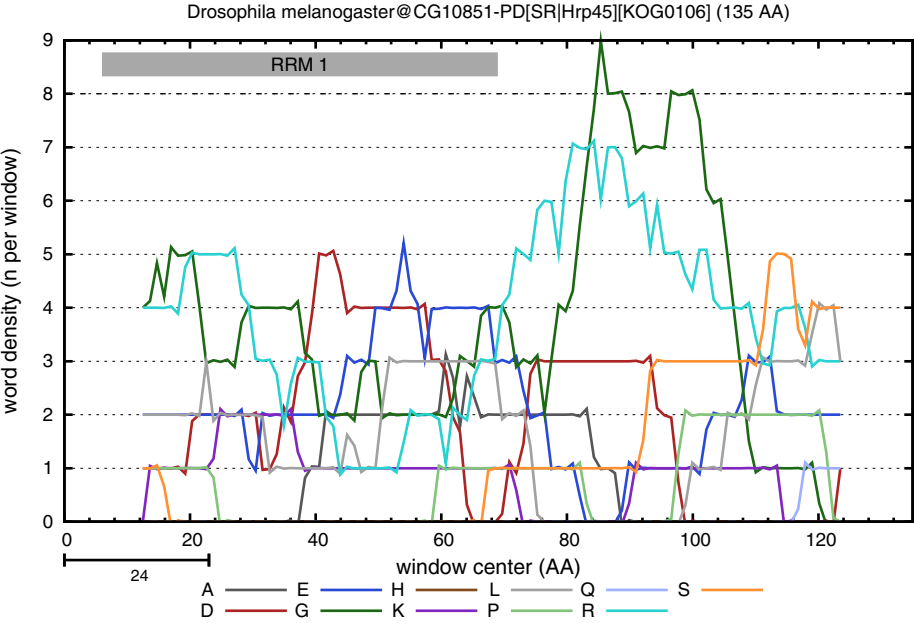
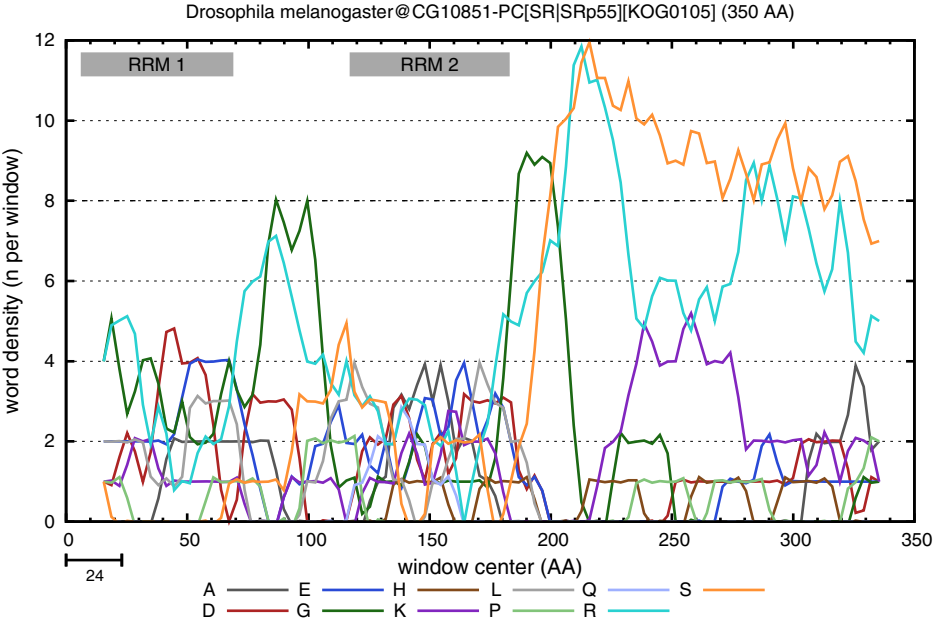


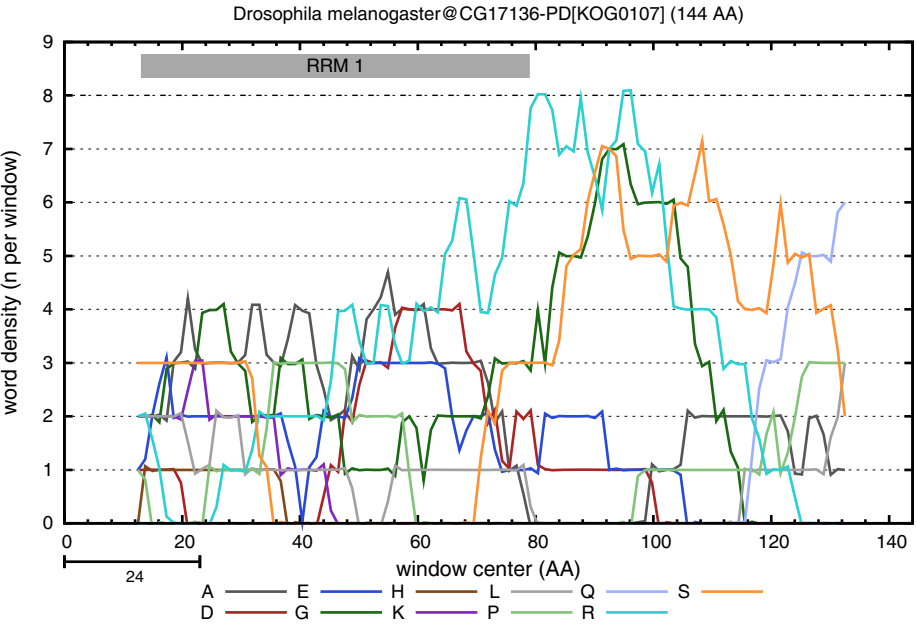
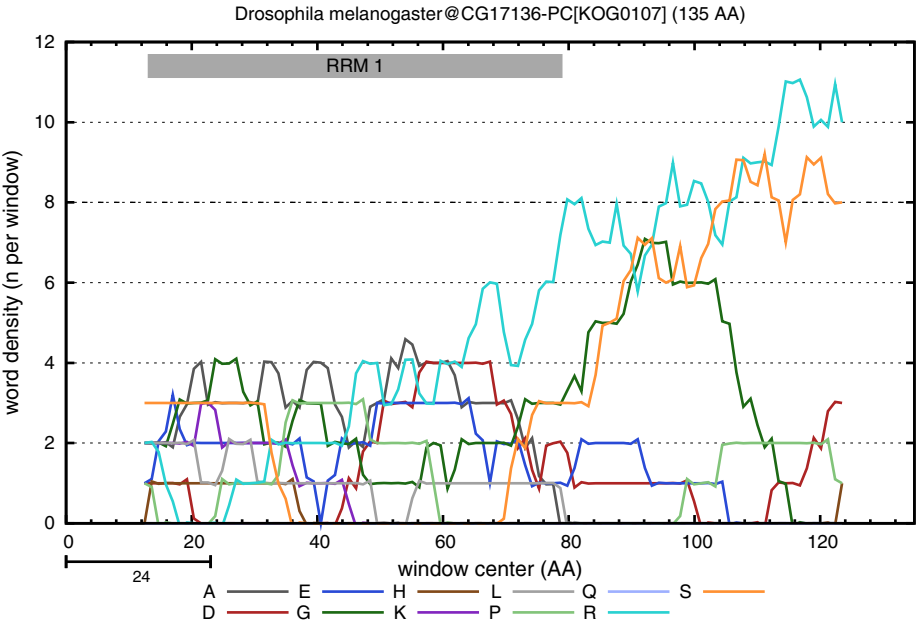
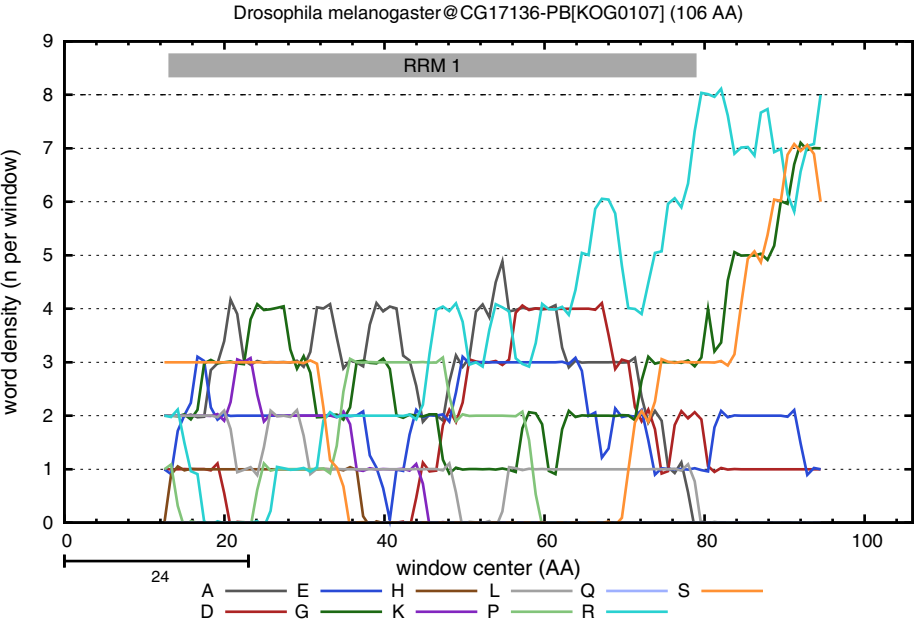
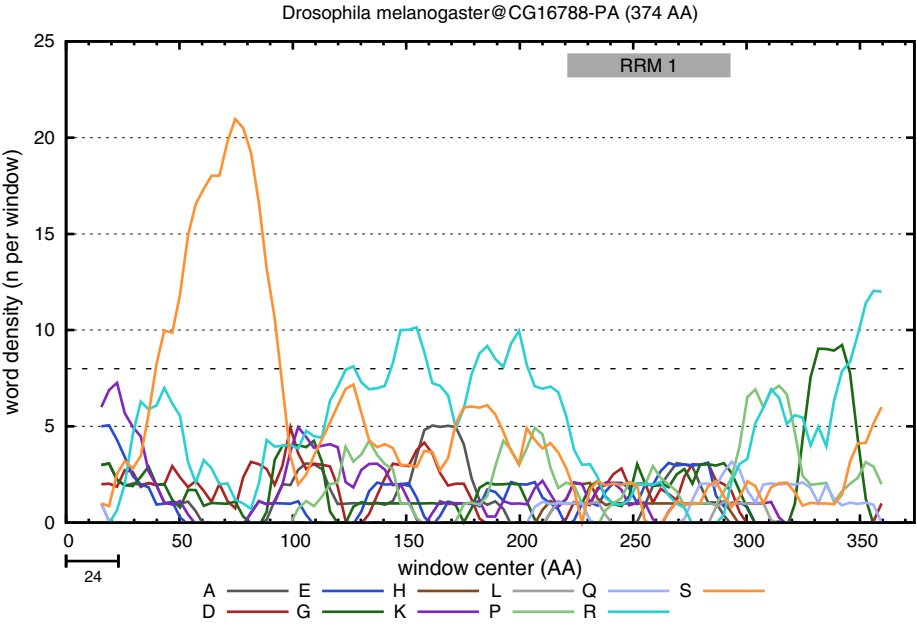


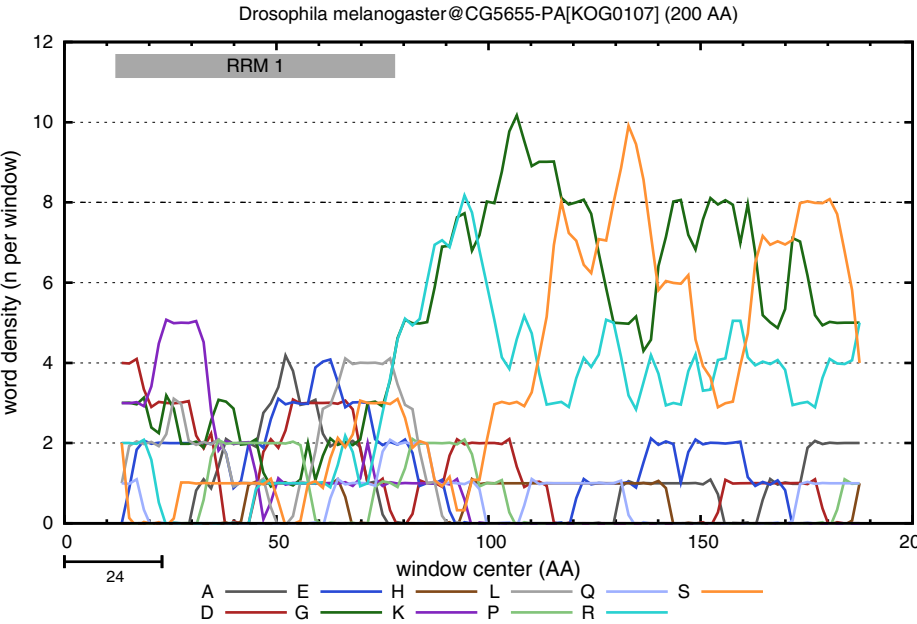
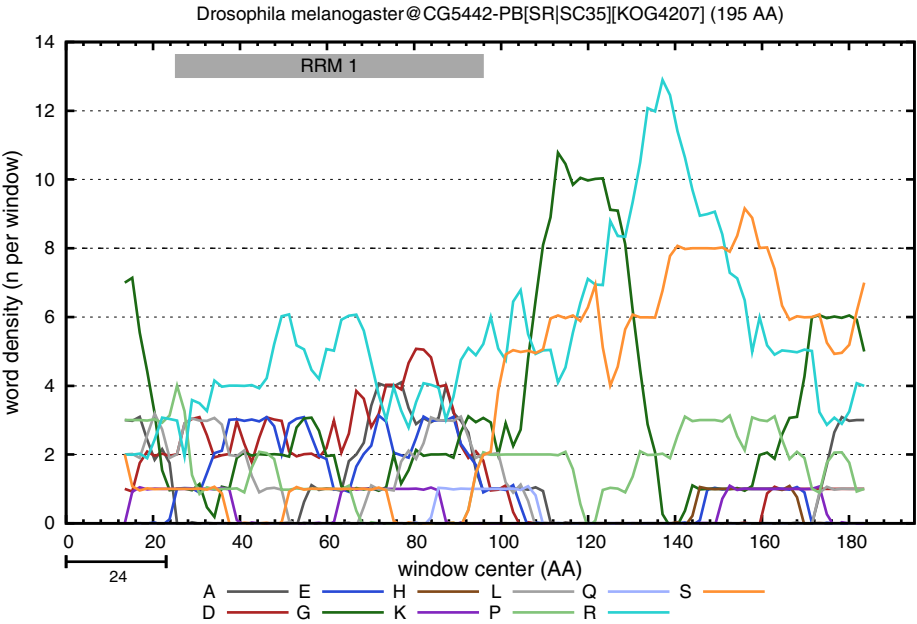
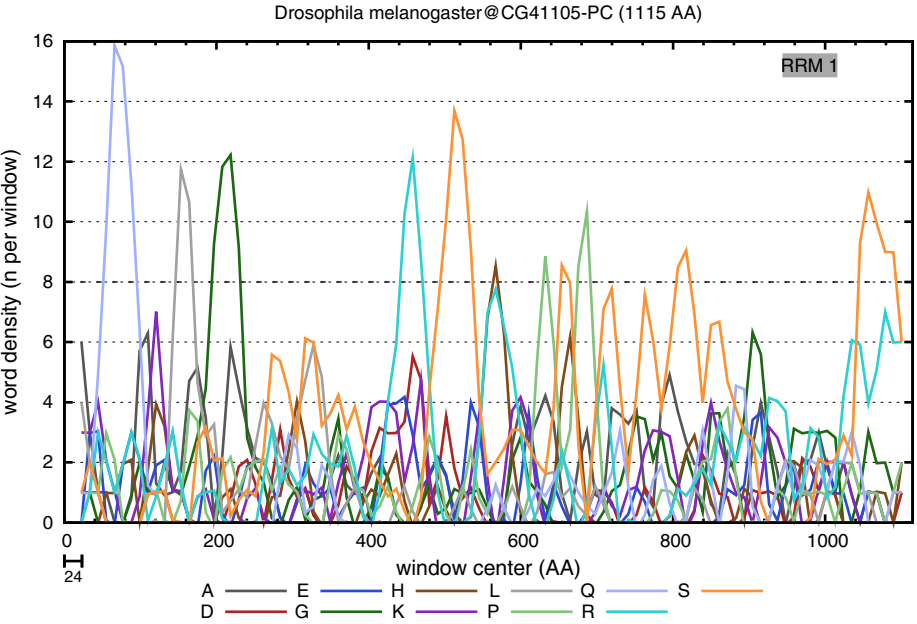
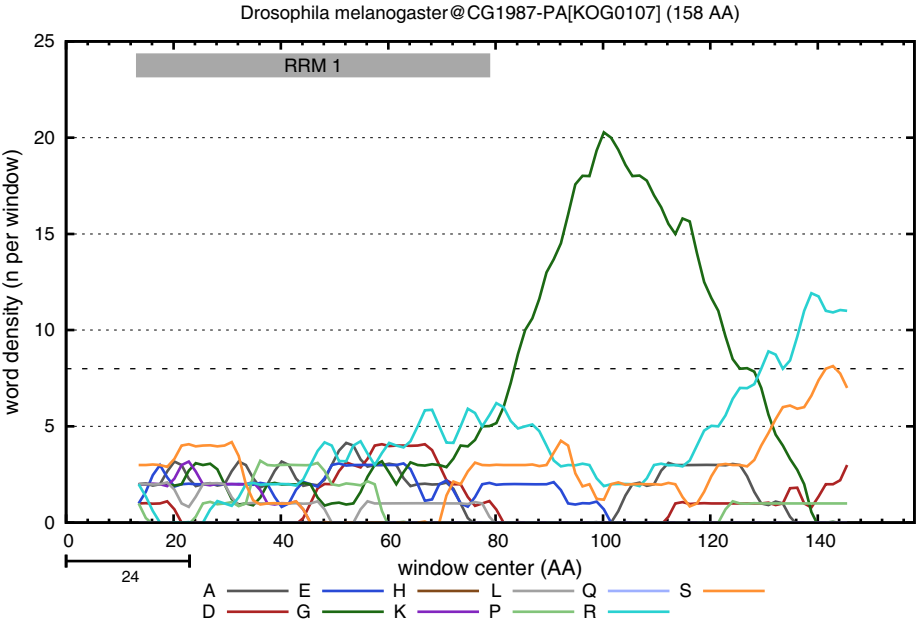


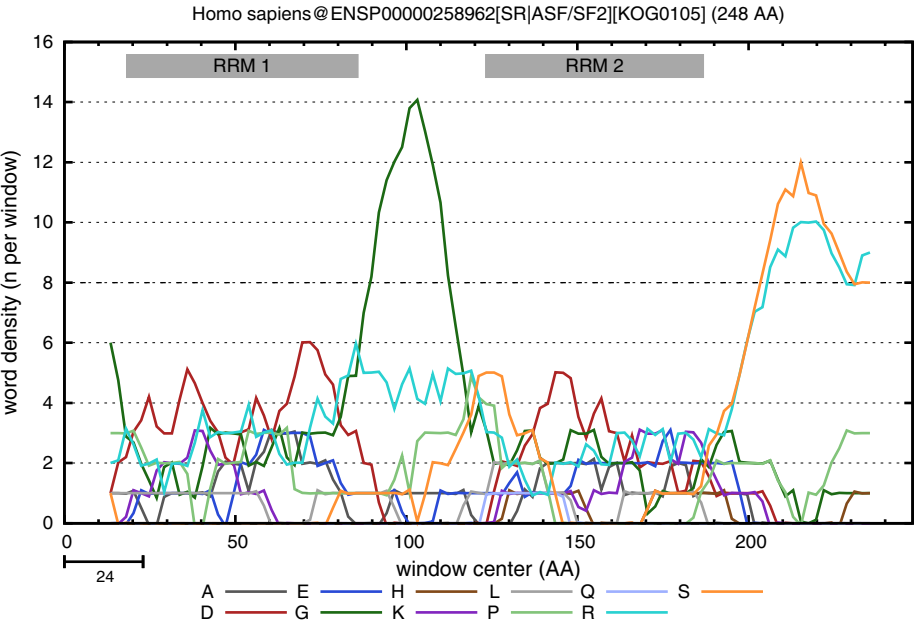
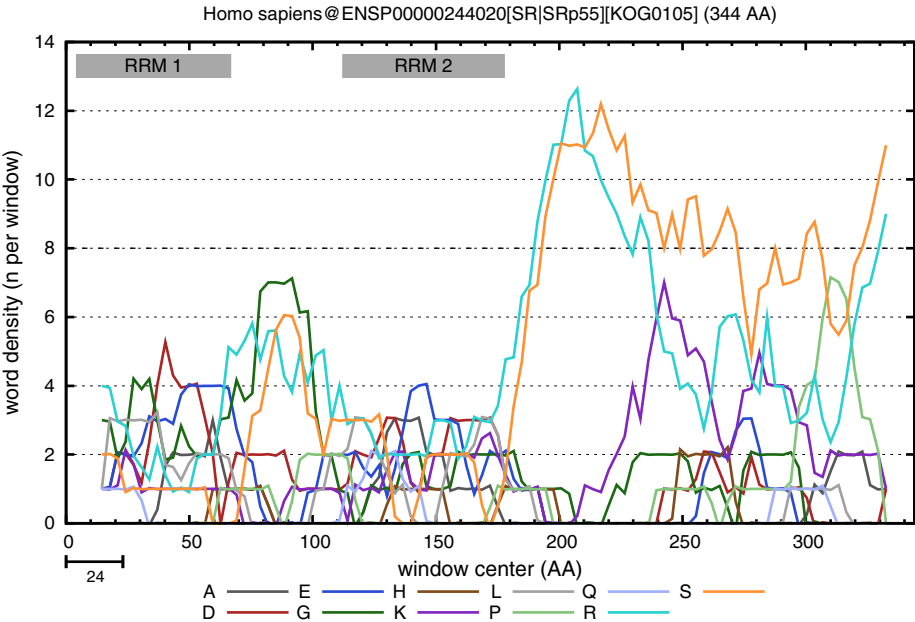
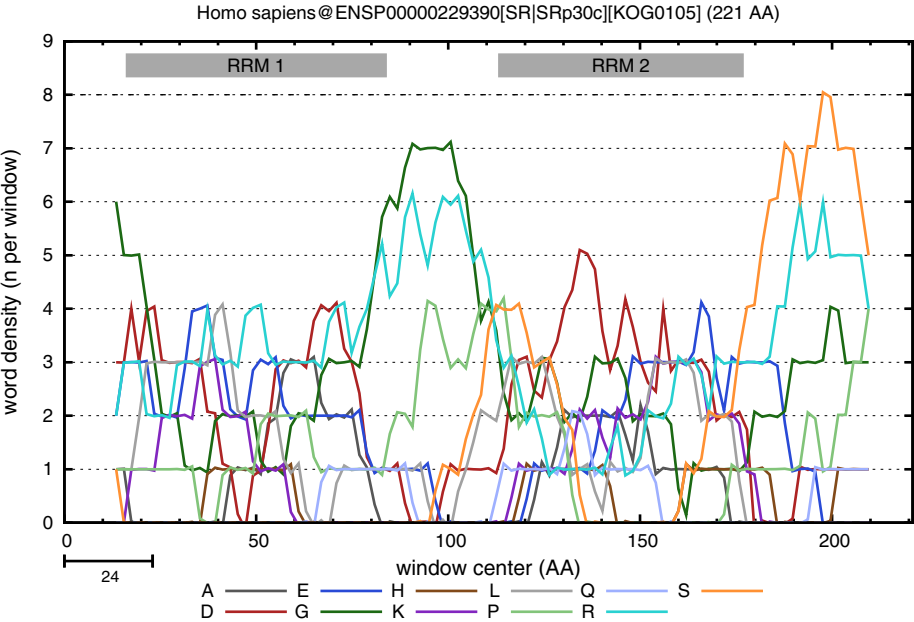
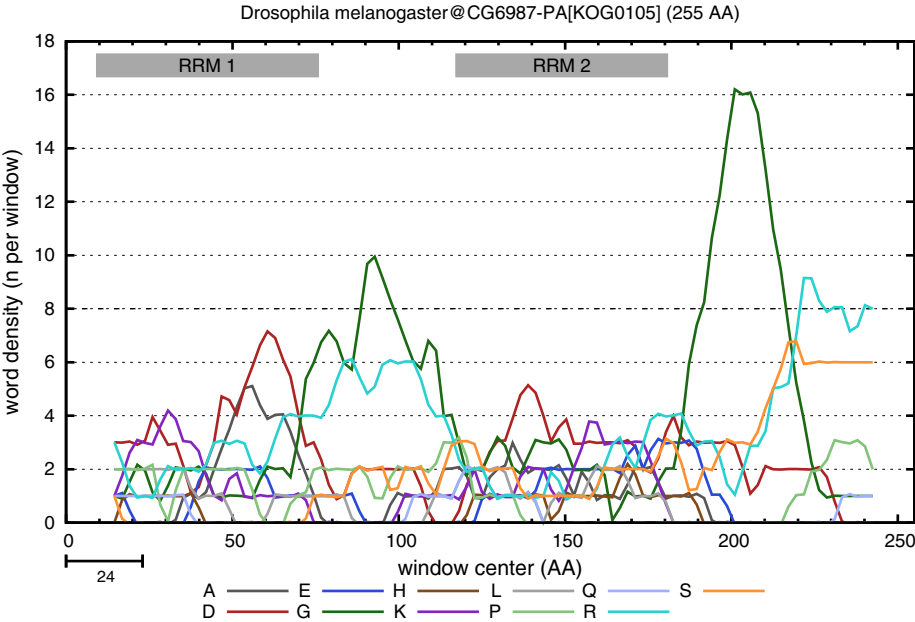


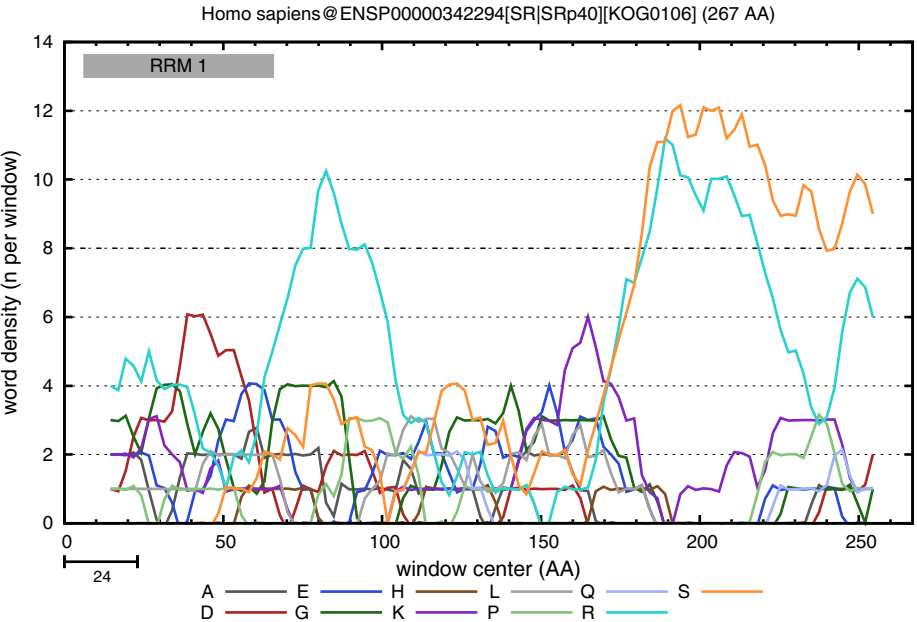
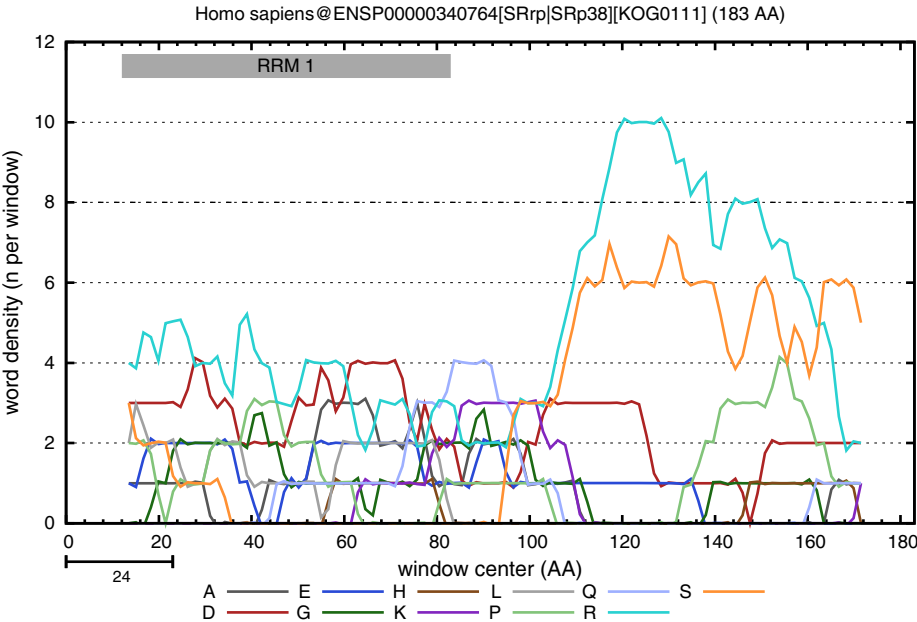
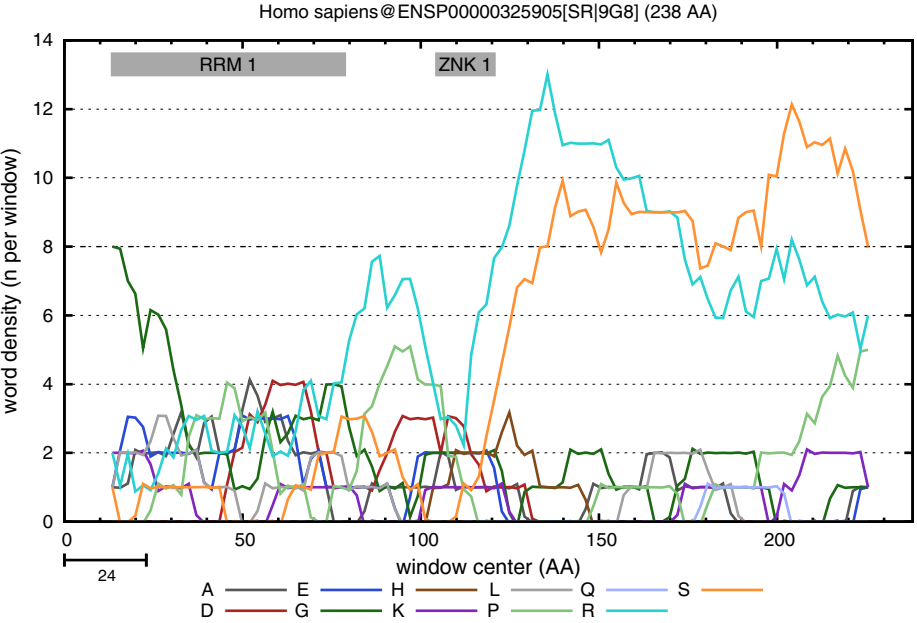
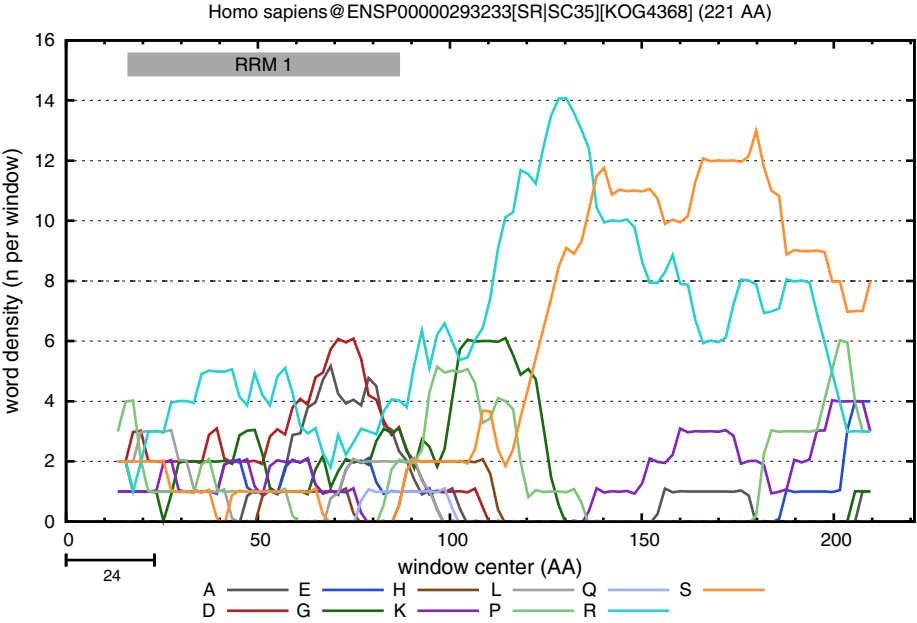


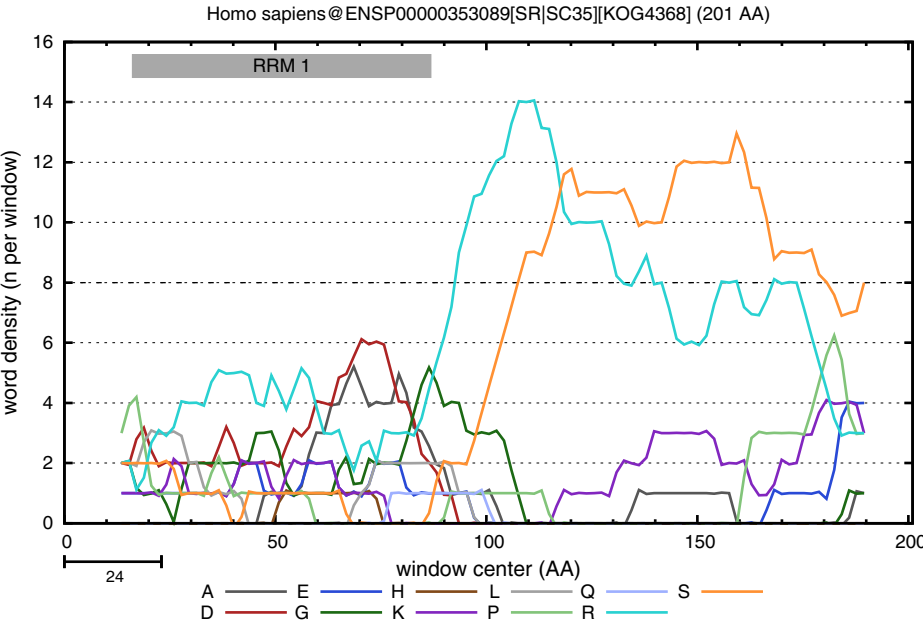
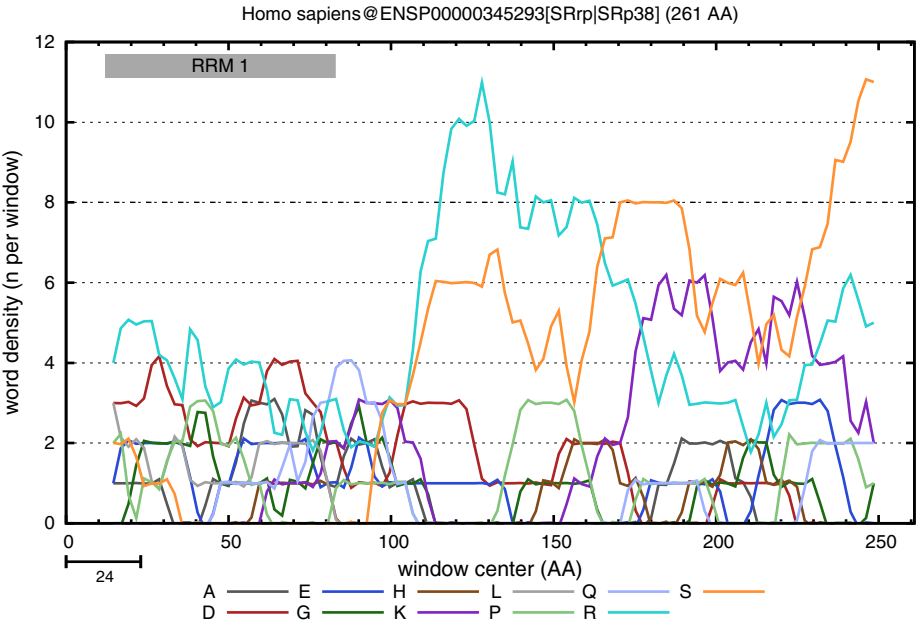
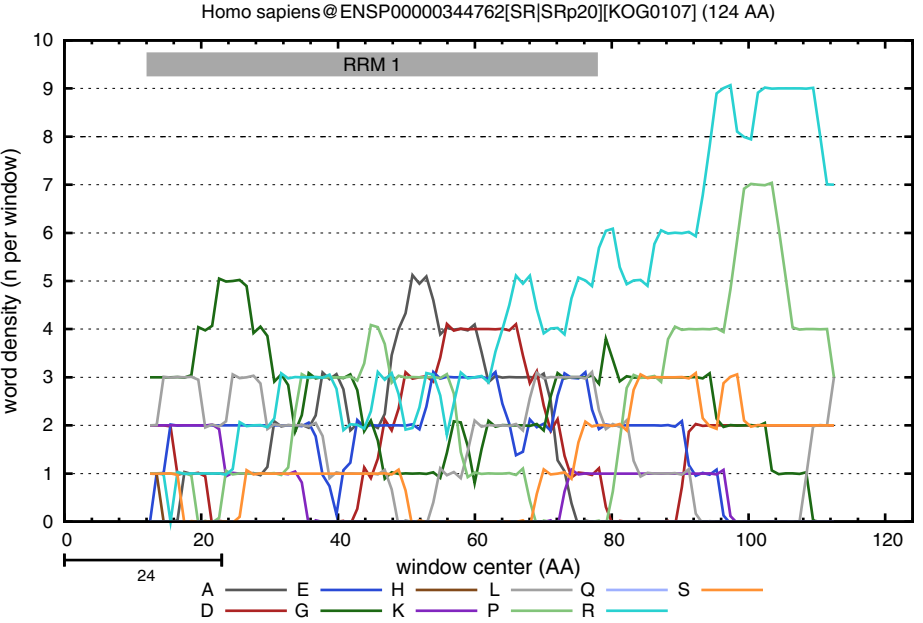
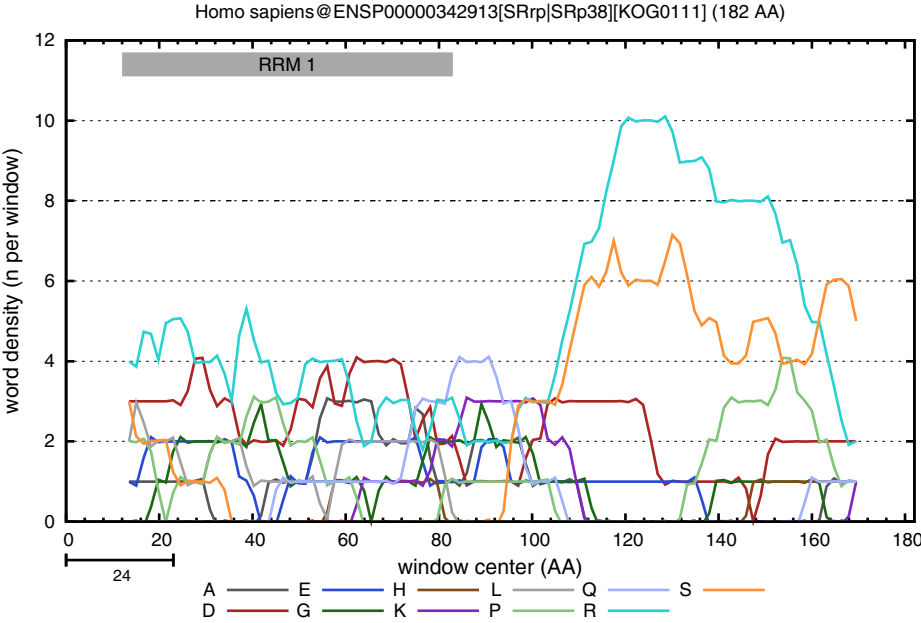


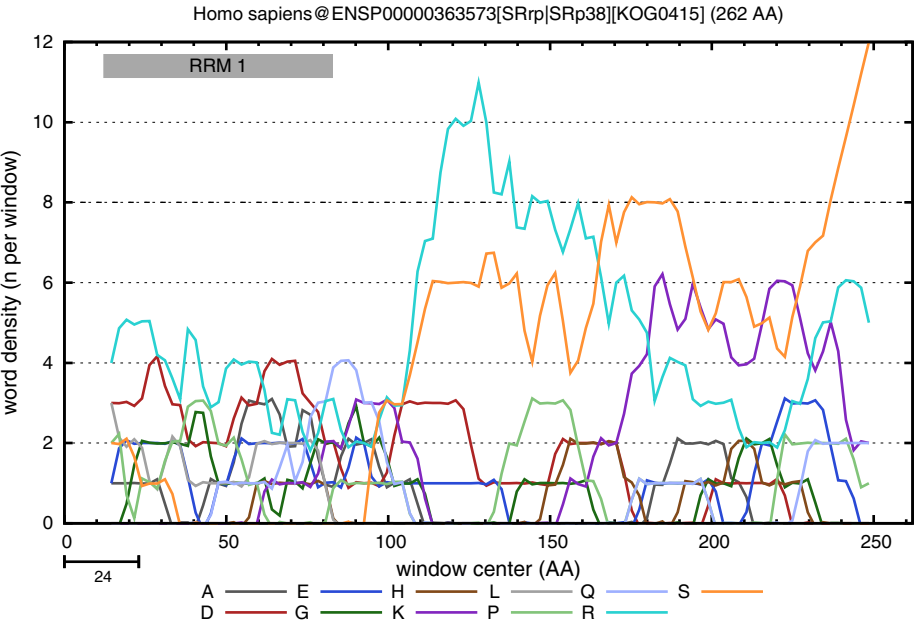
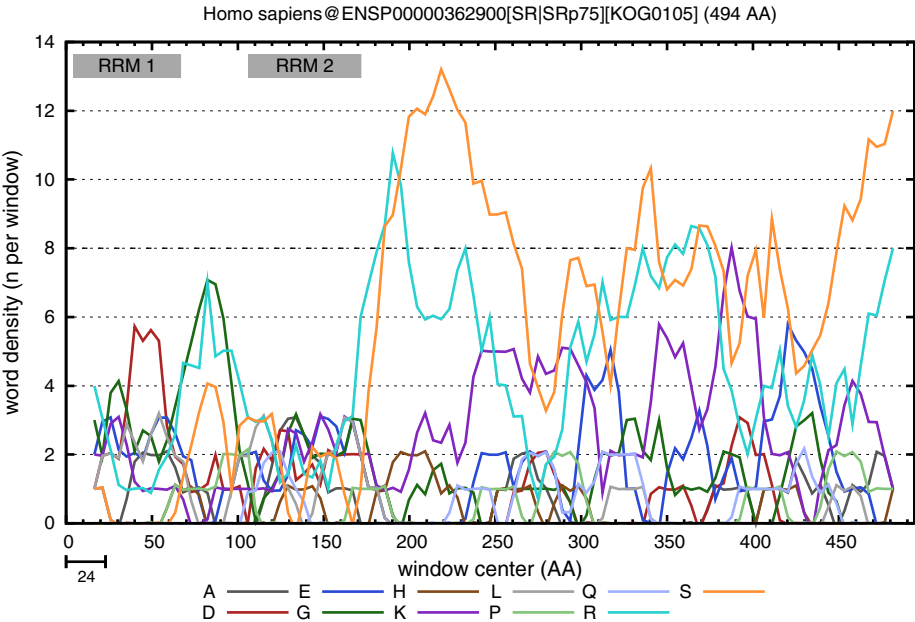
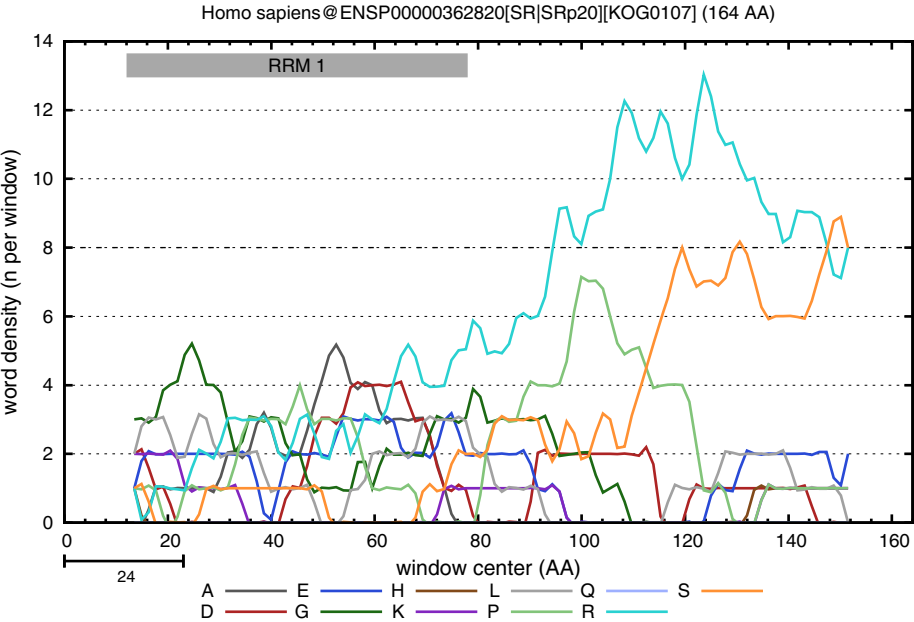
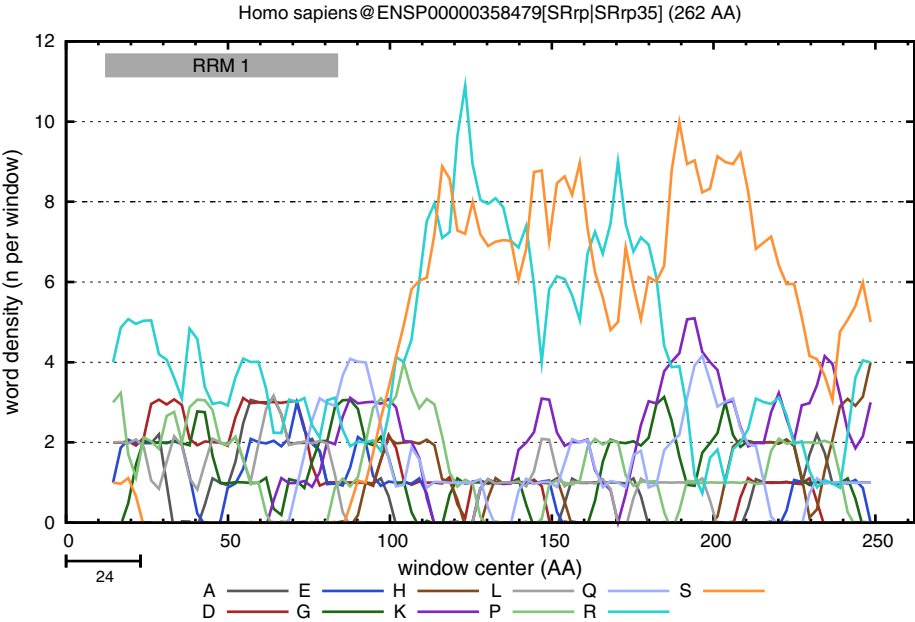


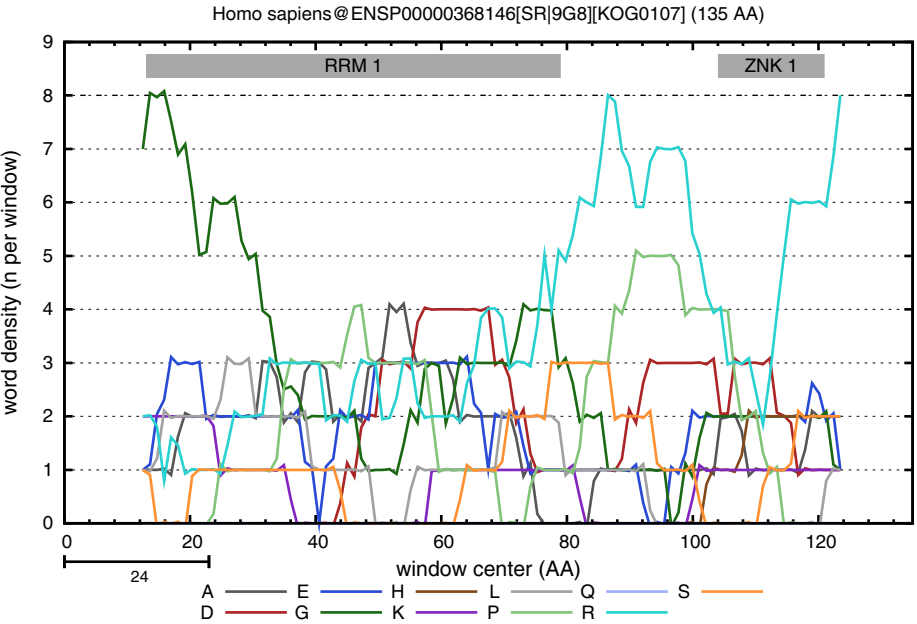
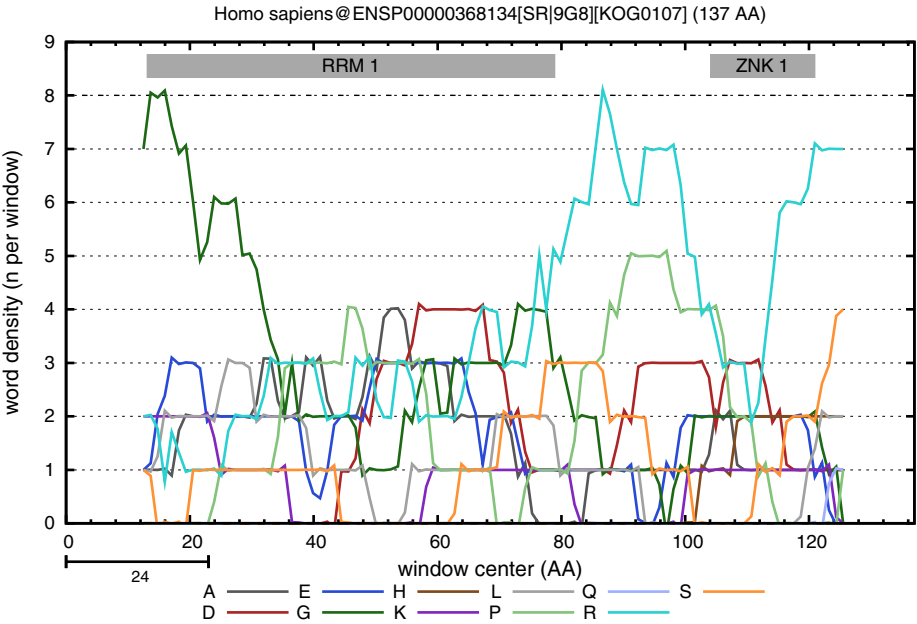
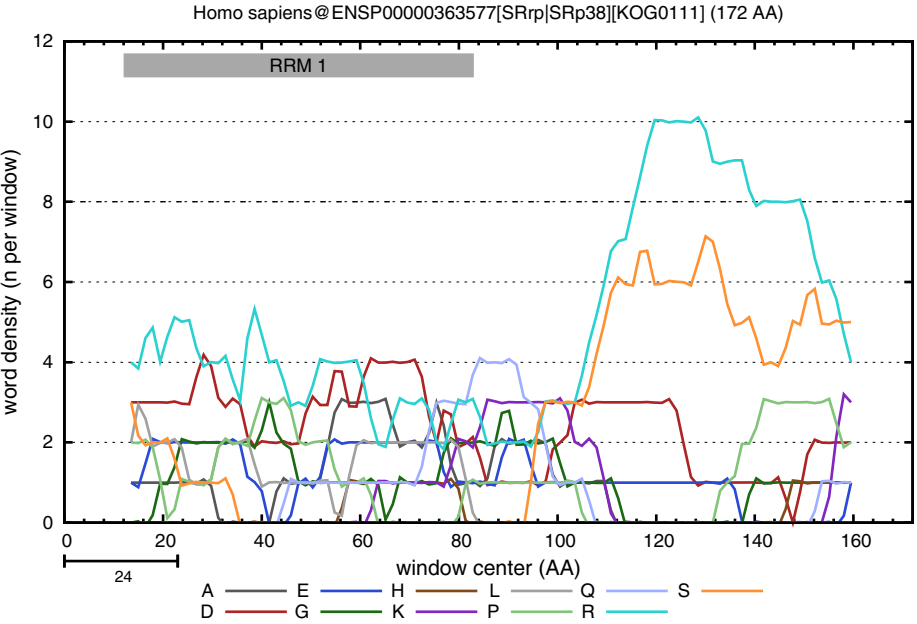
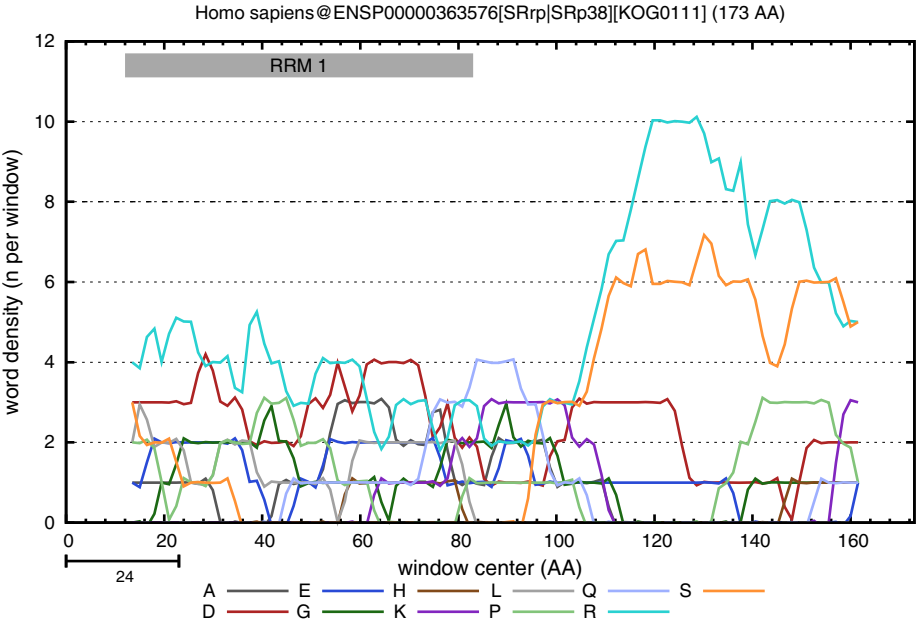


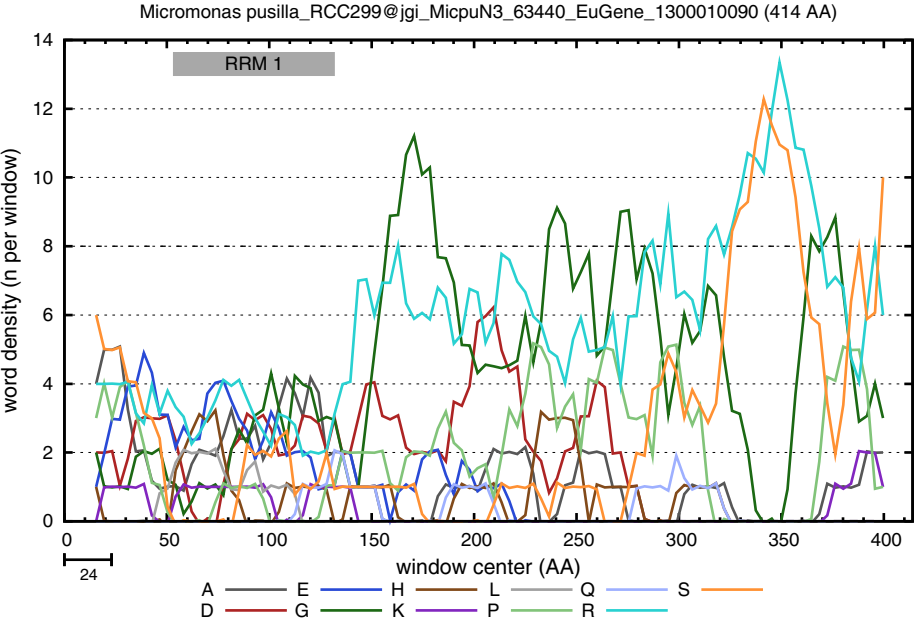
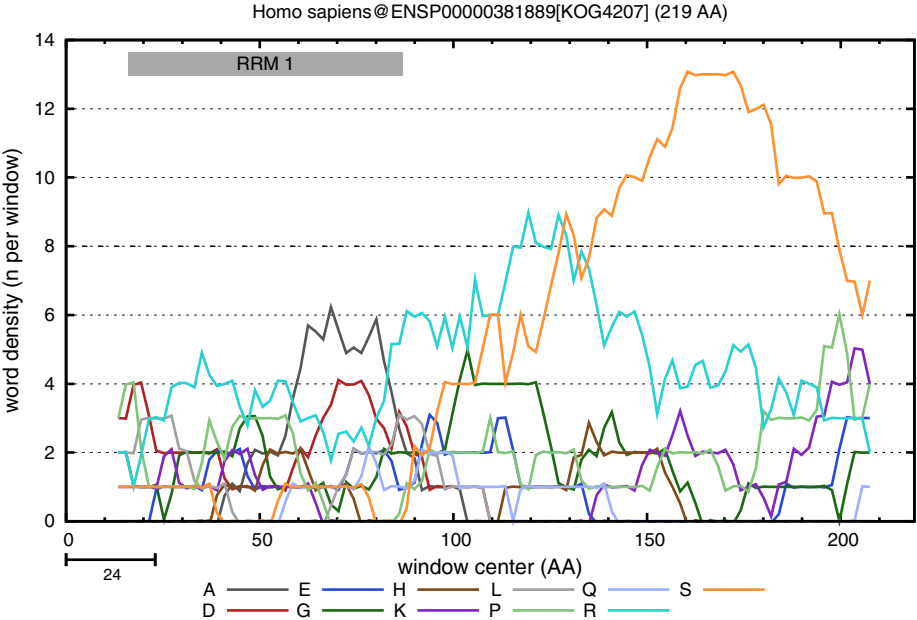
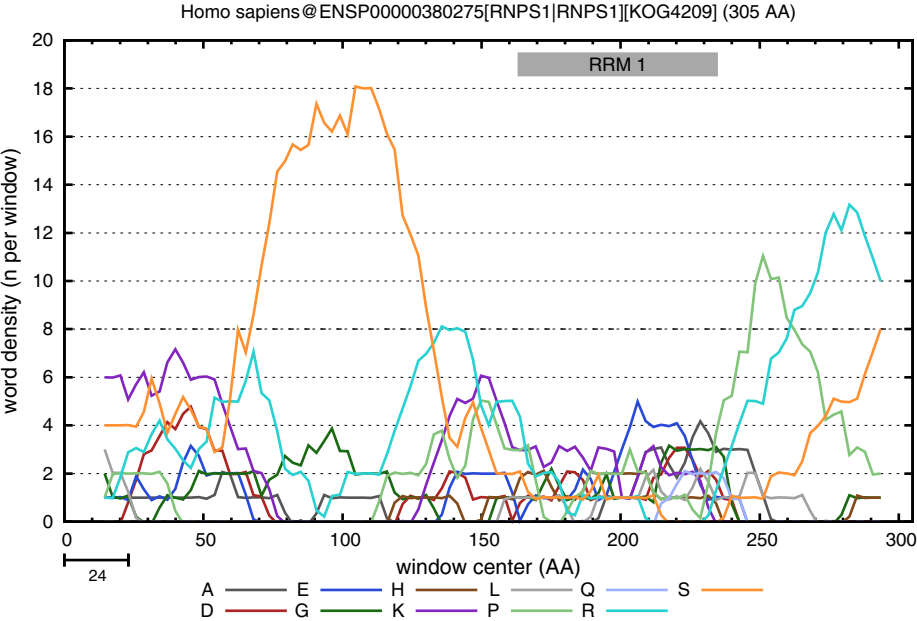
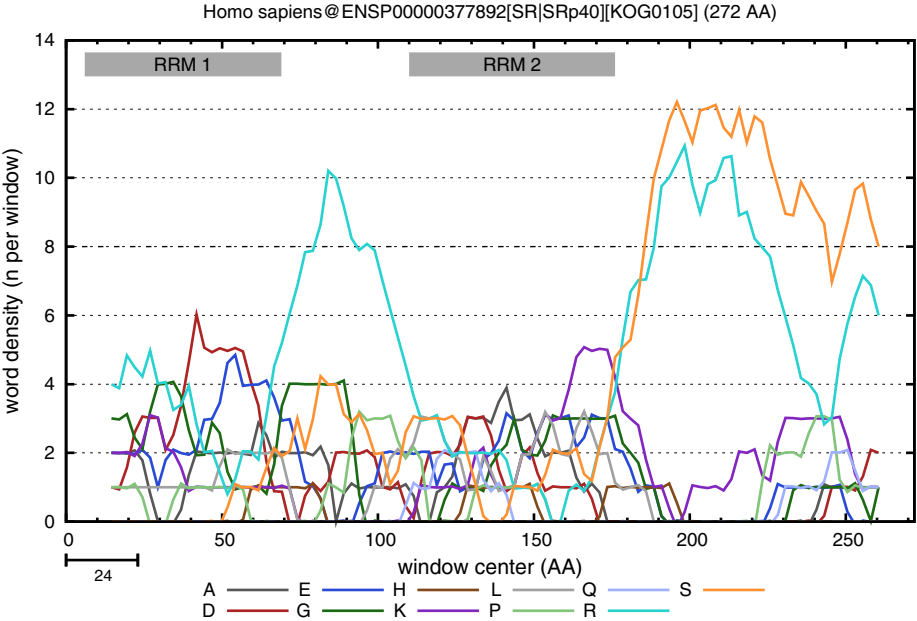


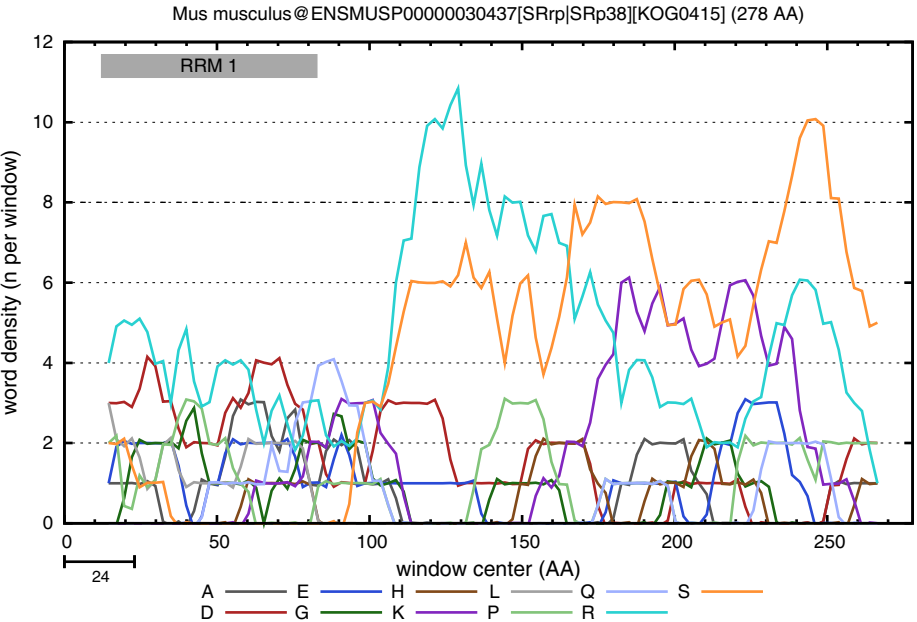
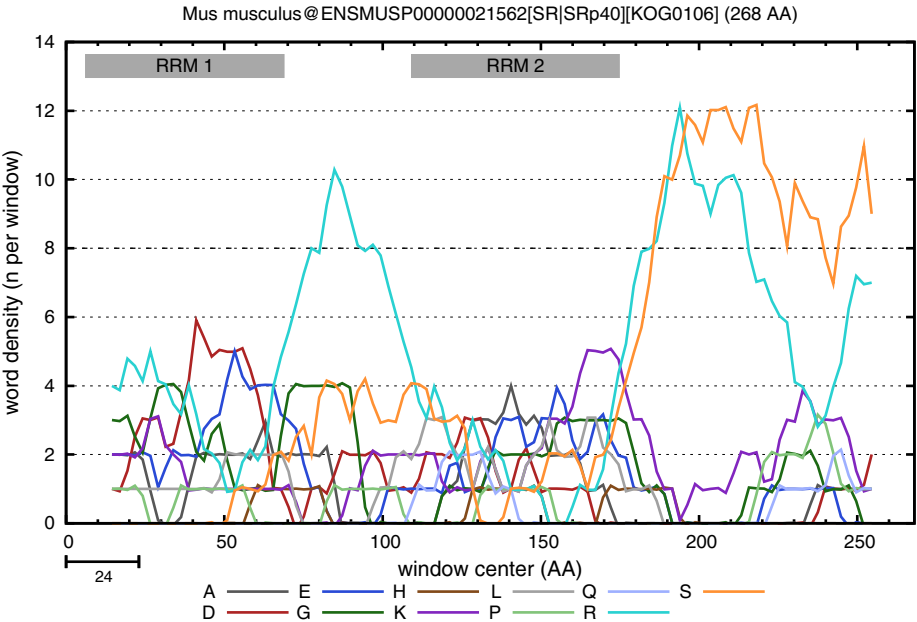
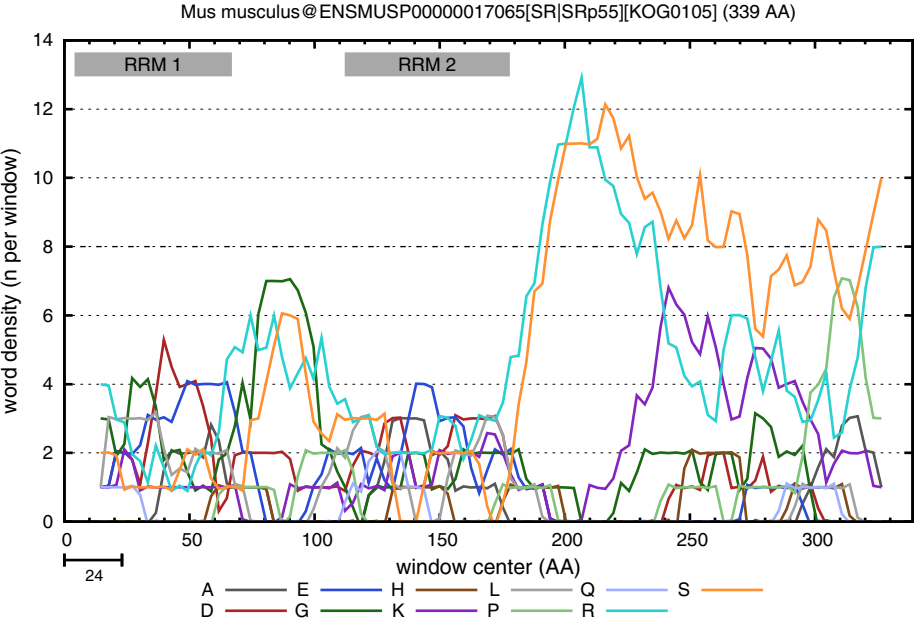
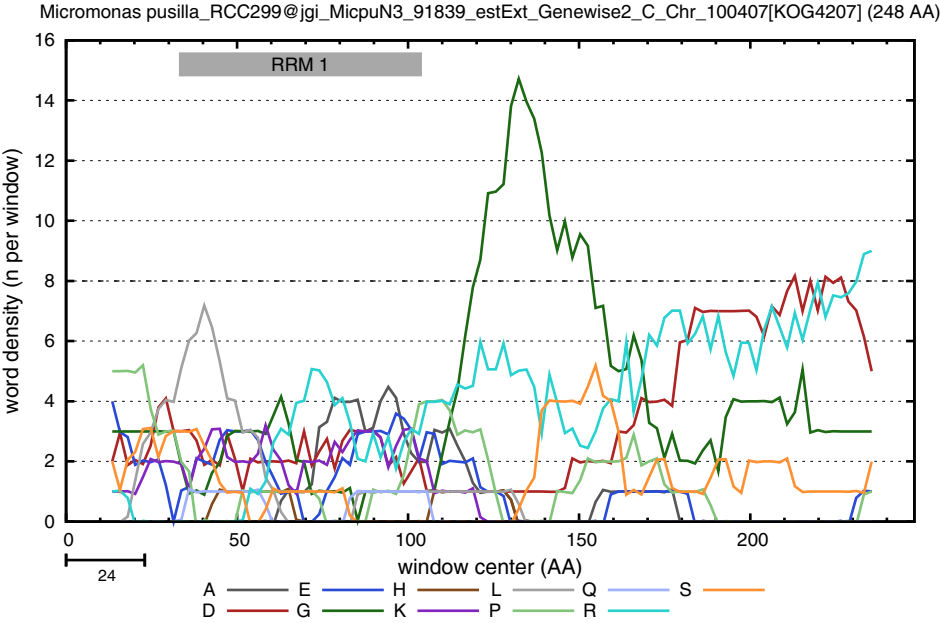


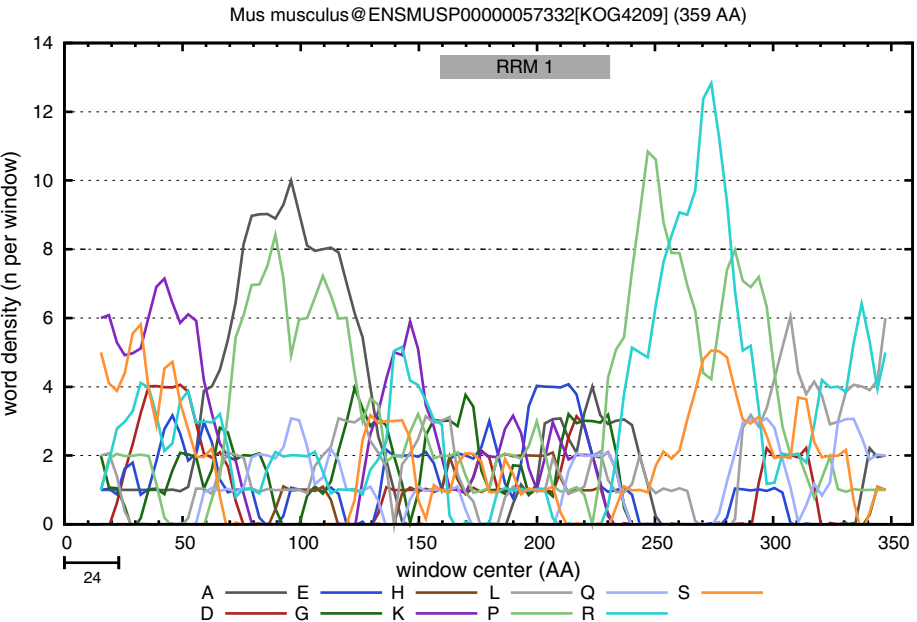
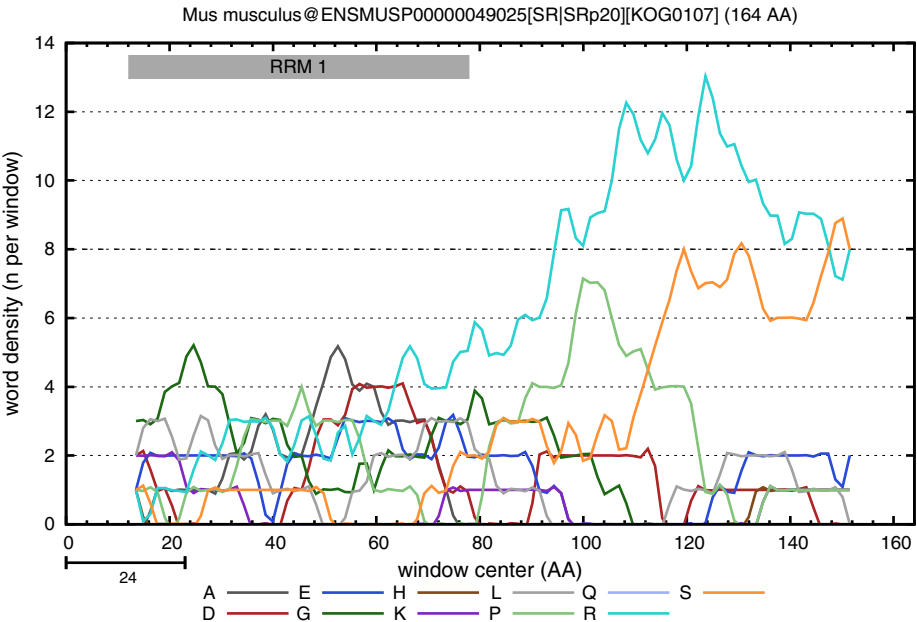
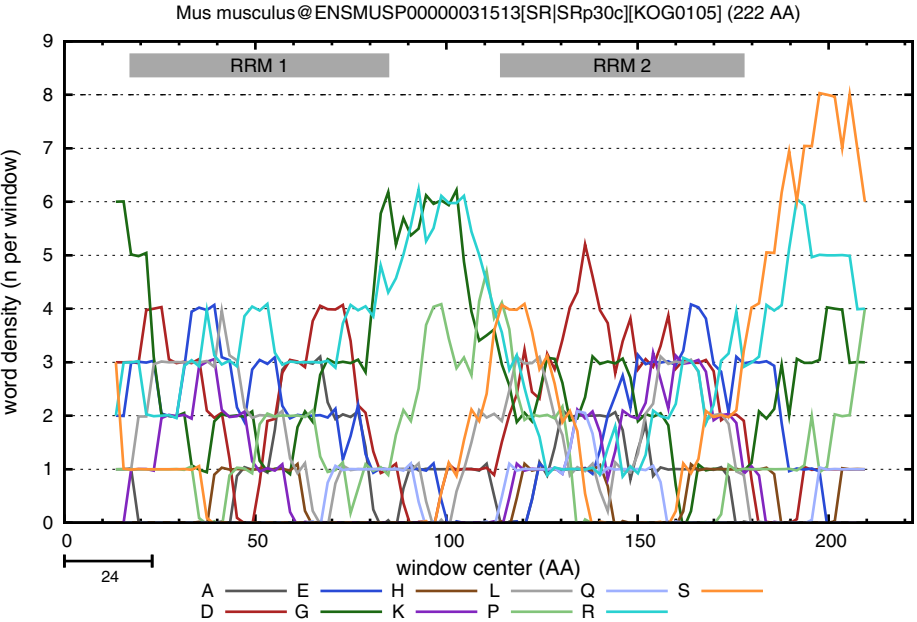
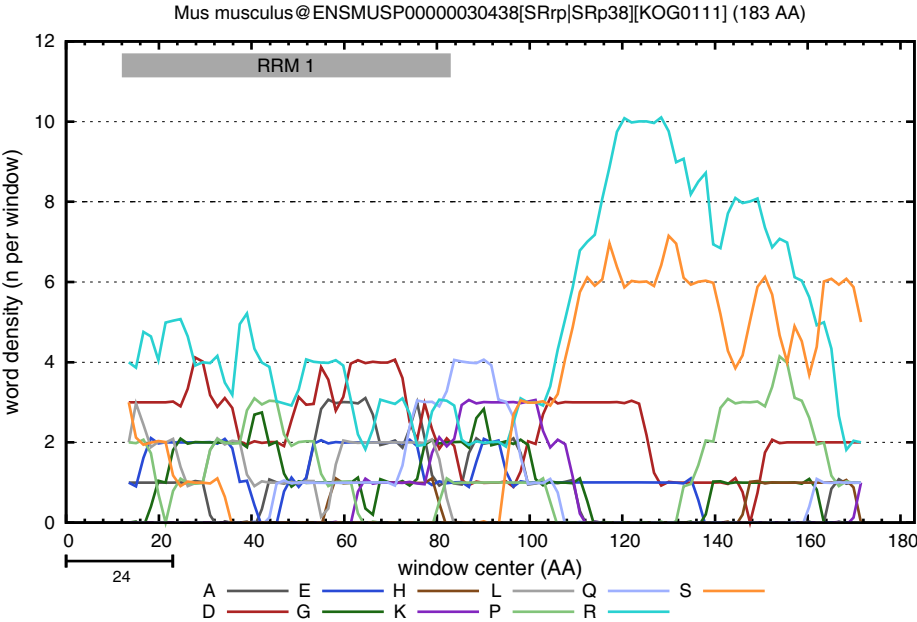


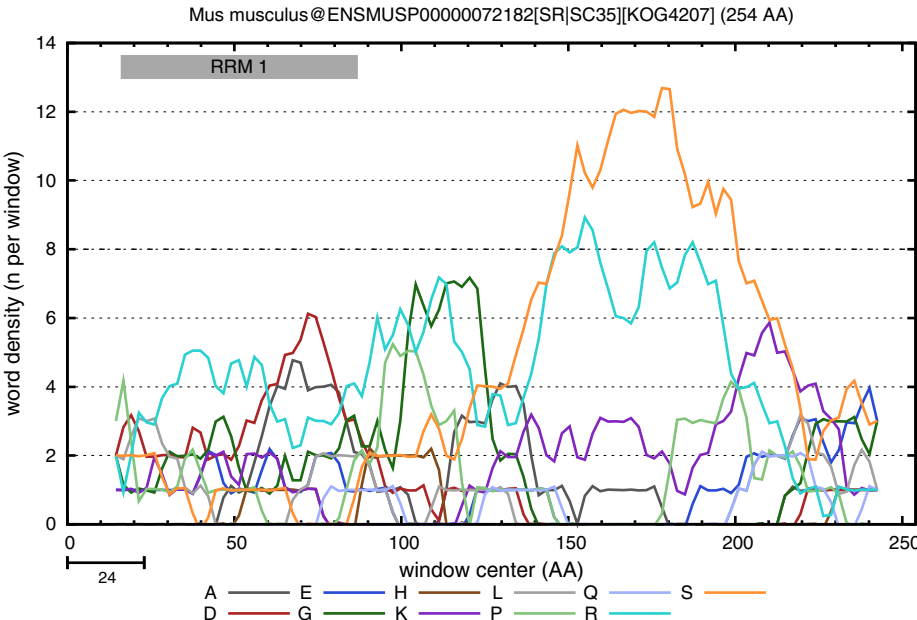
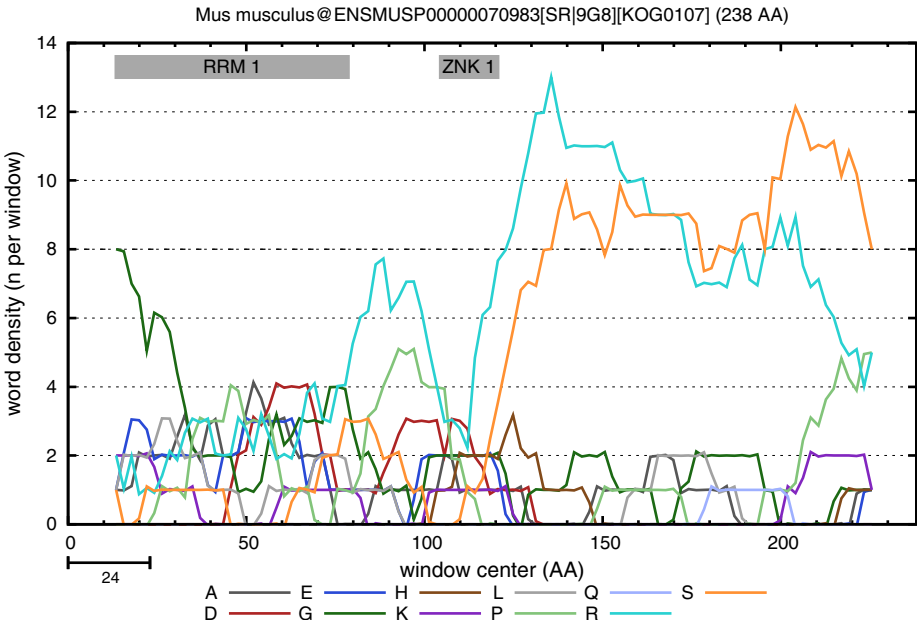
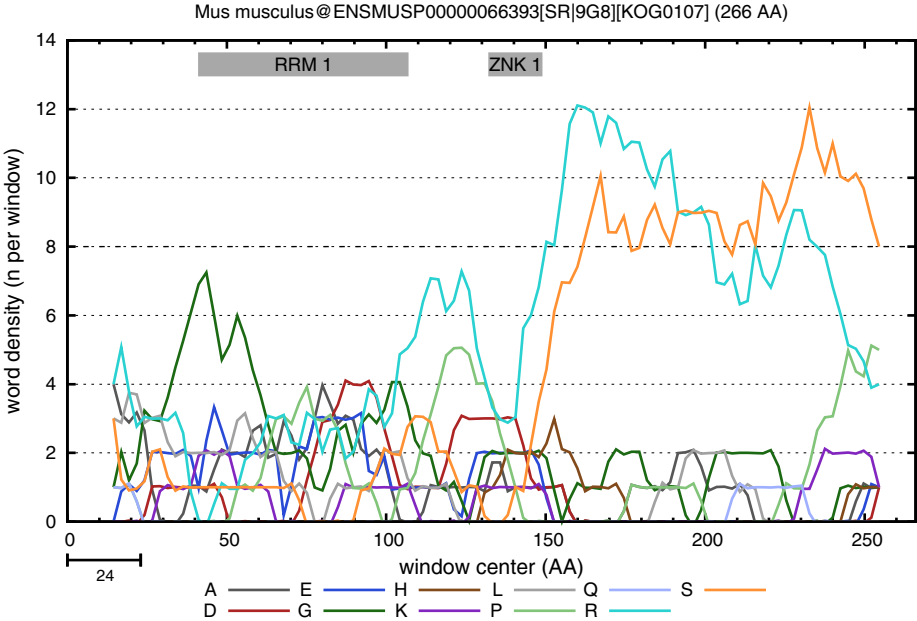
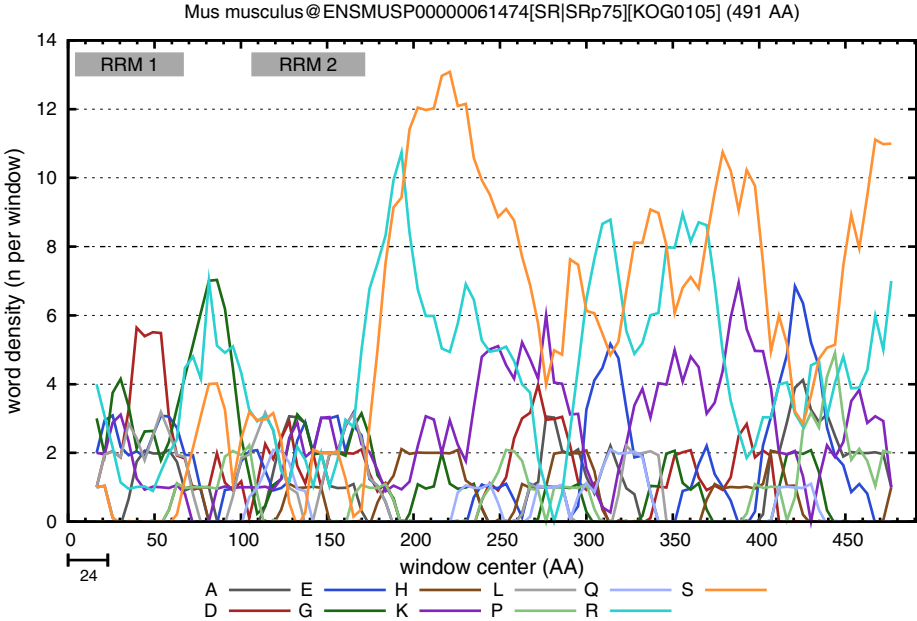


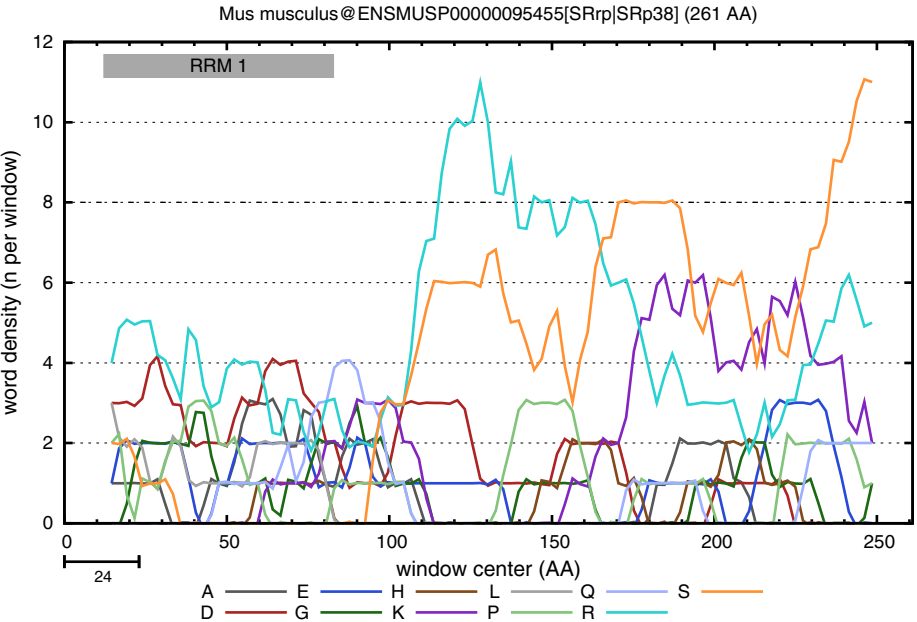
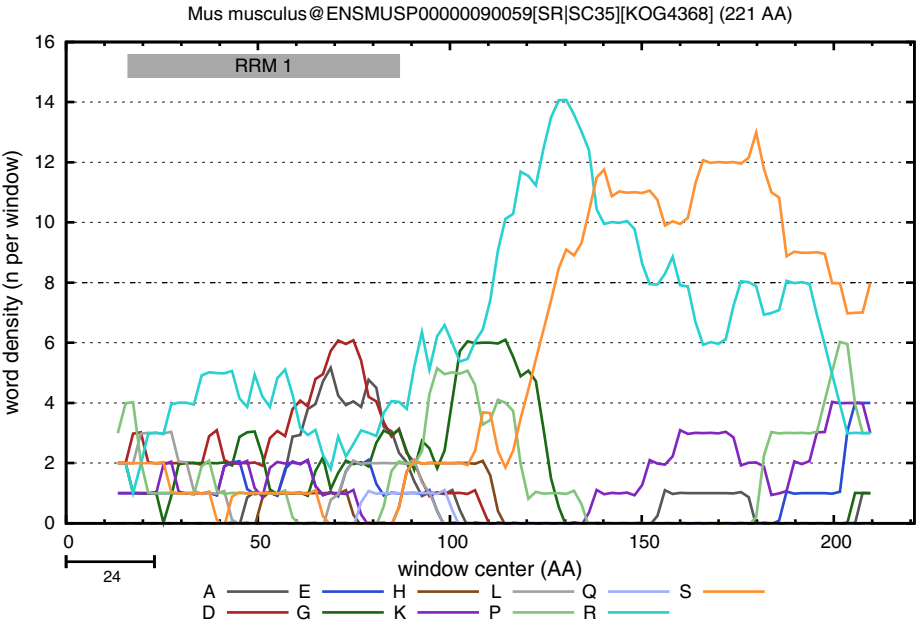
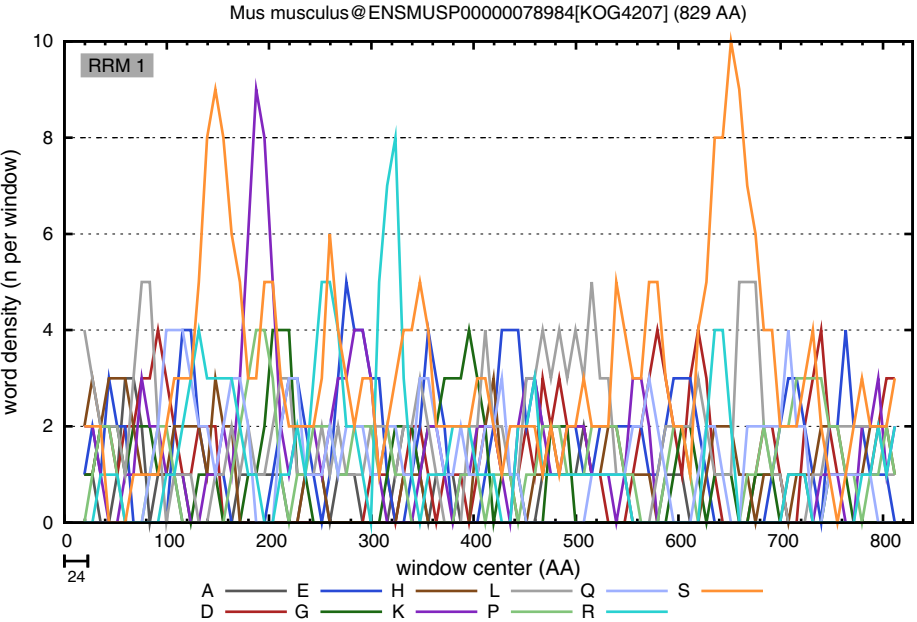
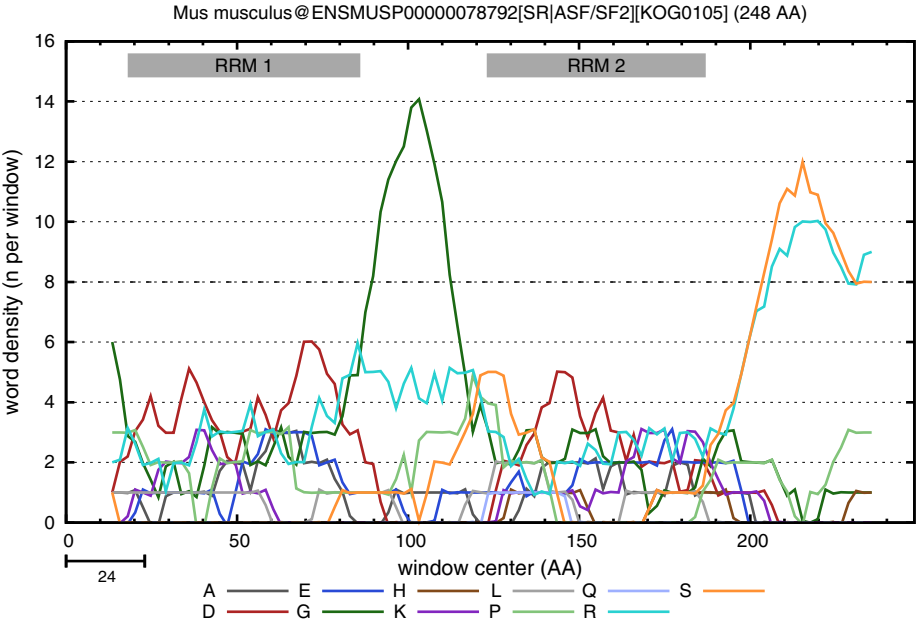


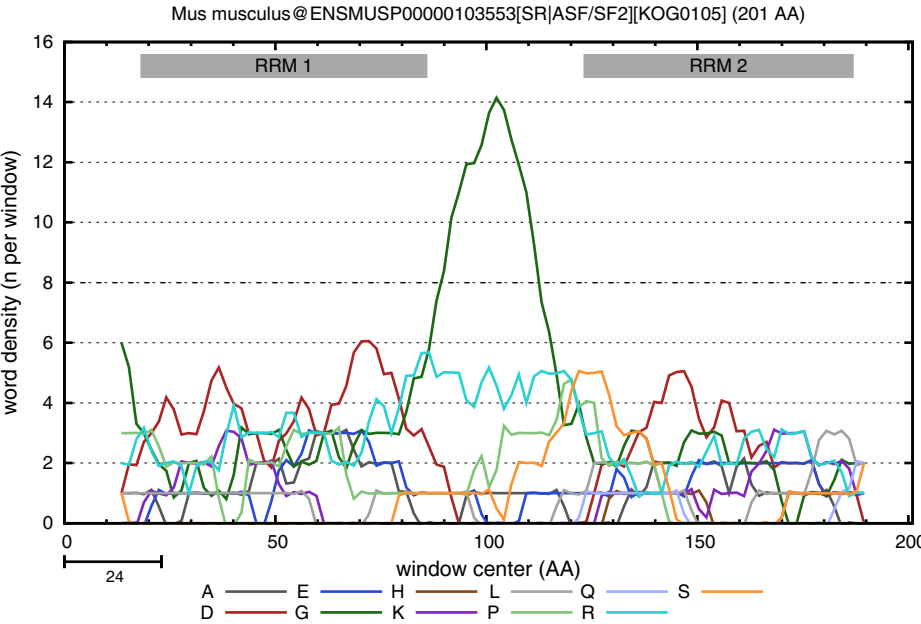
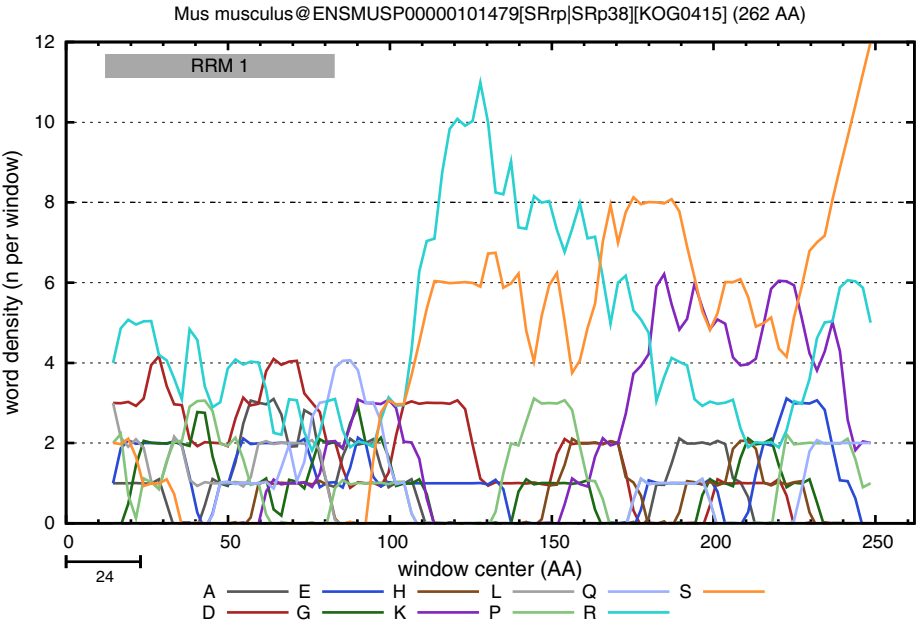
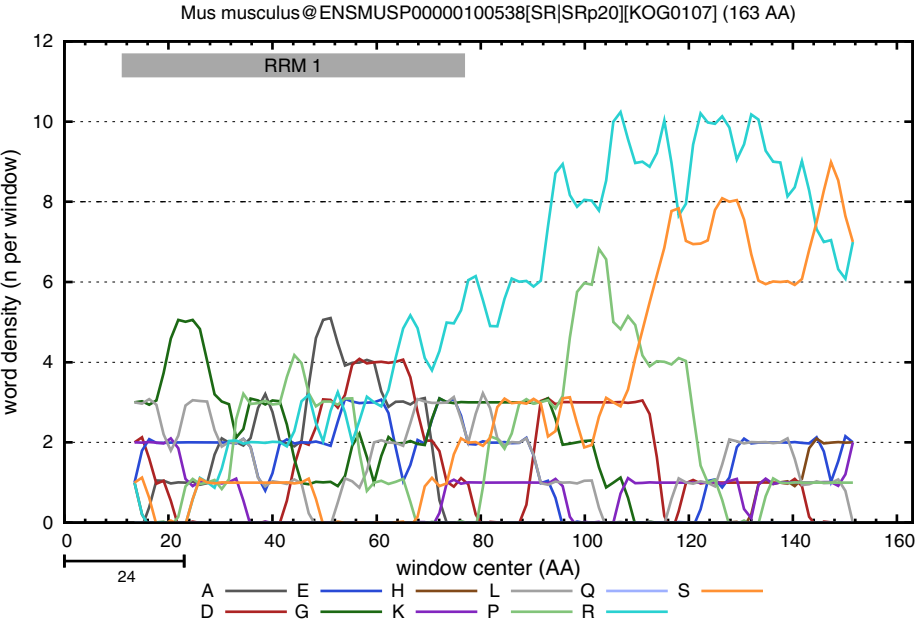
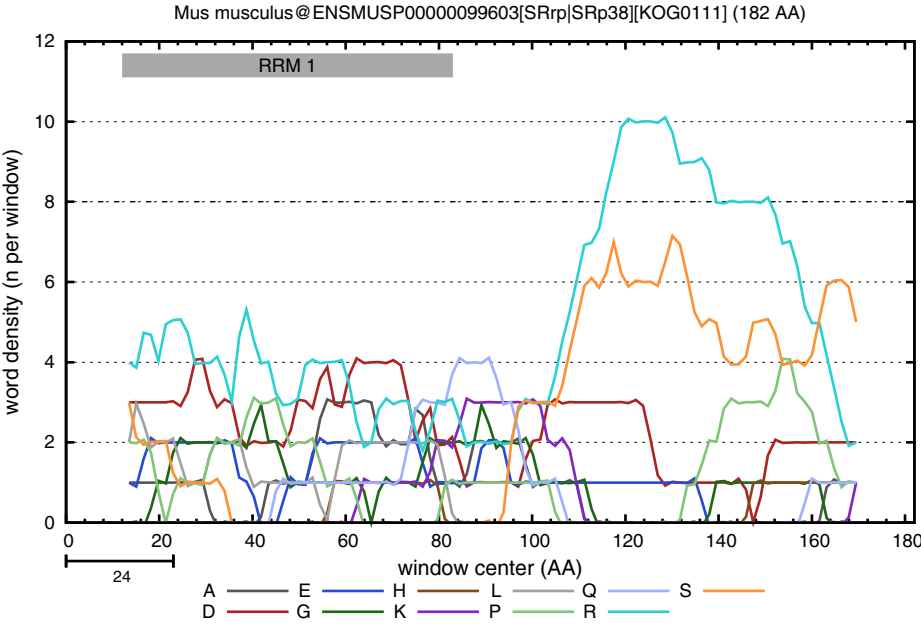


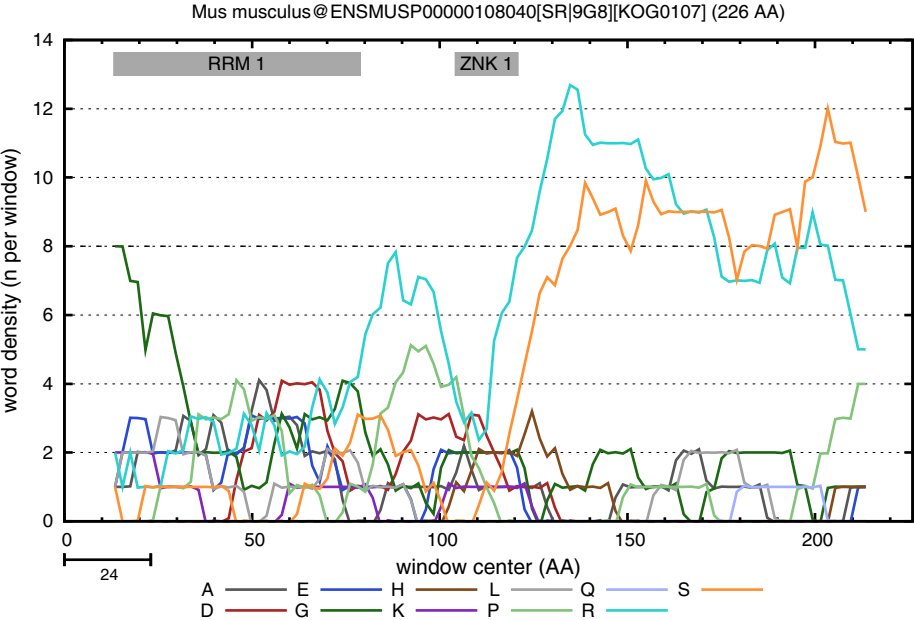
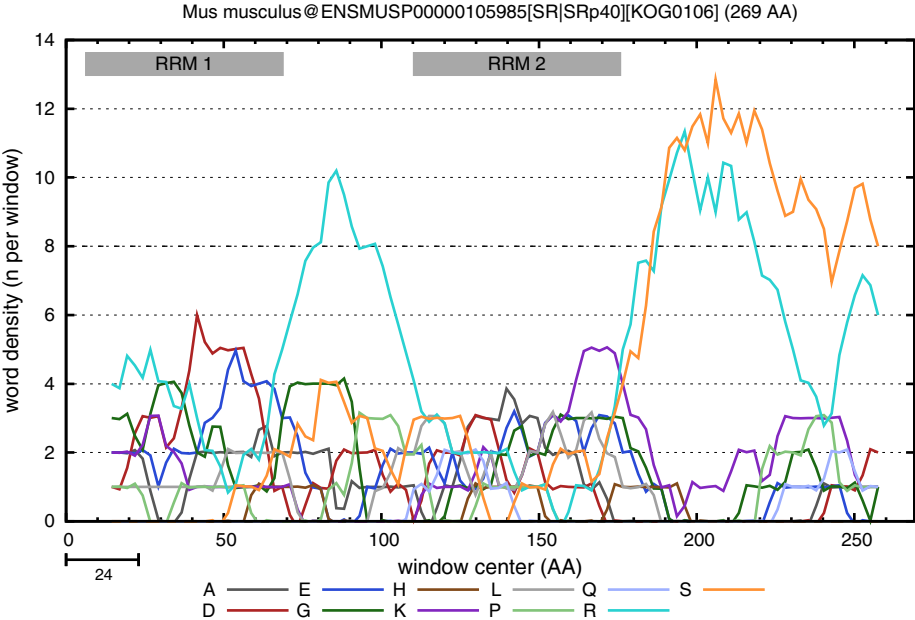
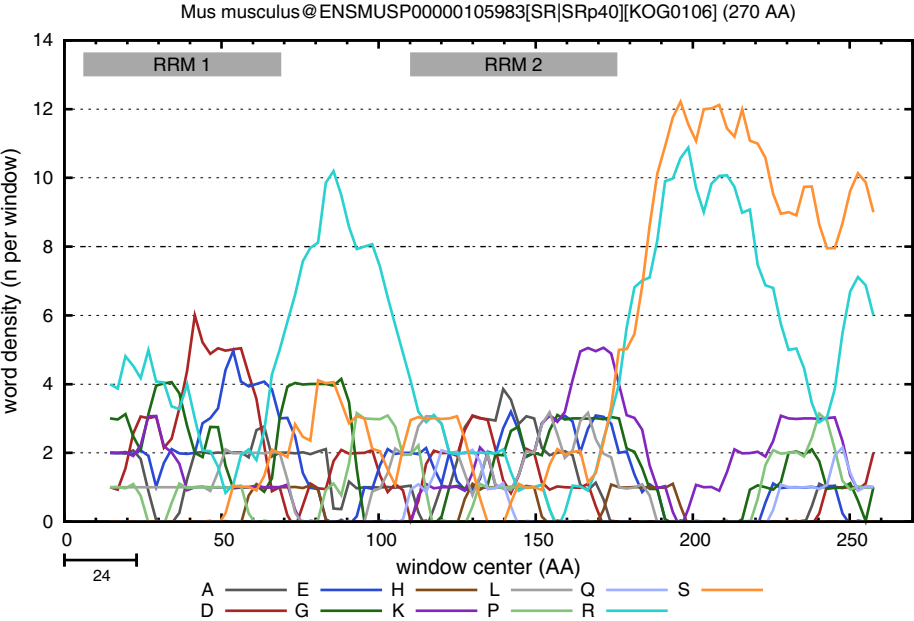
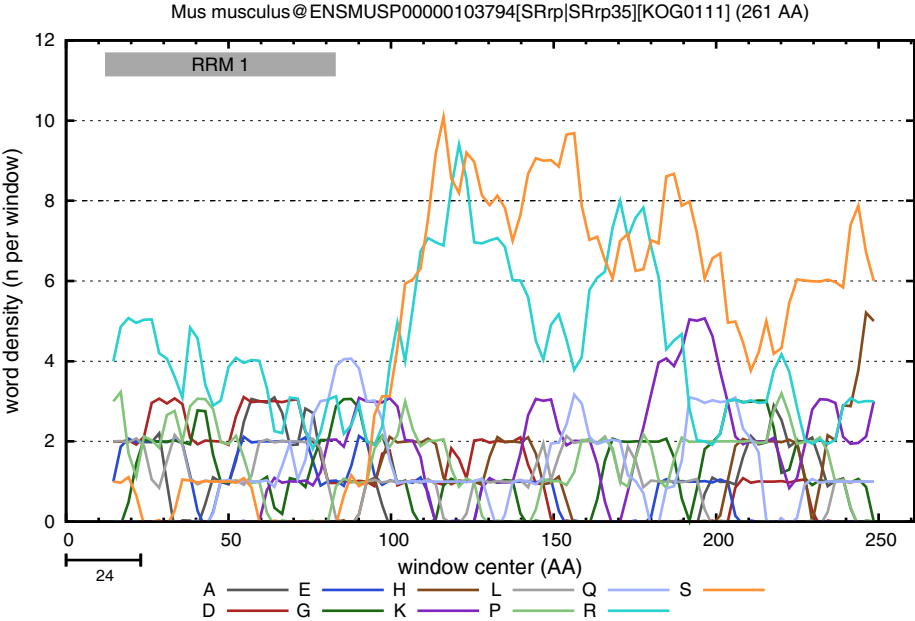


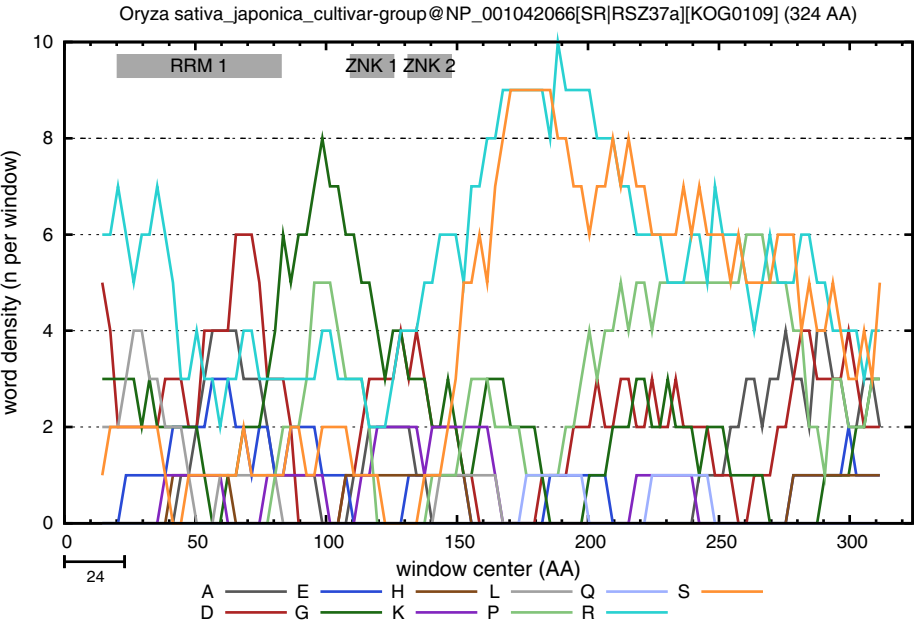
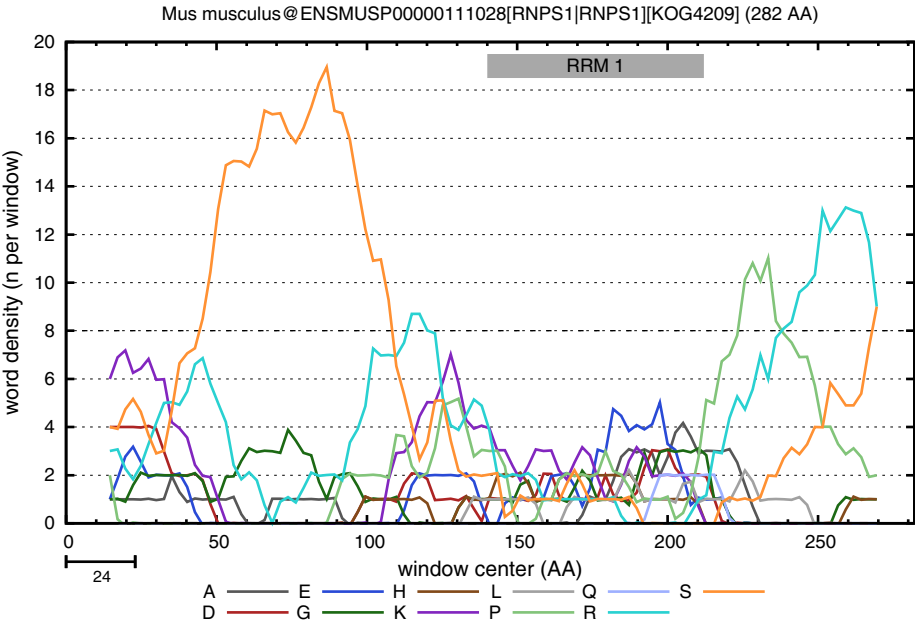
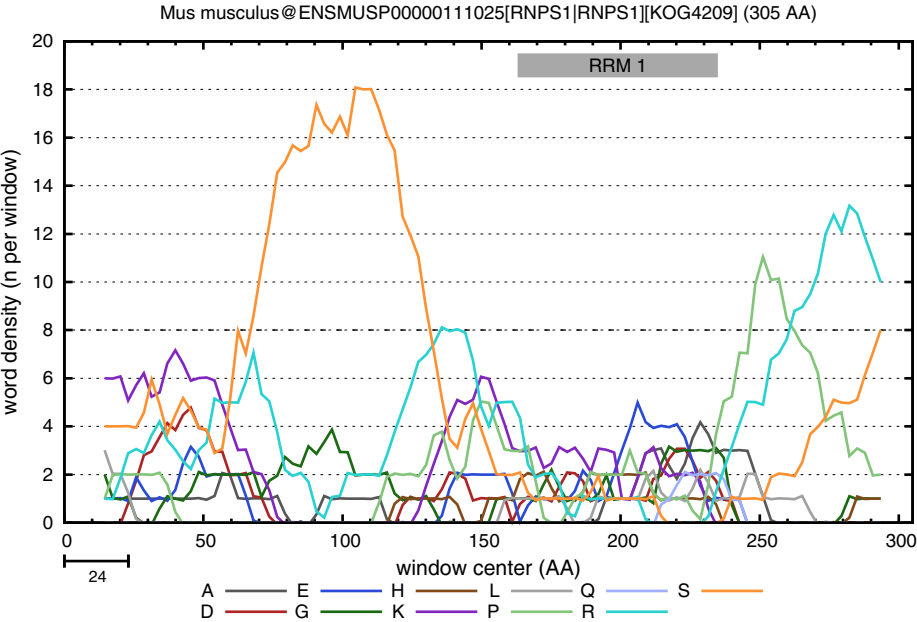
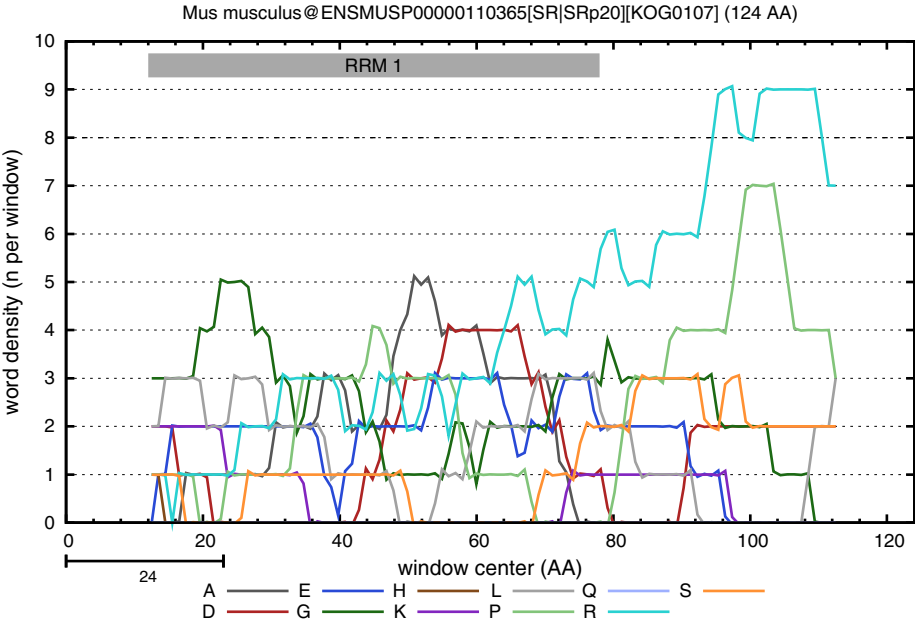


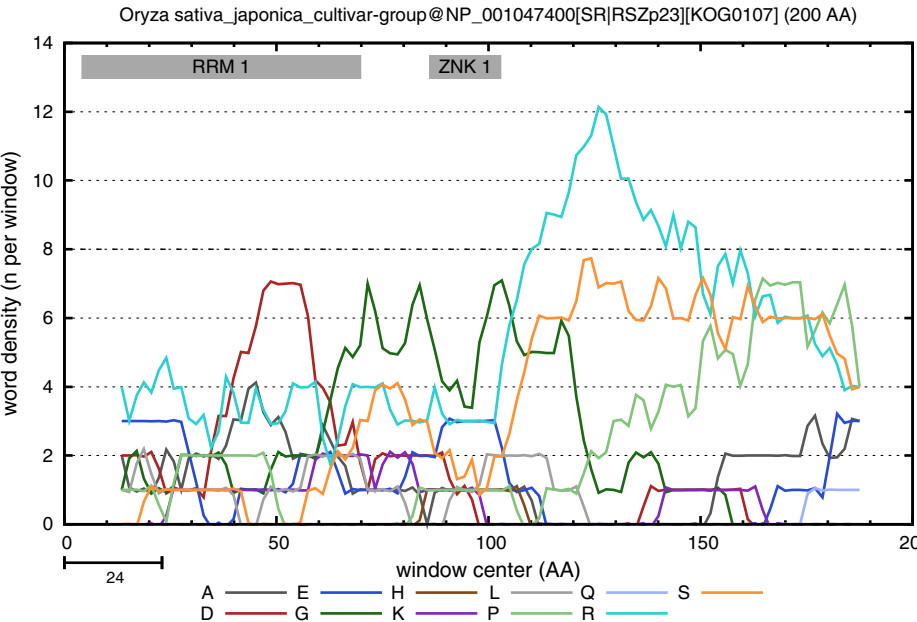
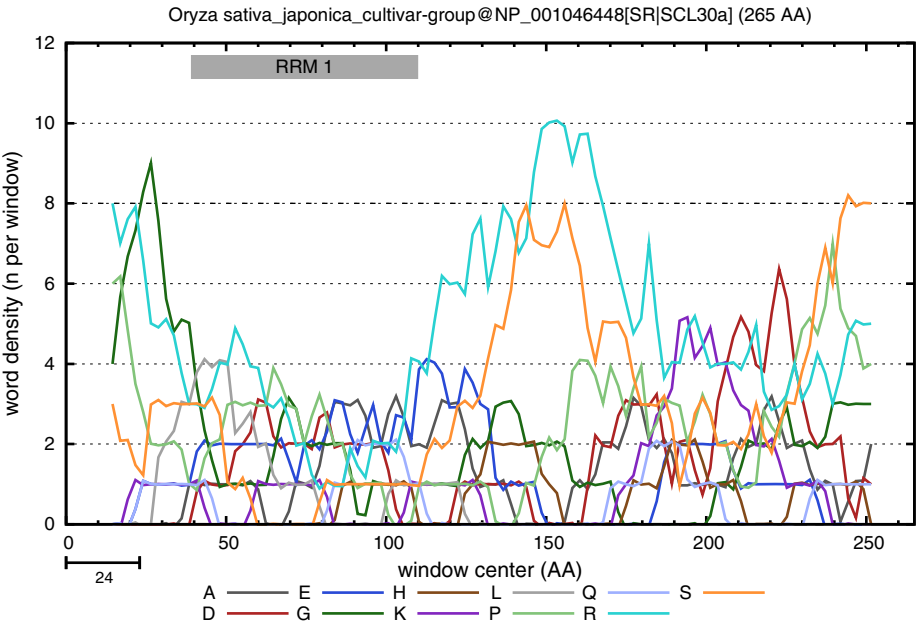
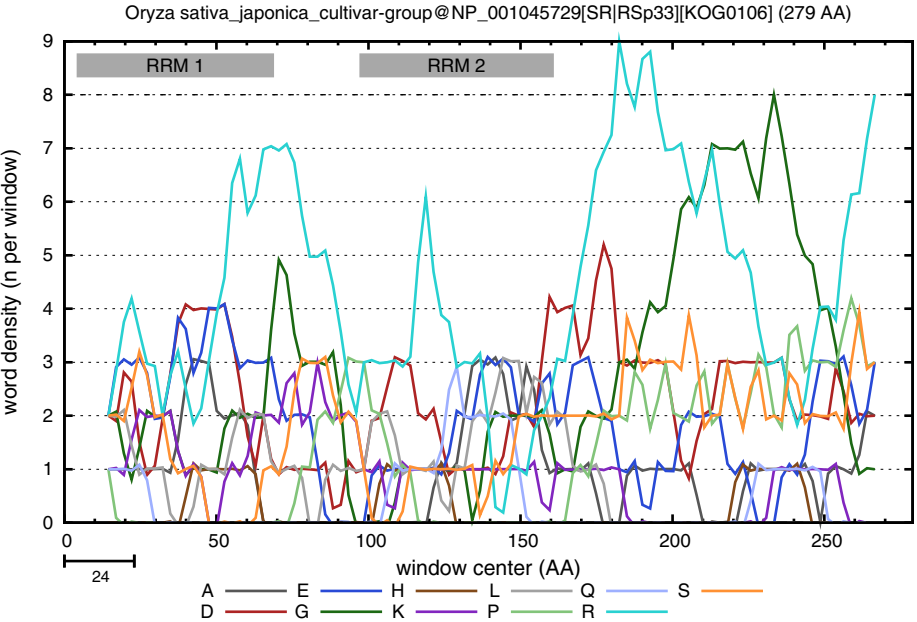
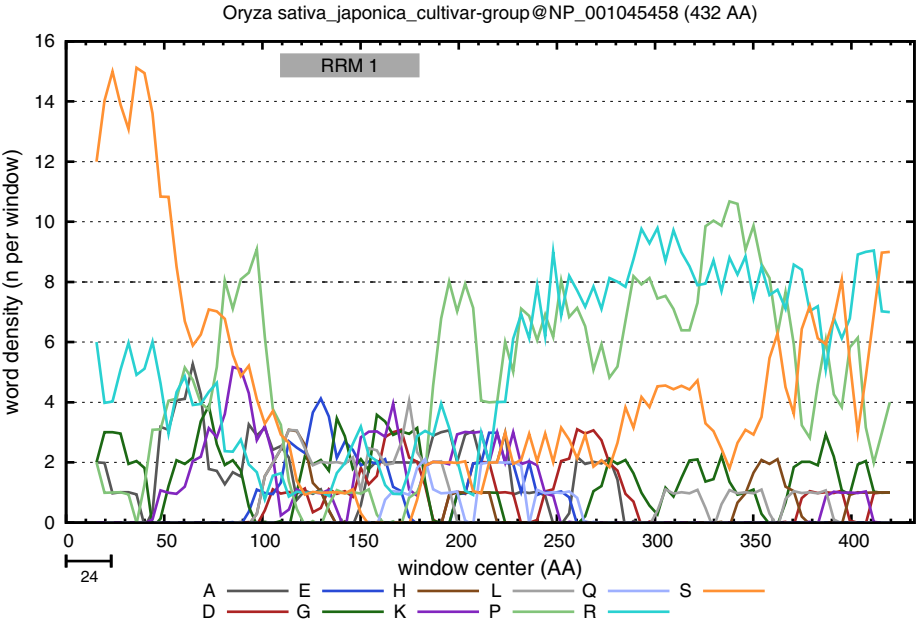


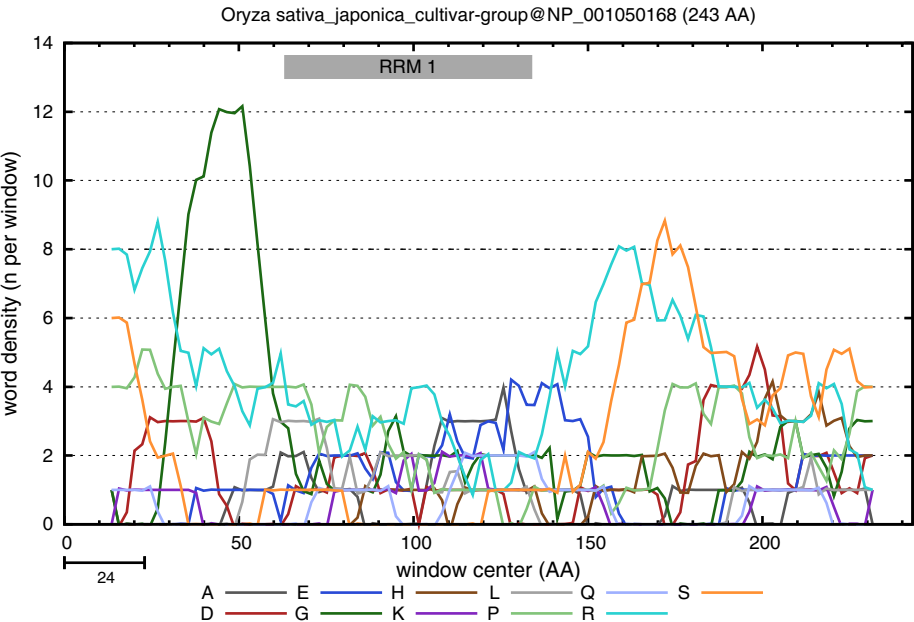
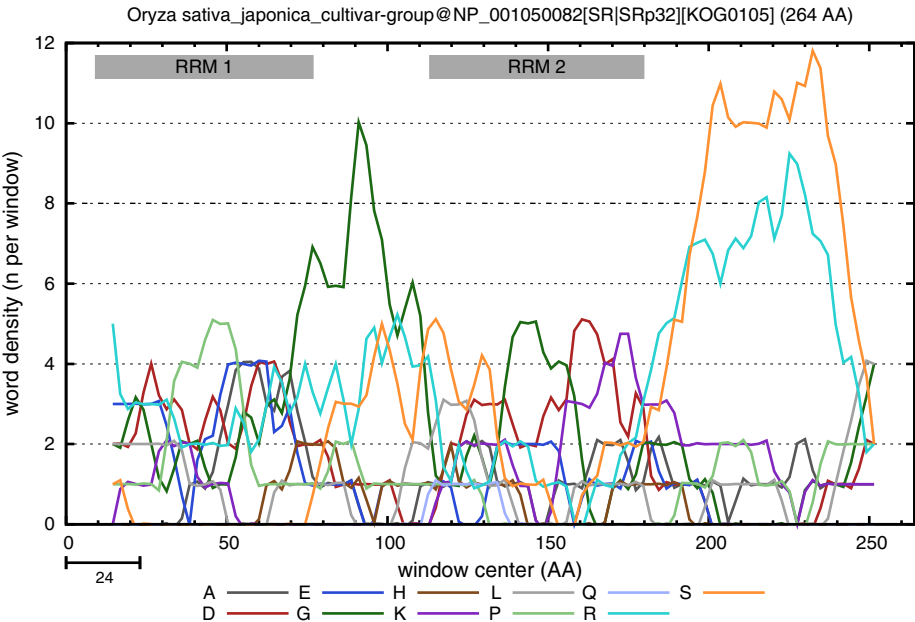
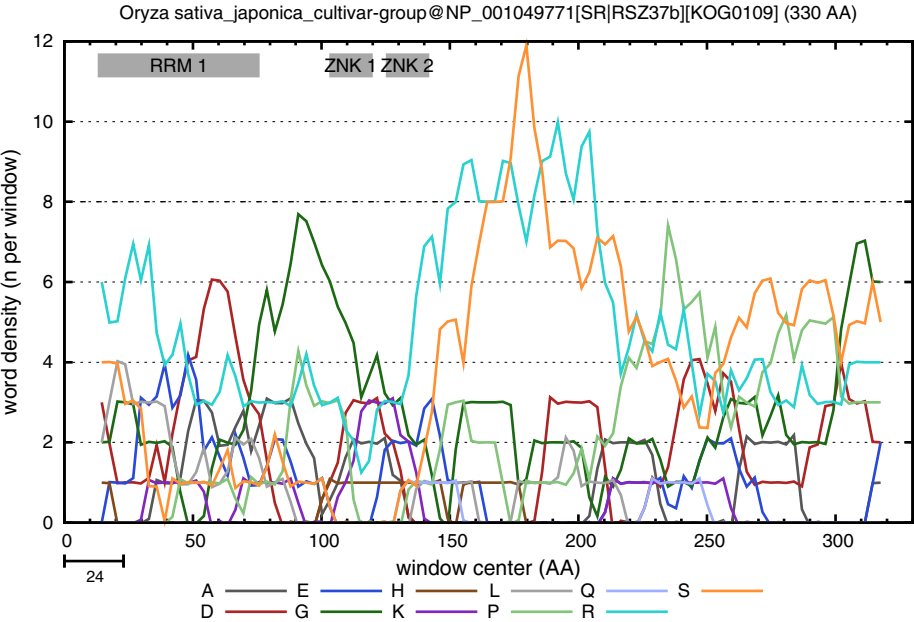
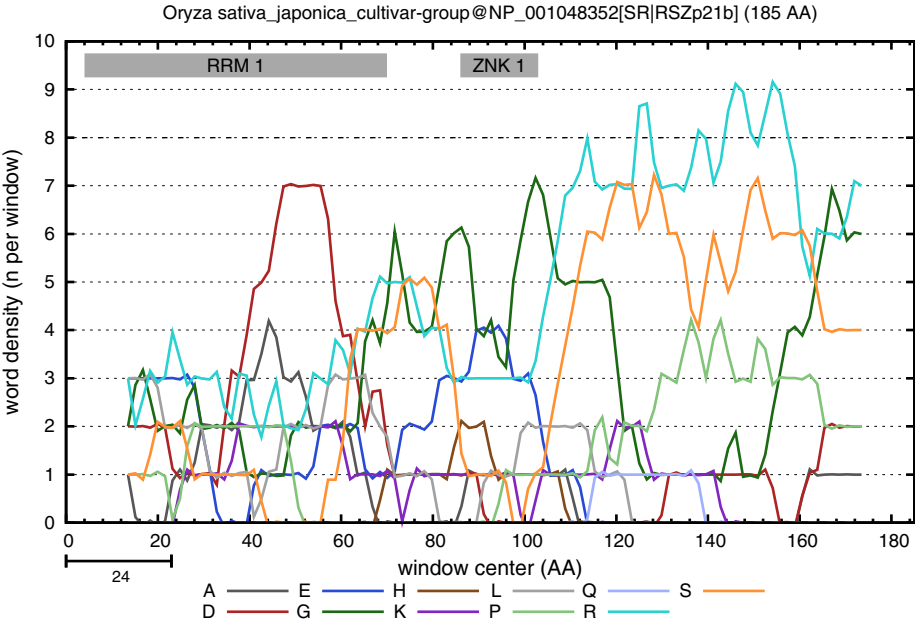


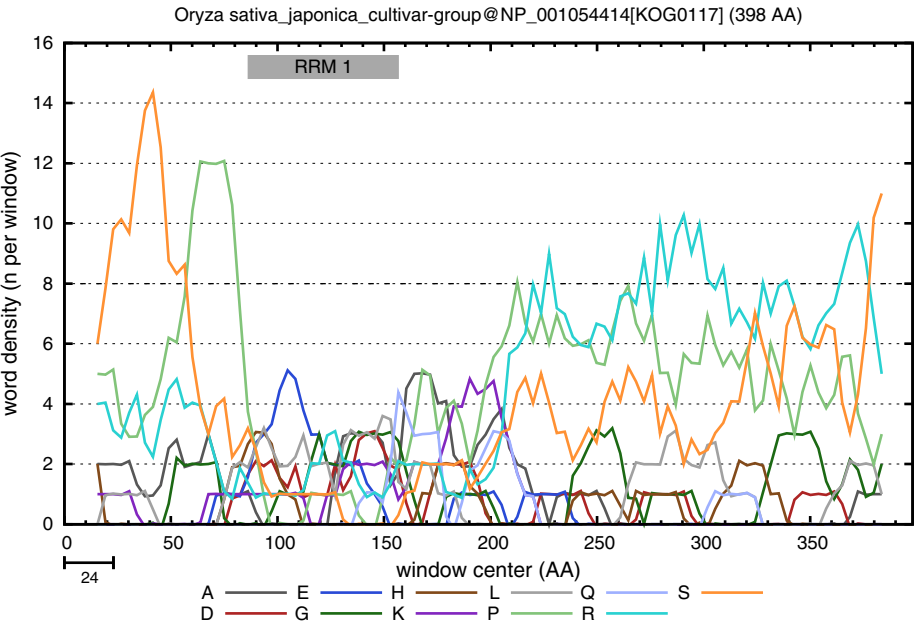
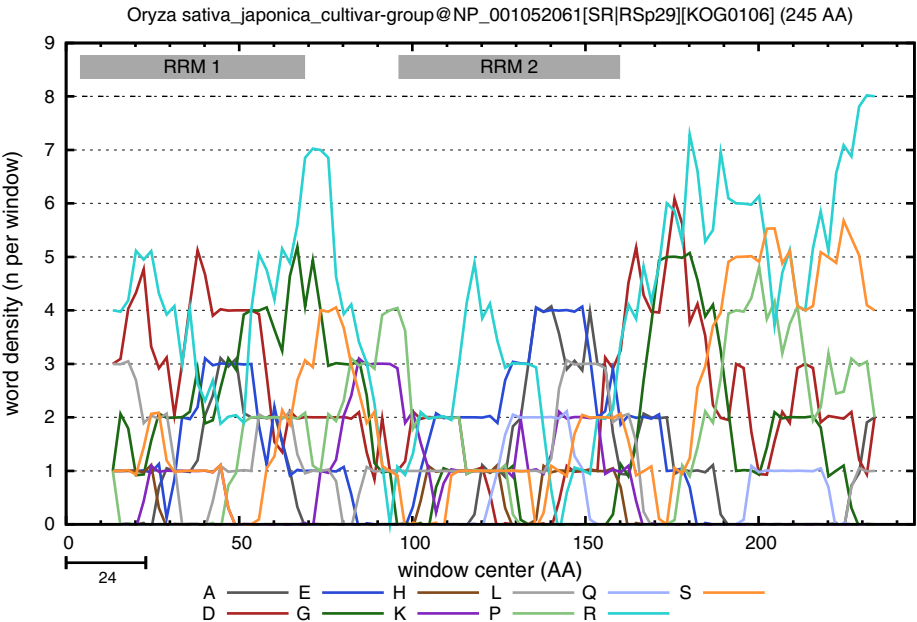
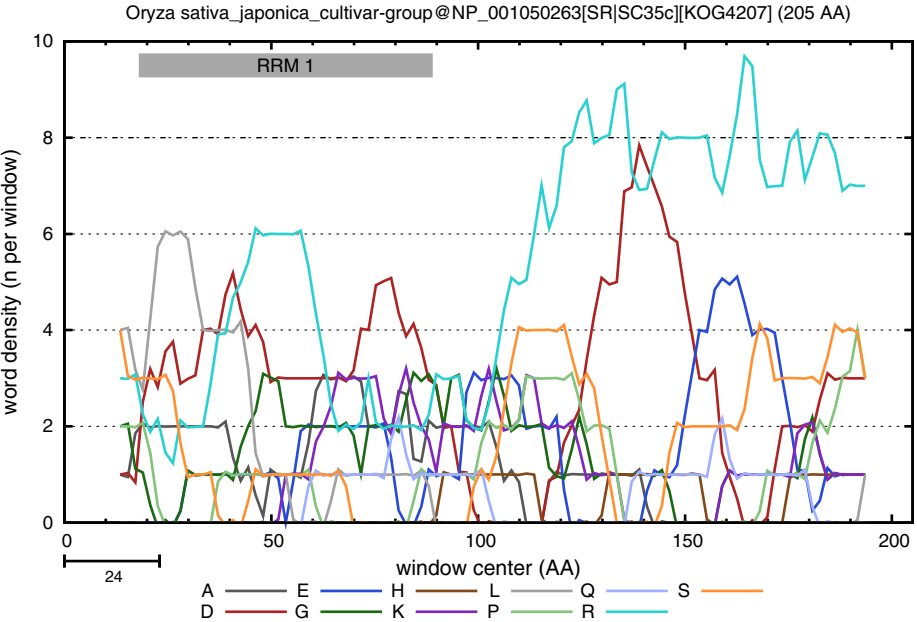
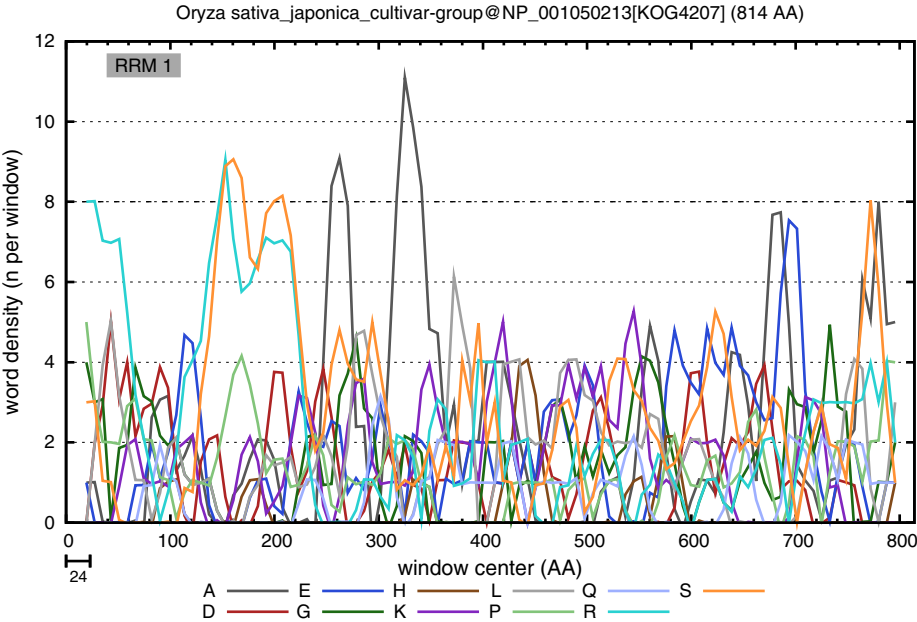


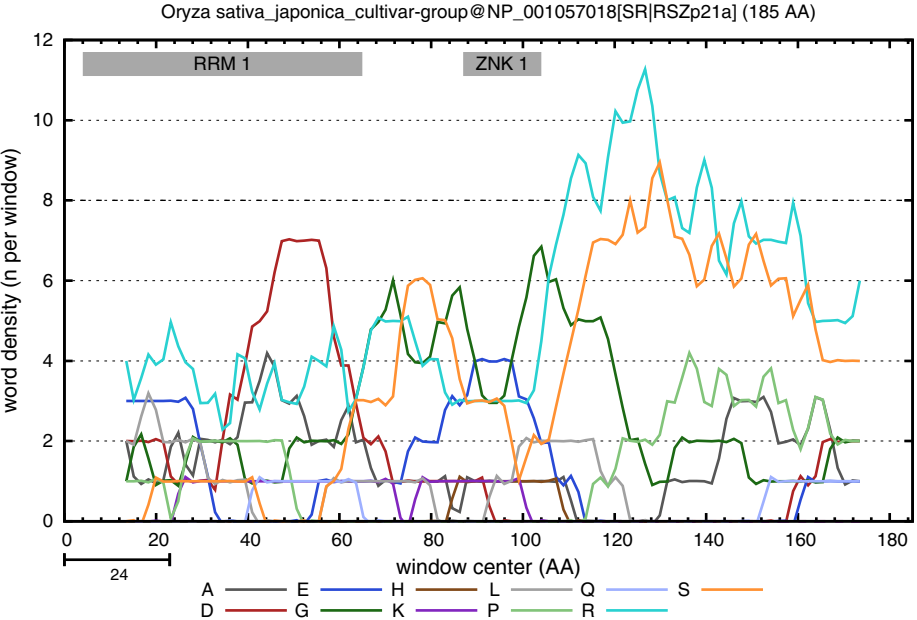
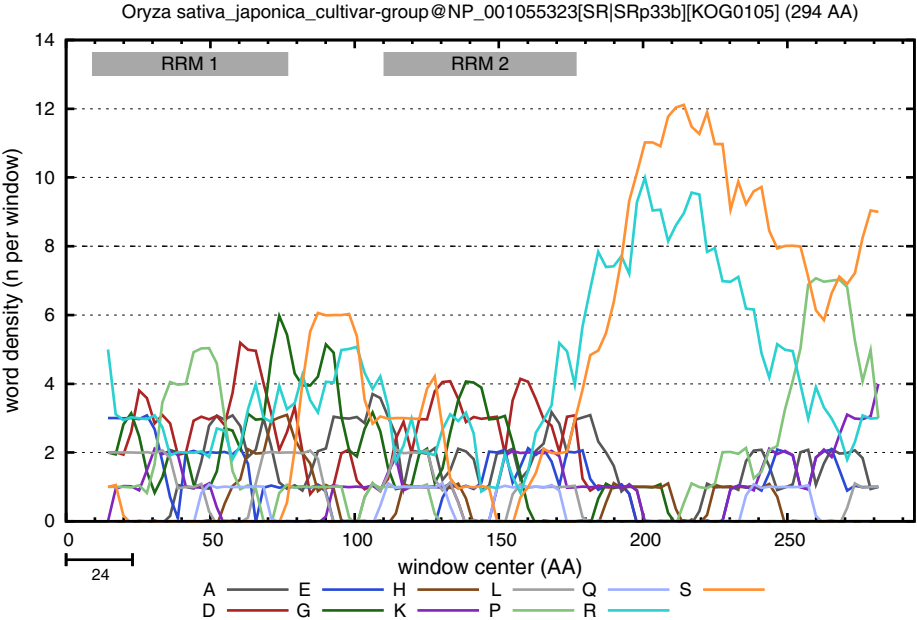
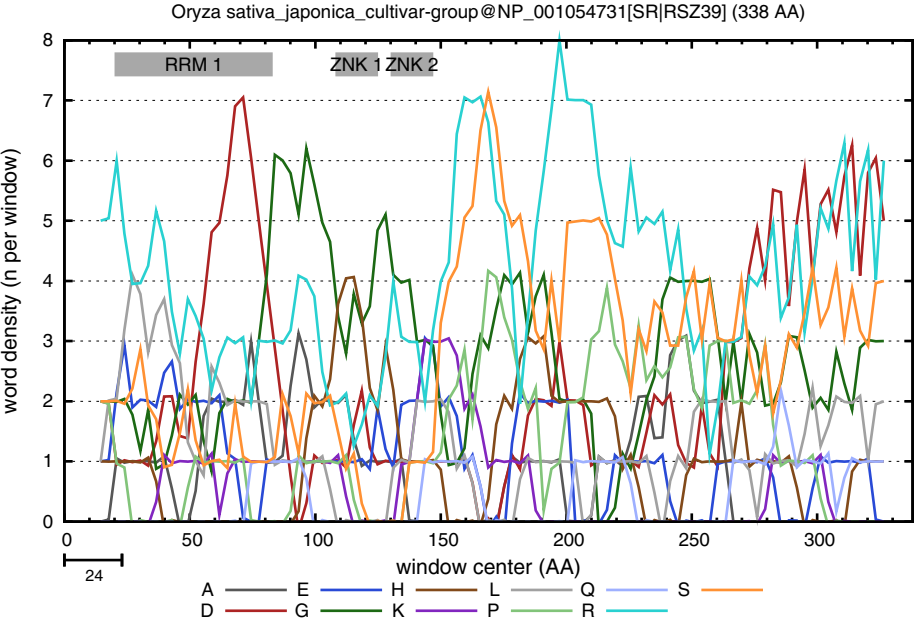
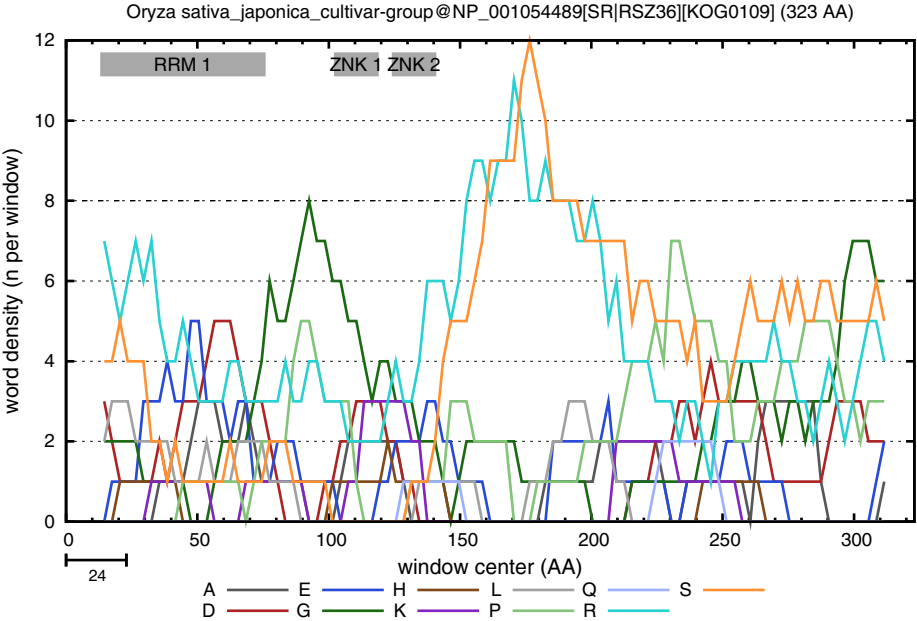


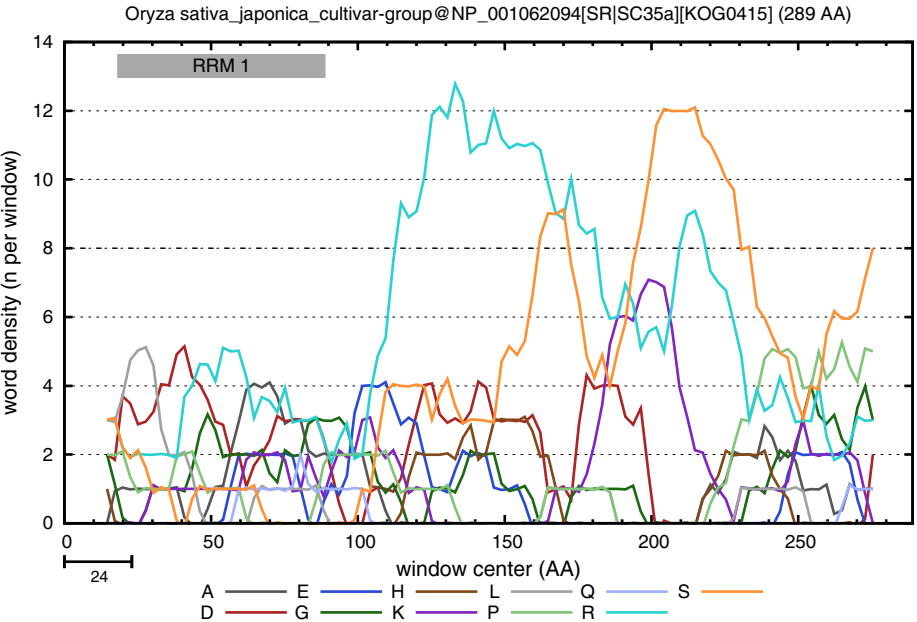
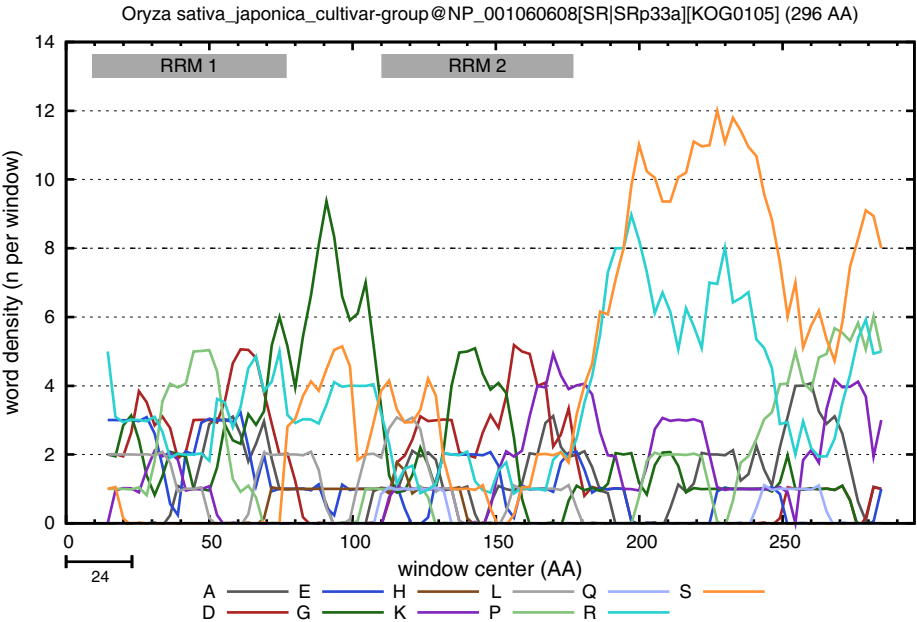
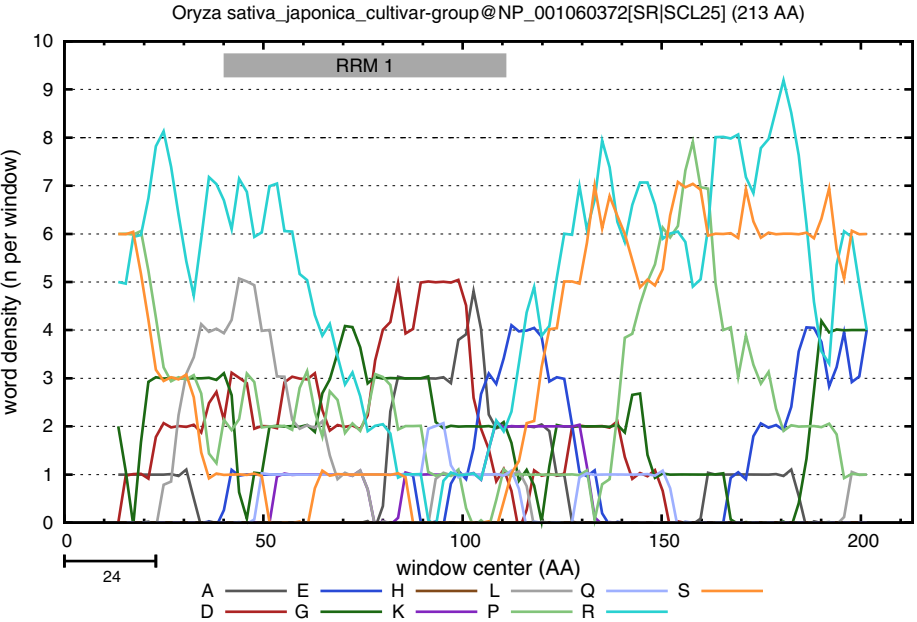
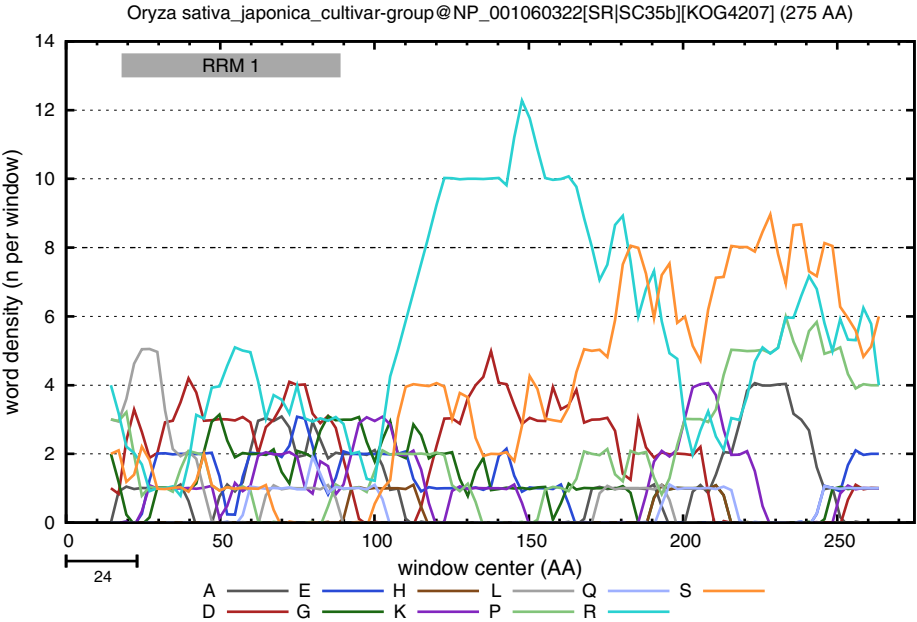


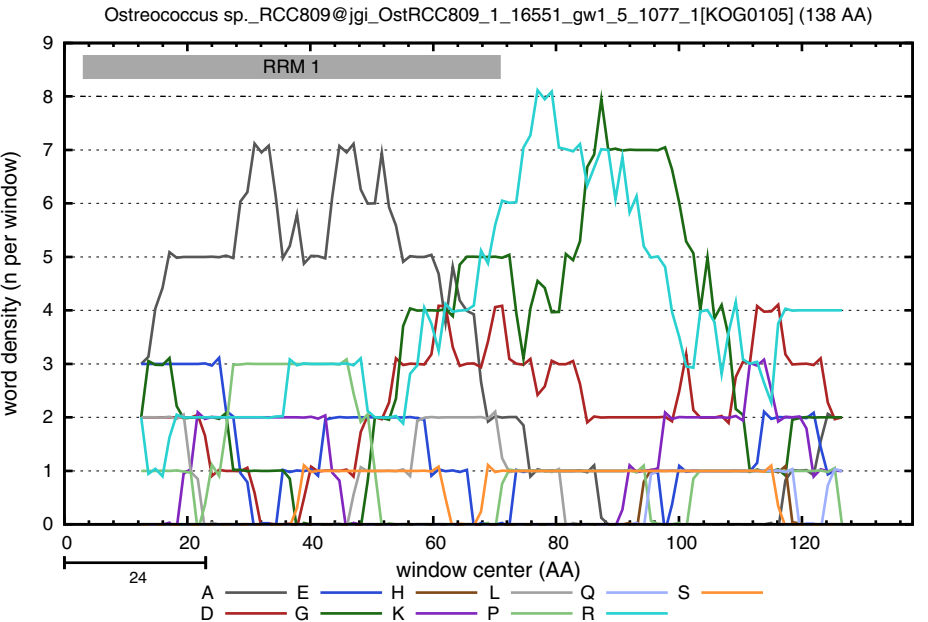
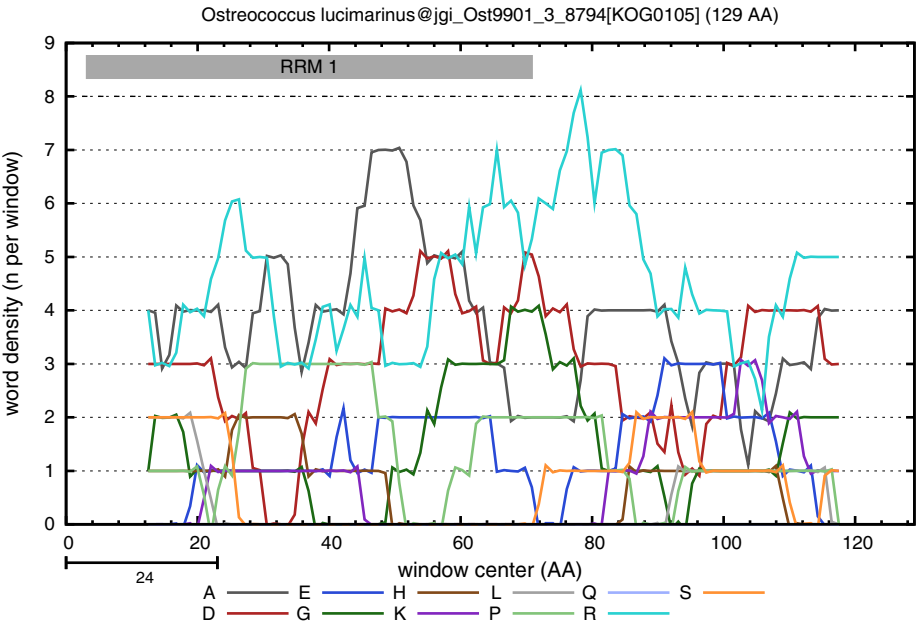
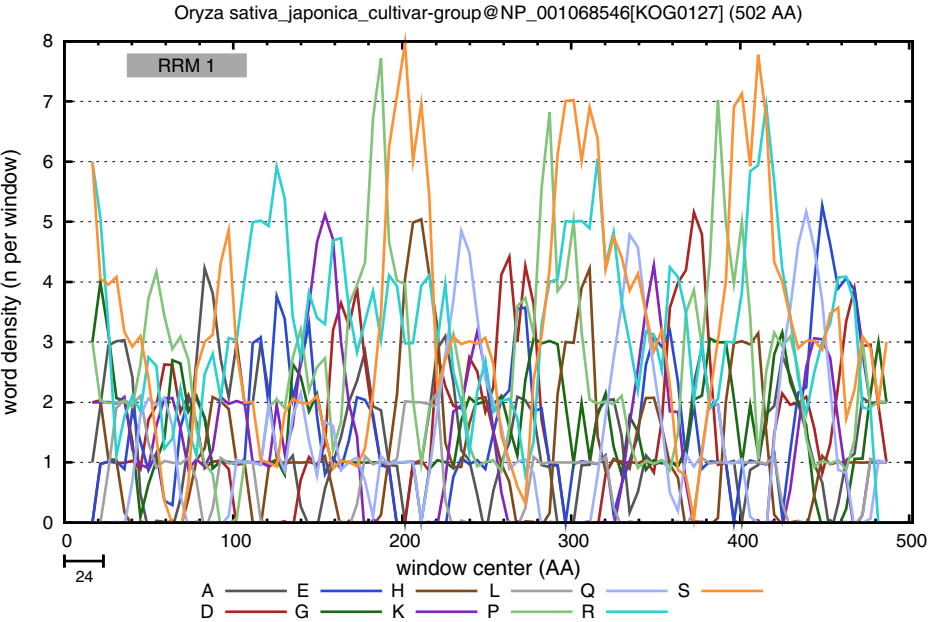
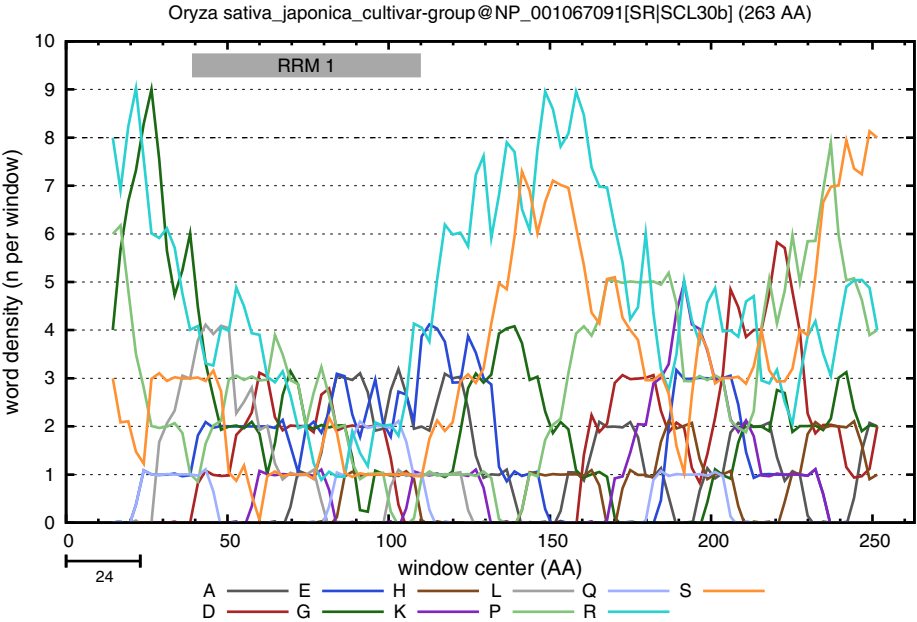


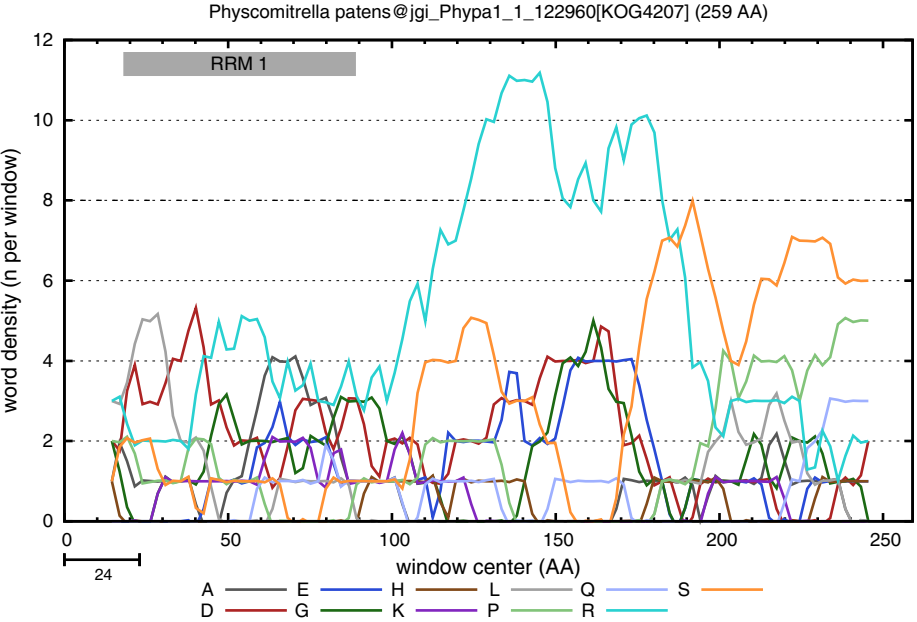
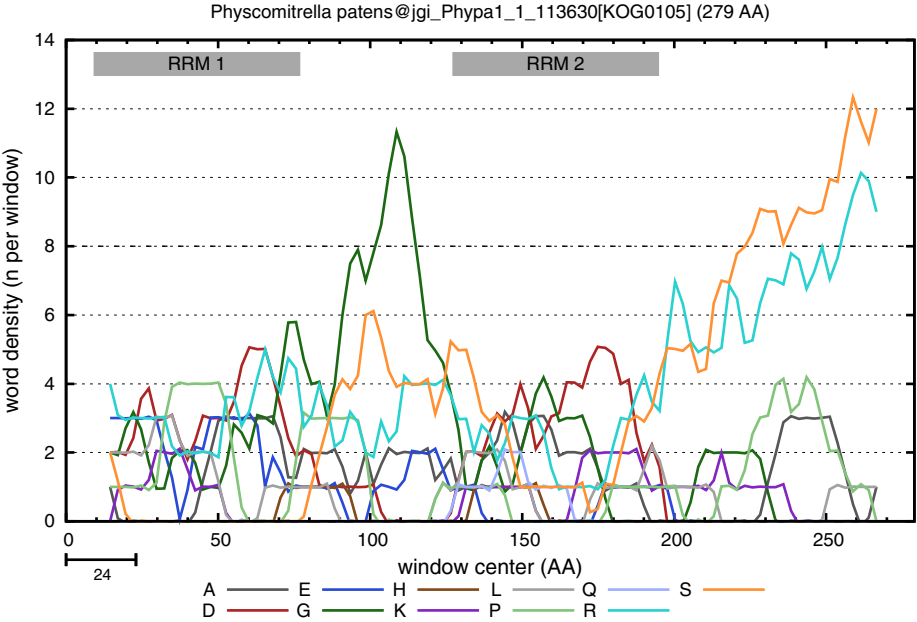
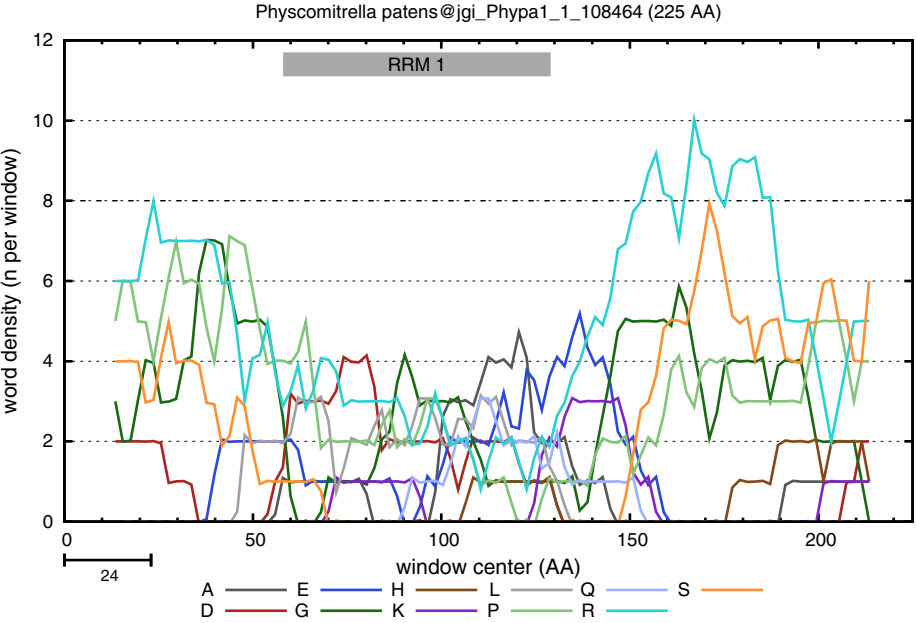
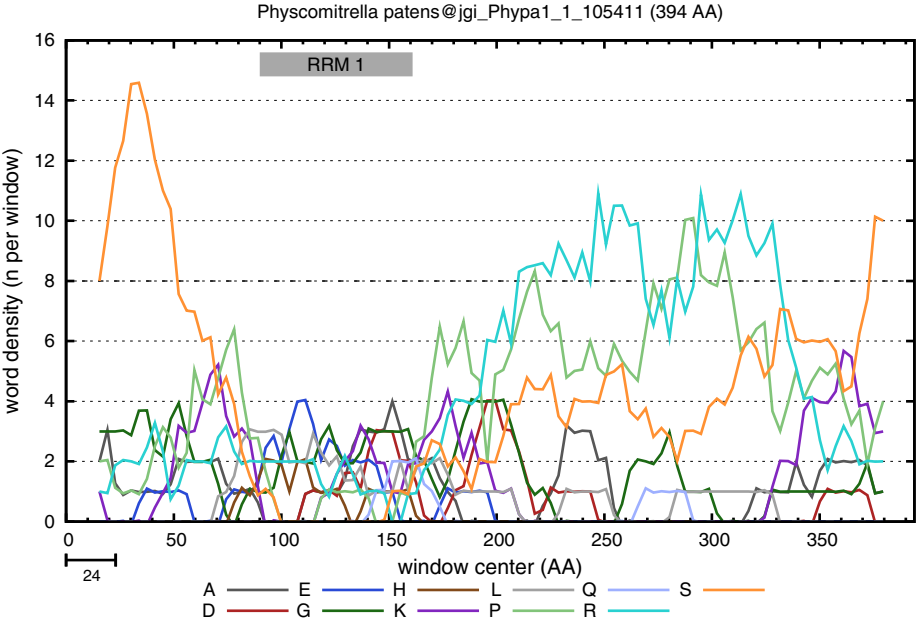


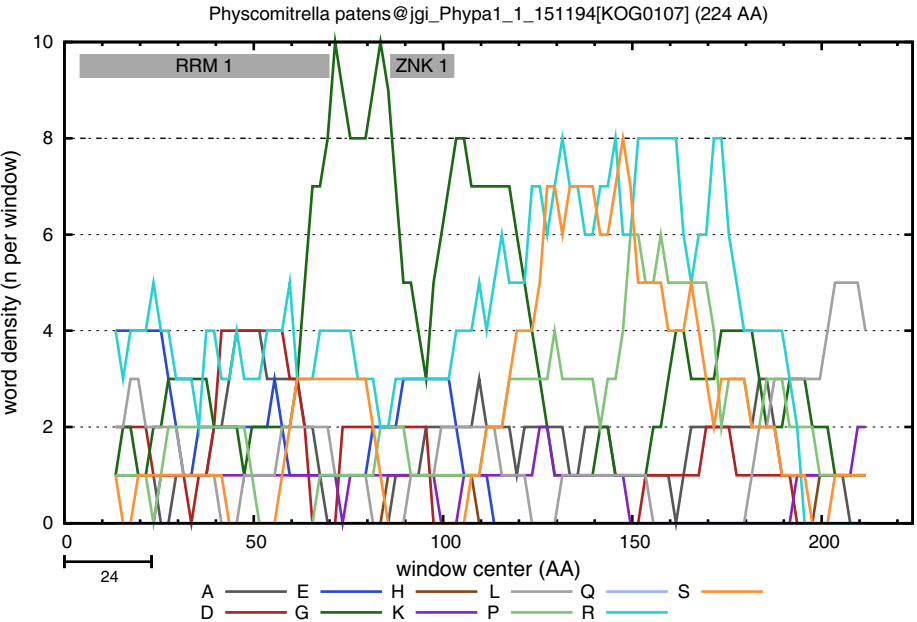
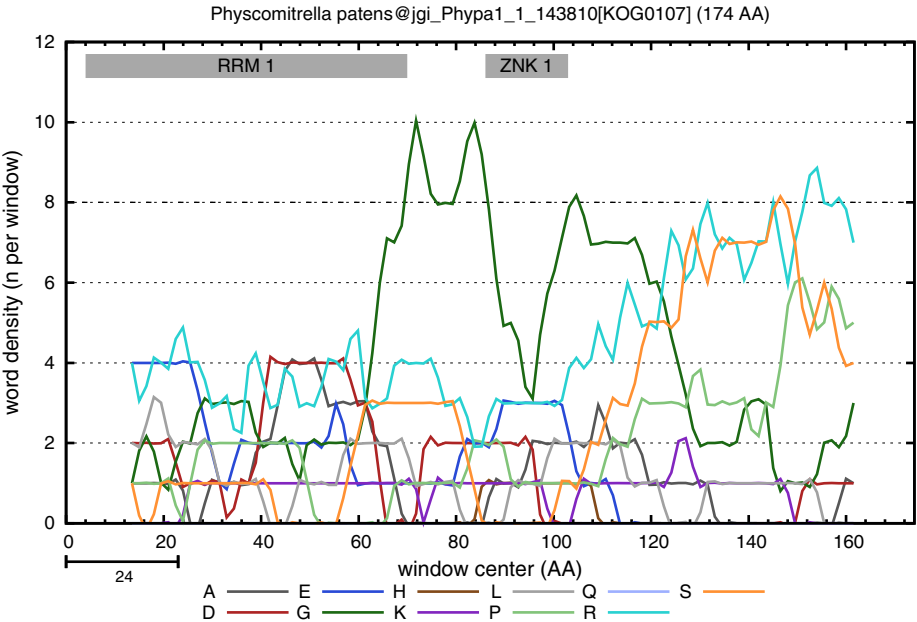
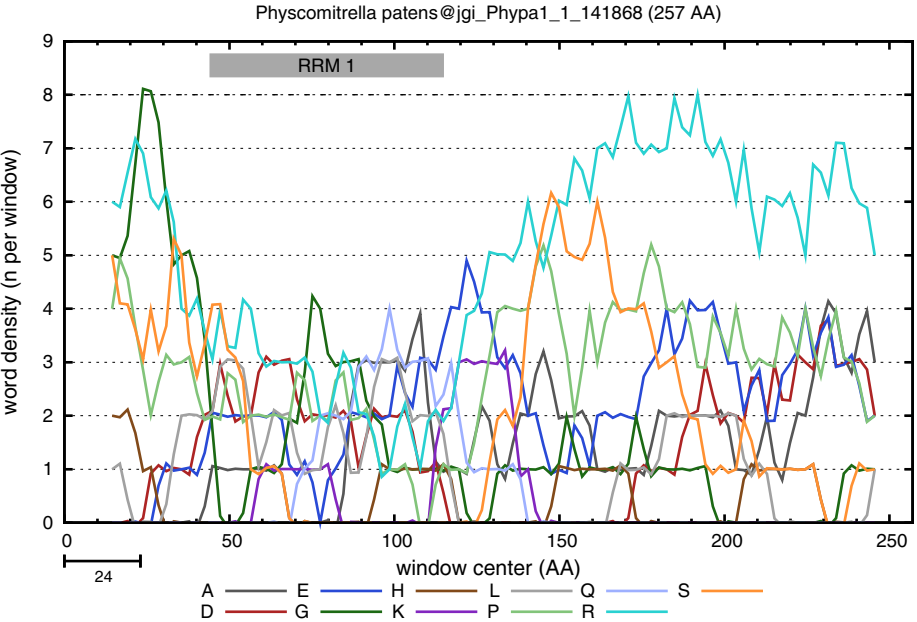
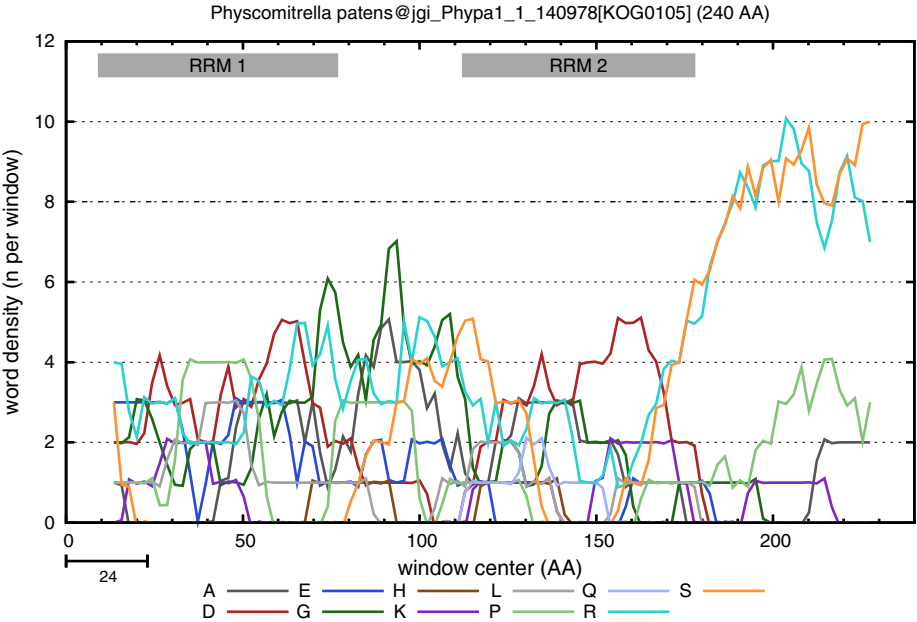


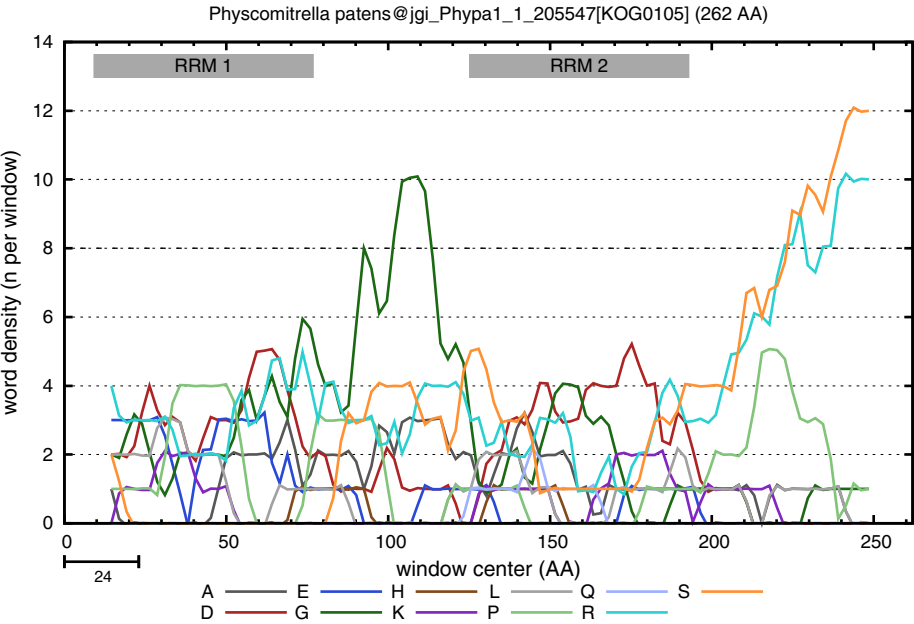
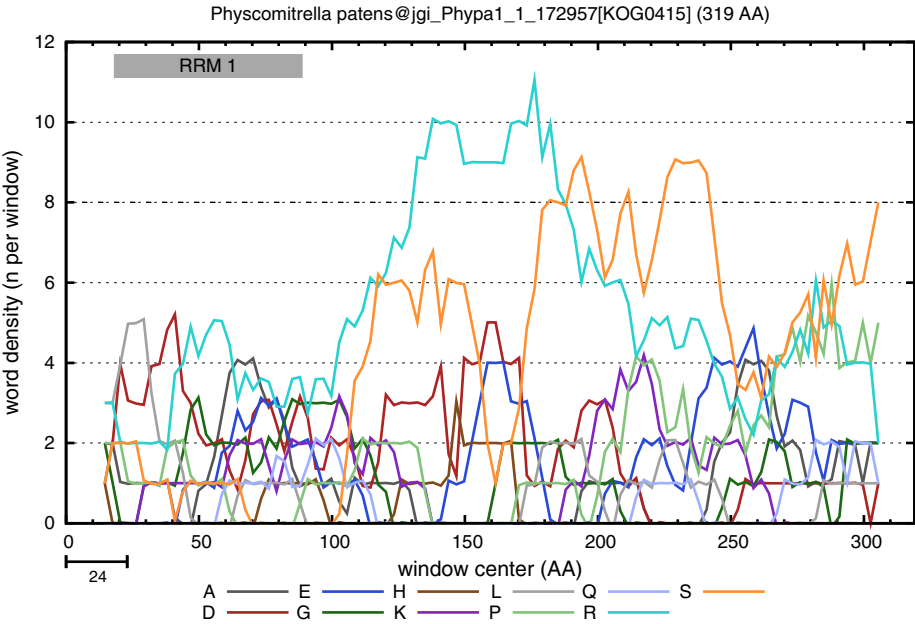
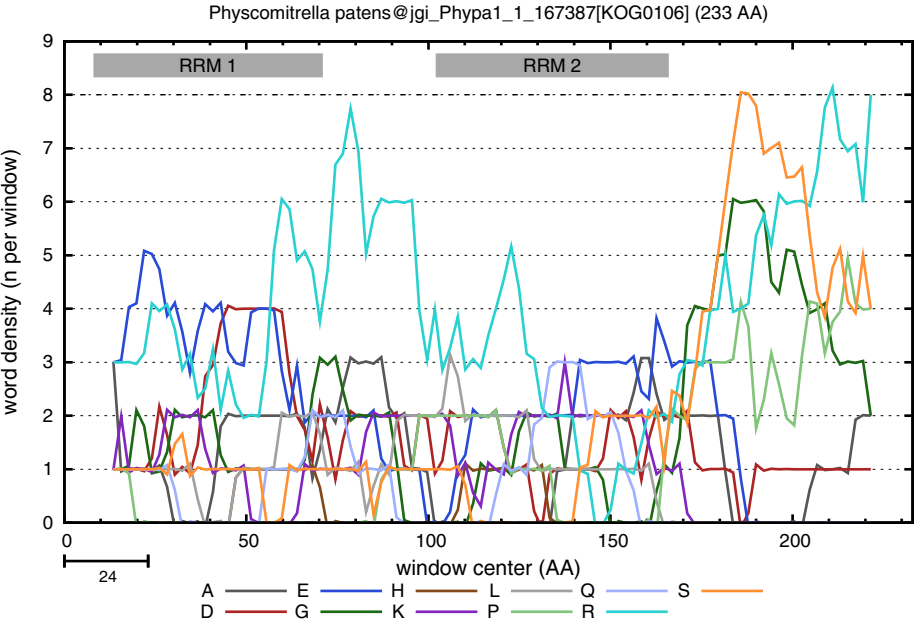
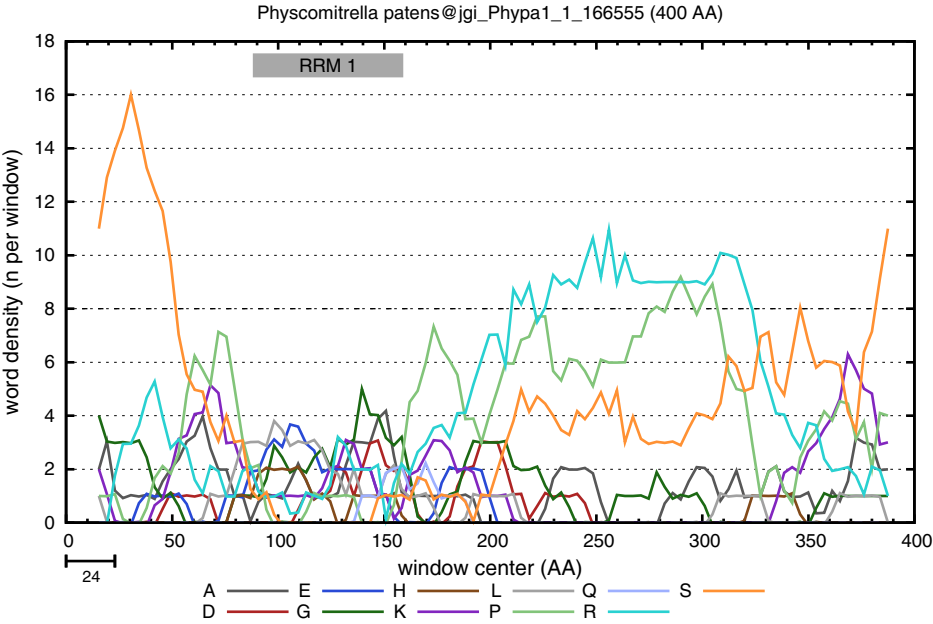


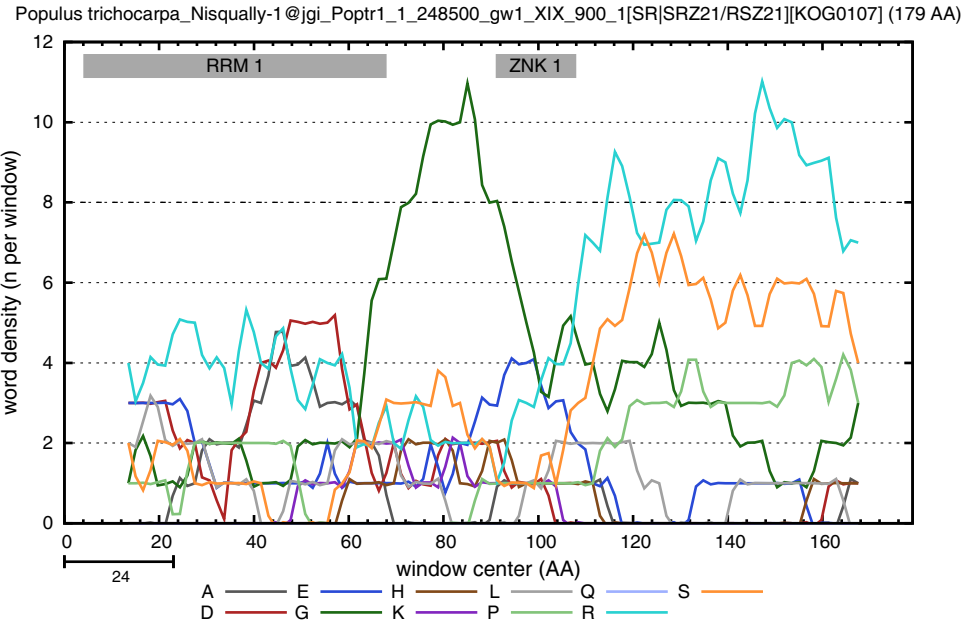
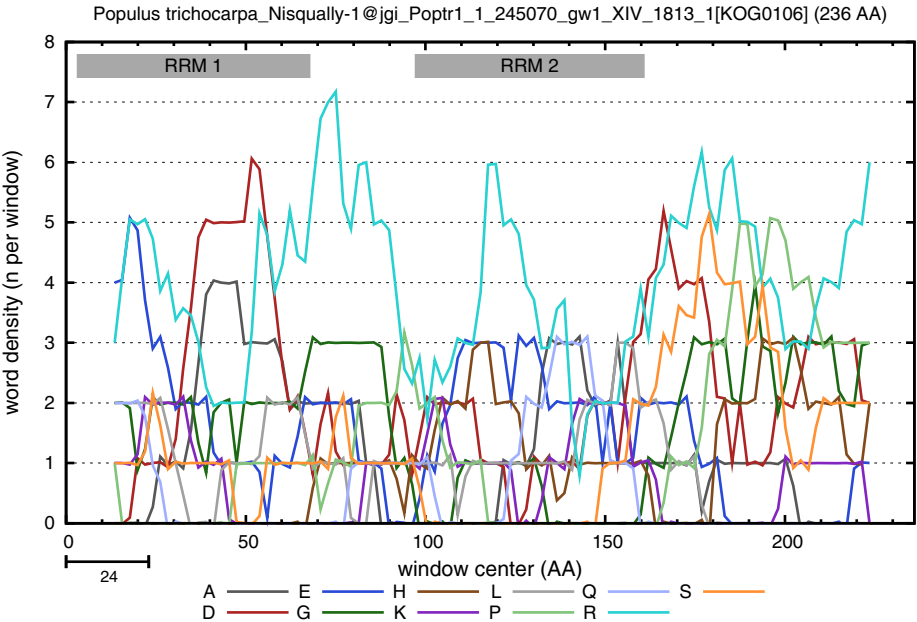
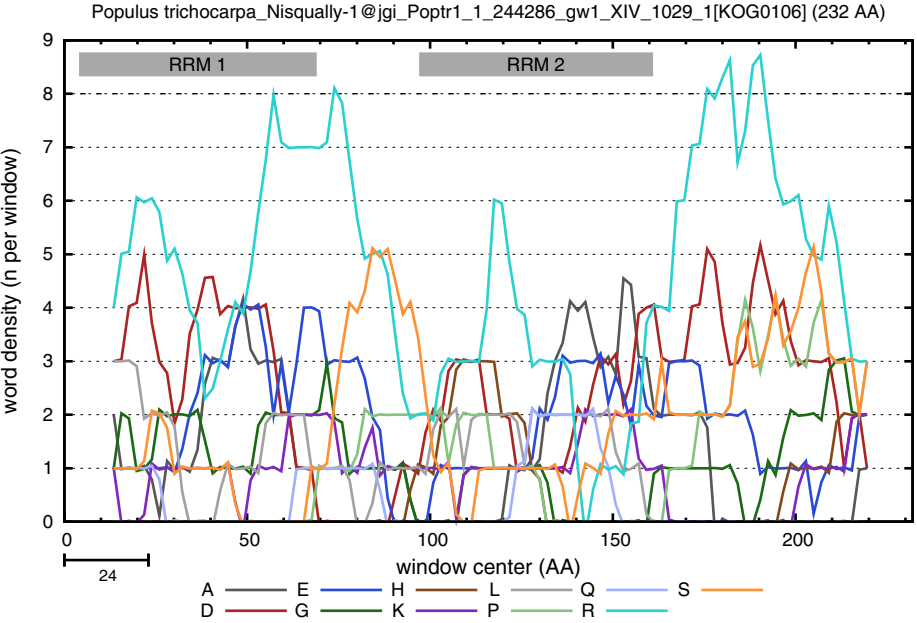
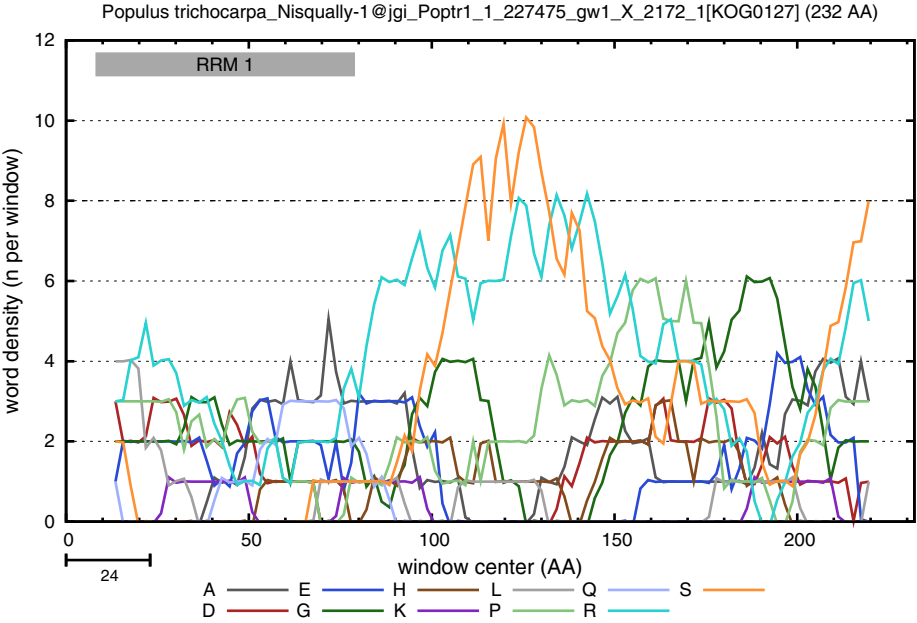


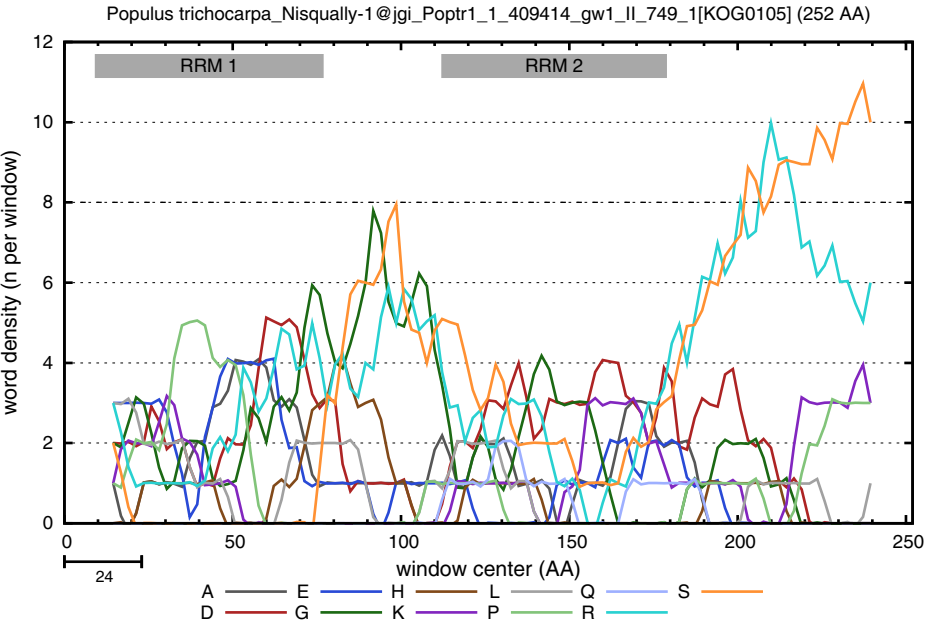
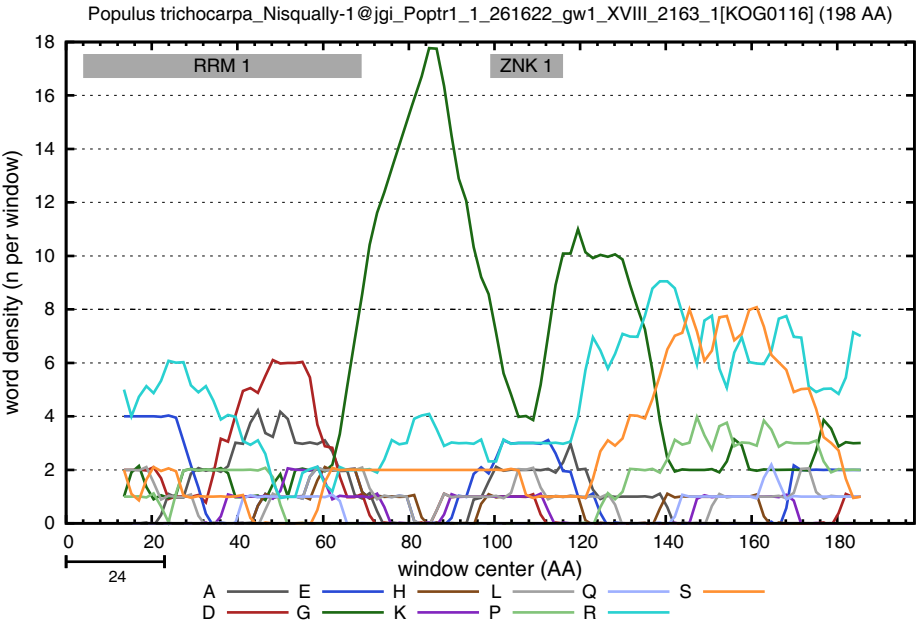
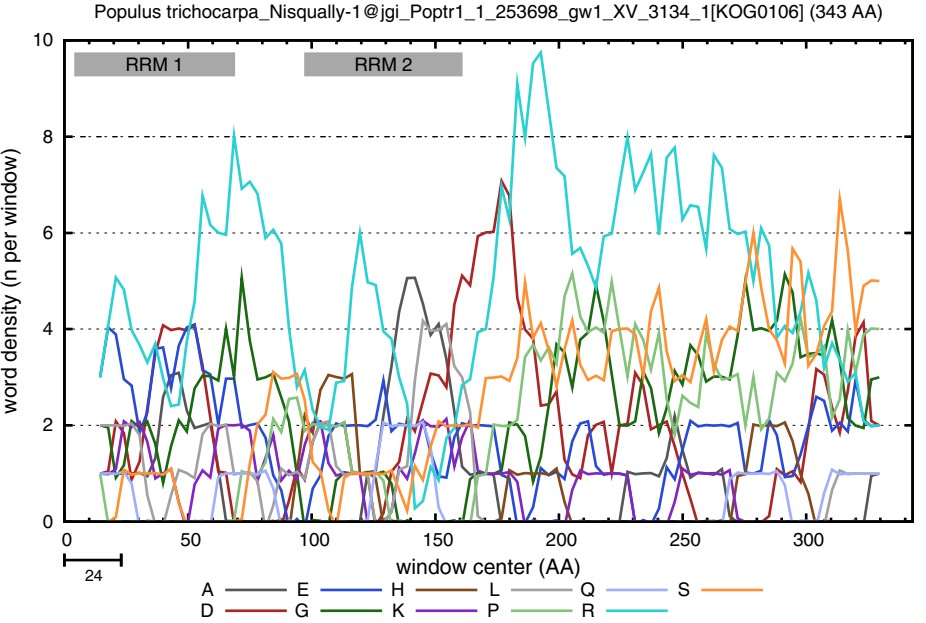
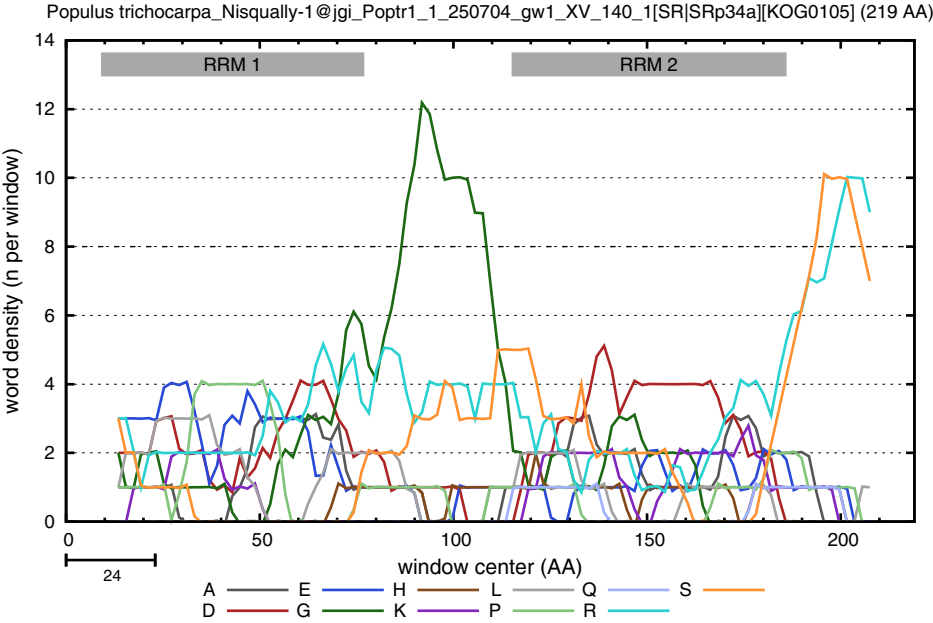


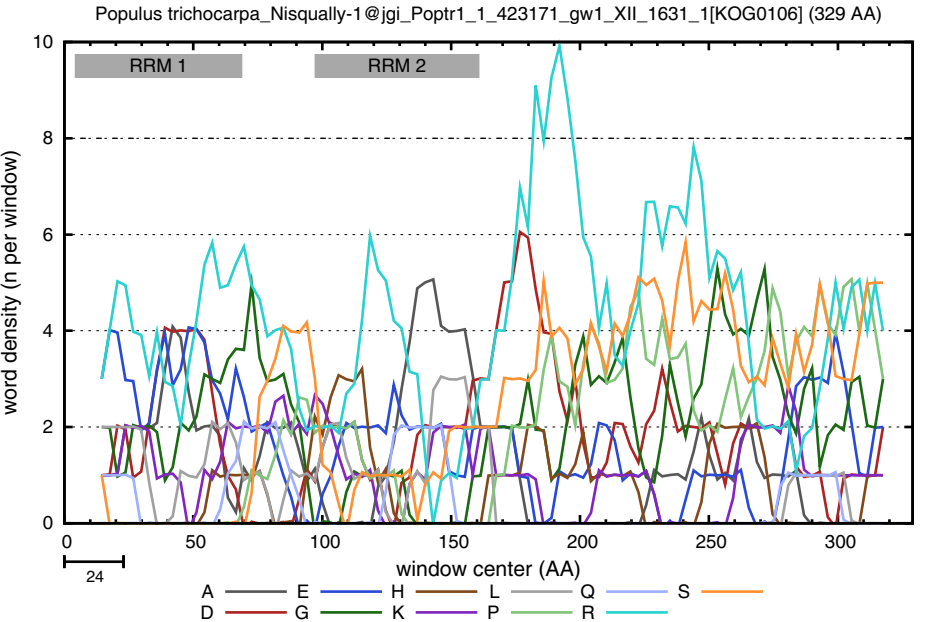
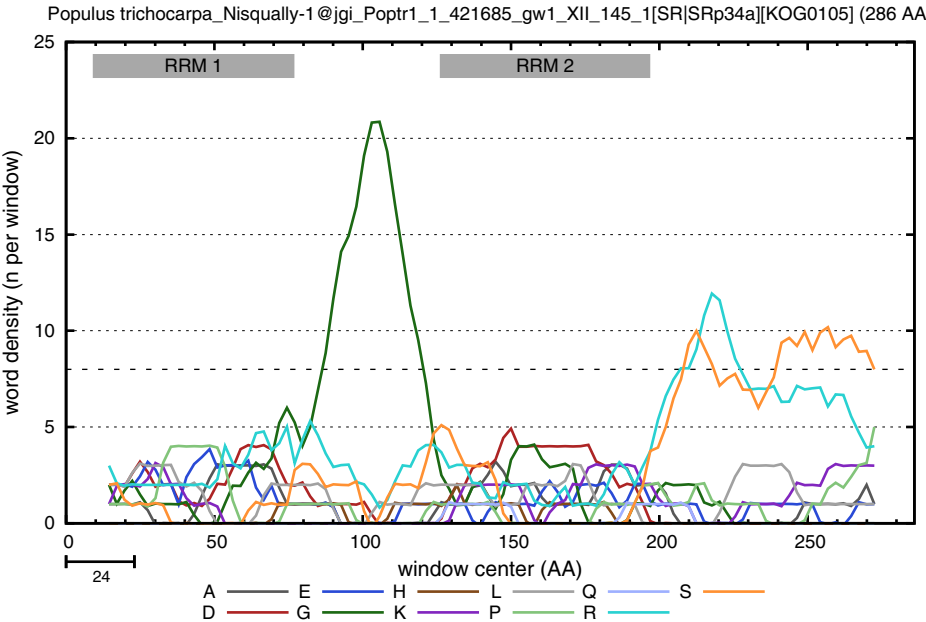
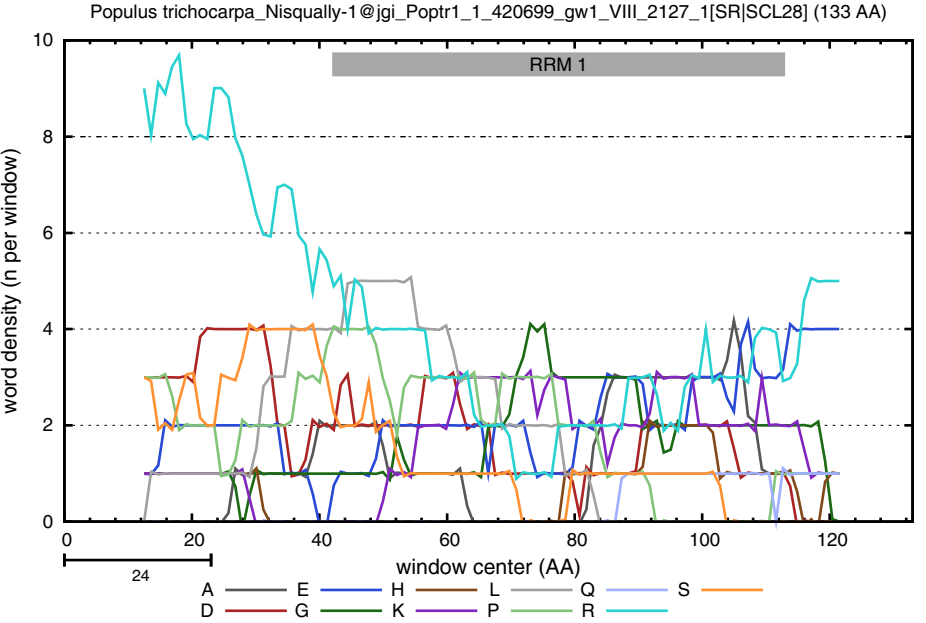
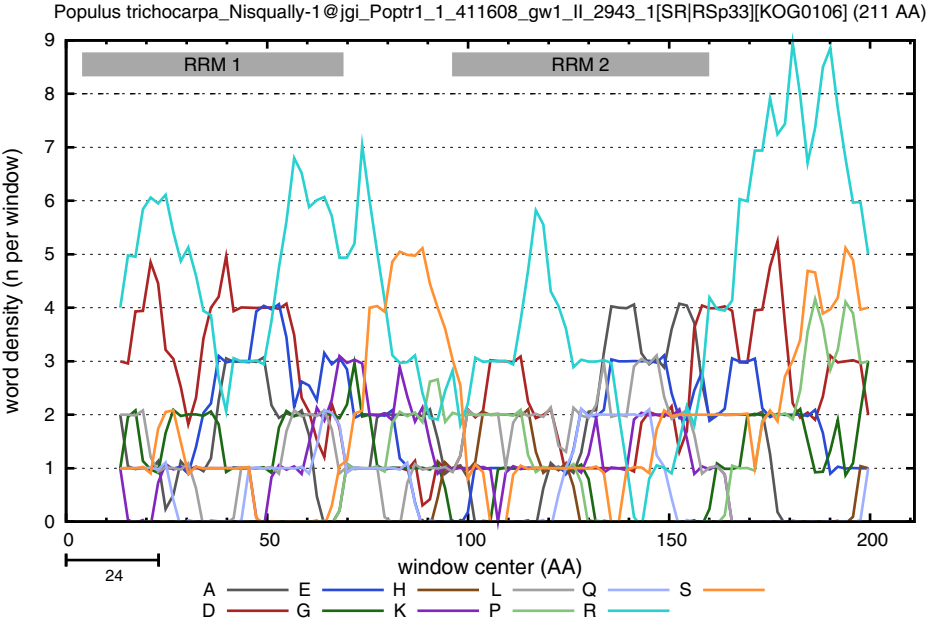


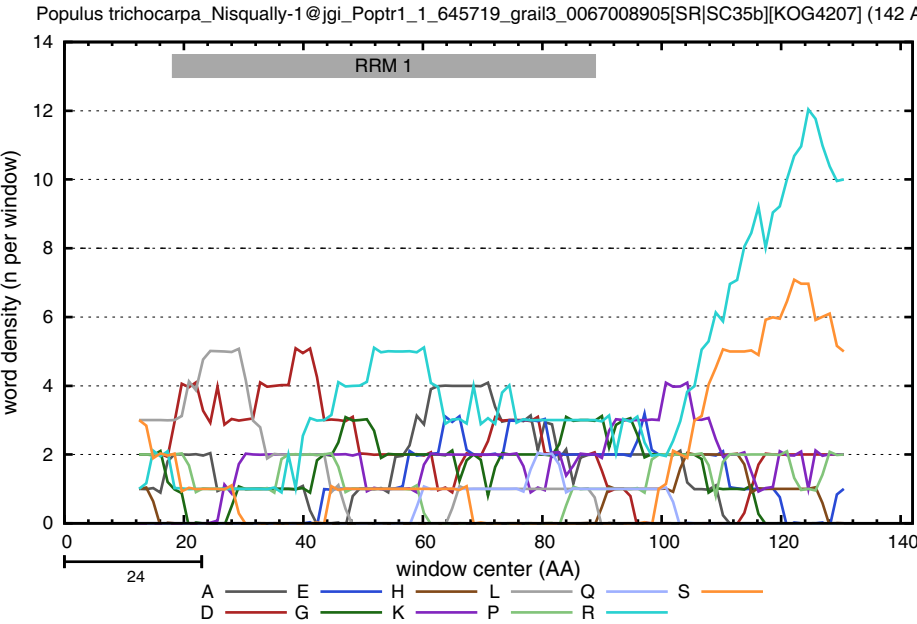
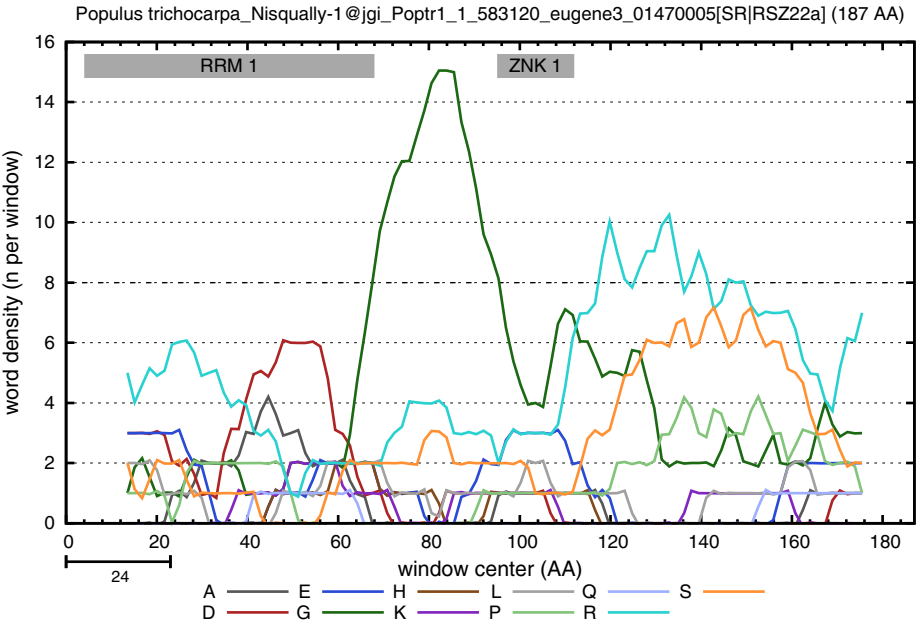
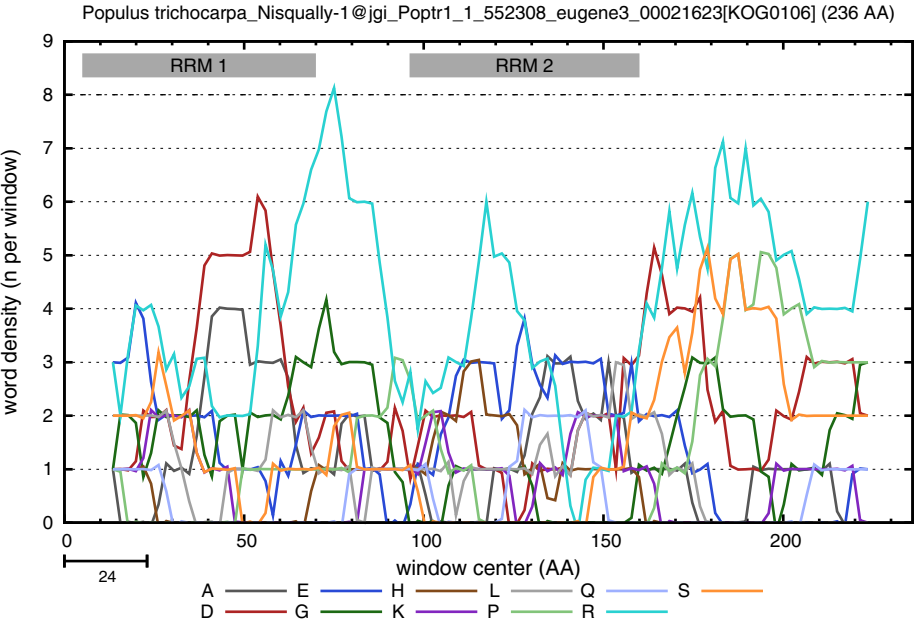
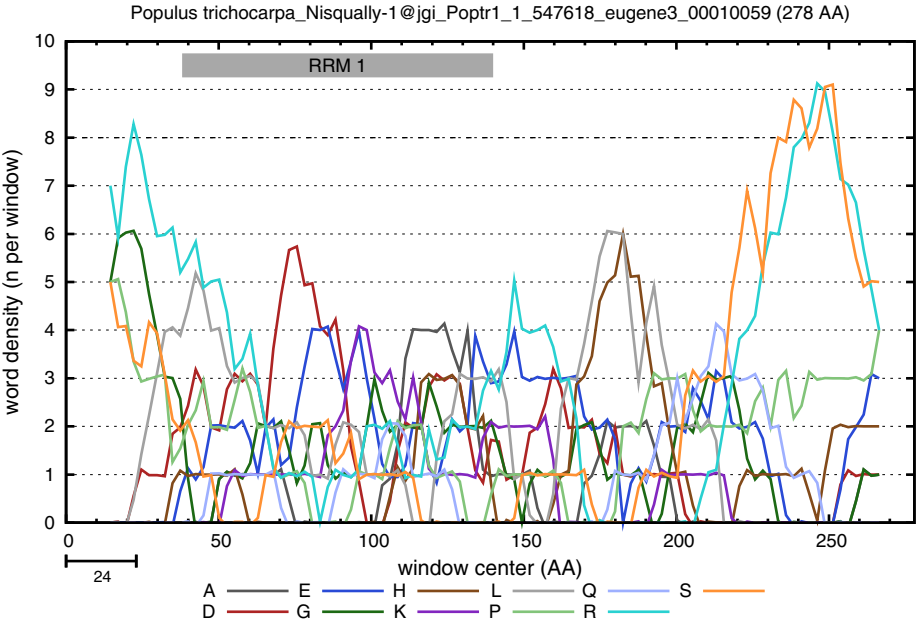


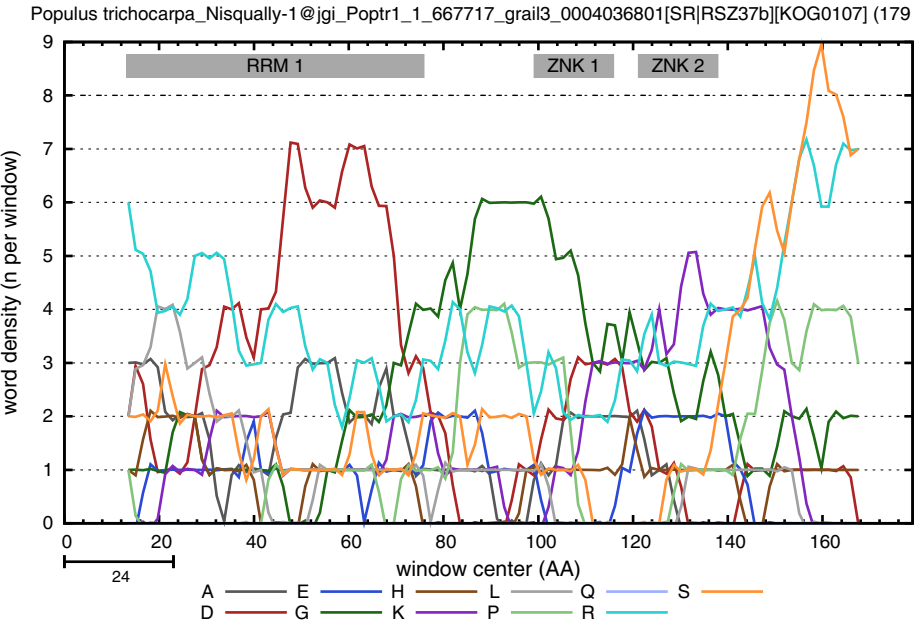
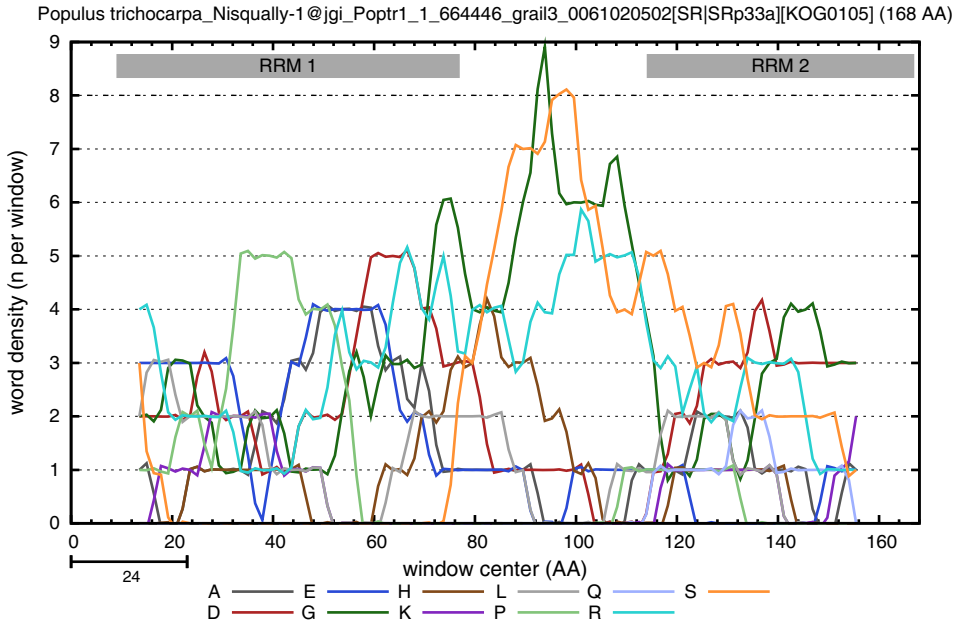
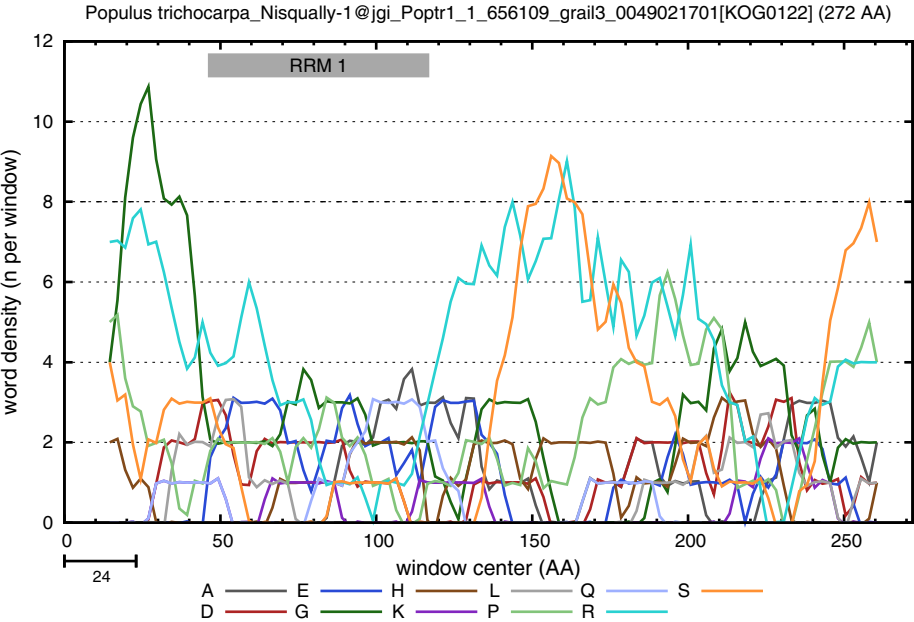
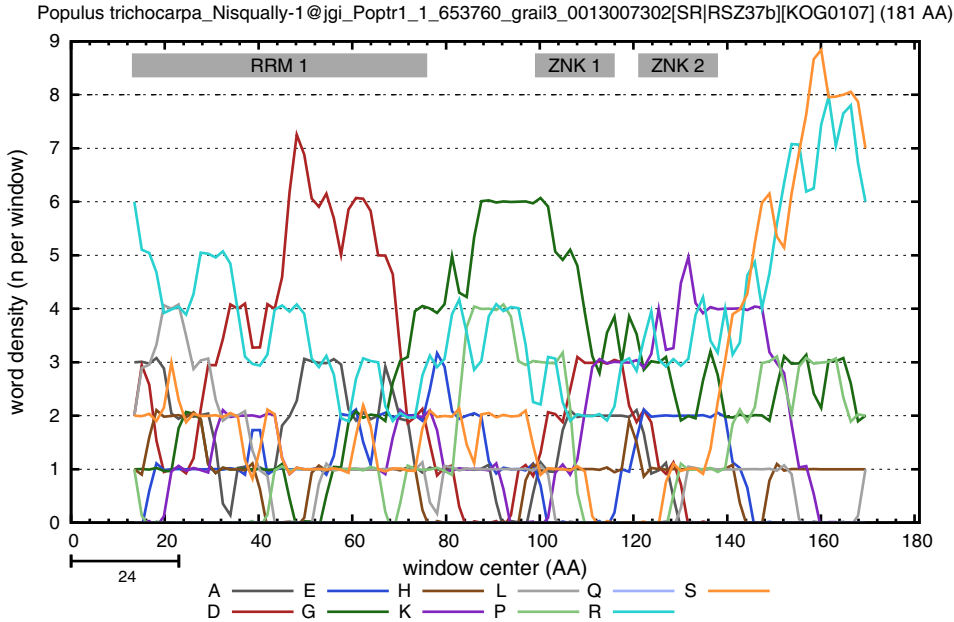




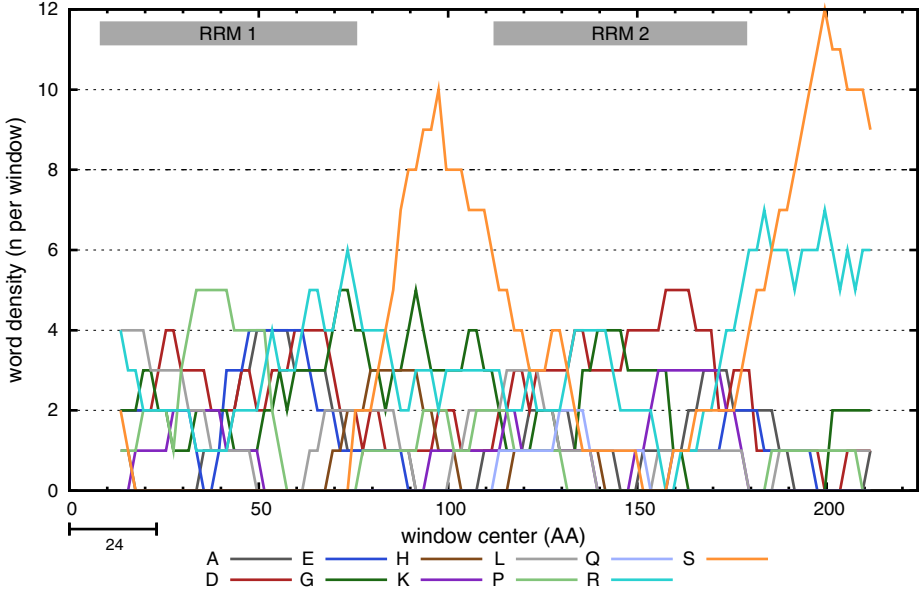
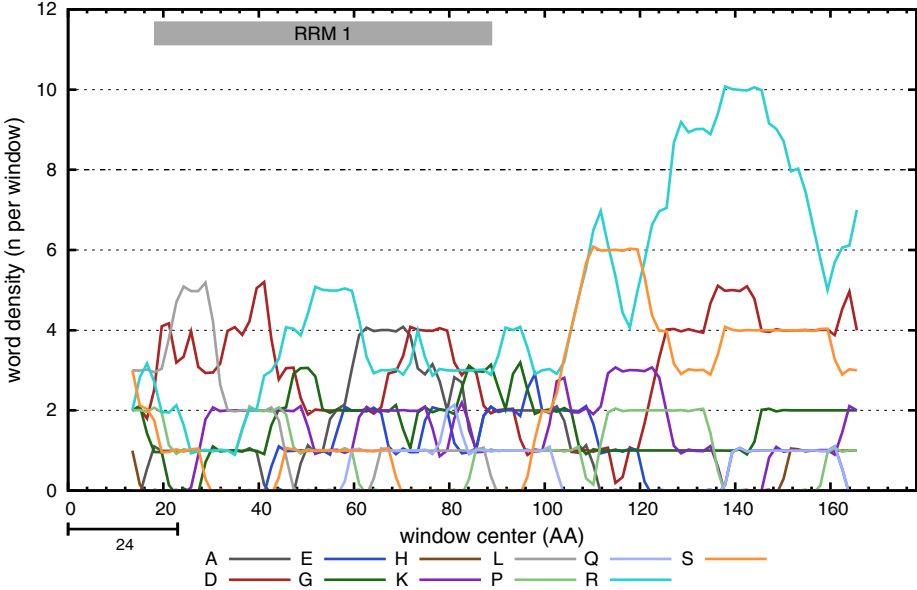




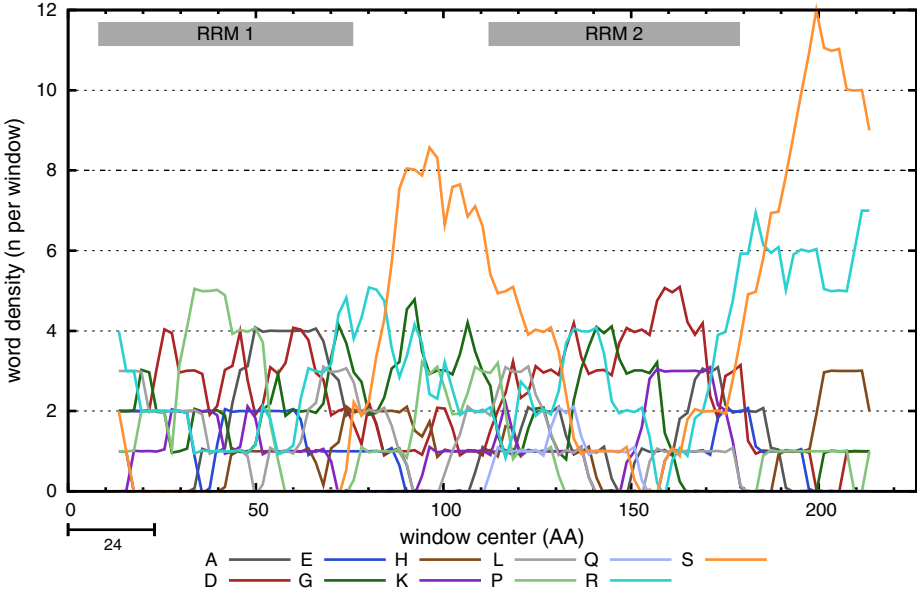




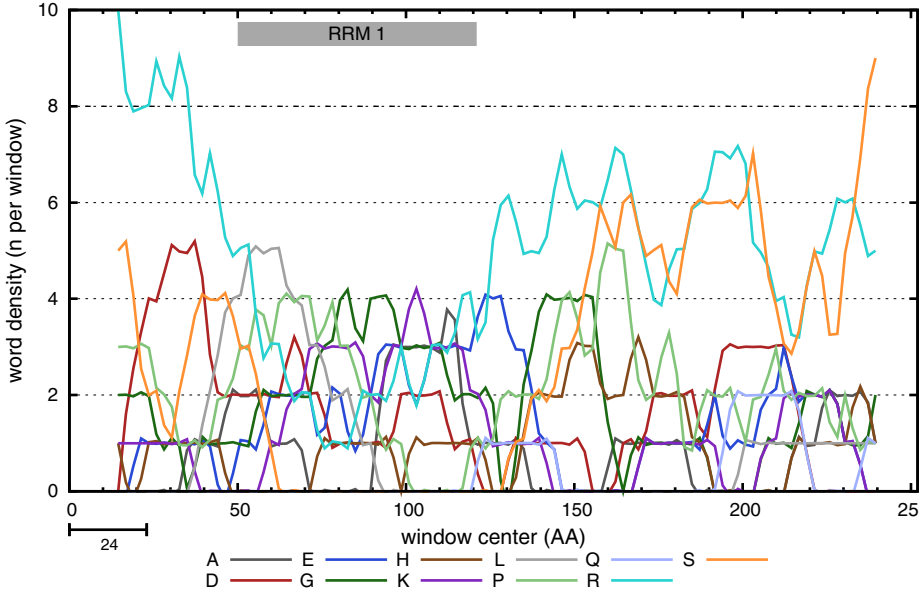
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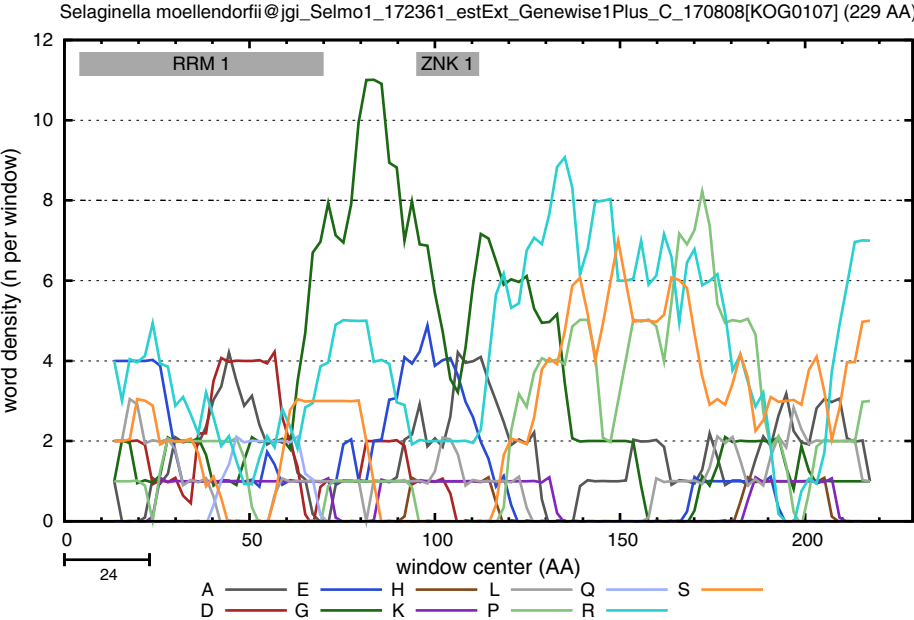
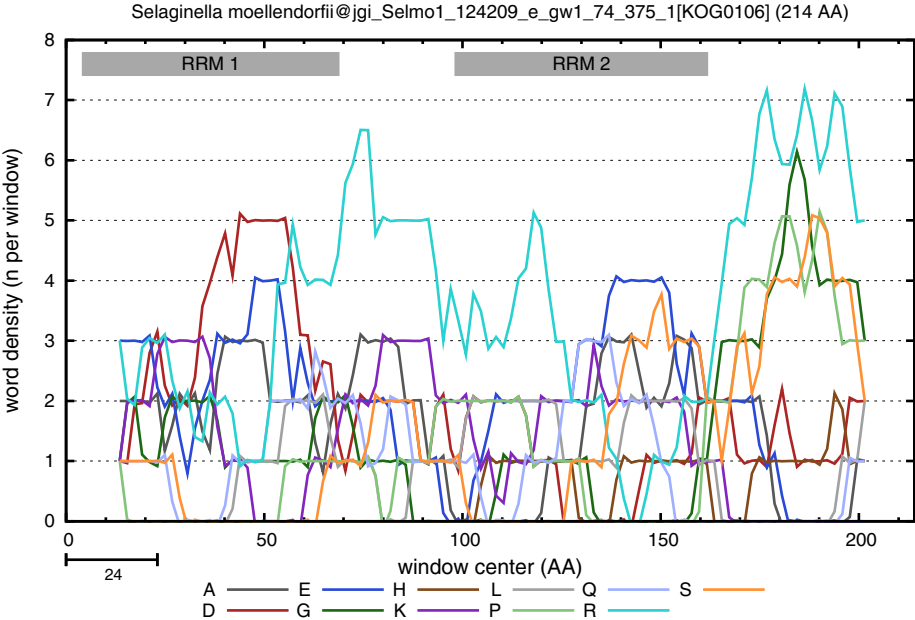
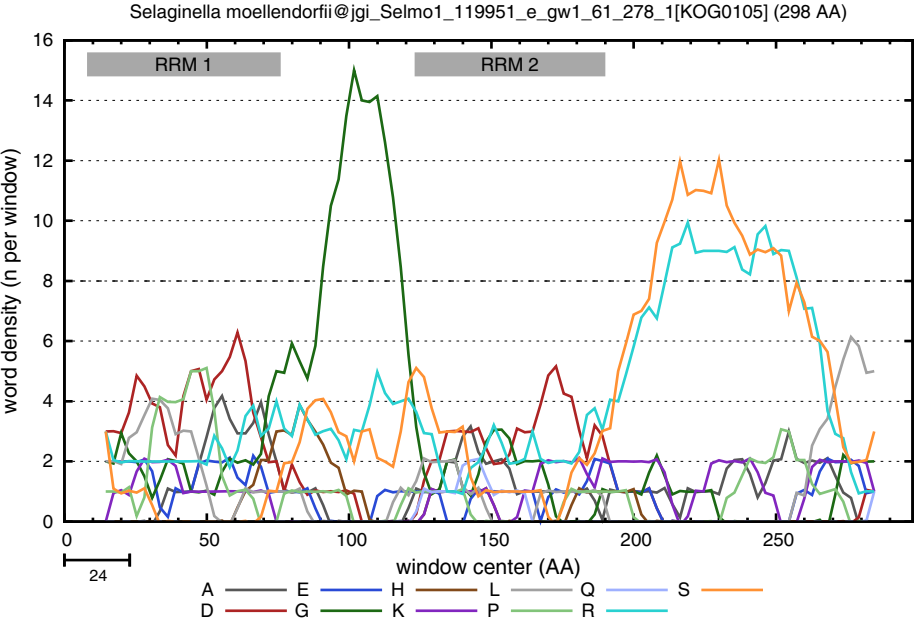
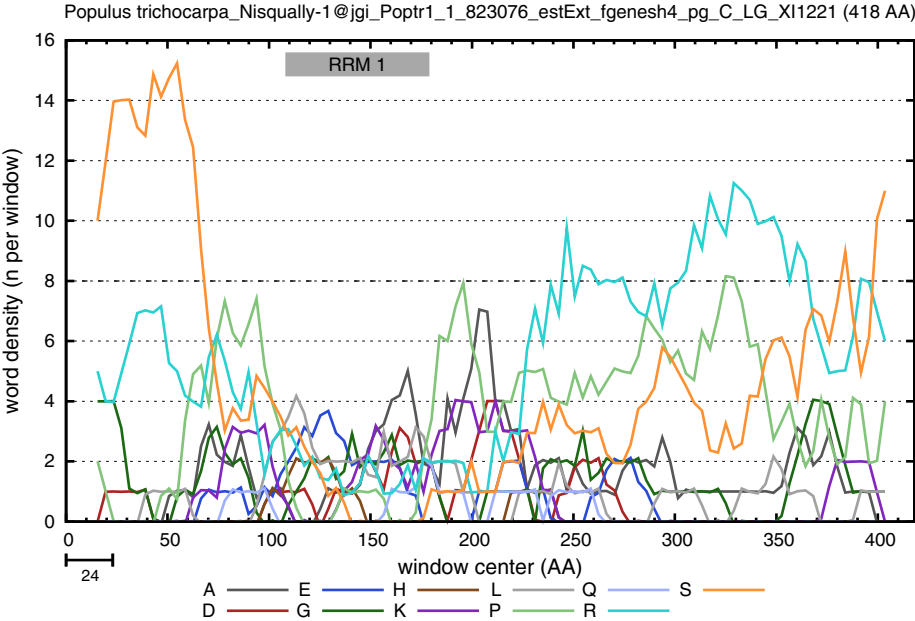


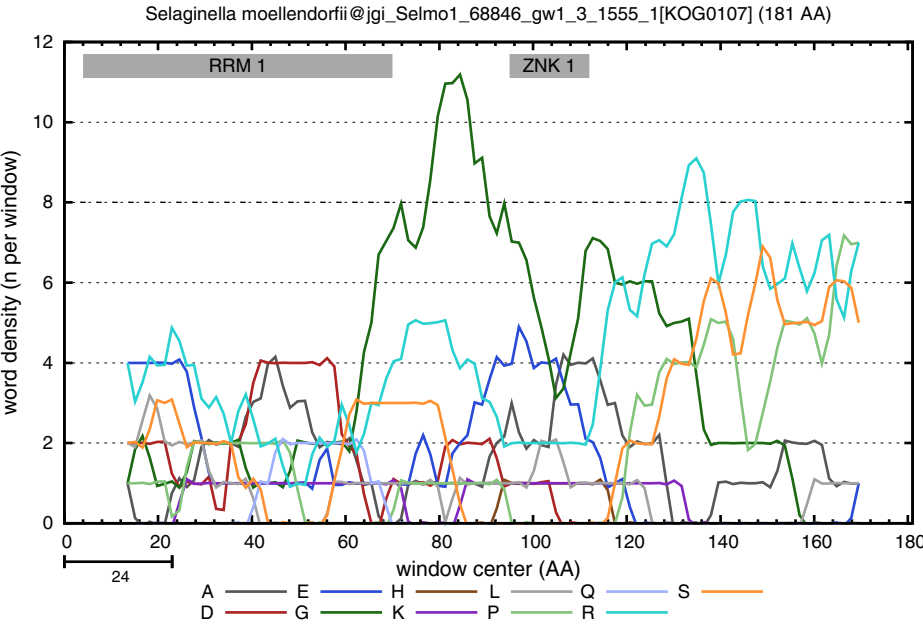
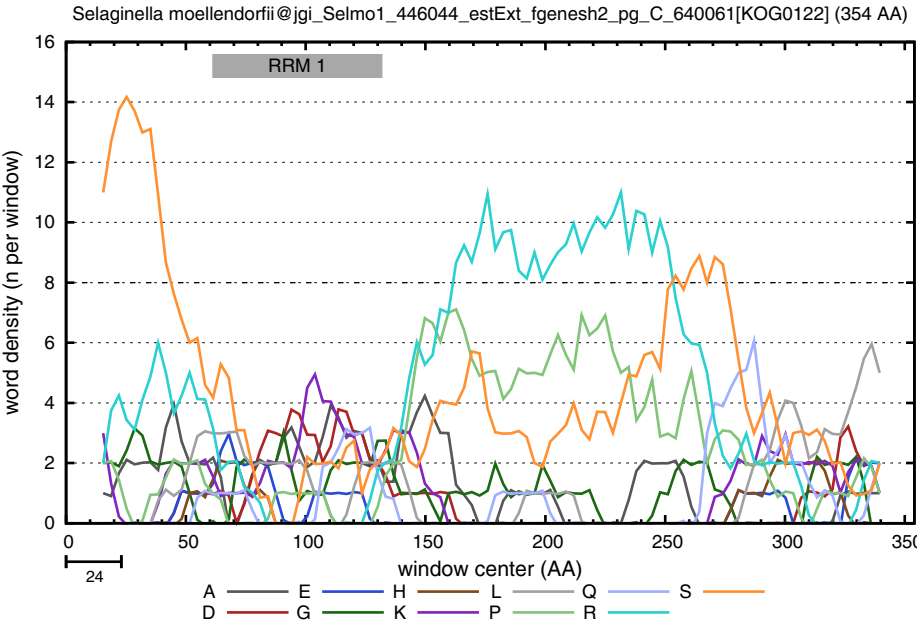
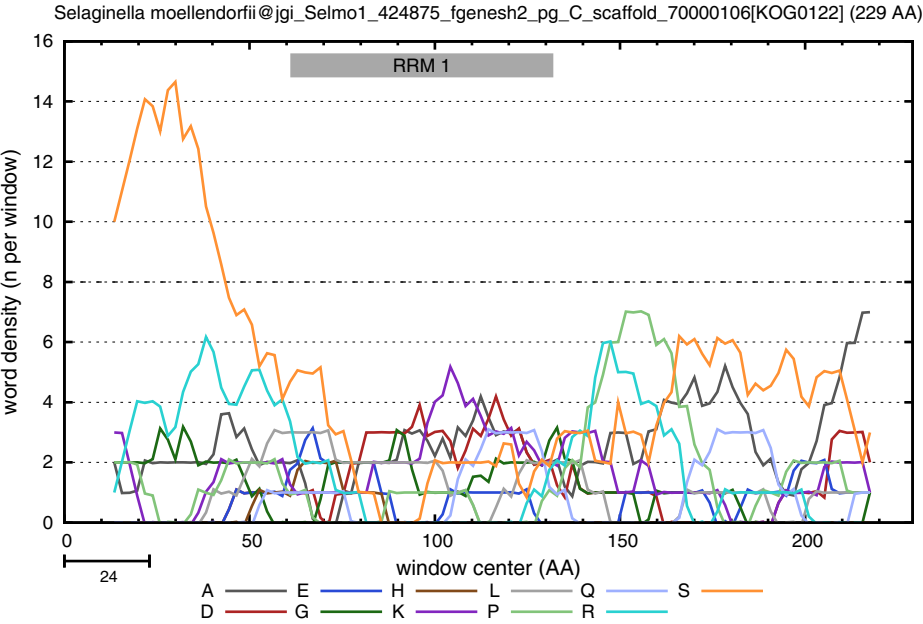
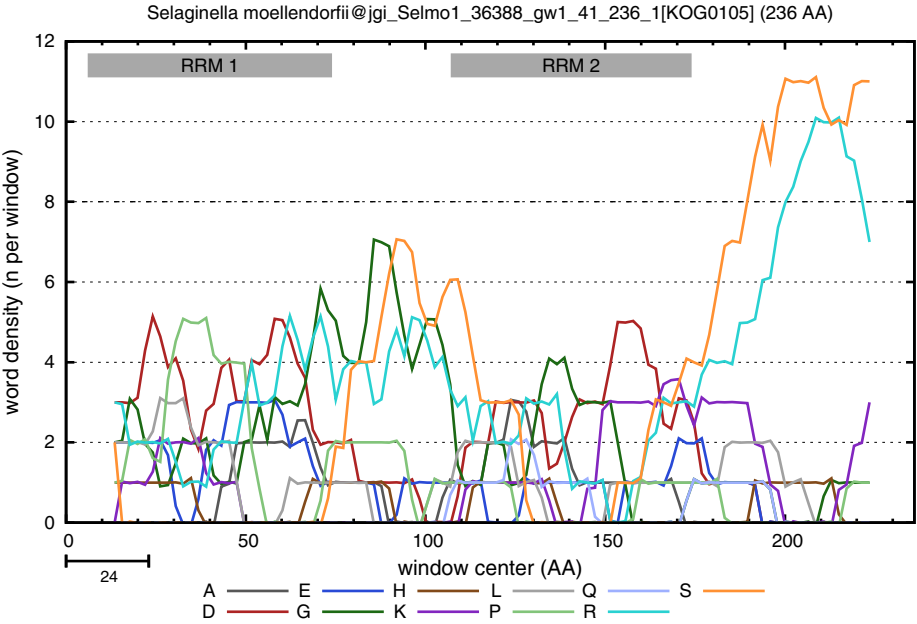
Populus trichocarpa_Nisqually-1@jgi_Poptr1_1_811208_fgenes4_pm_C_scaffold_133000019[KOG0105] (226 AA)

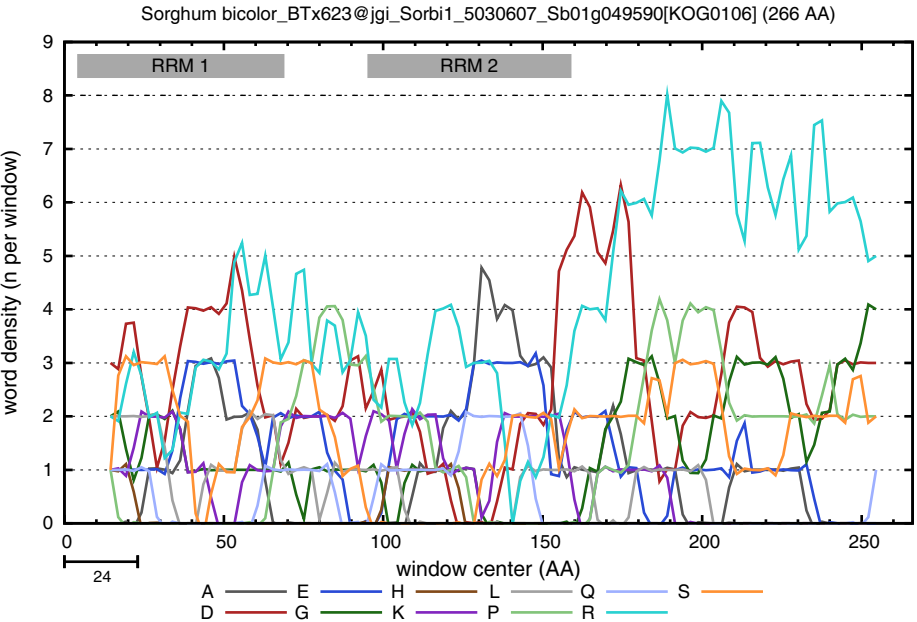
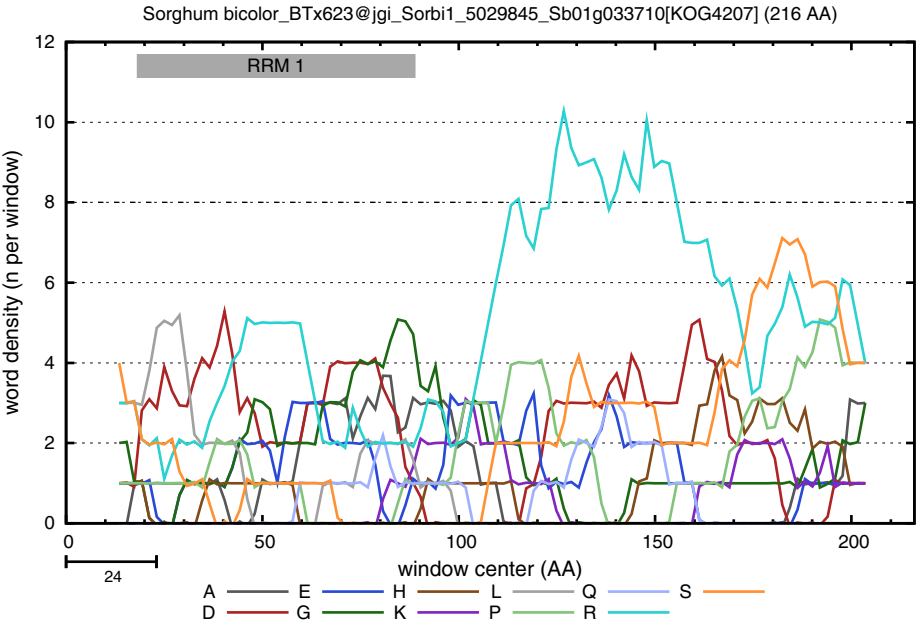
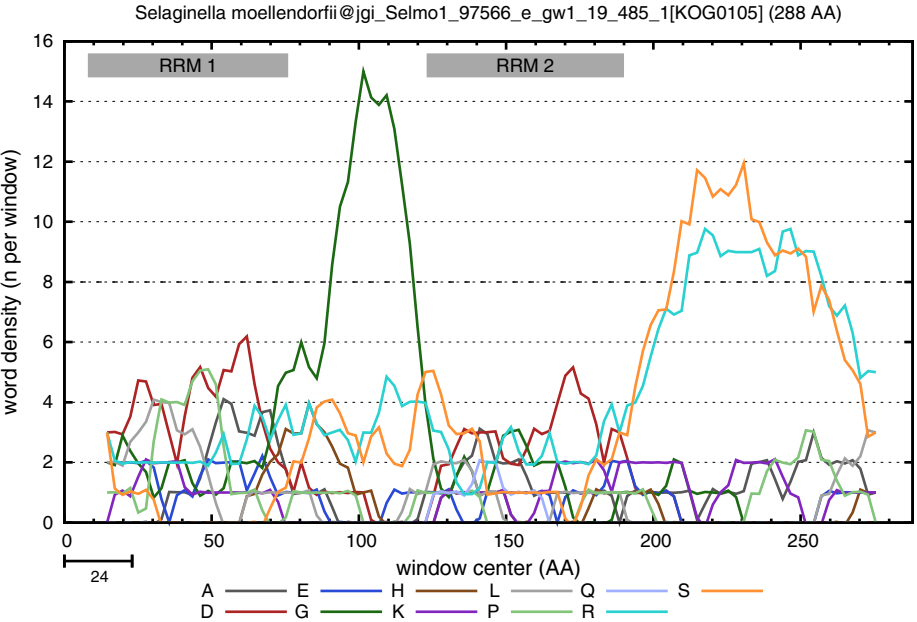
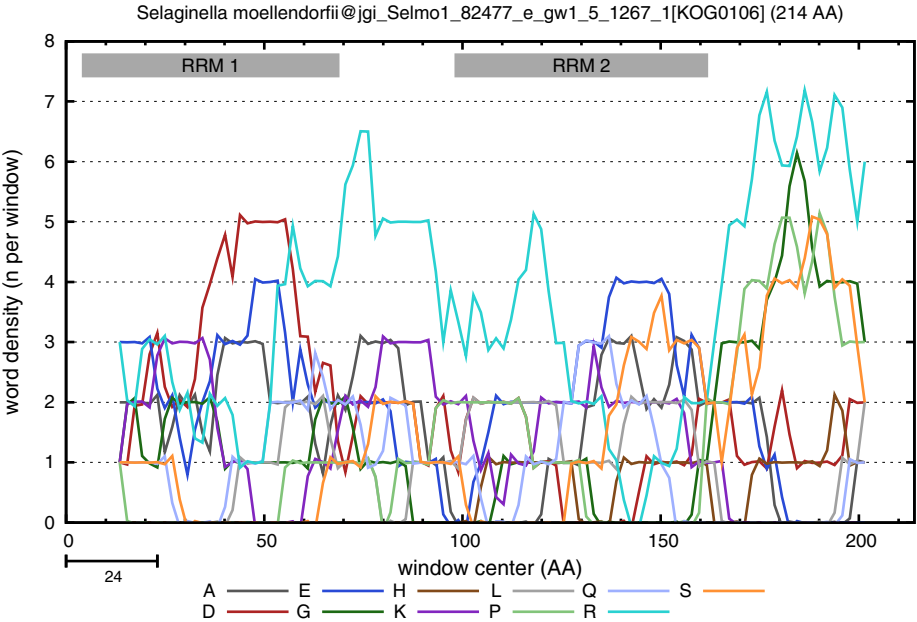


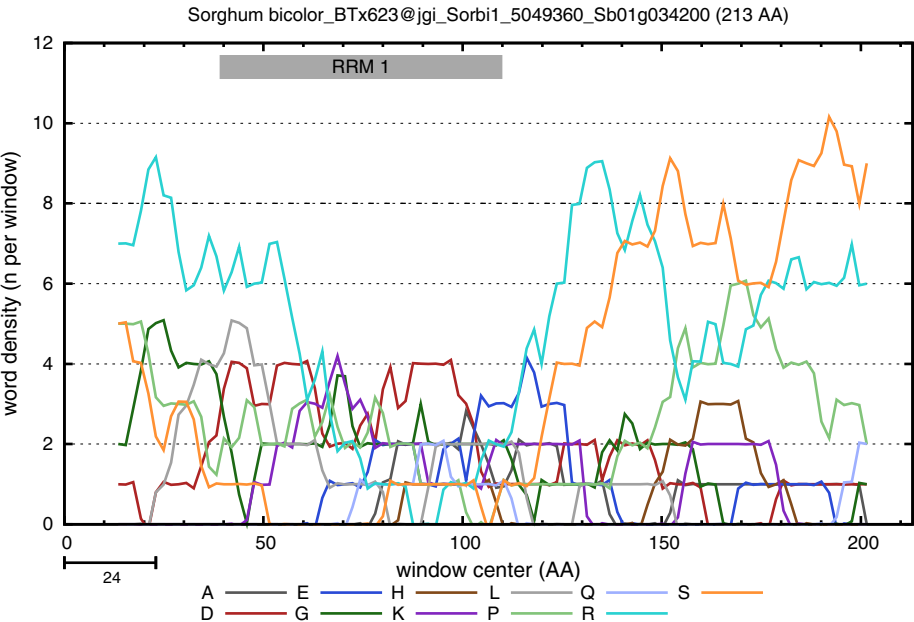
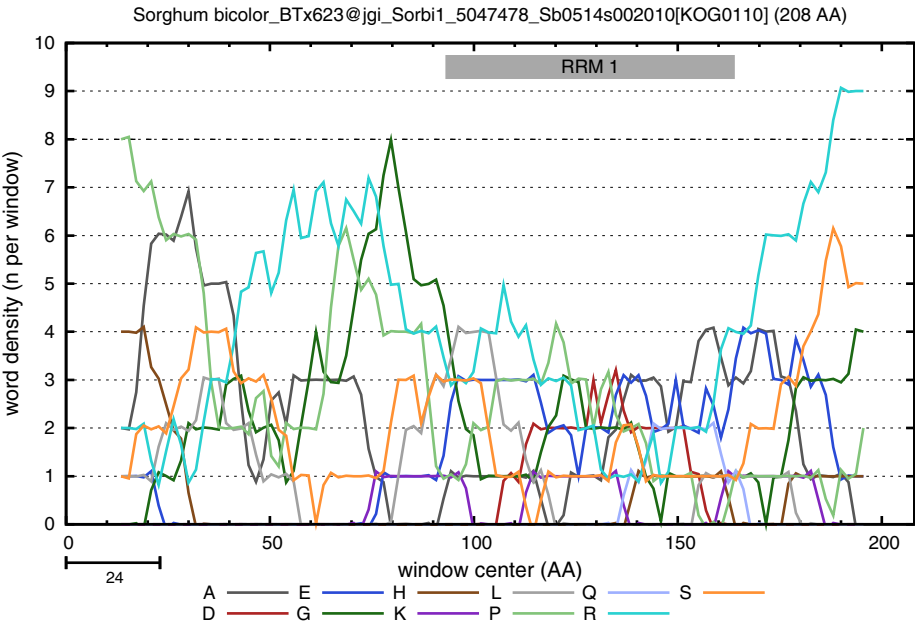
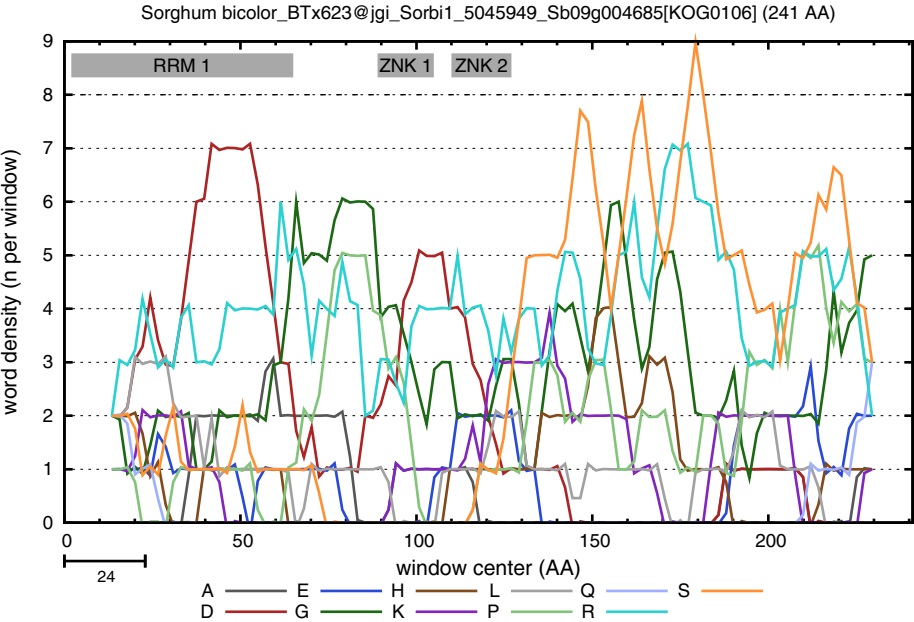
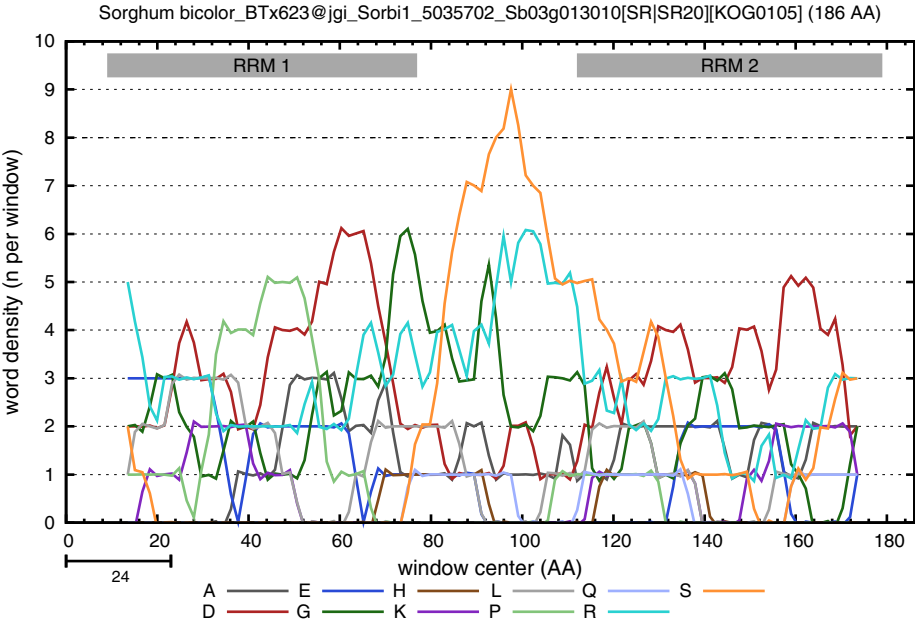
Populus trichocarpa_Nisqually-1@jgi_Poptr1_1_814124_estExt_fgenes4_kg_C_LG_X0007 (252 AA)

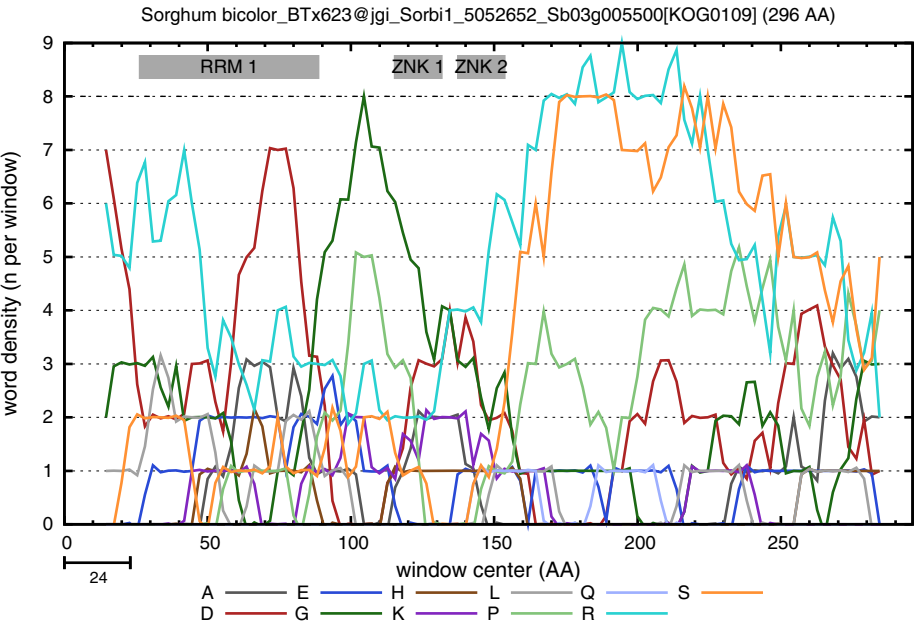
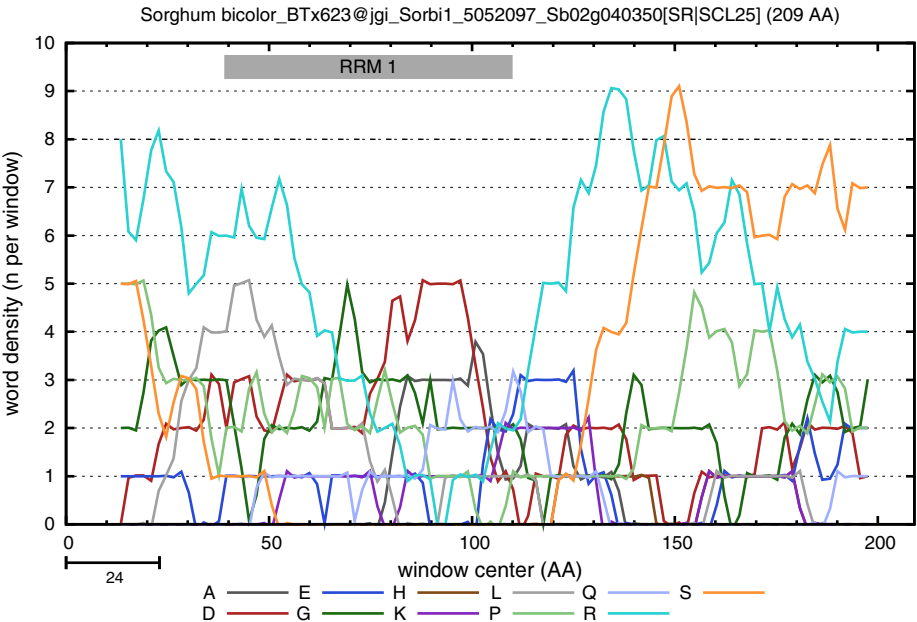
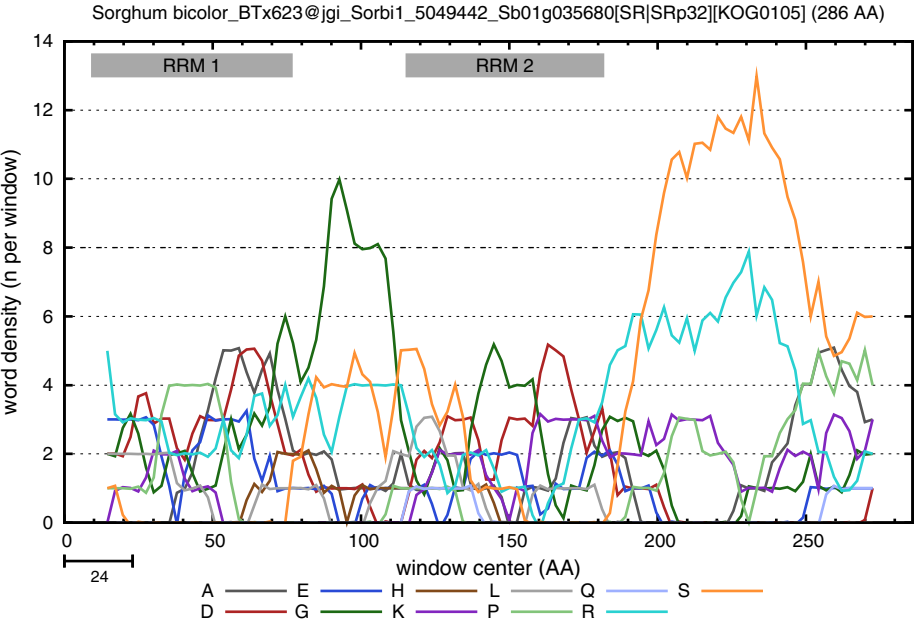
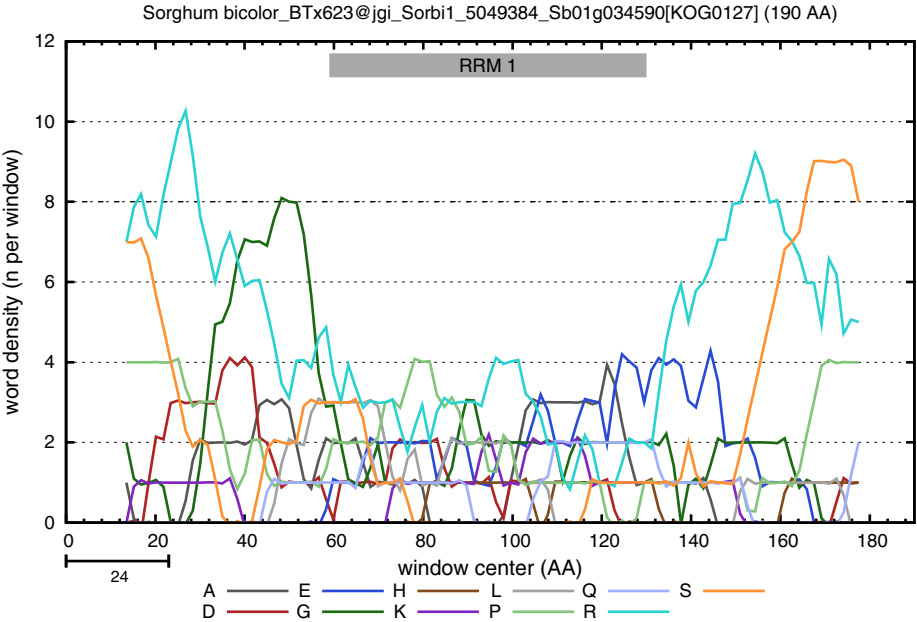


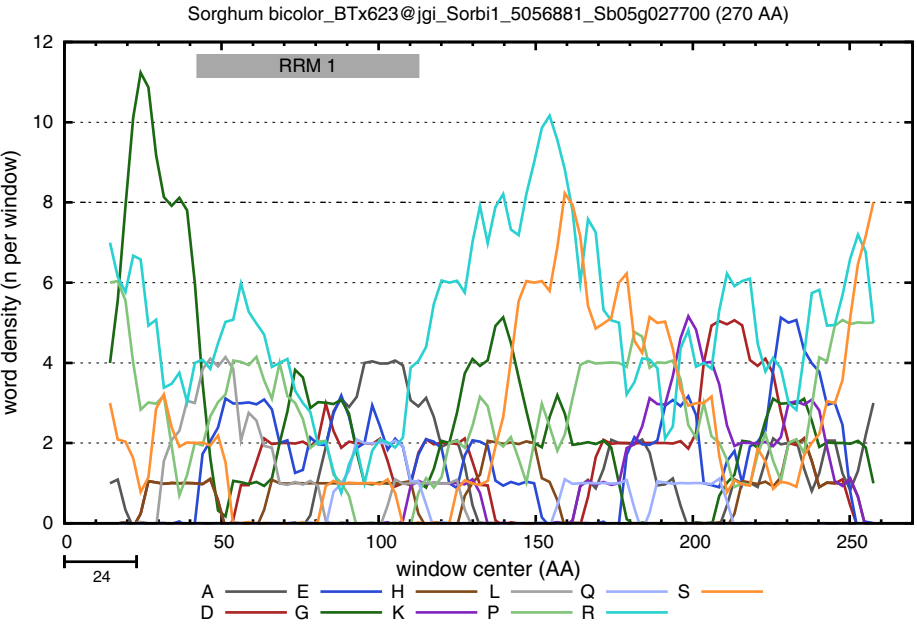
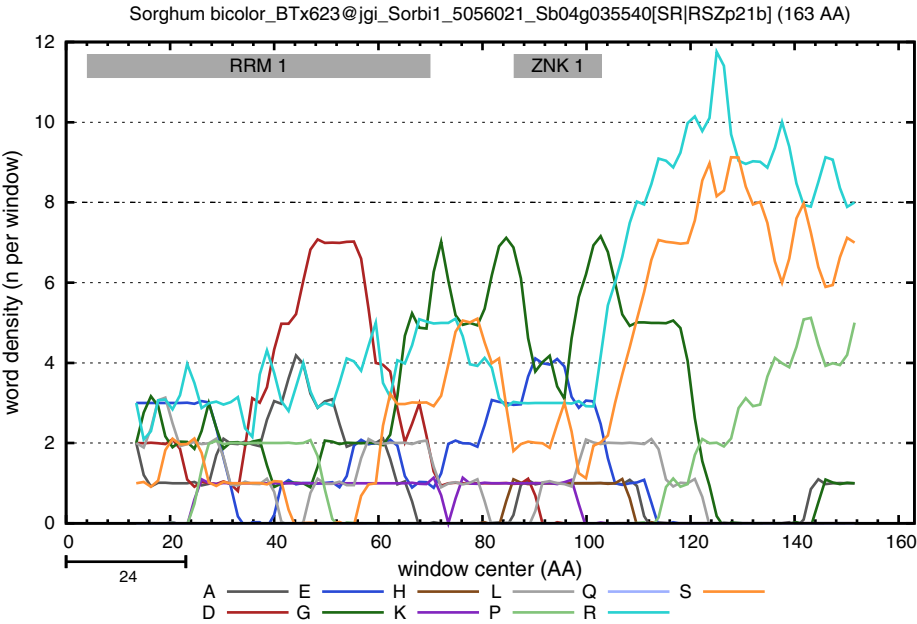
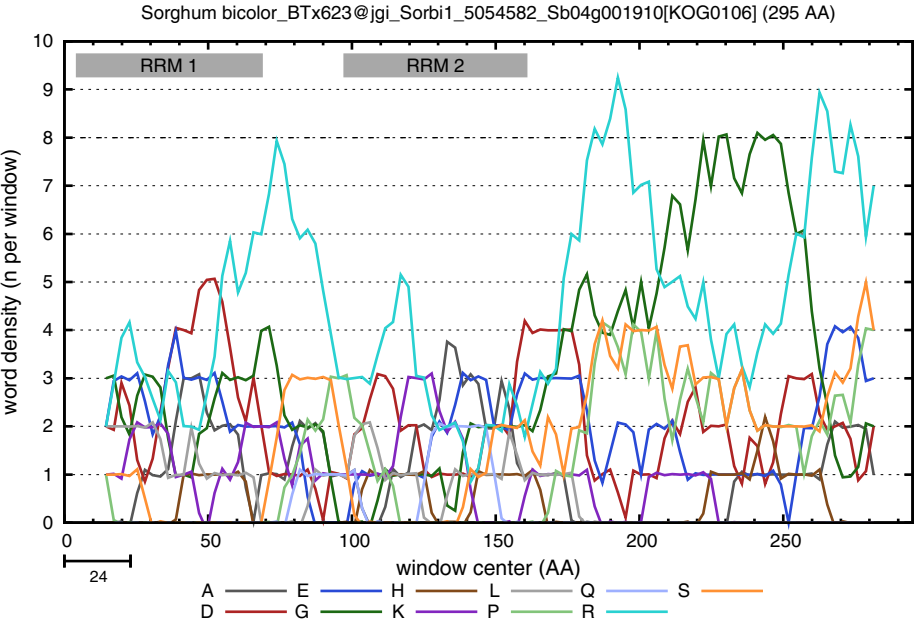
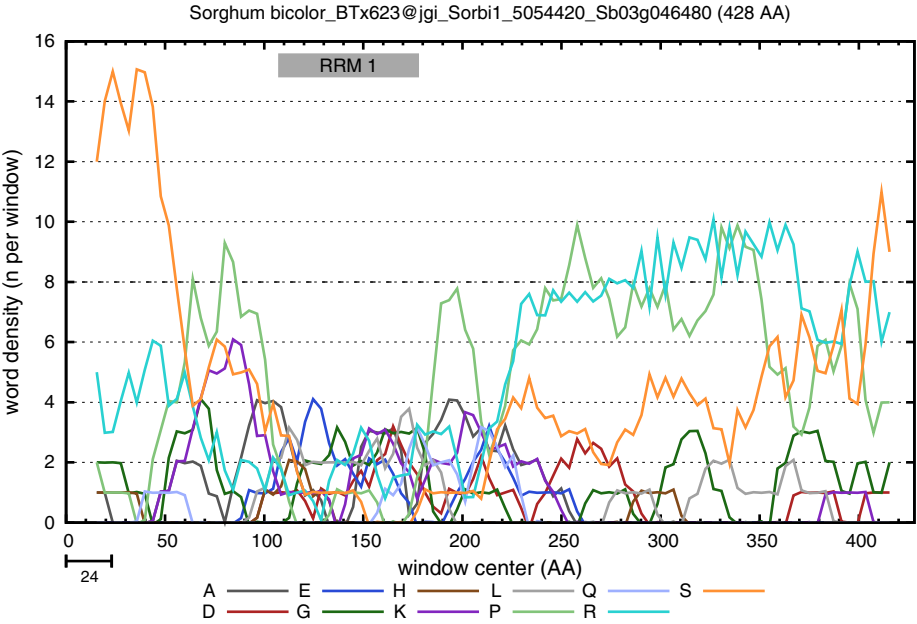


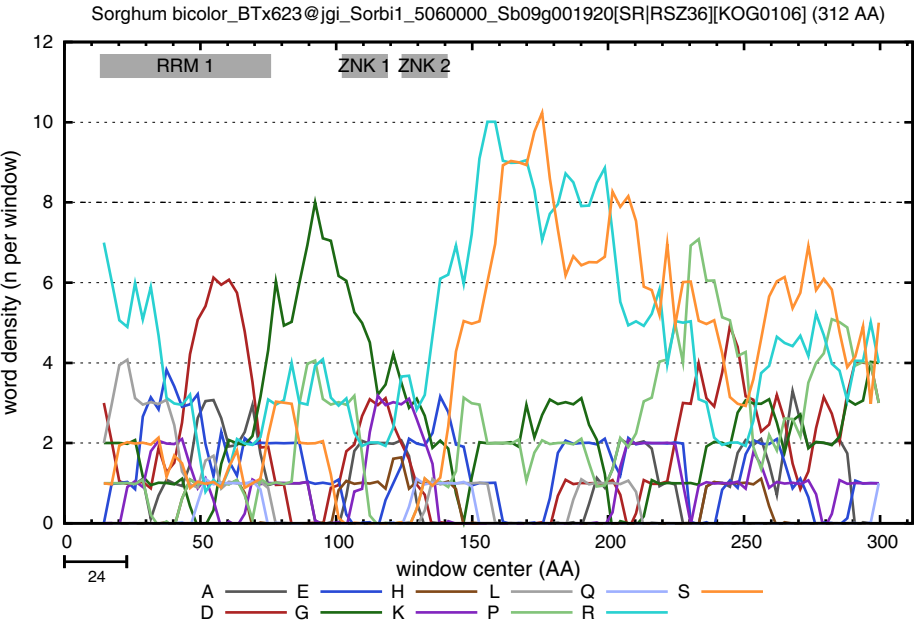
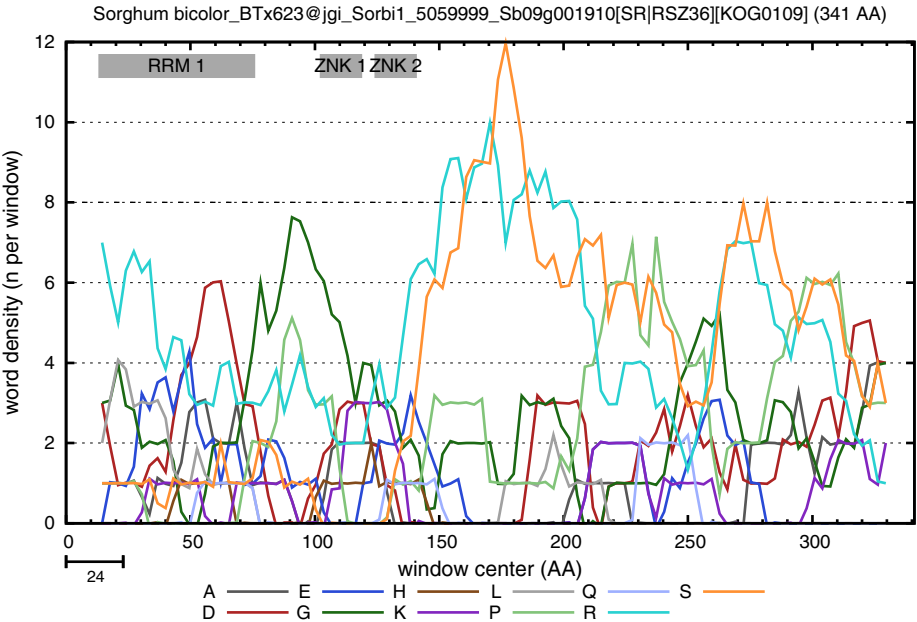
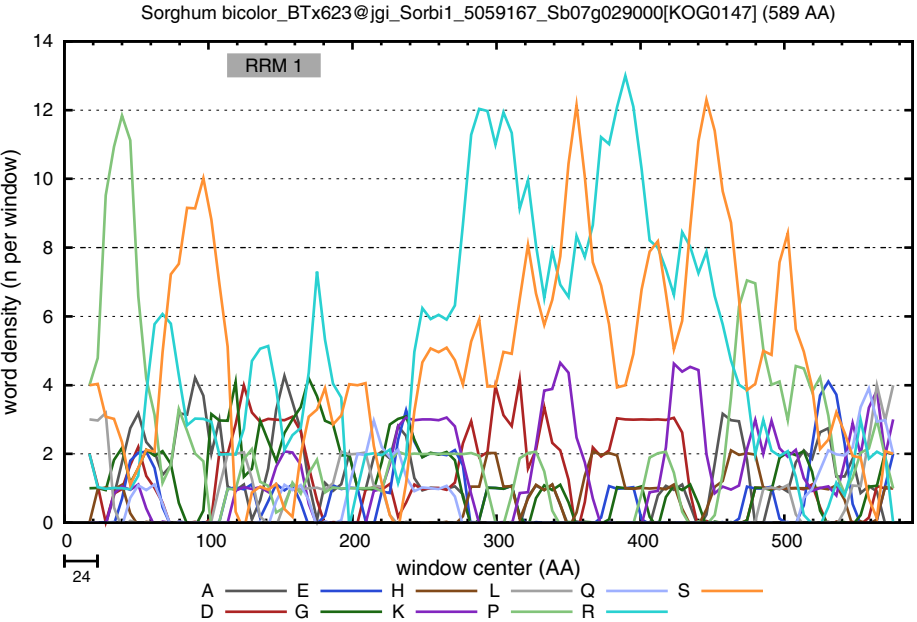
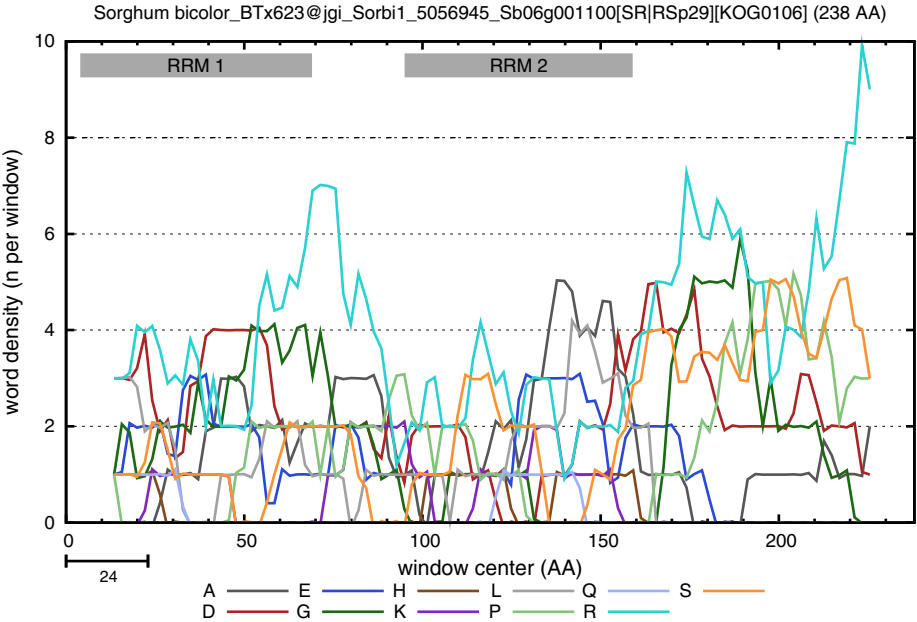


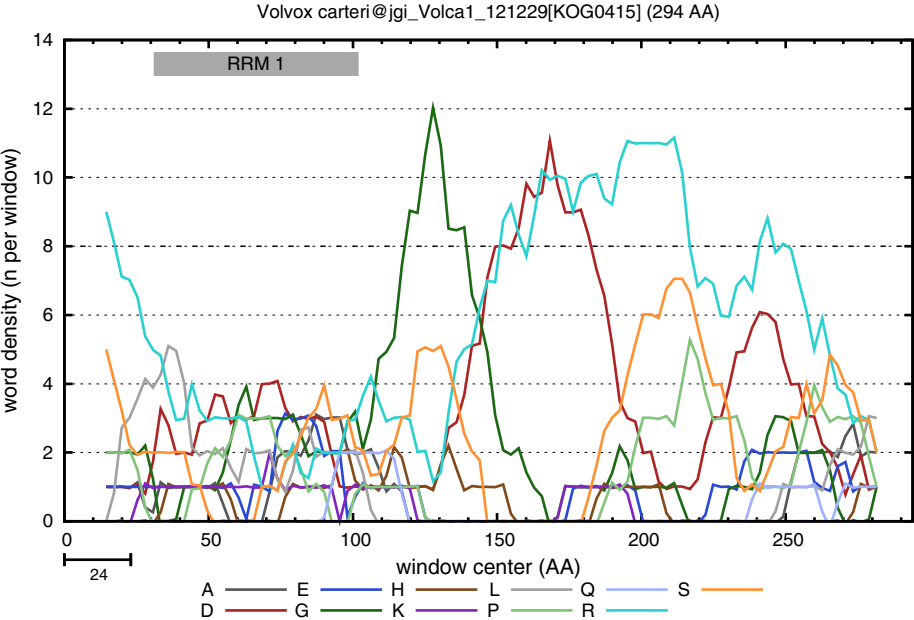
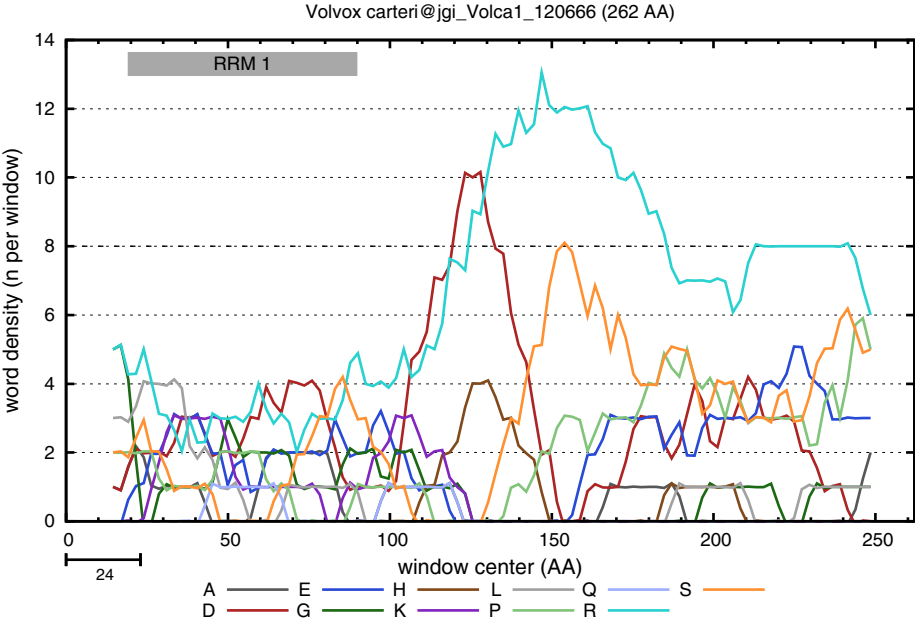
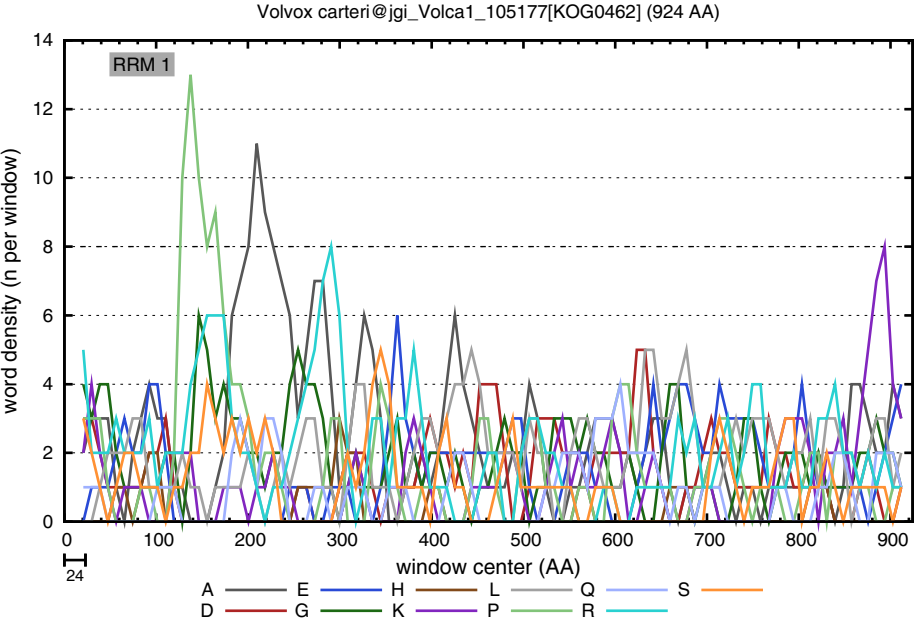
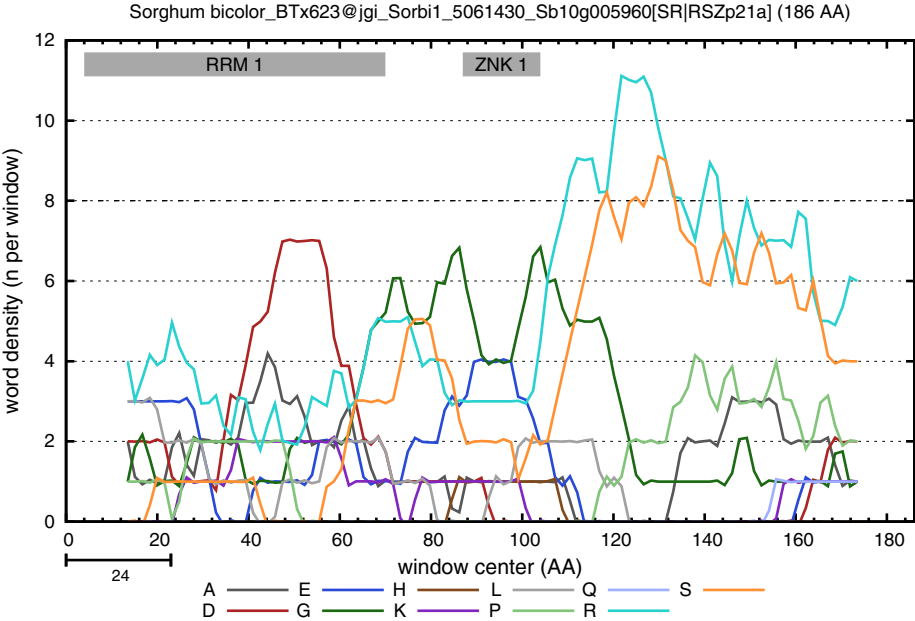


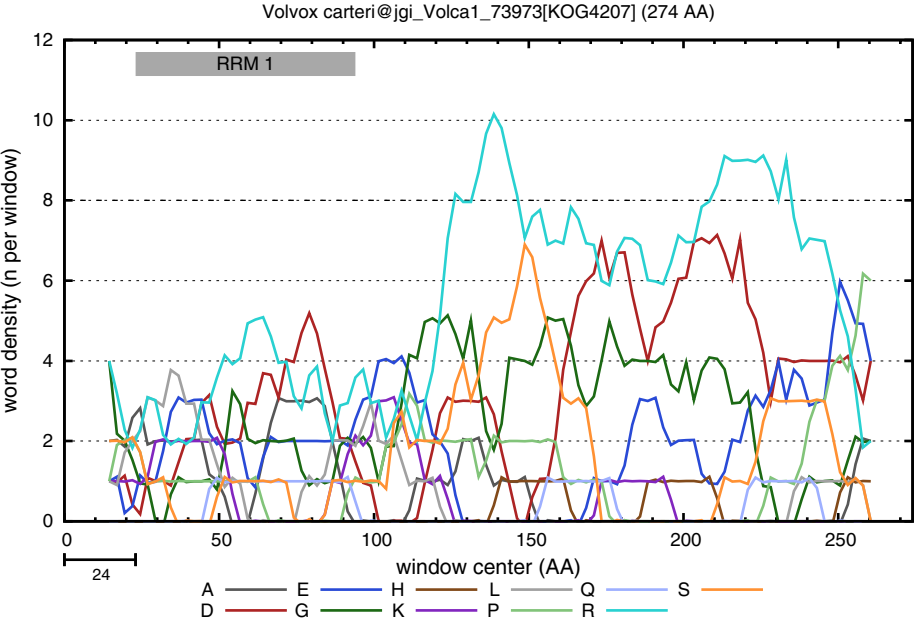
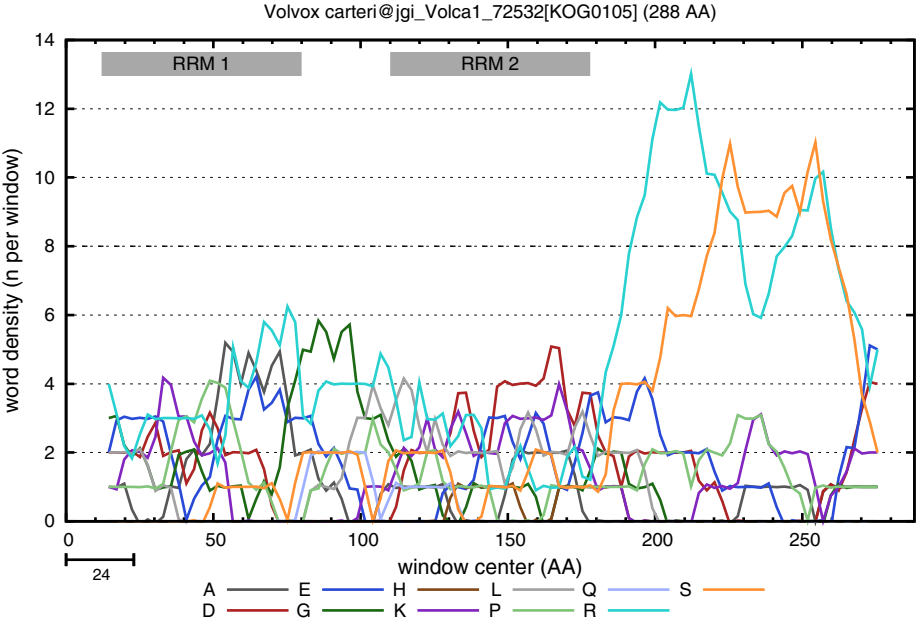
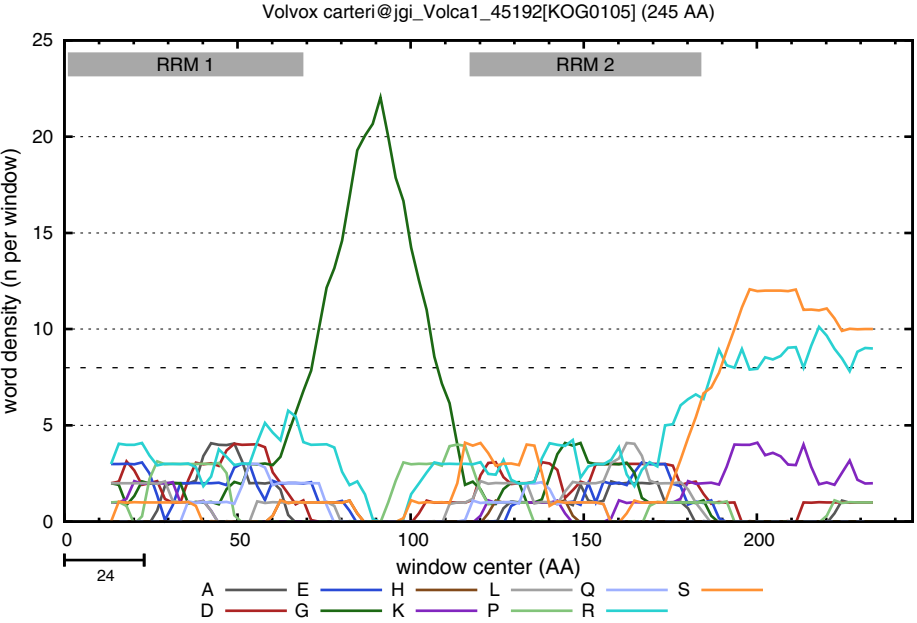
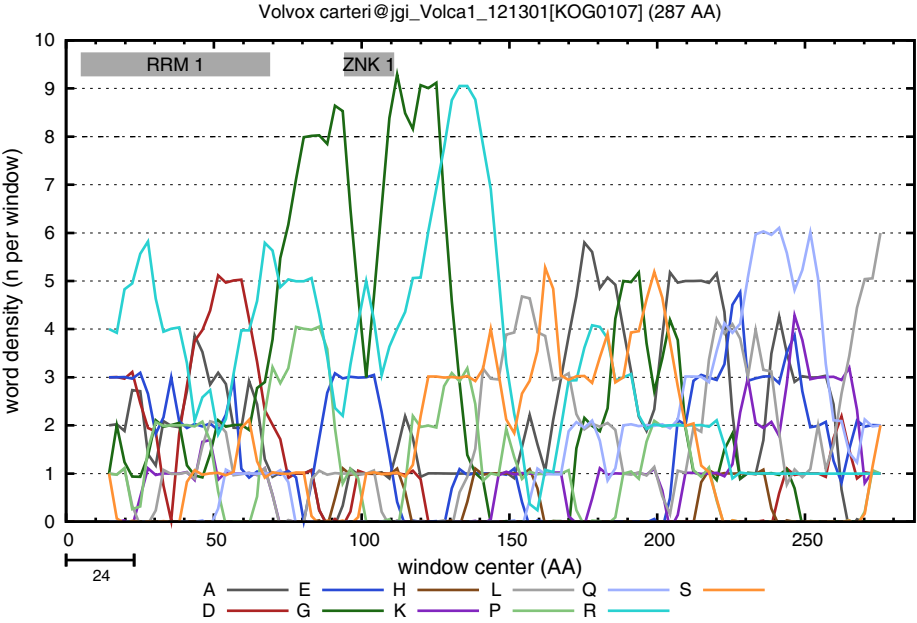


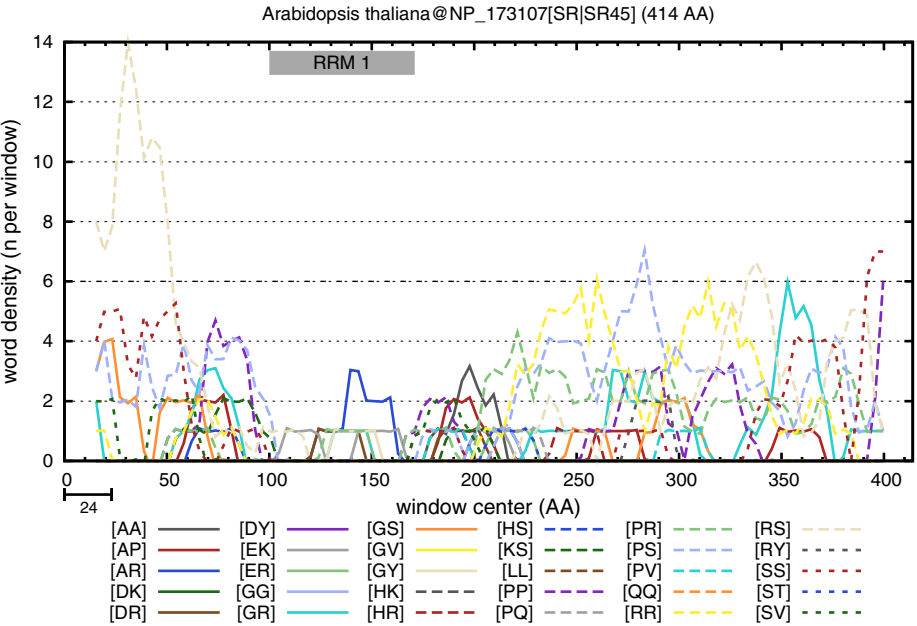
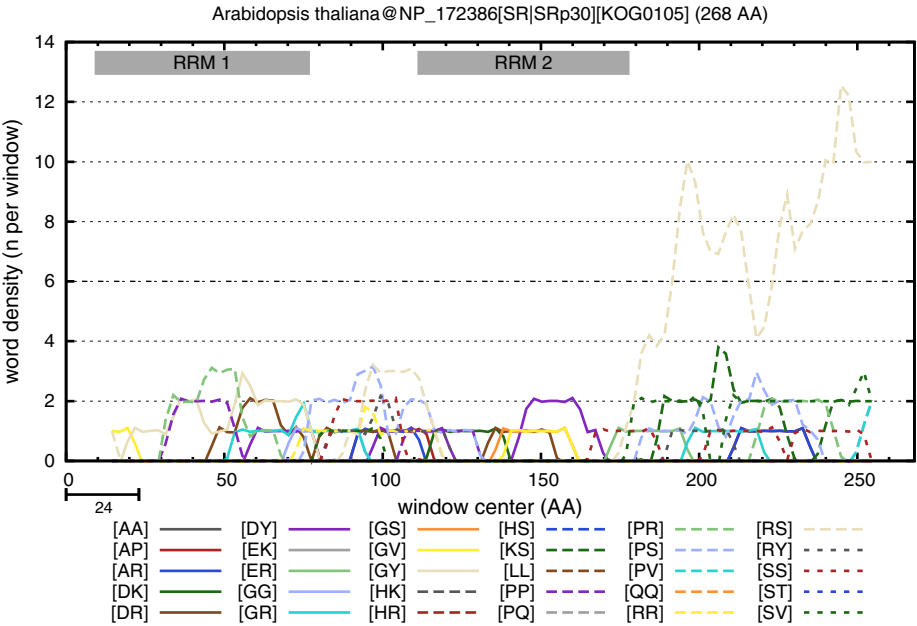
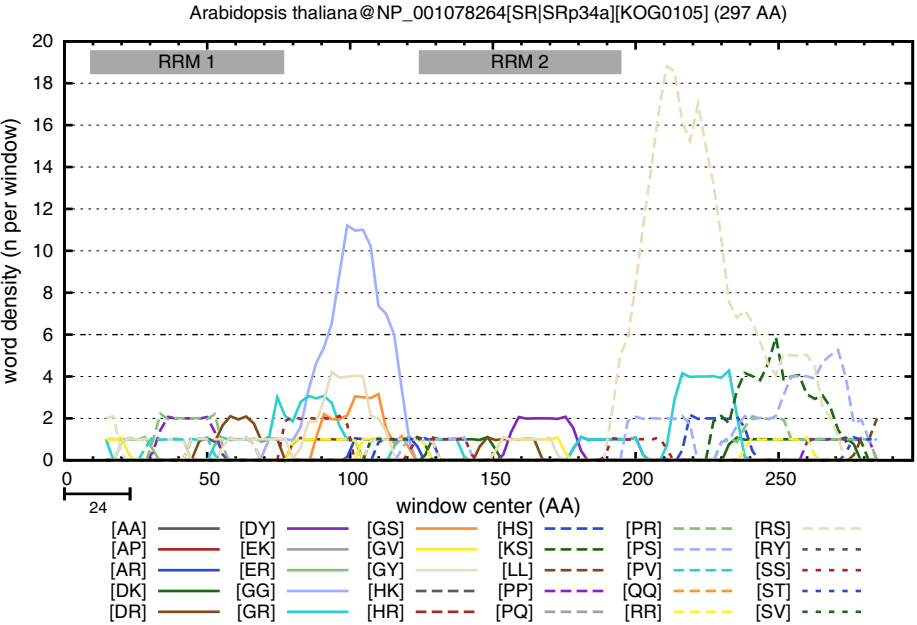
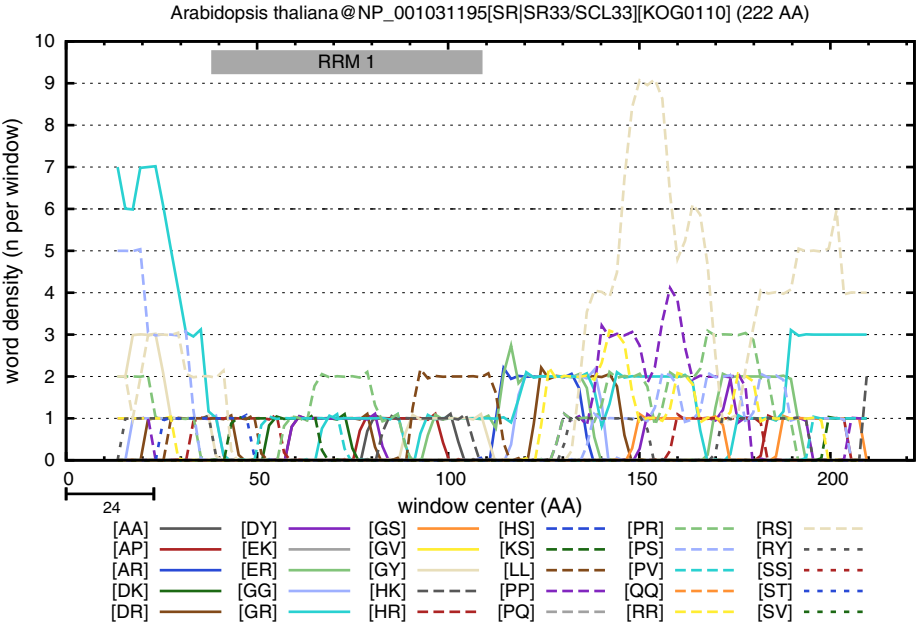


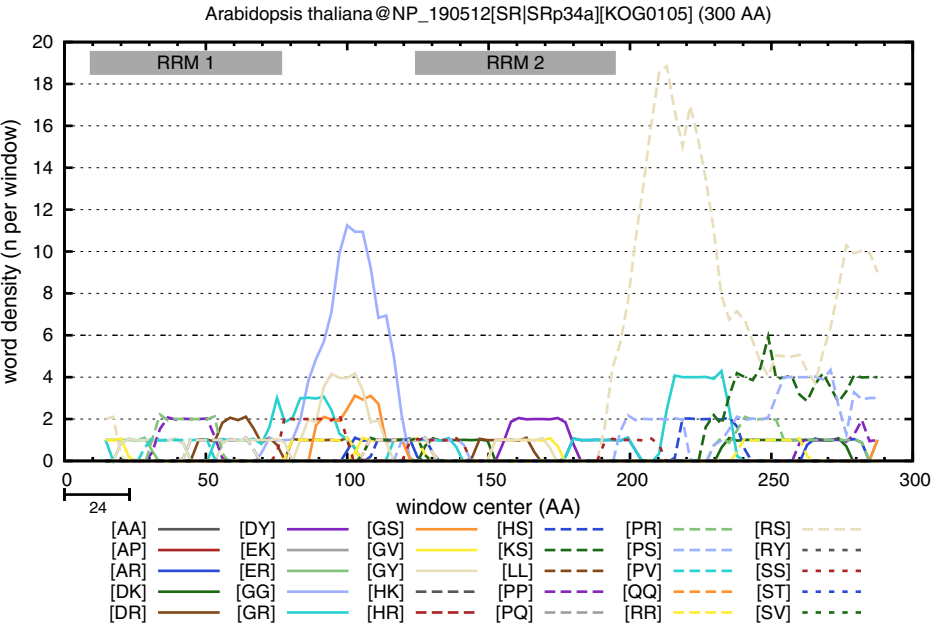
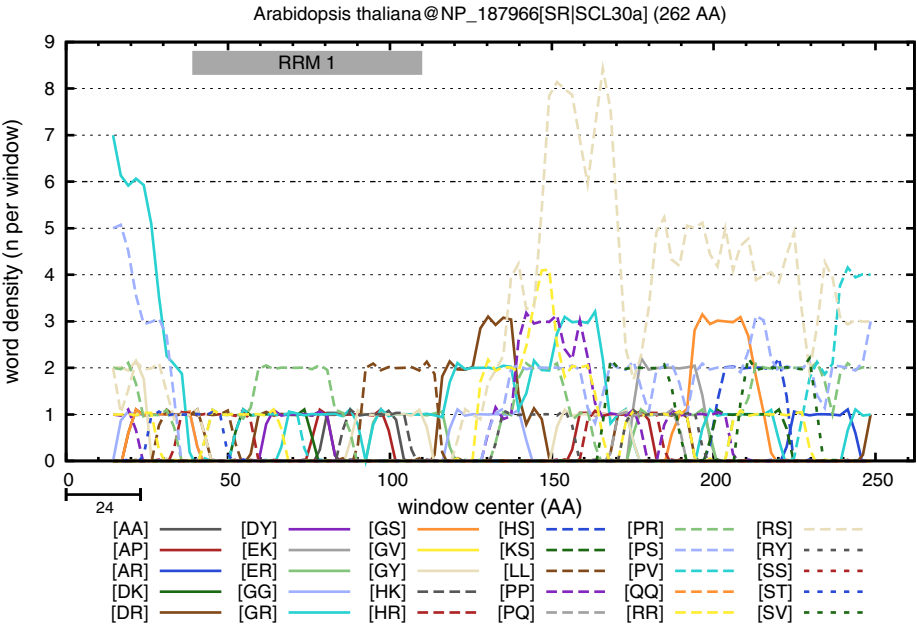
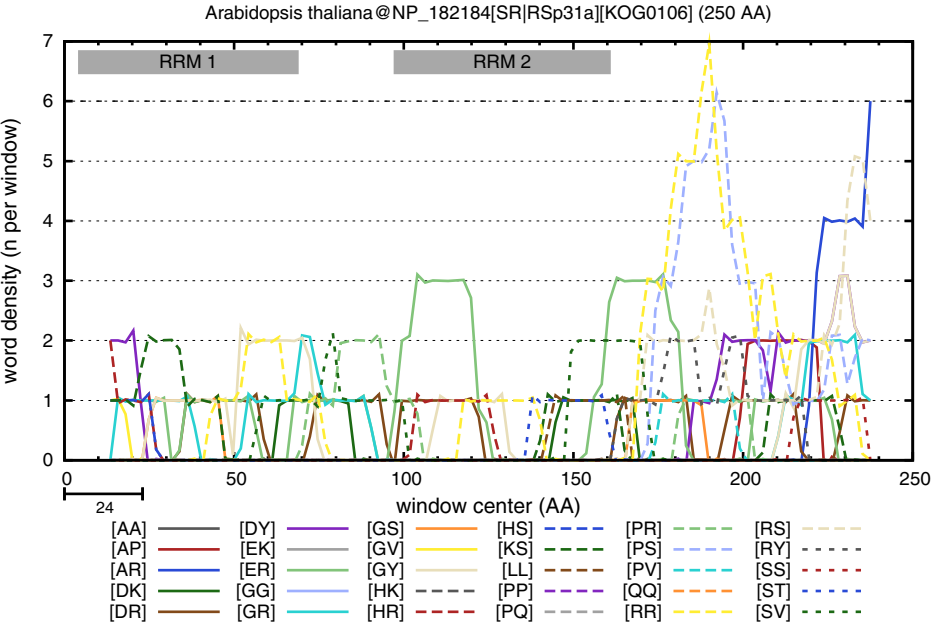
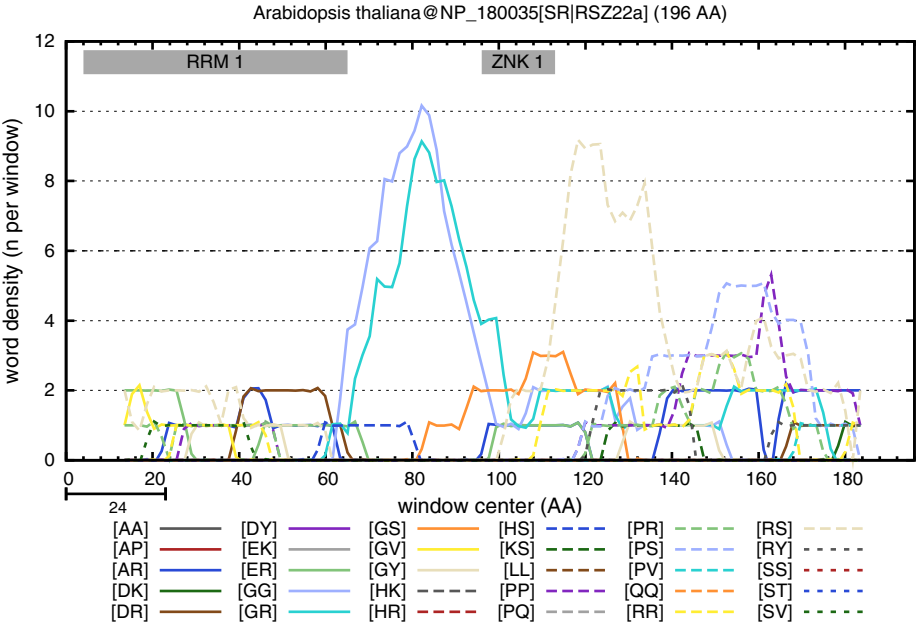


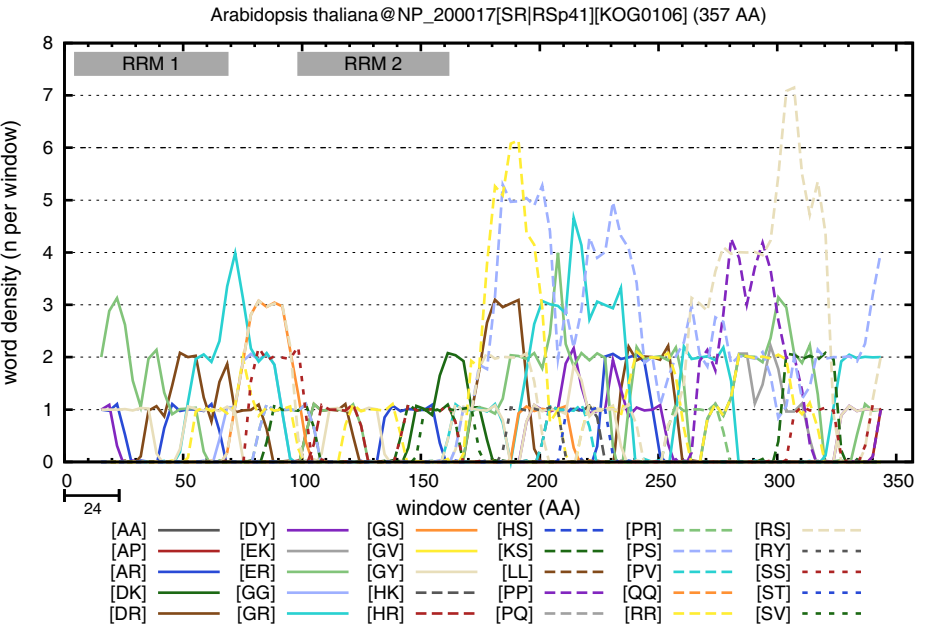
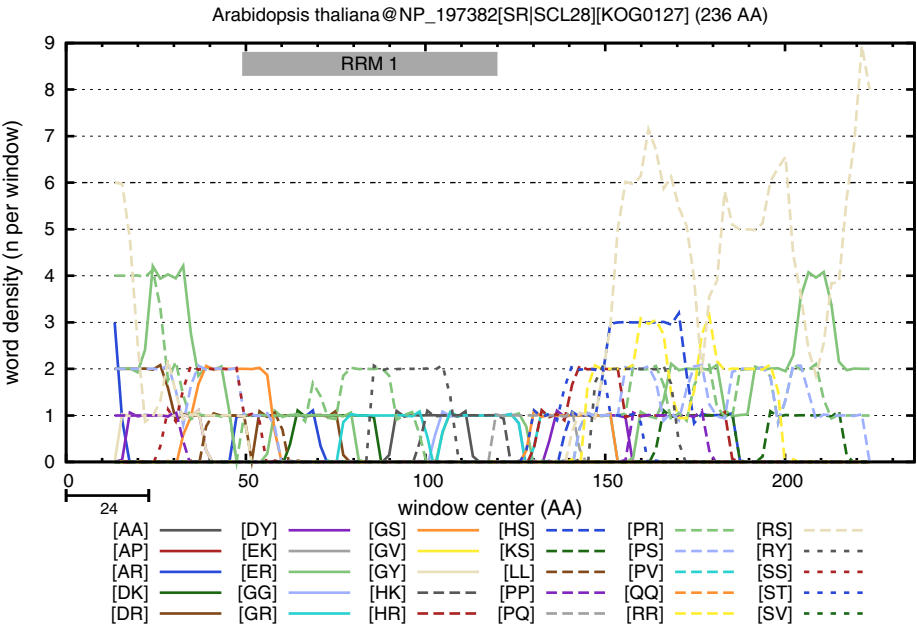
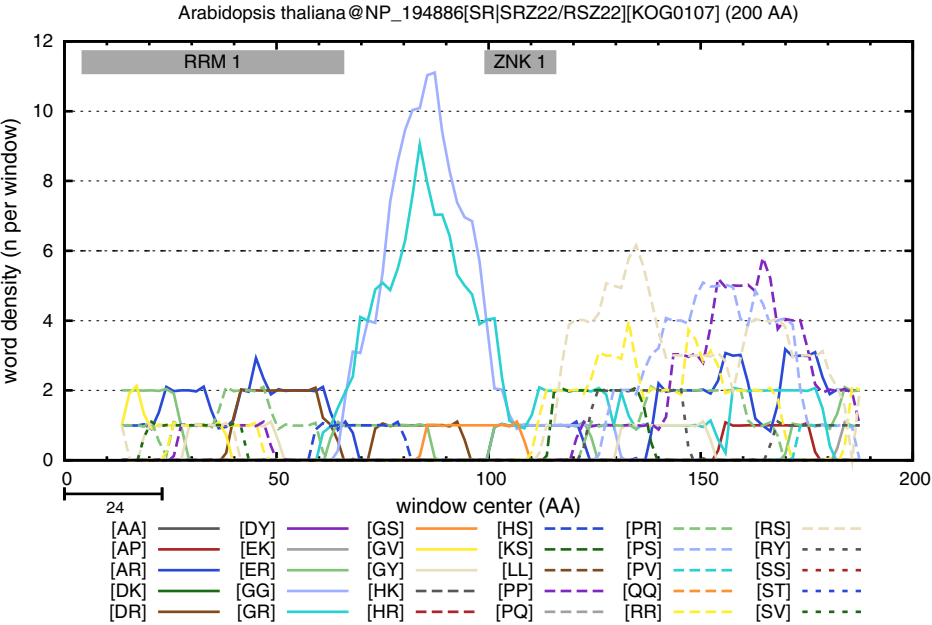
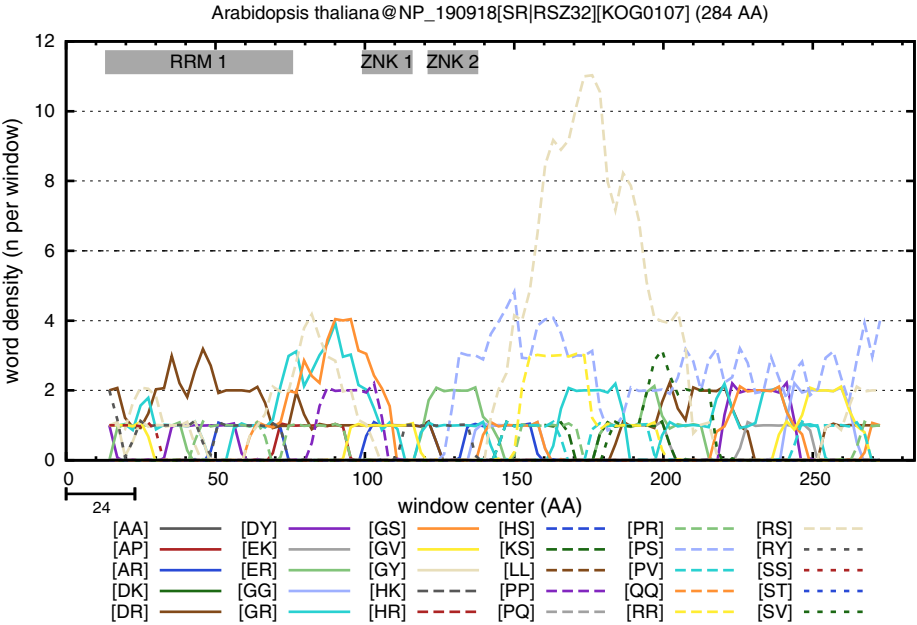


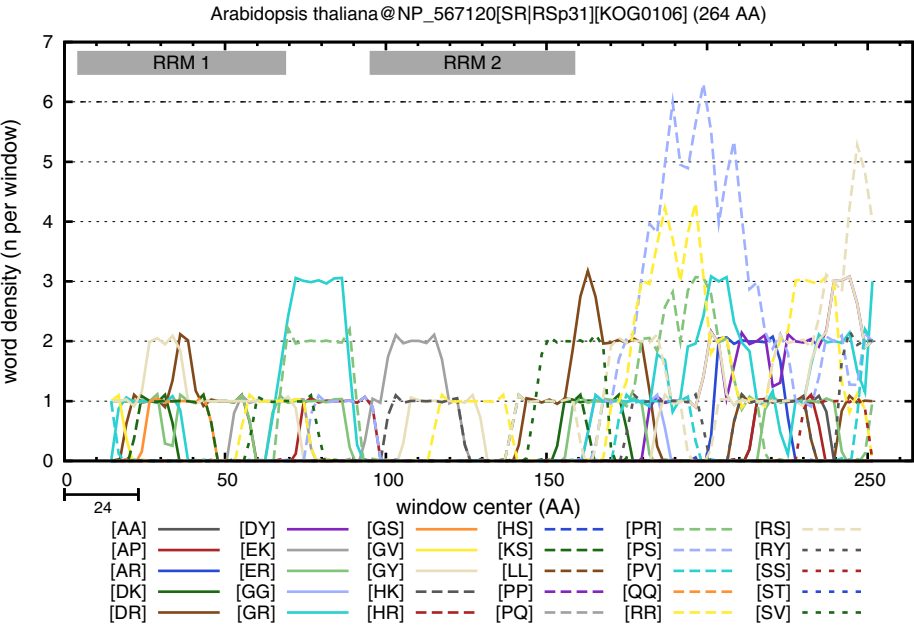
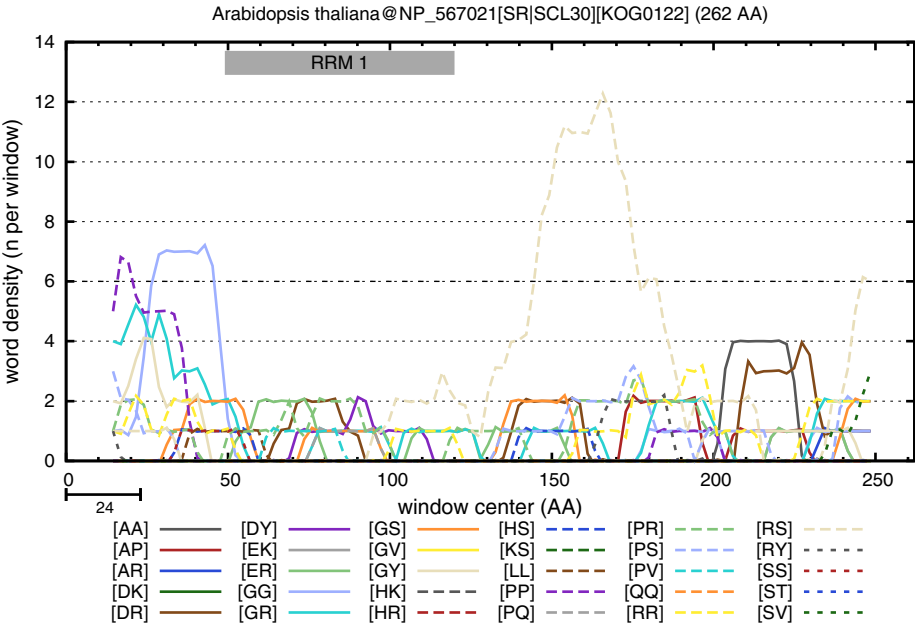
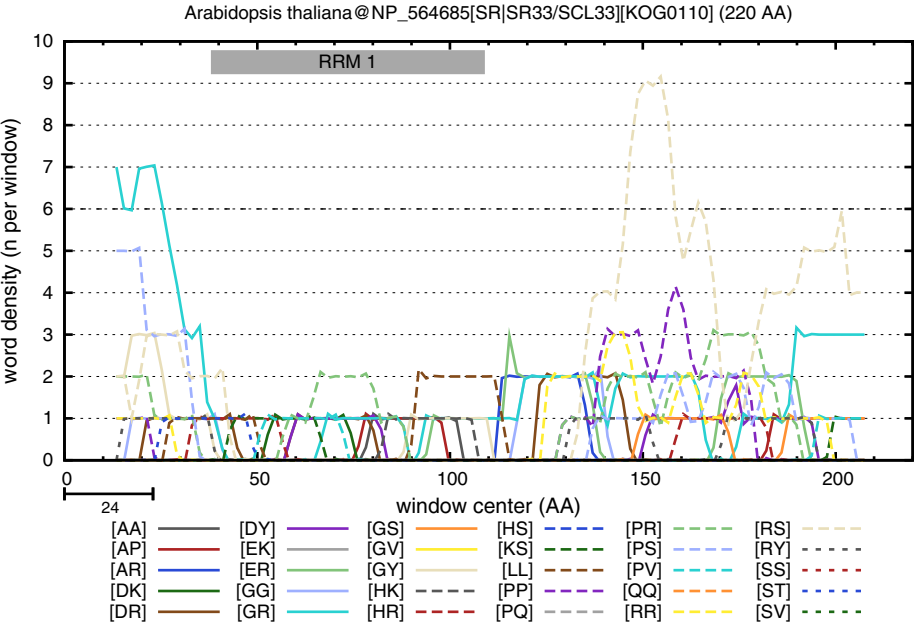
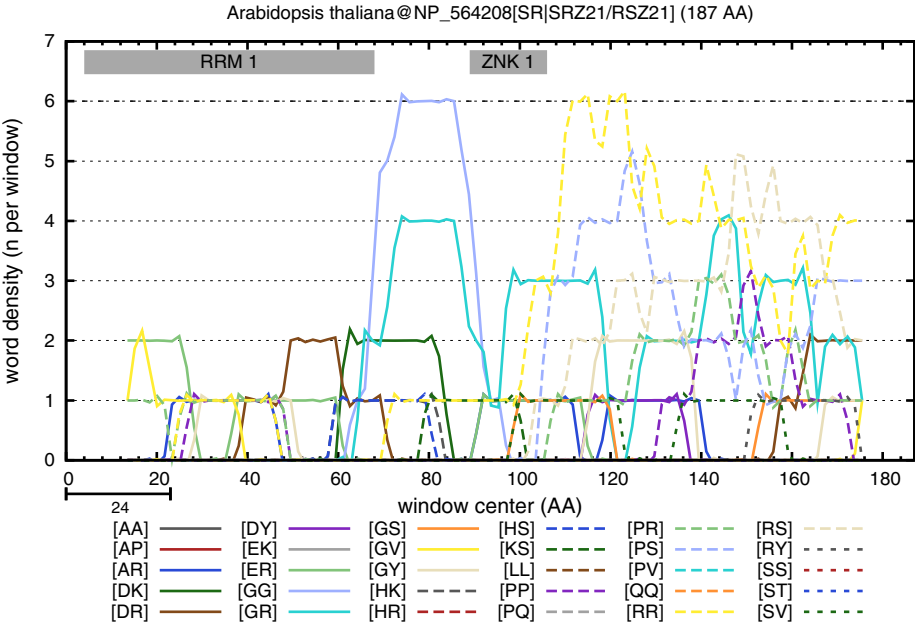


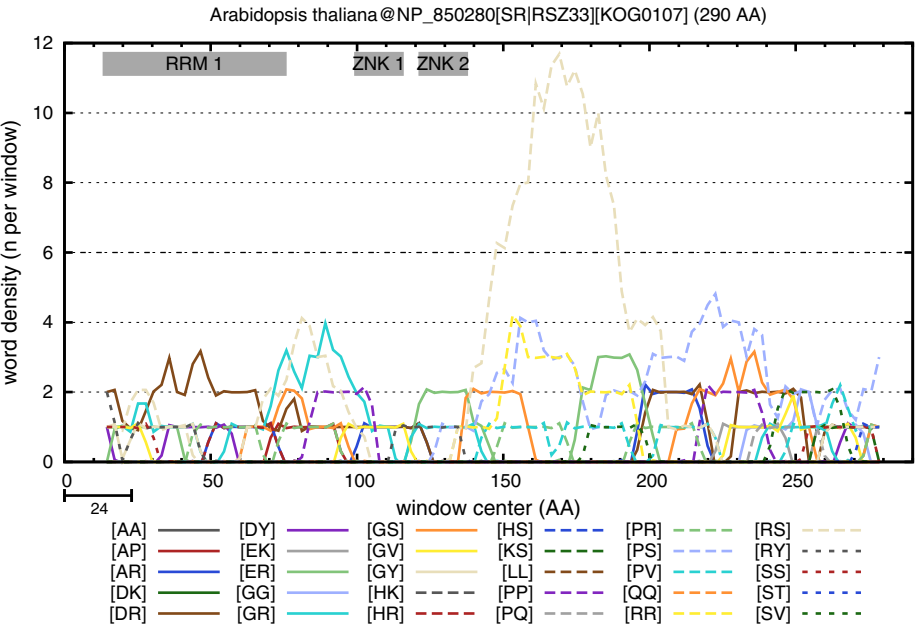
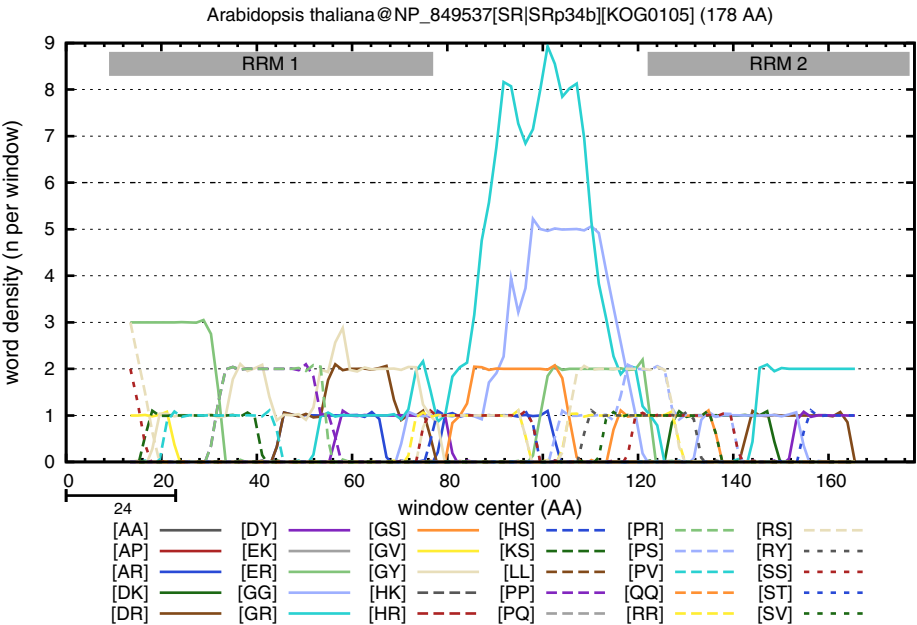
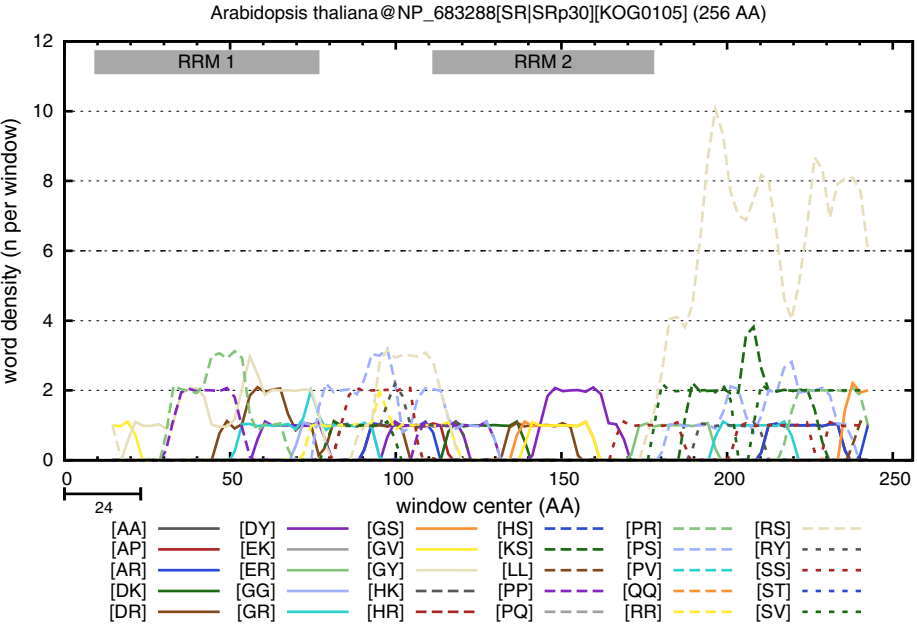
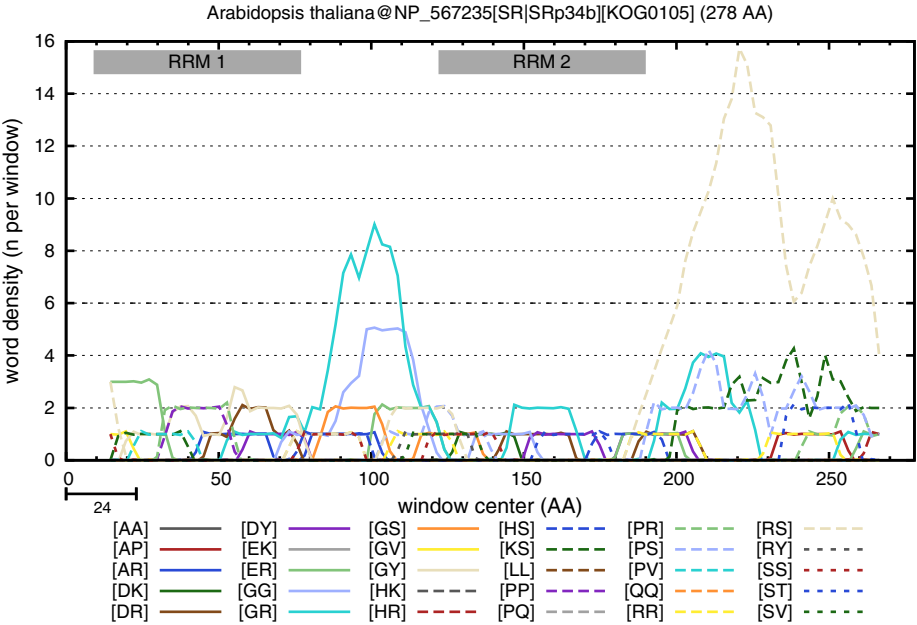


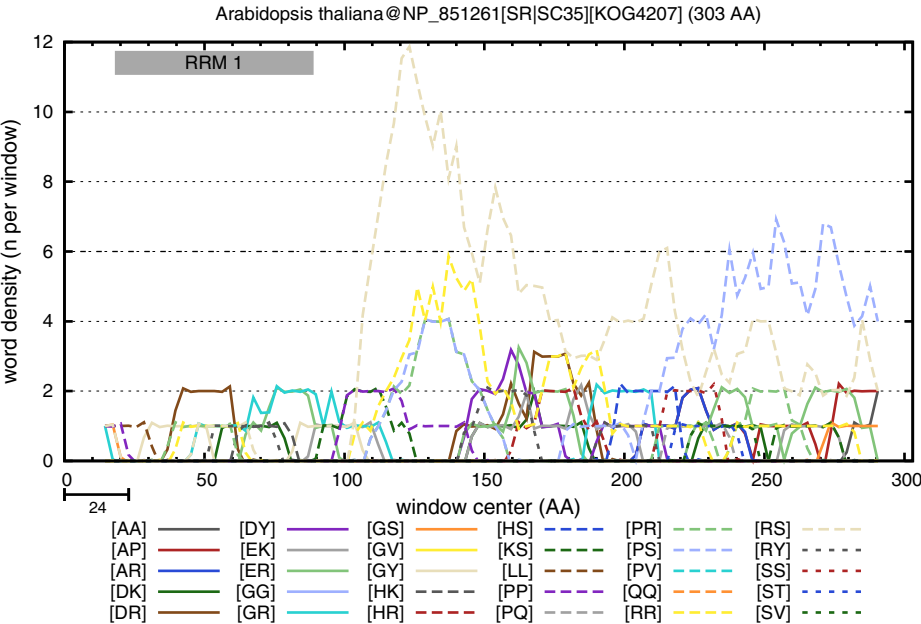
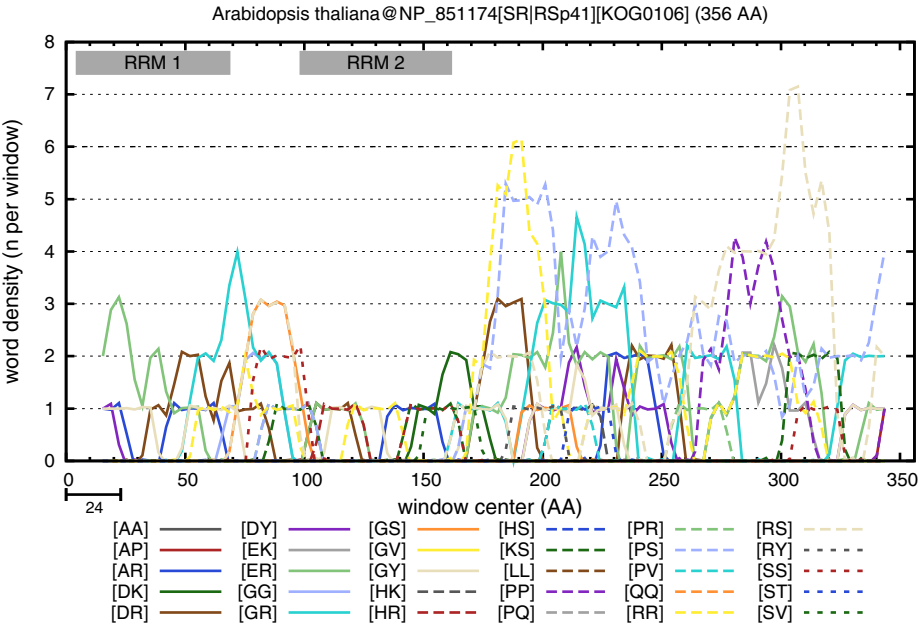
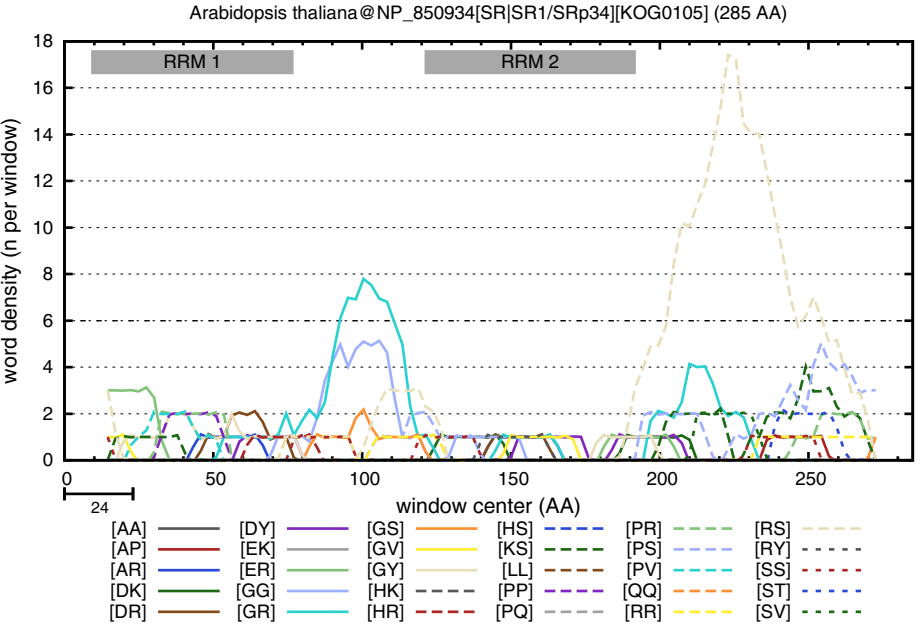
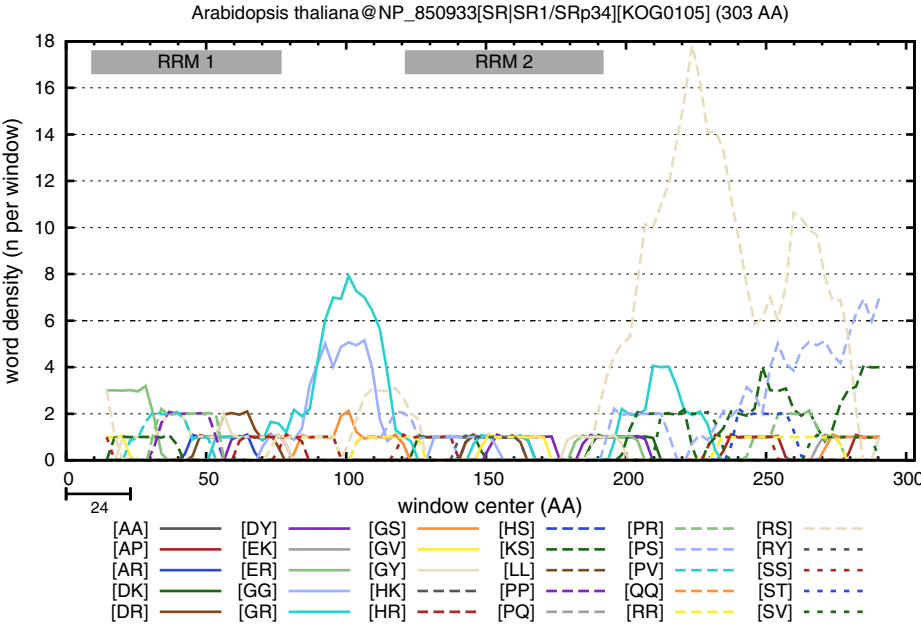


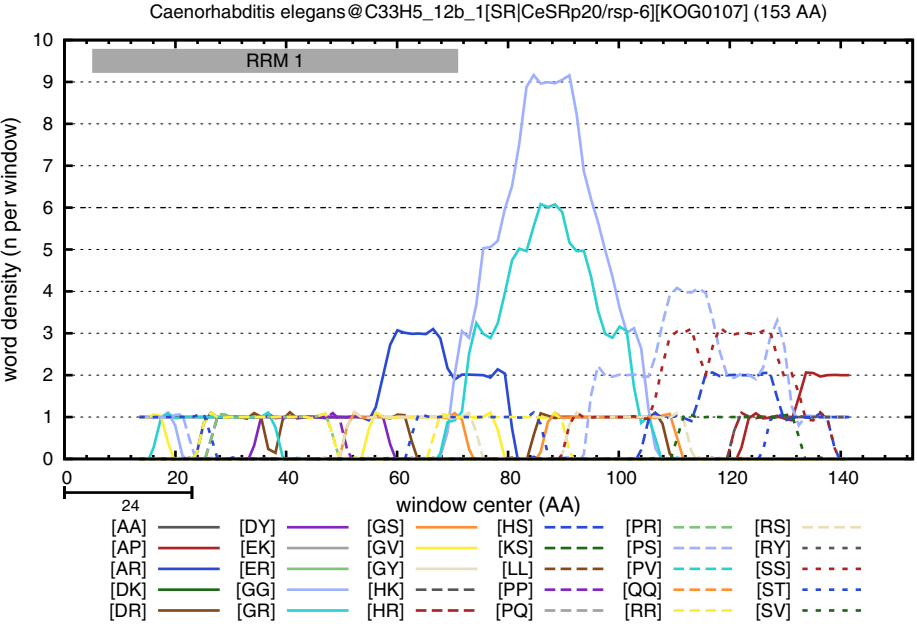
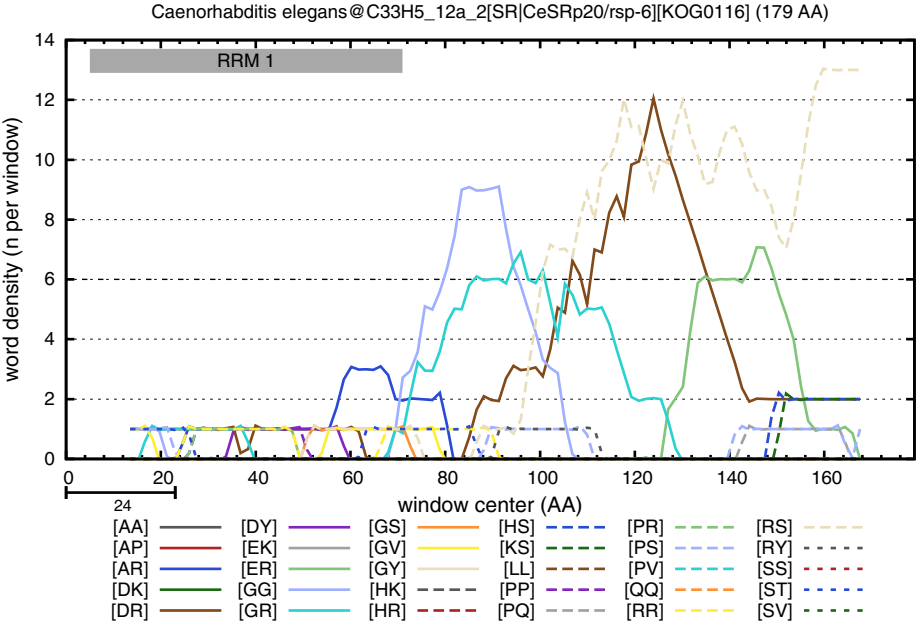
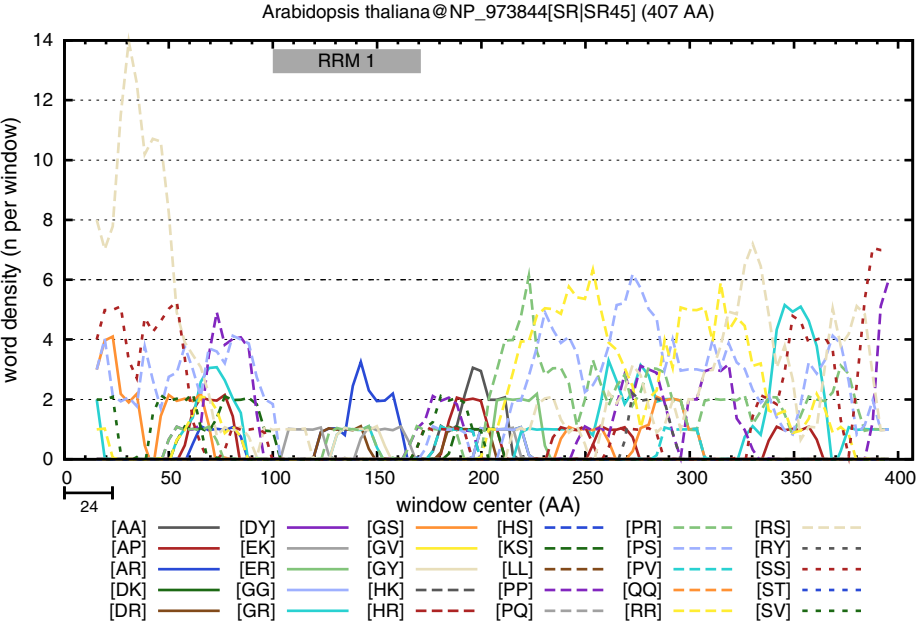
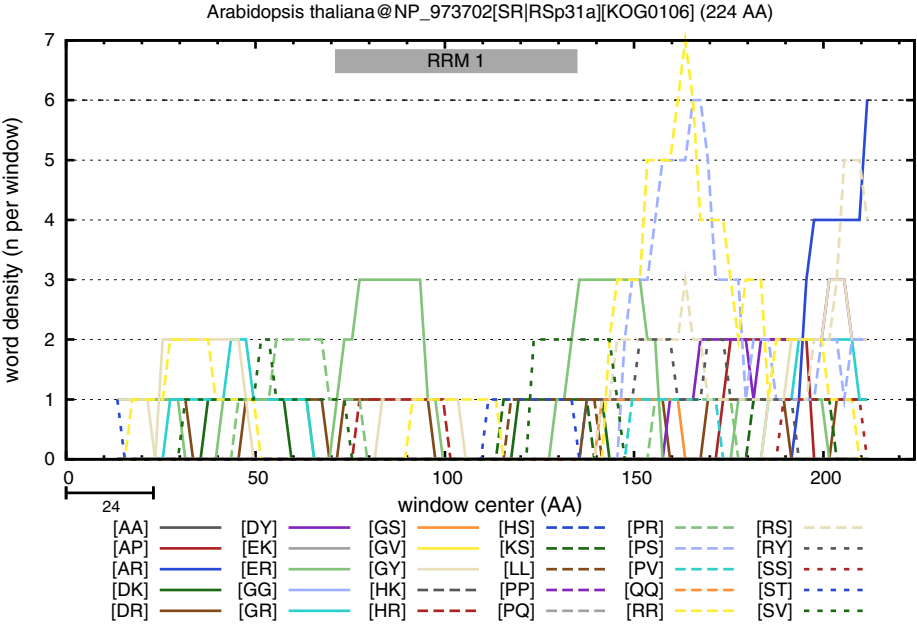


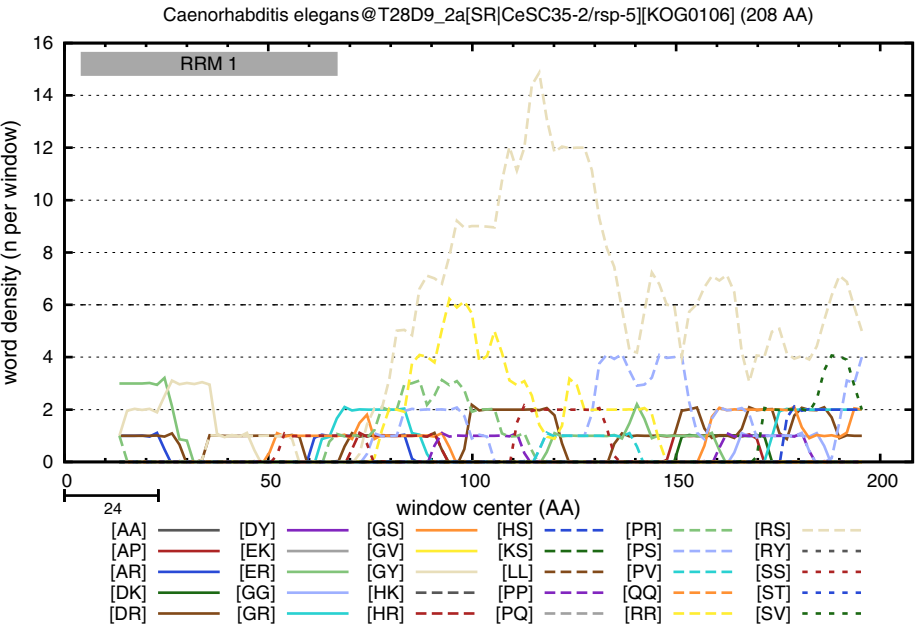
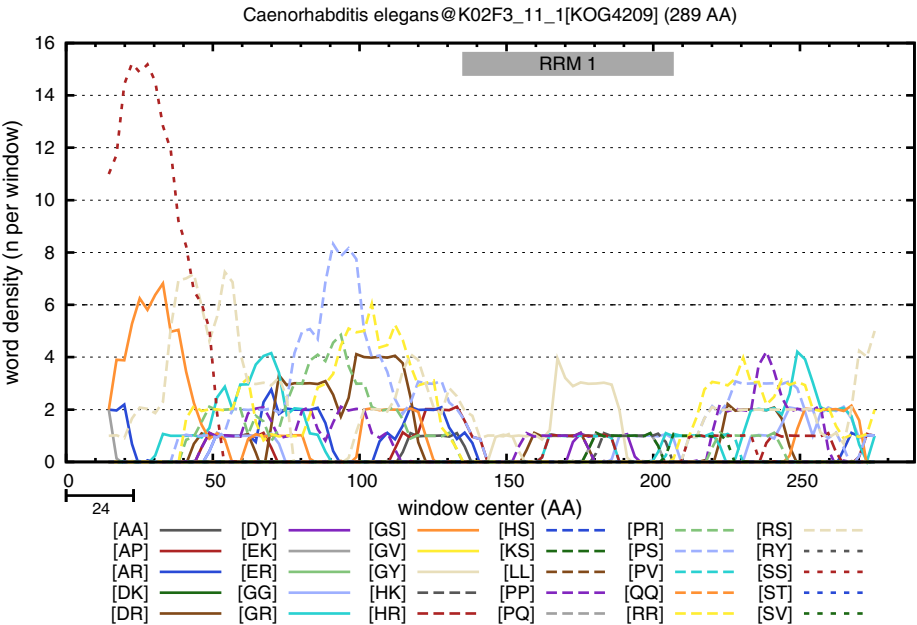
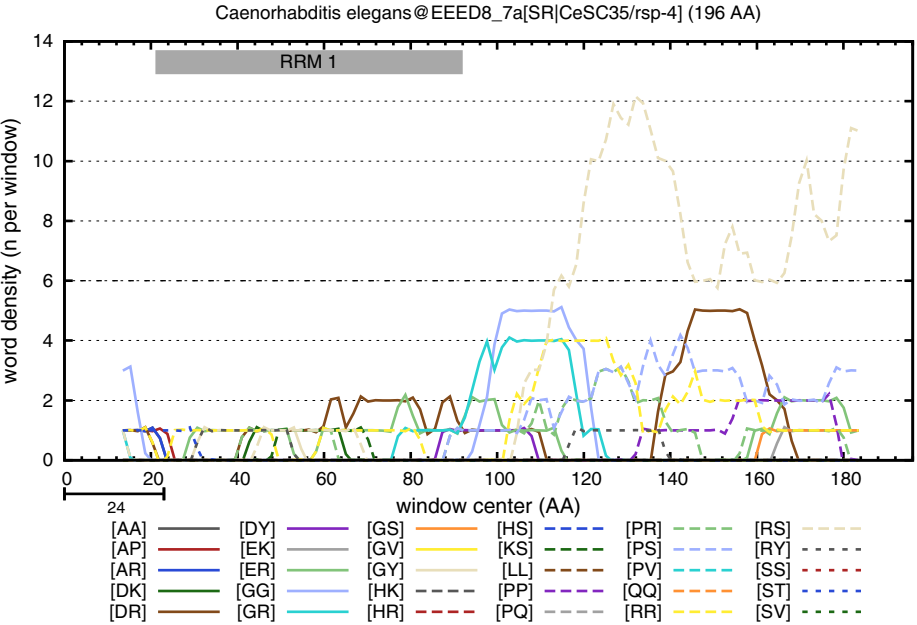
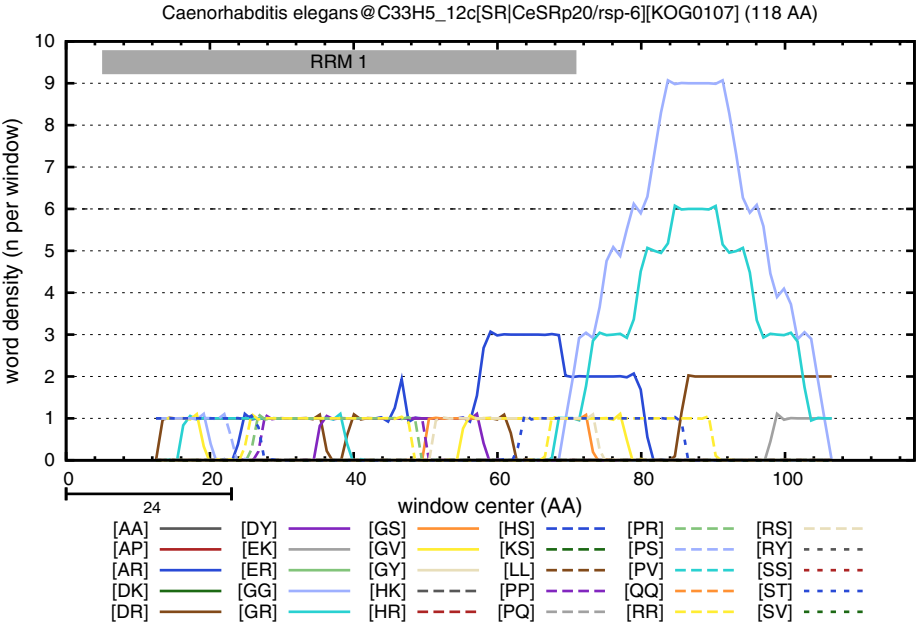


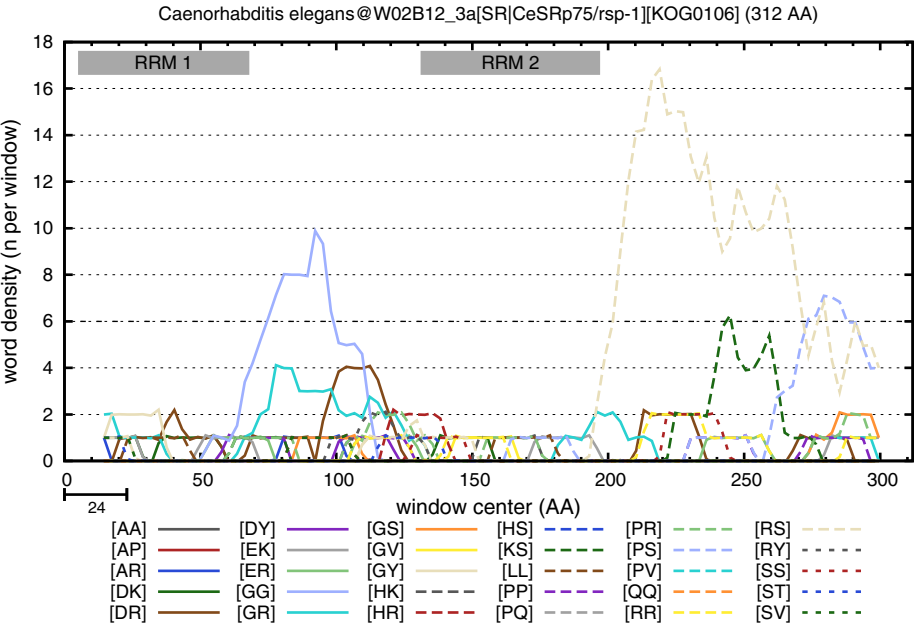
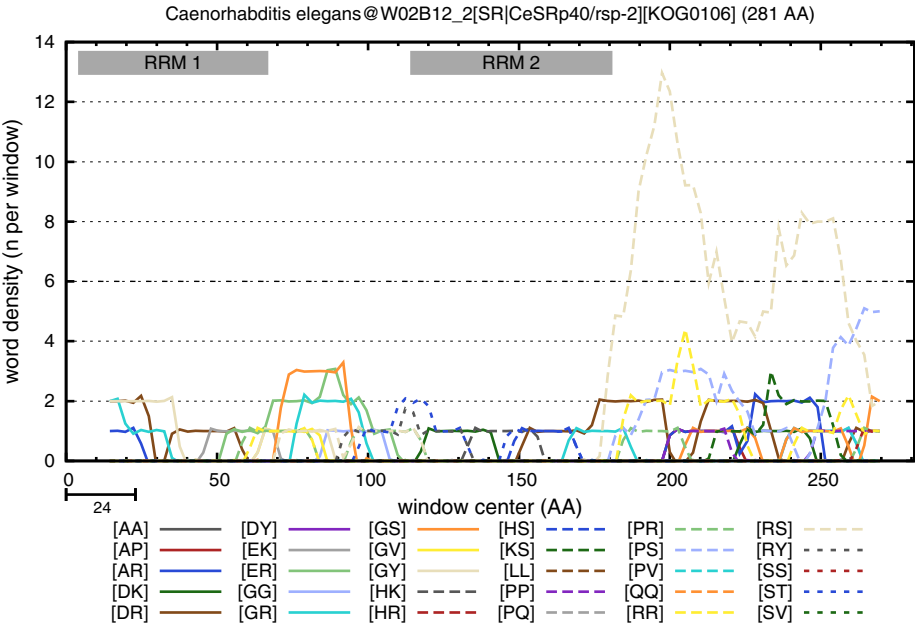
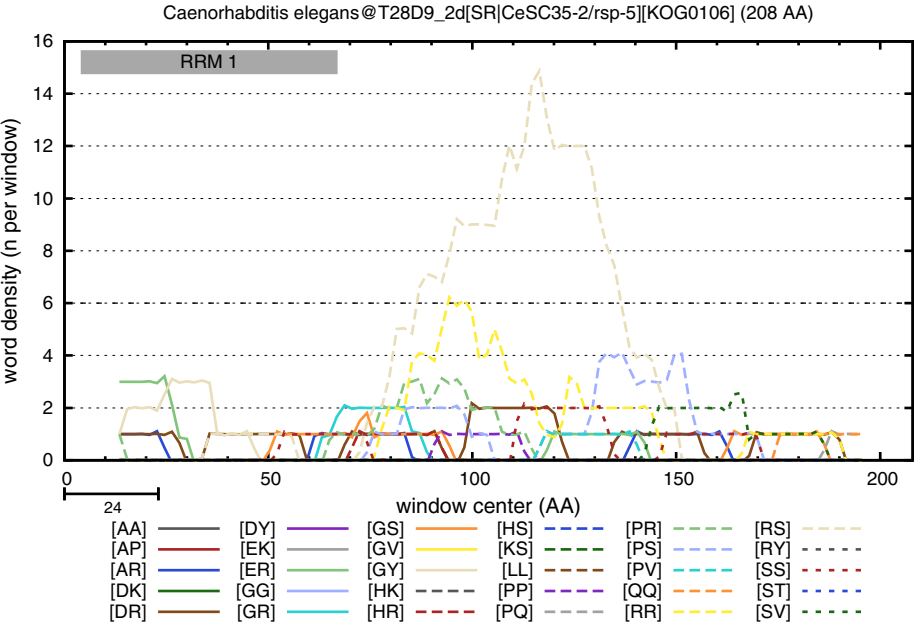
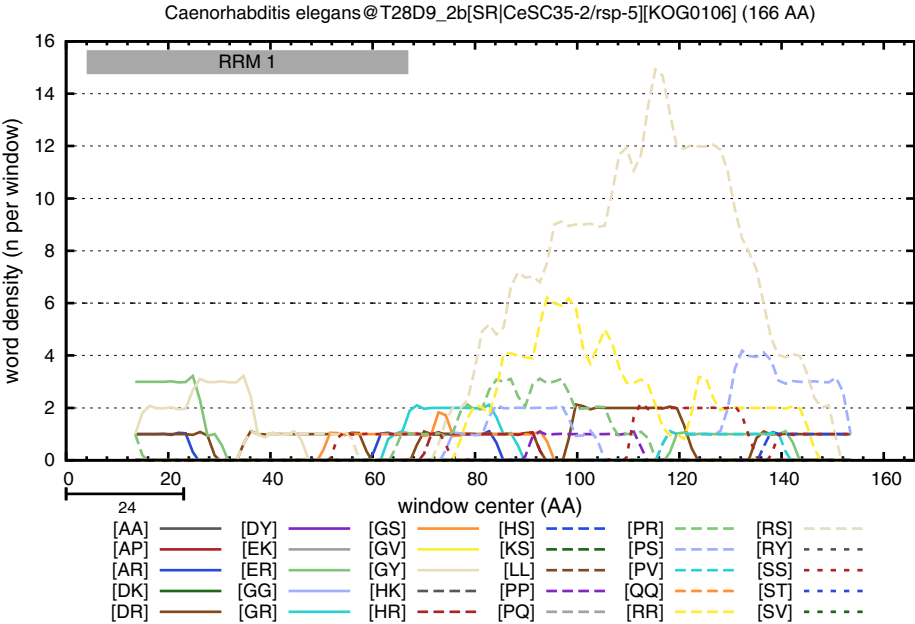


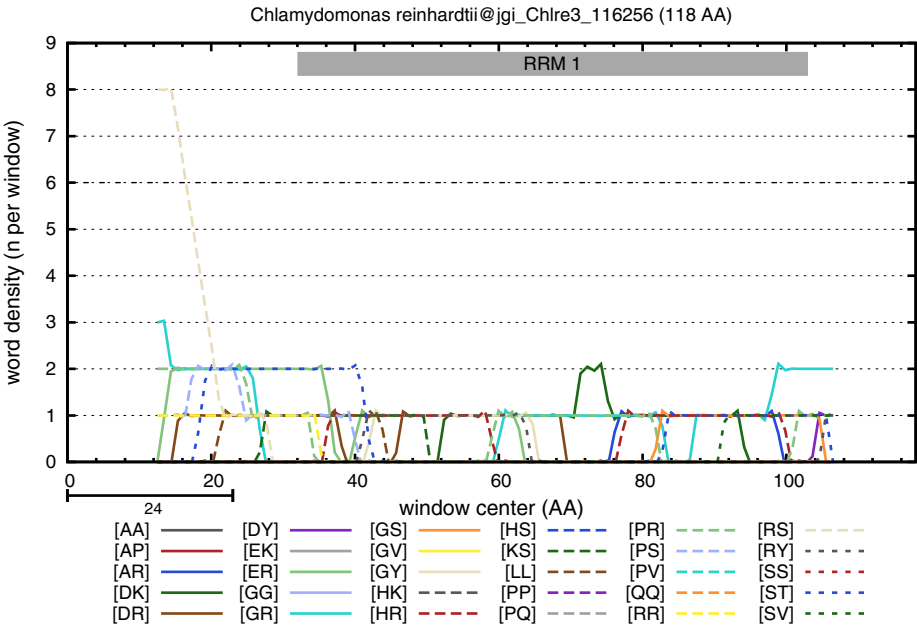
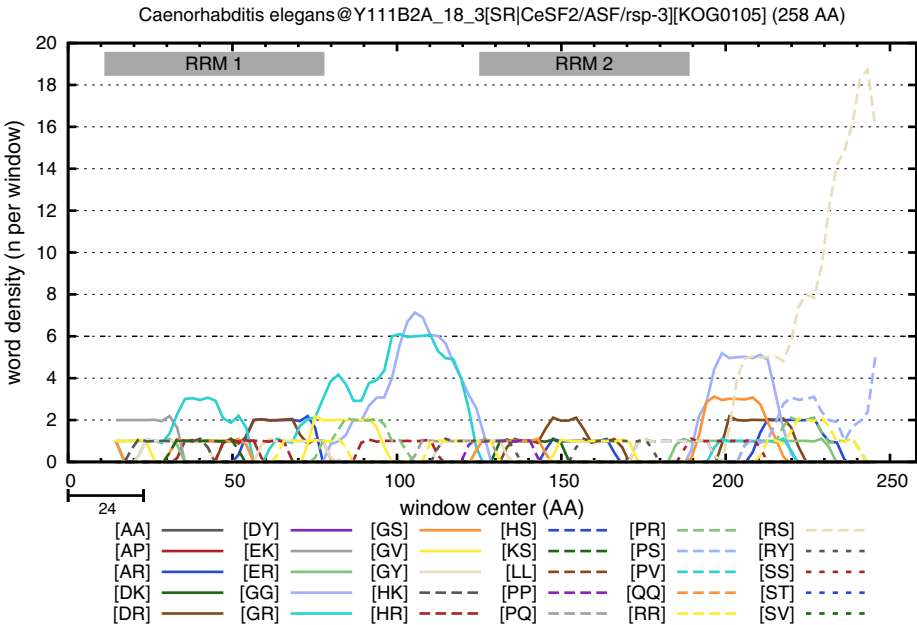
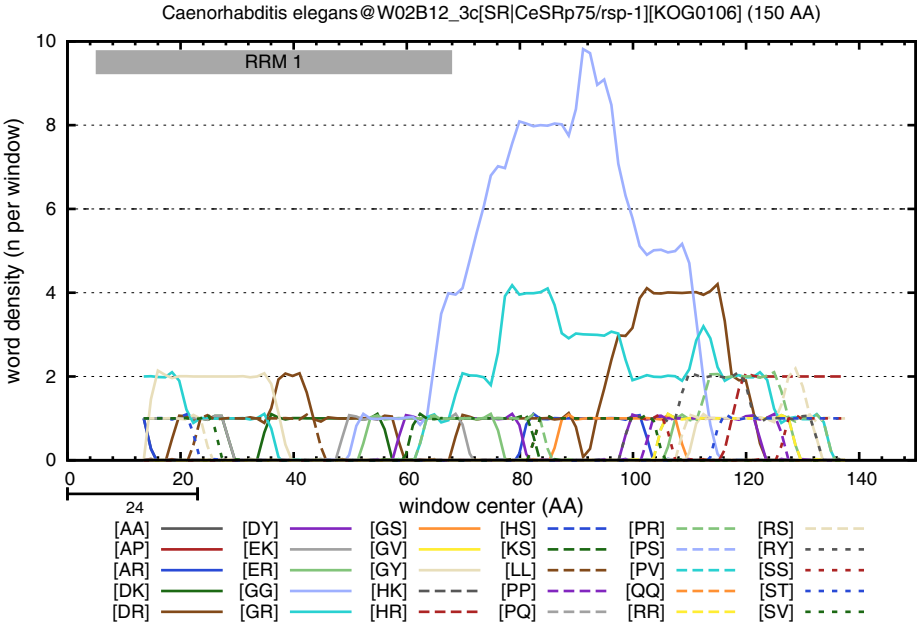
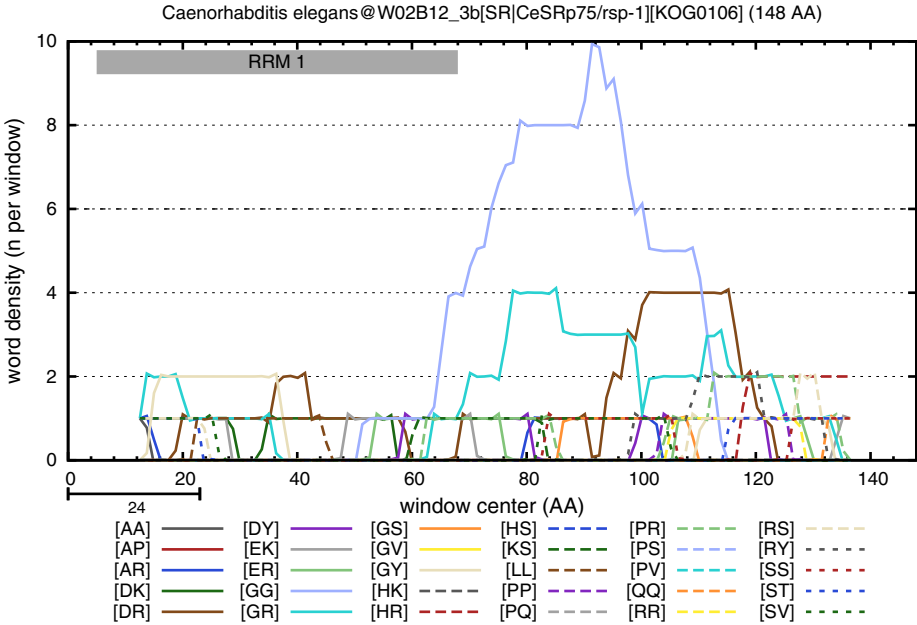


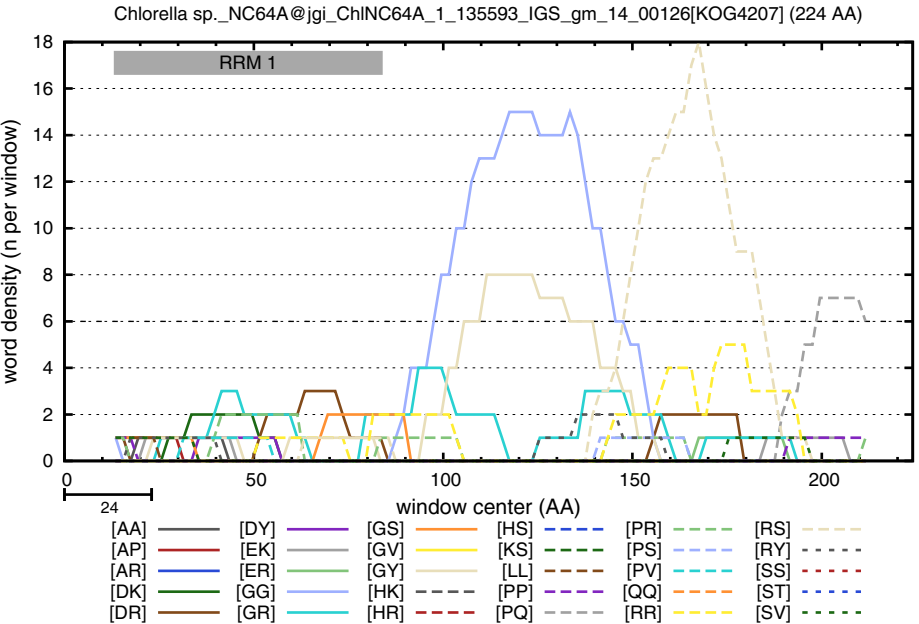
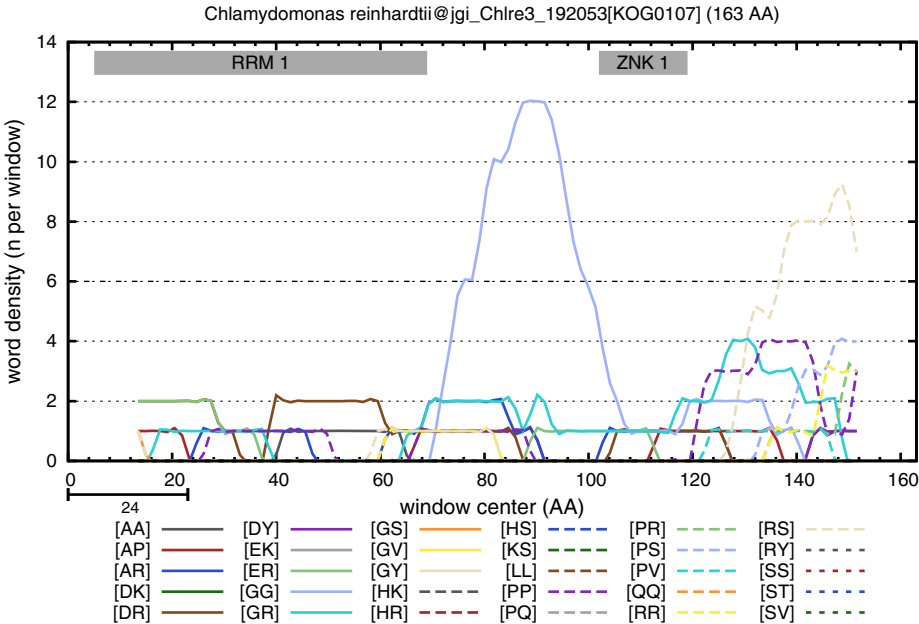
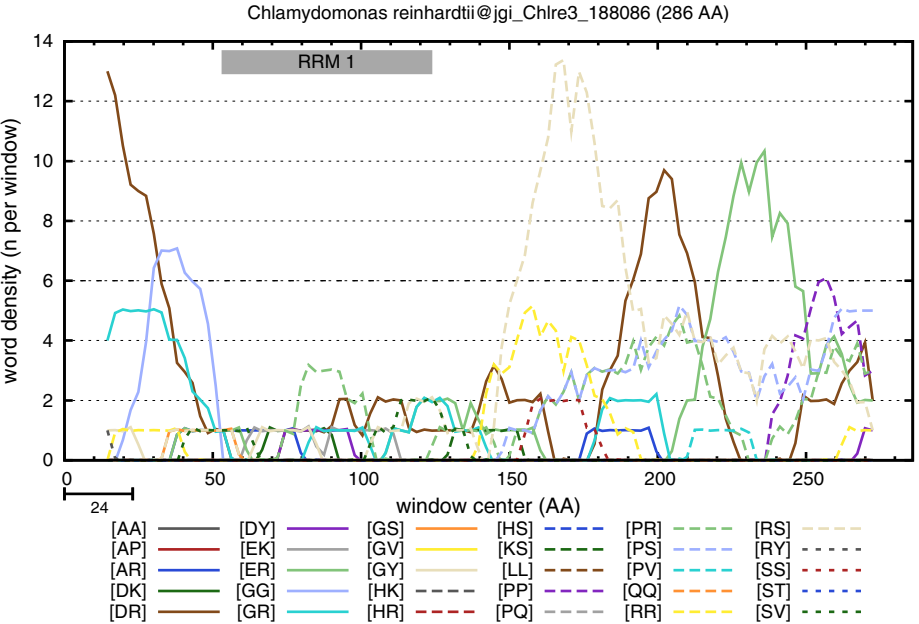
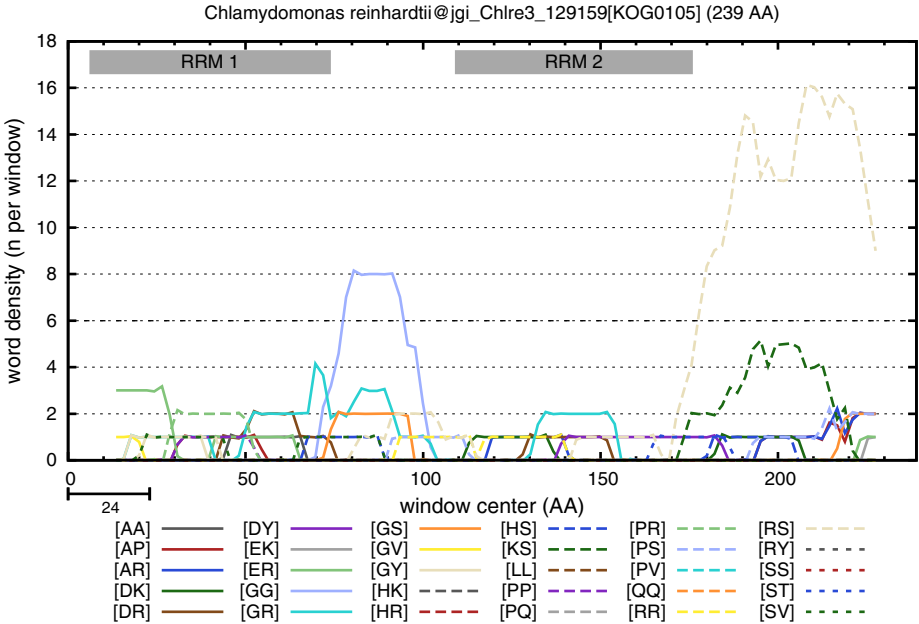


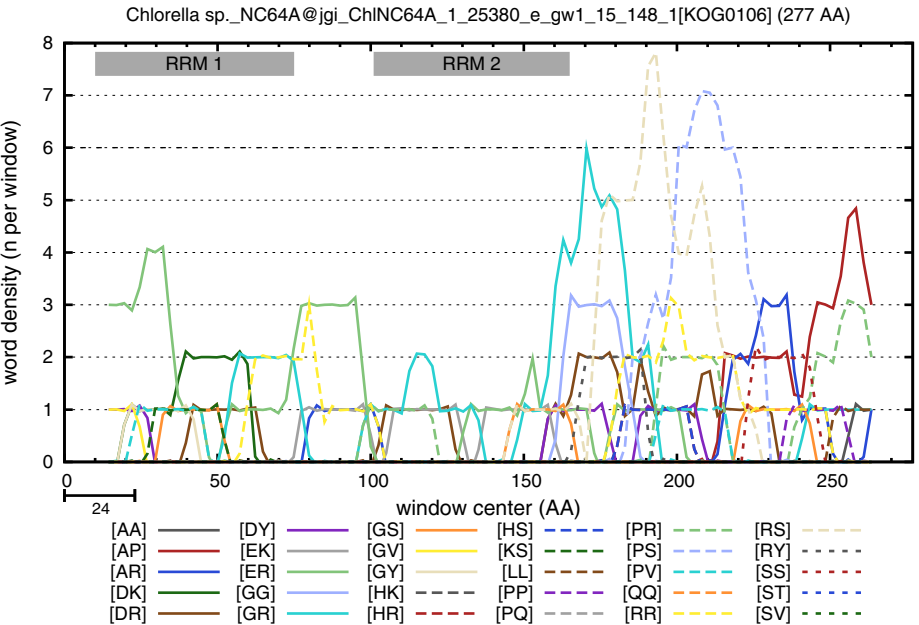
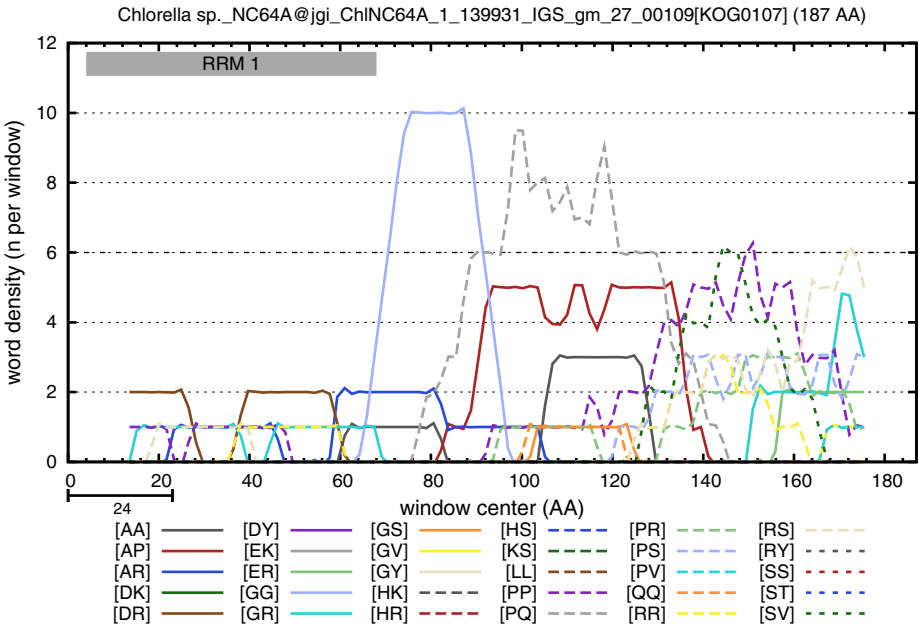
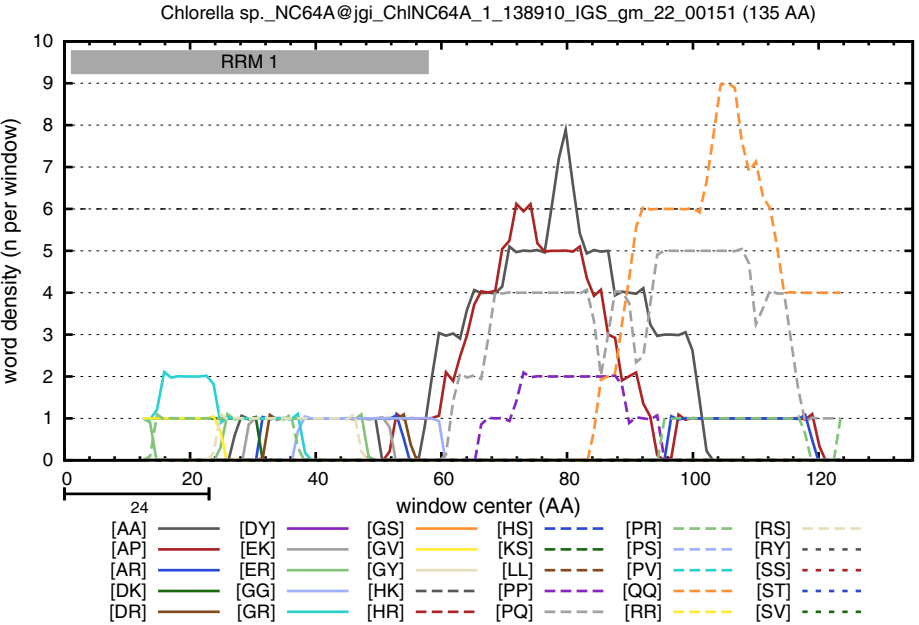
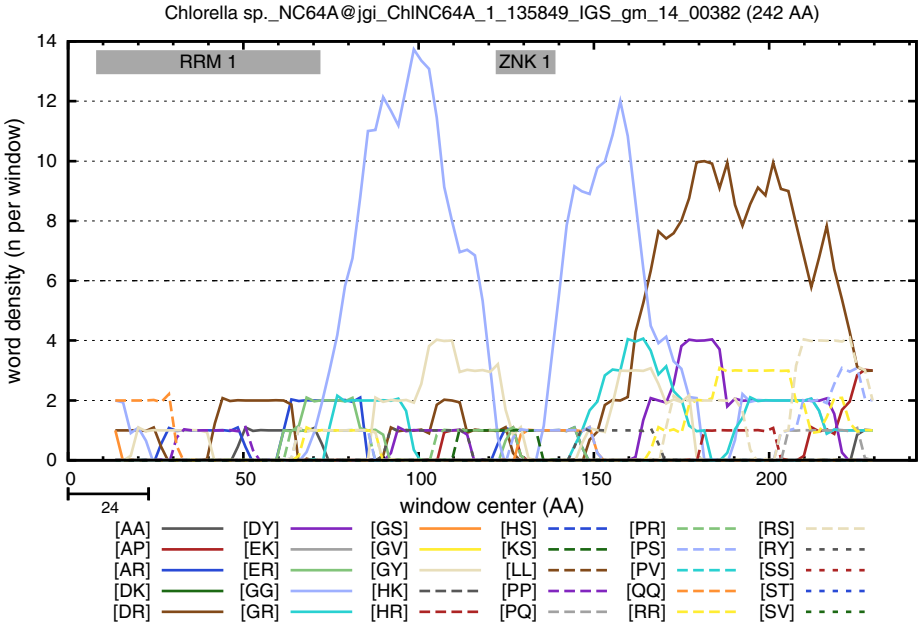


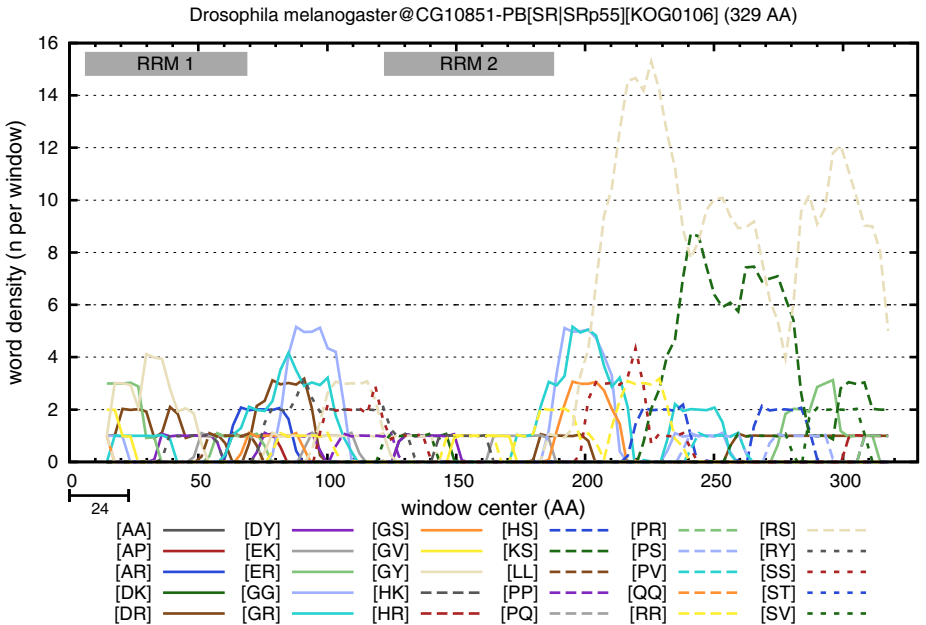
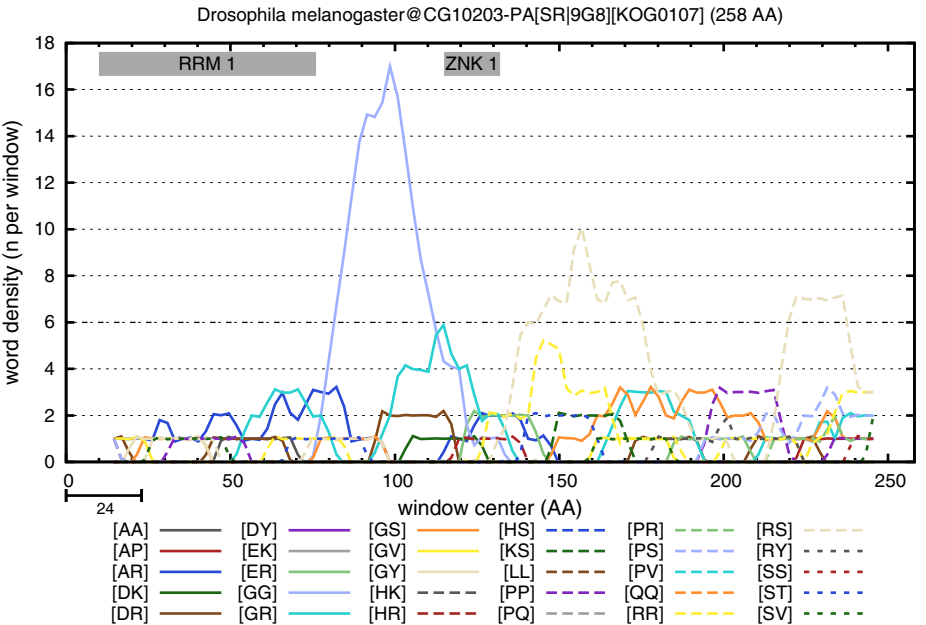
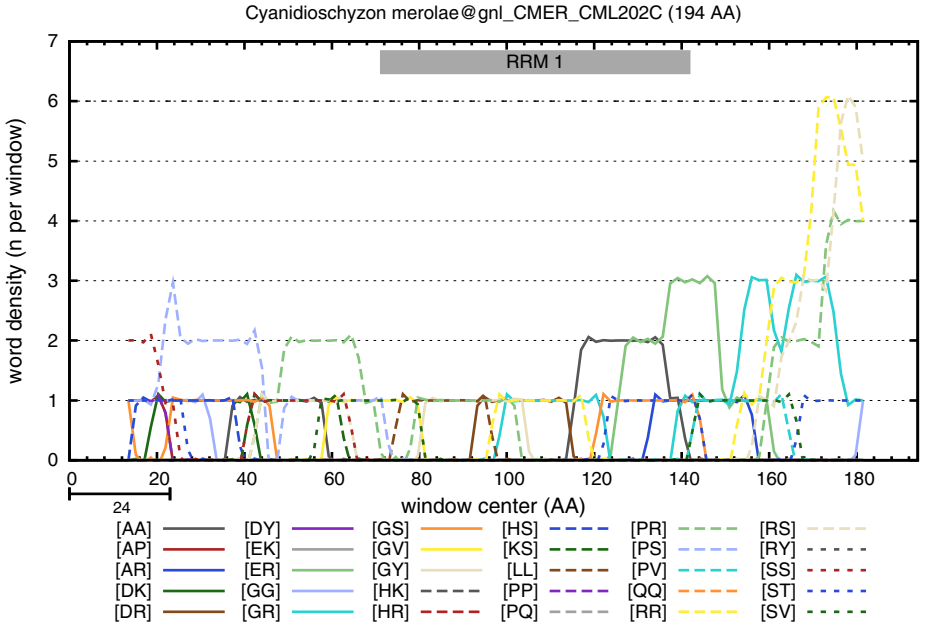
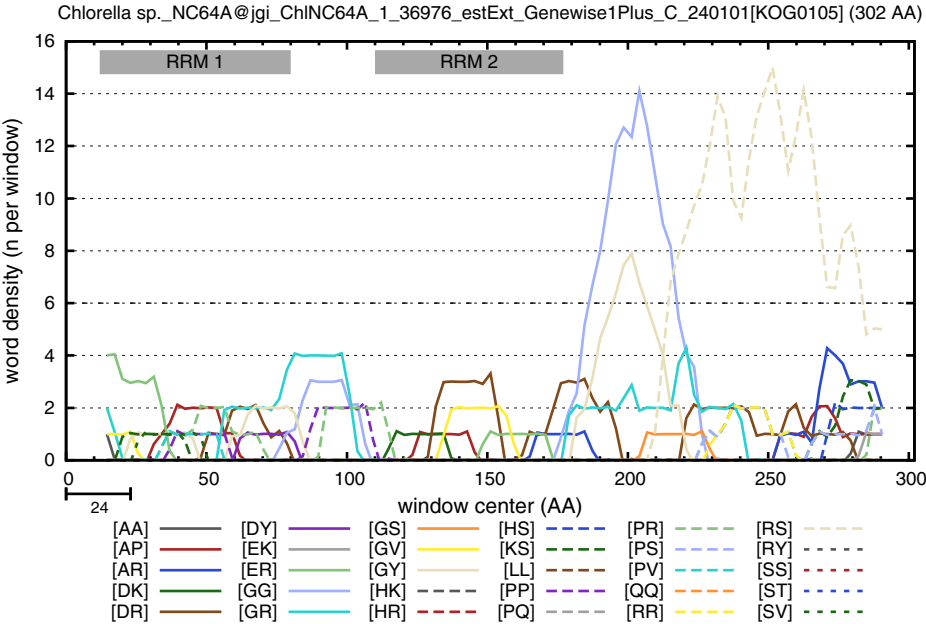


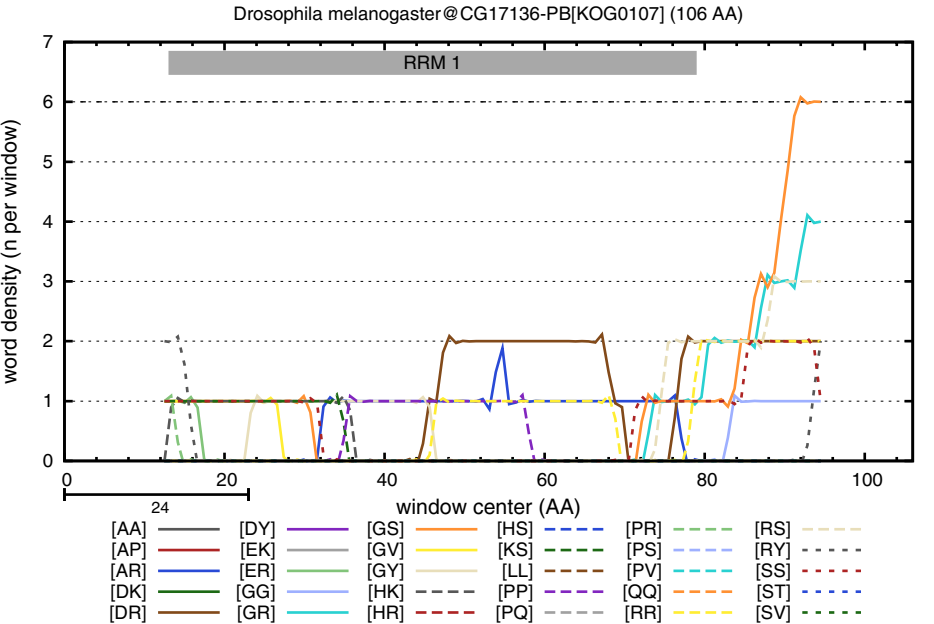
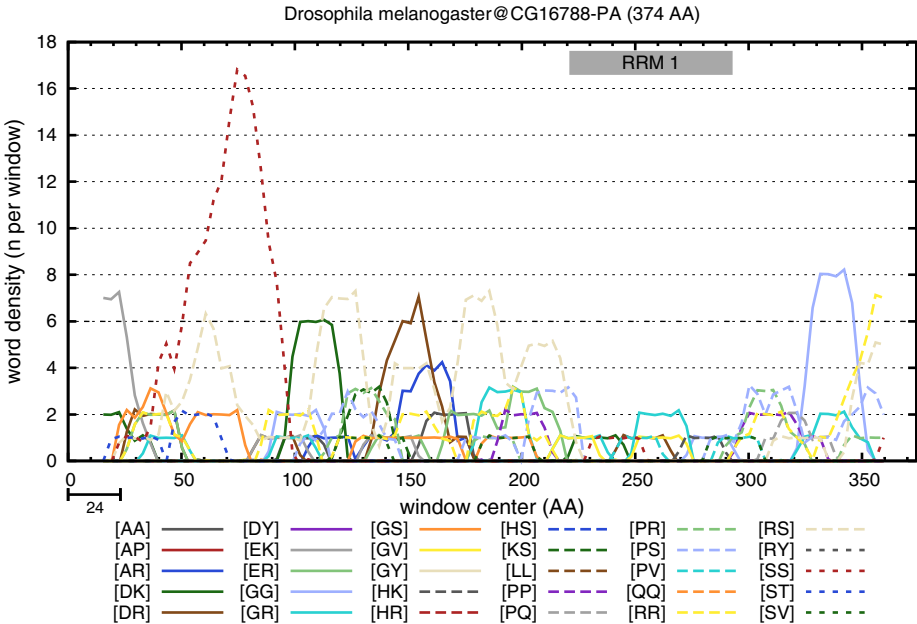
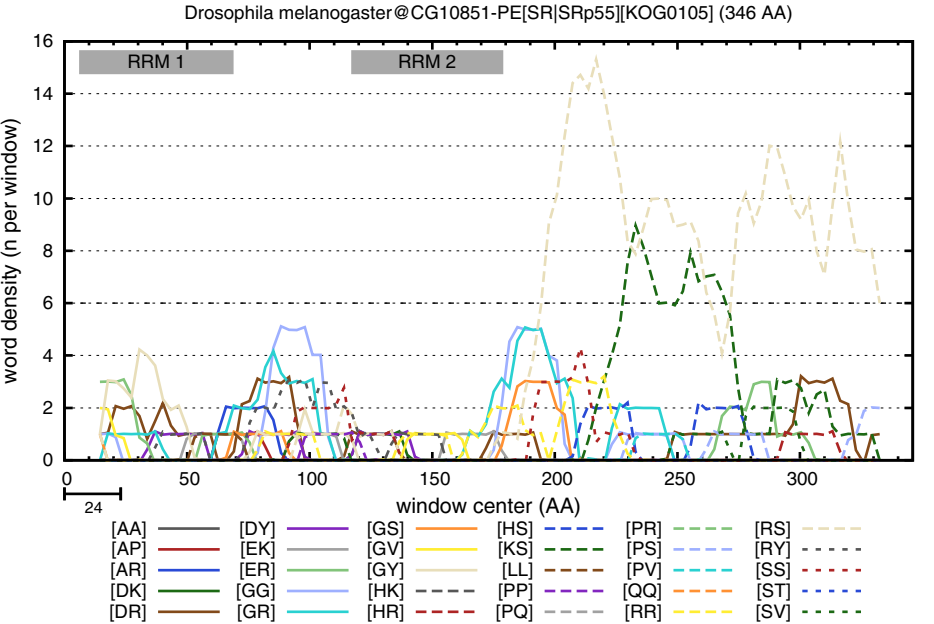
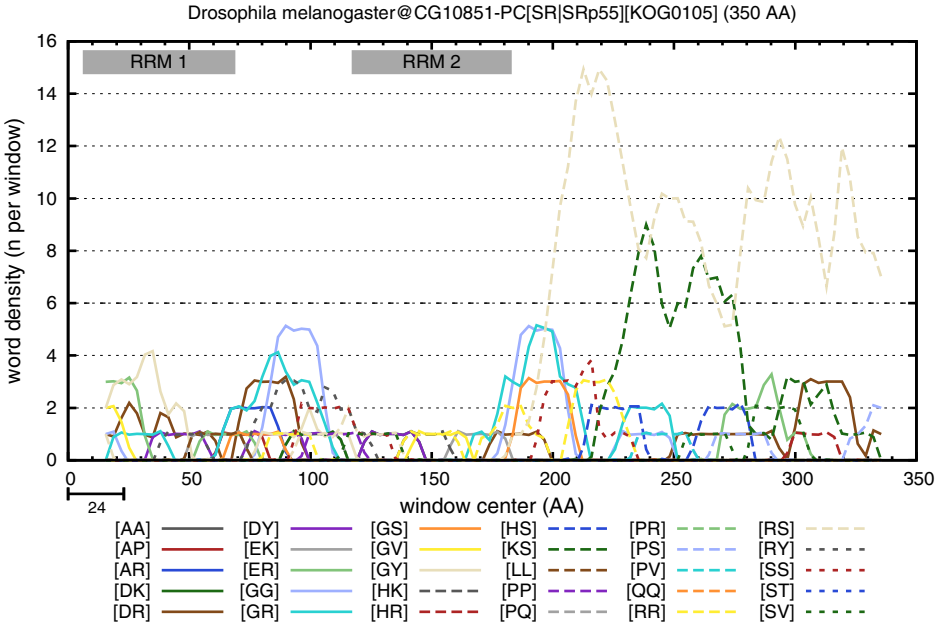


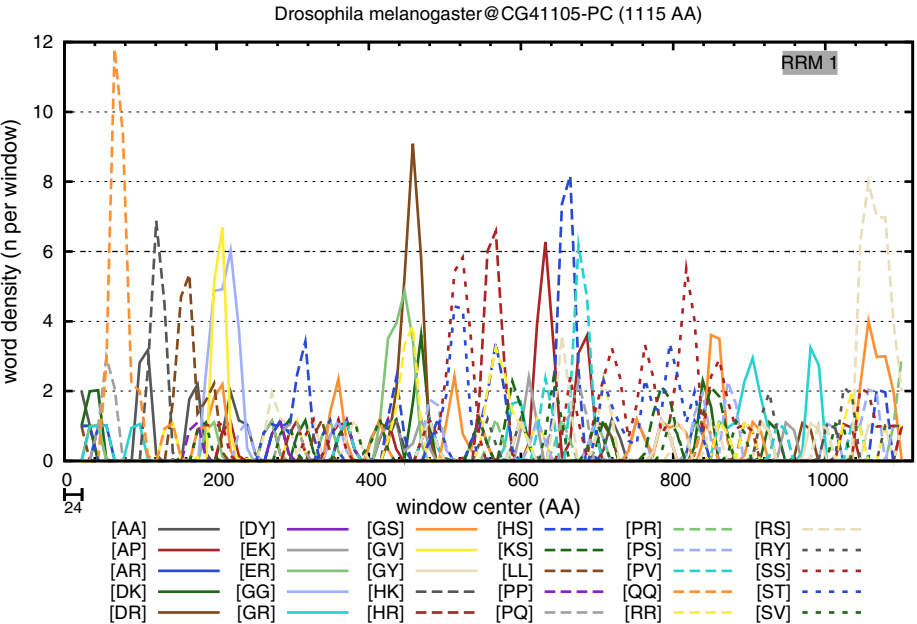
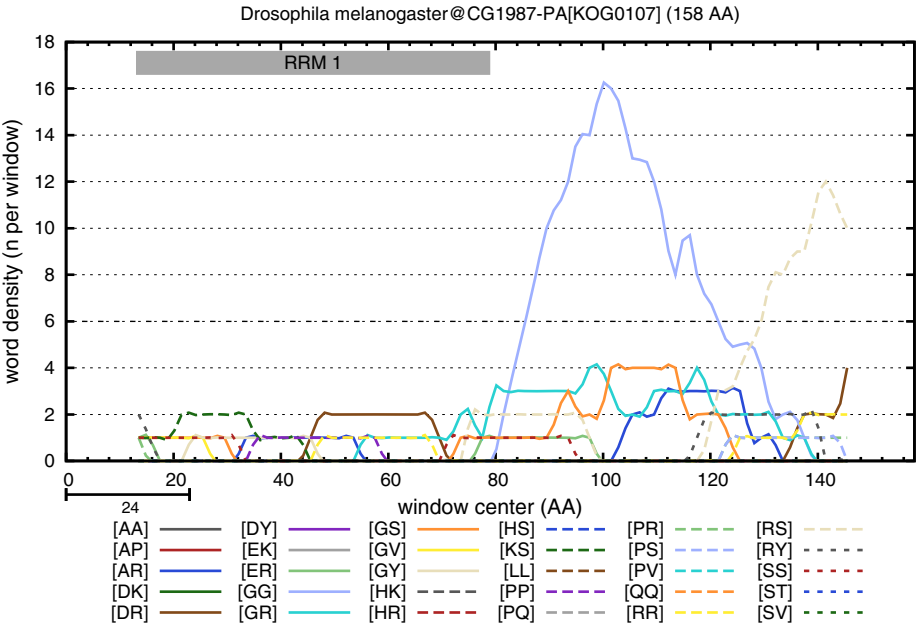
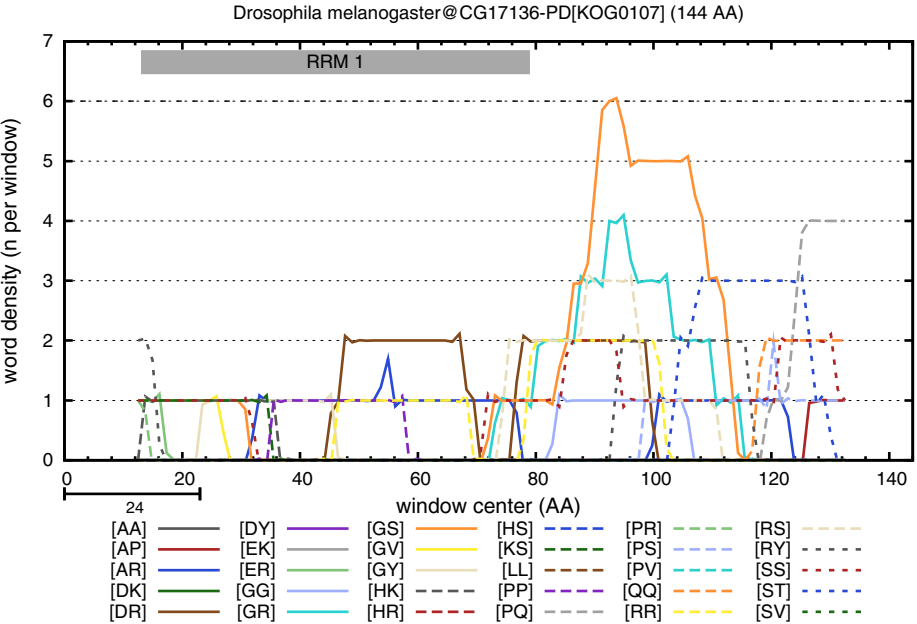
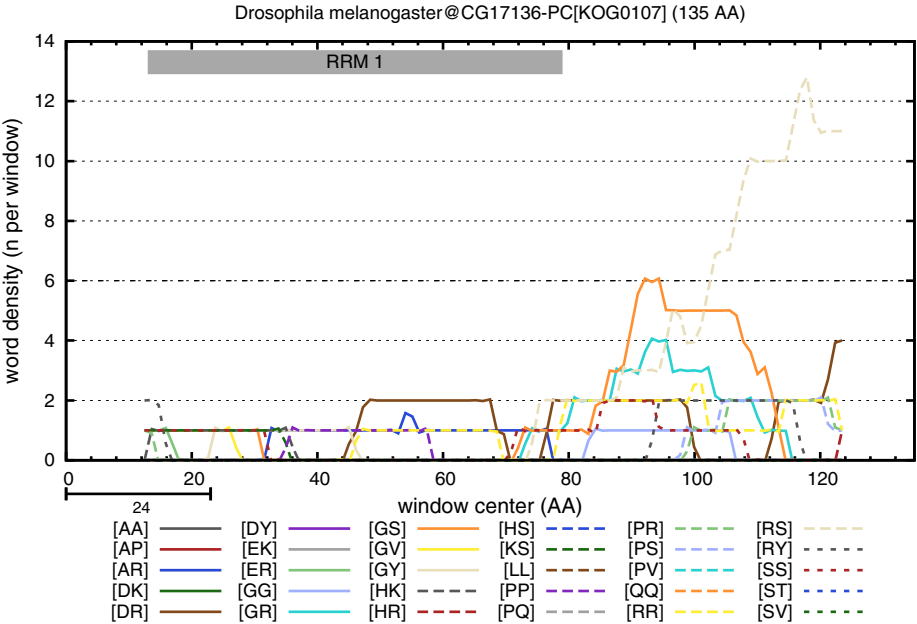


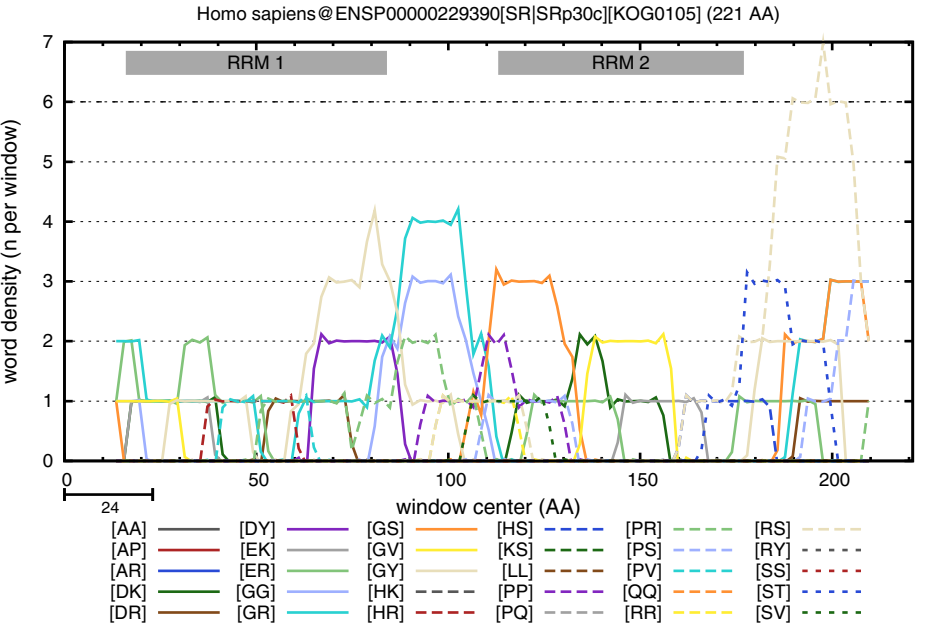
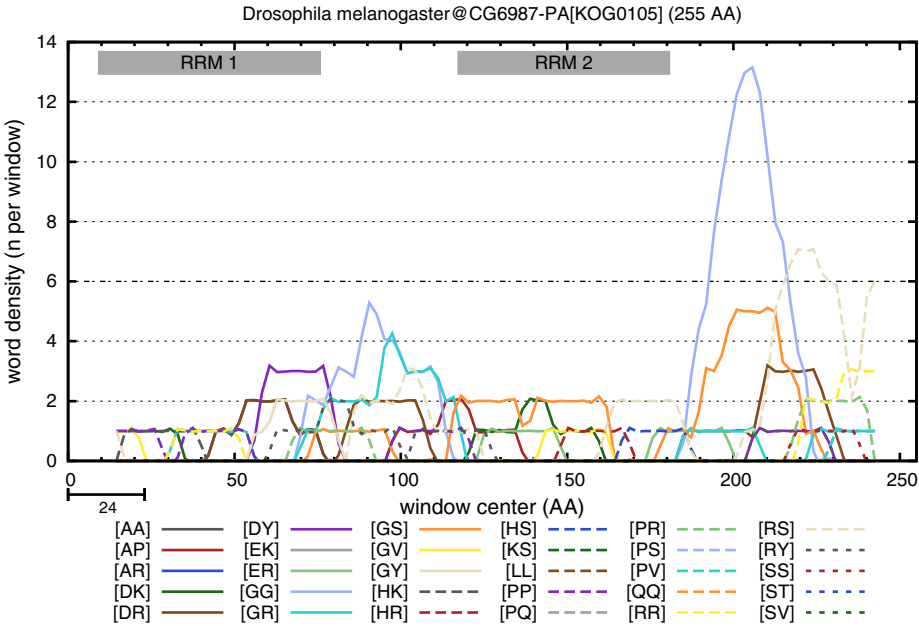
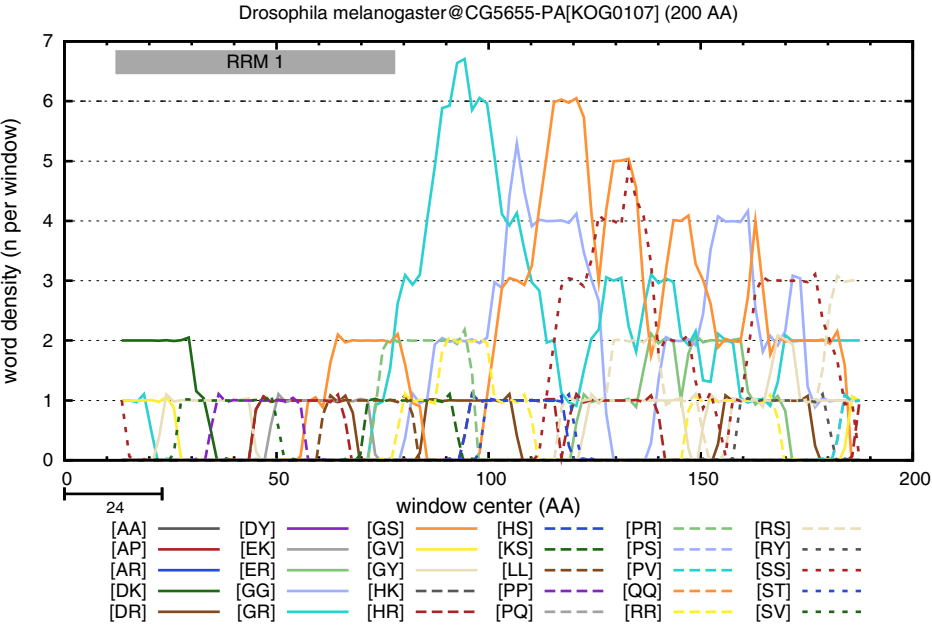
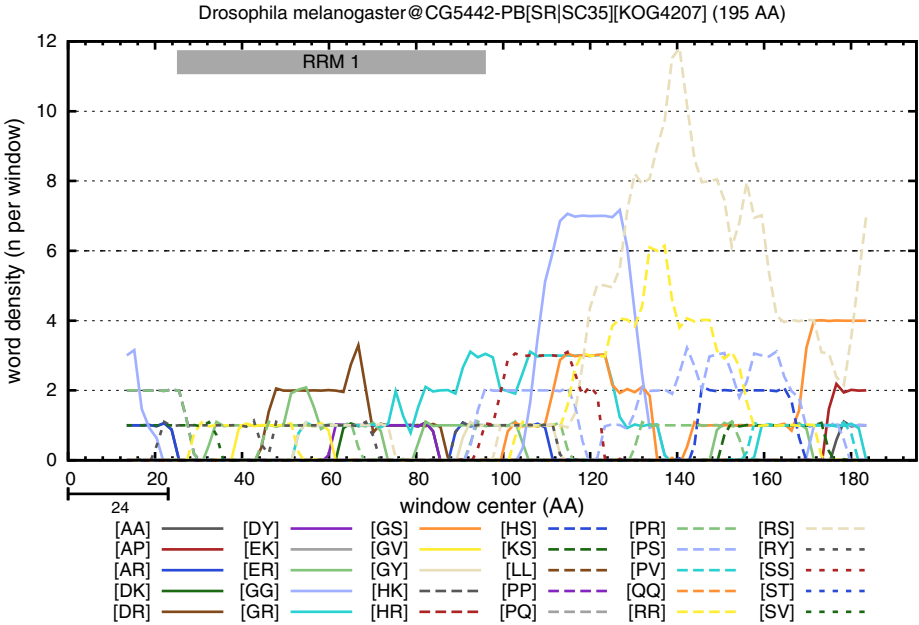


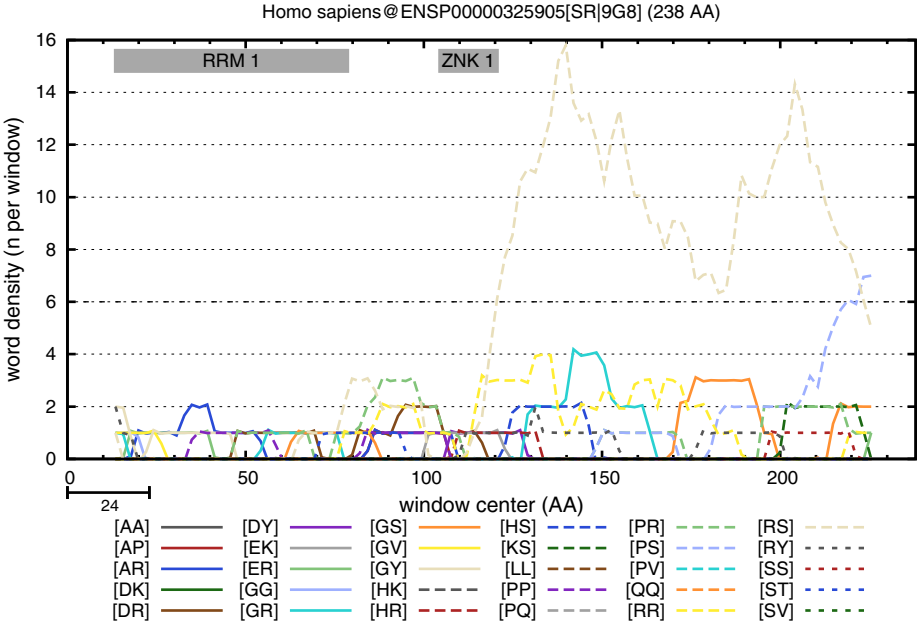
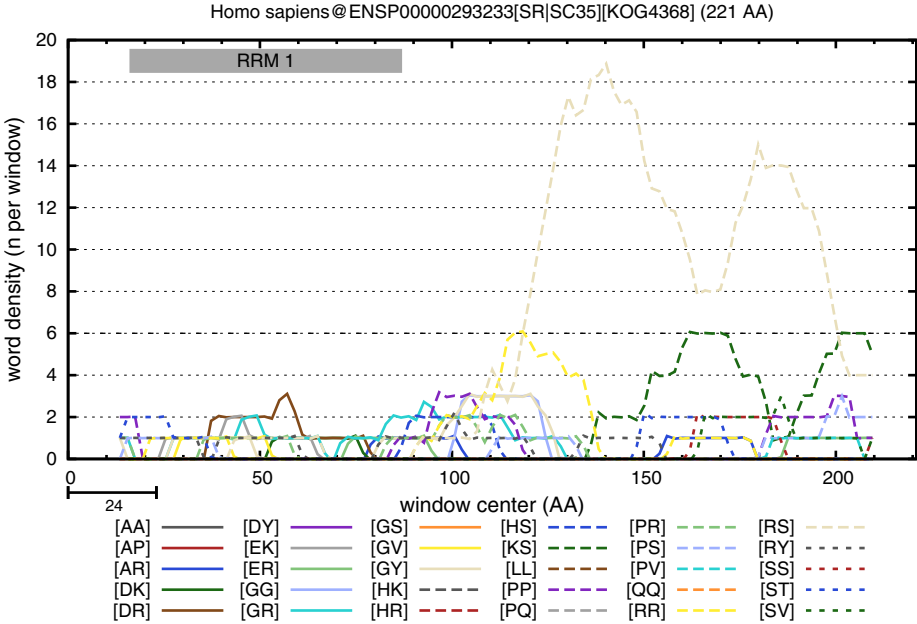
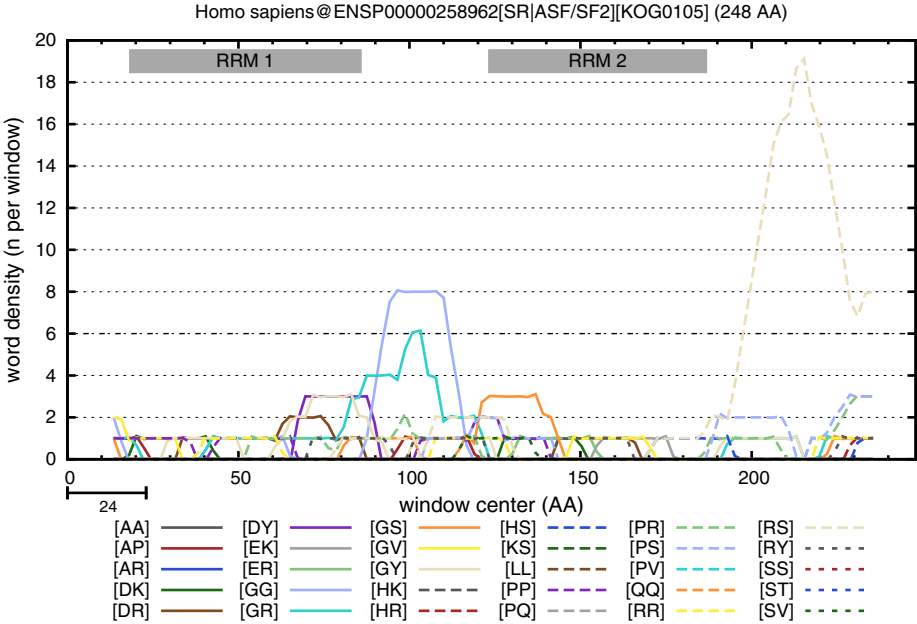
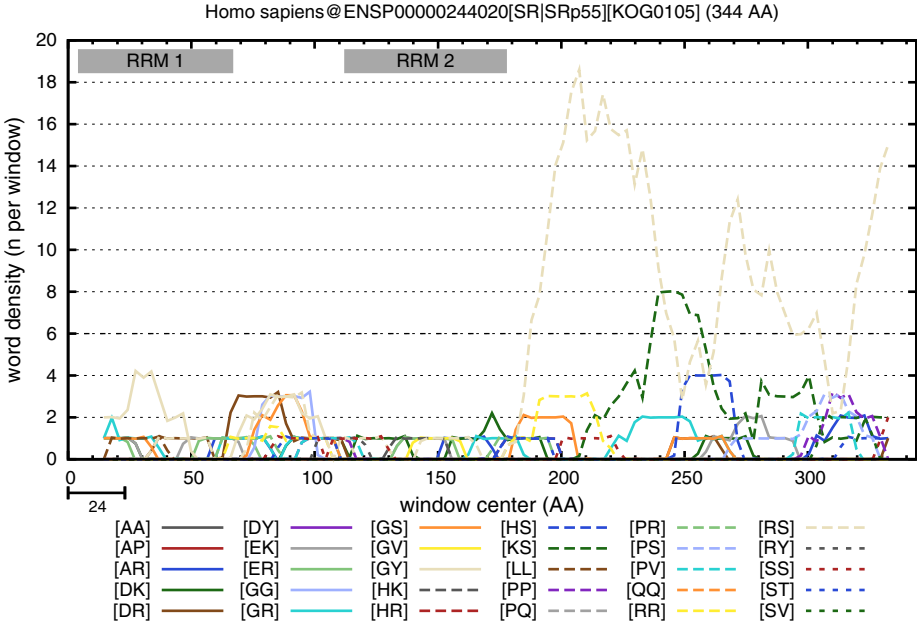


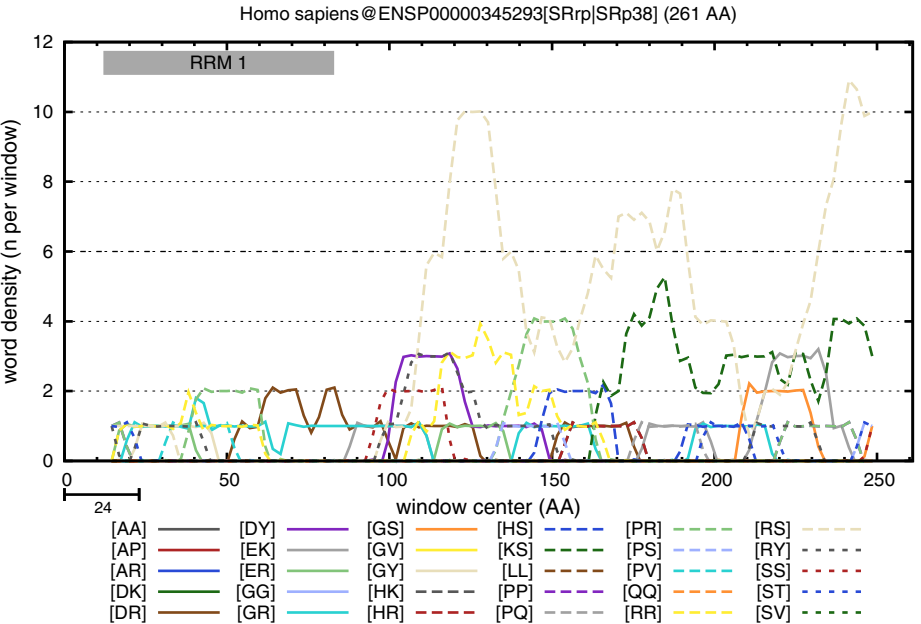
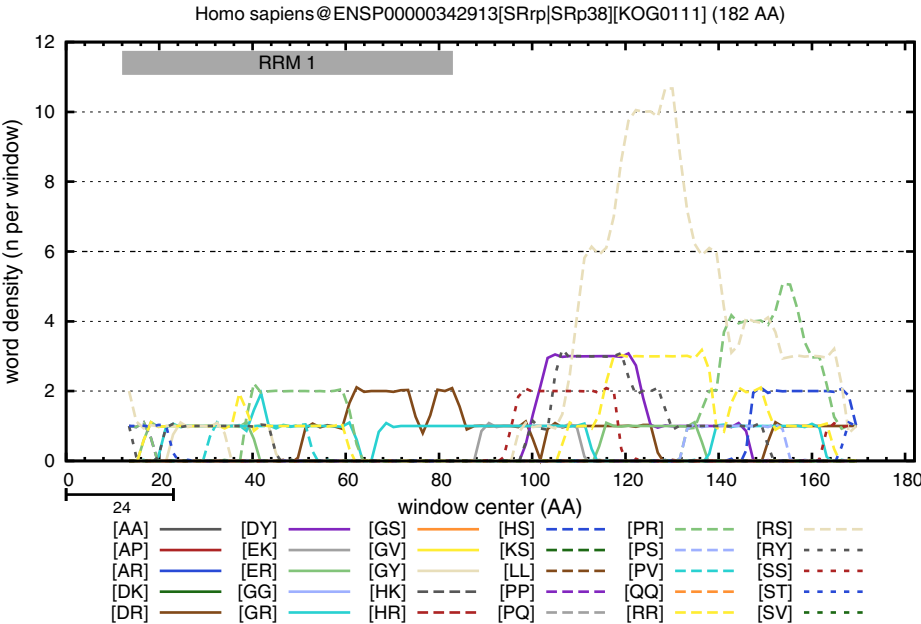
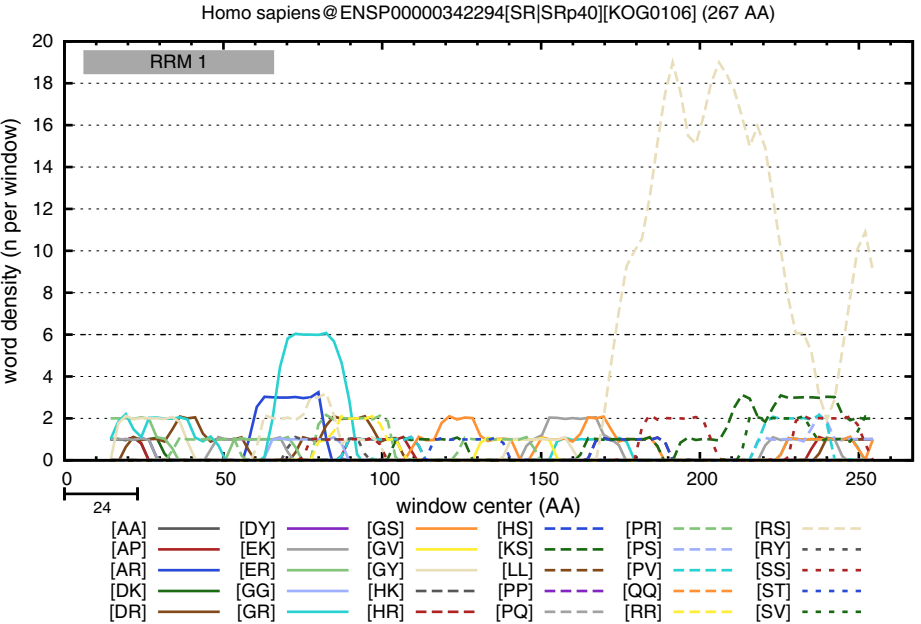
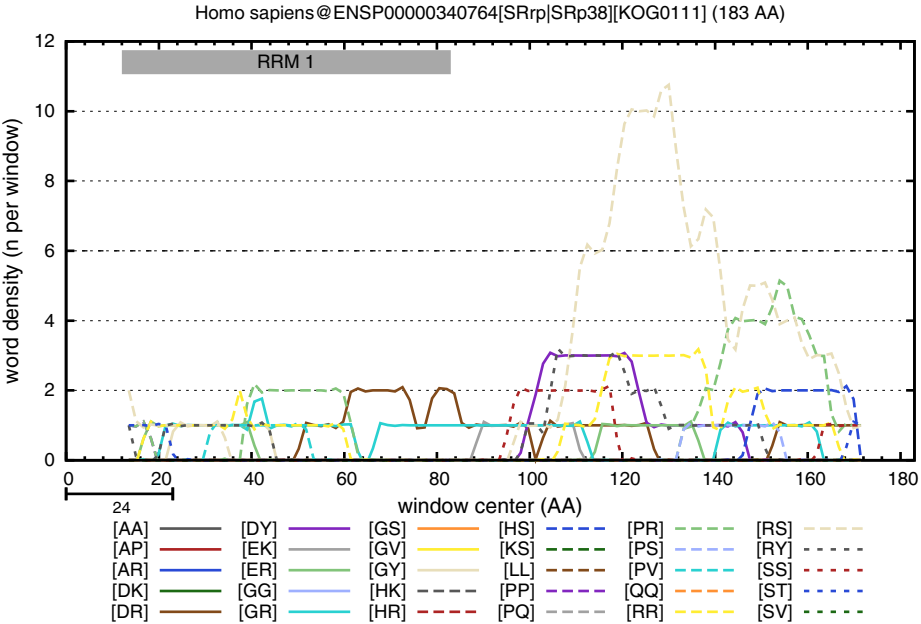


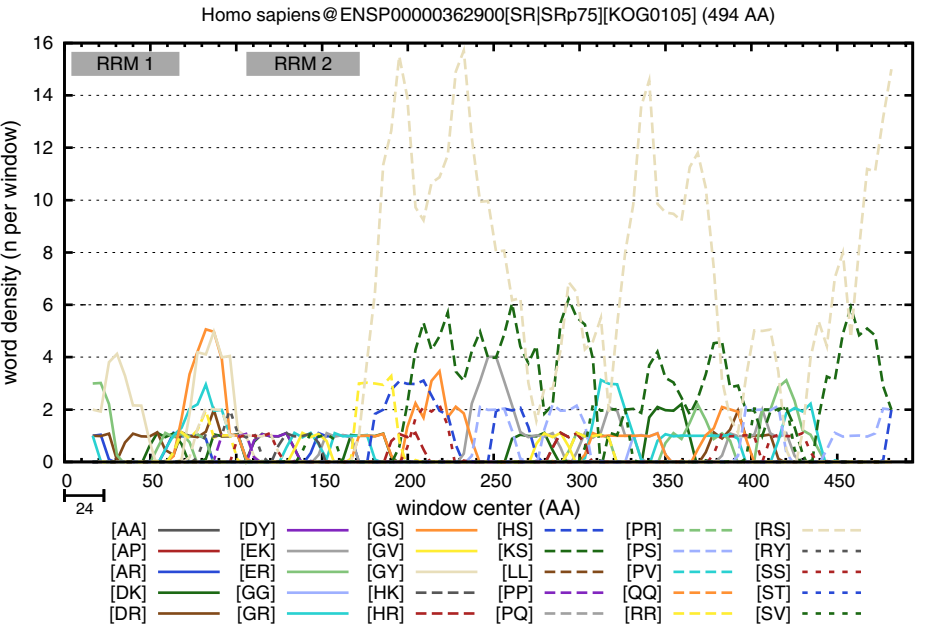
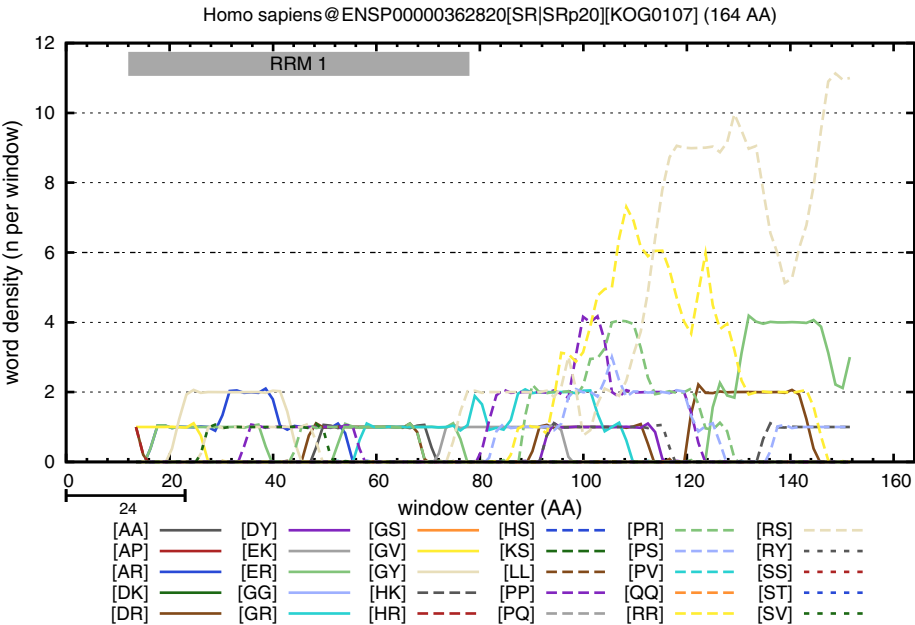
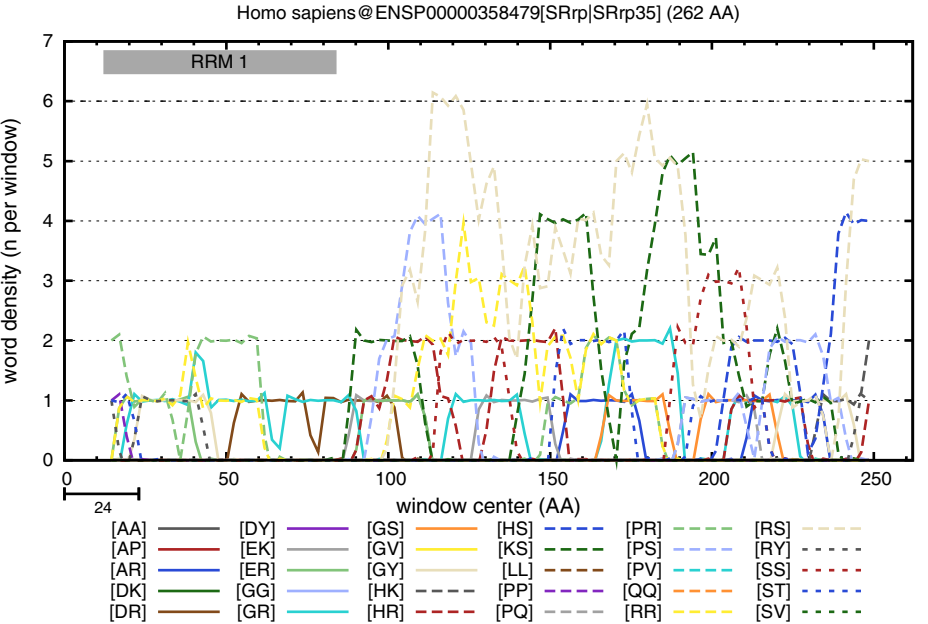
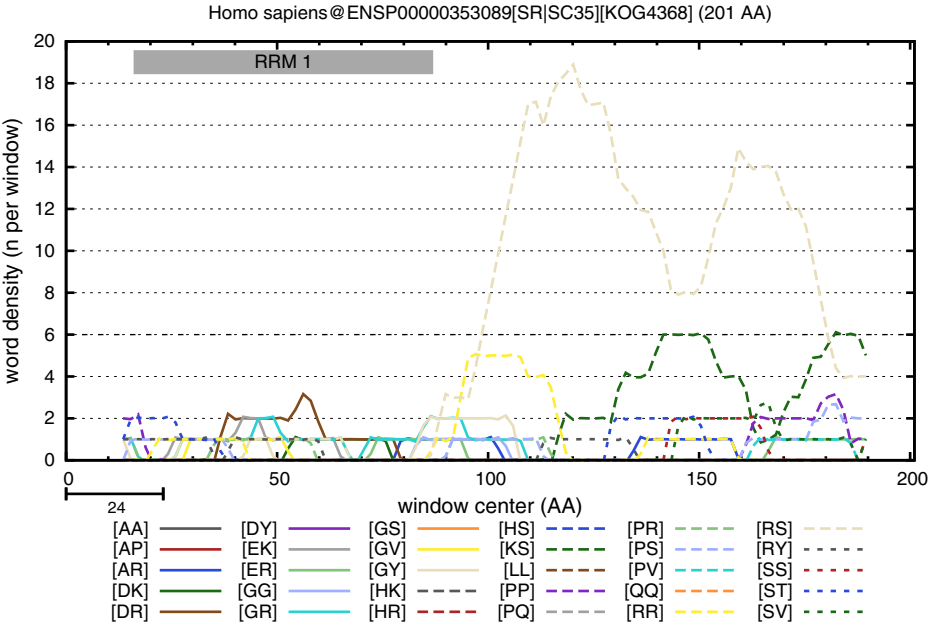


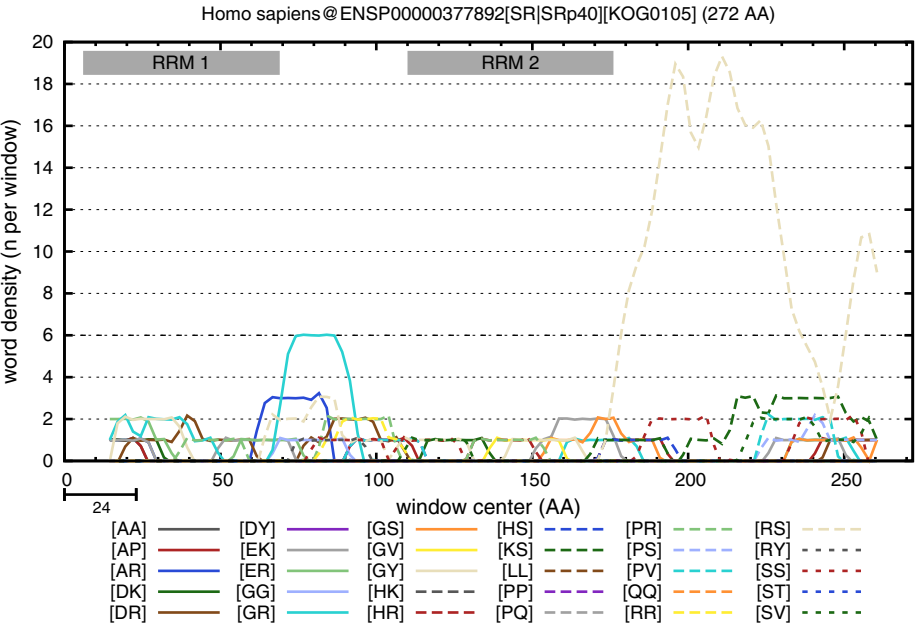
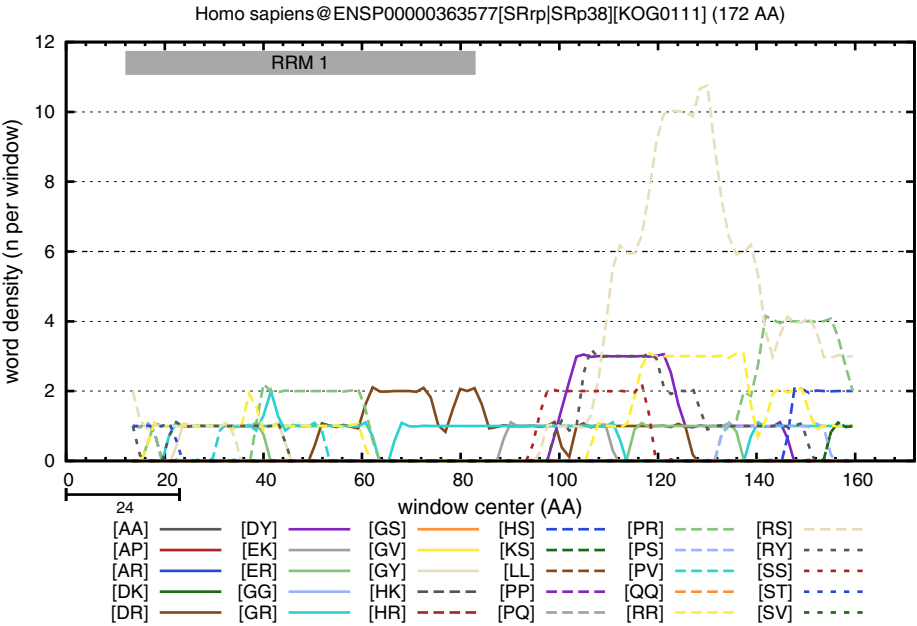
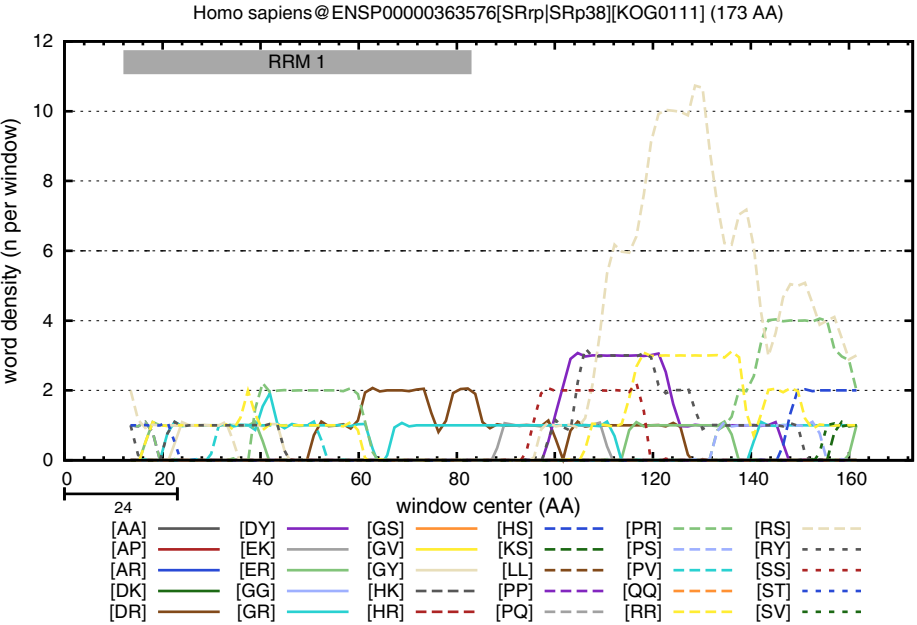
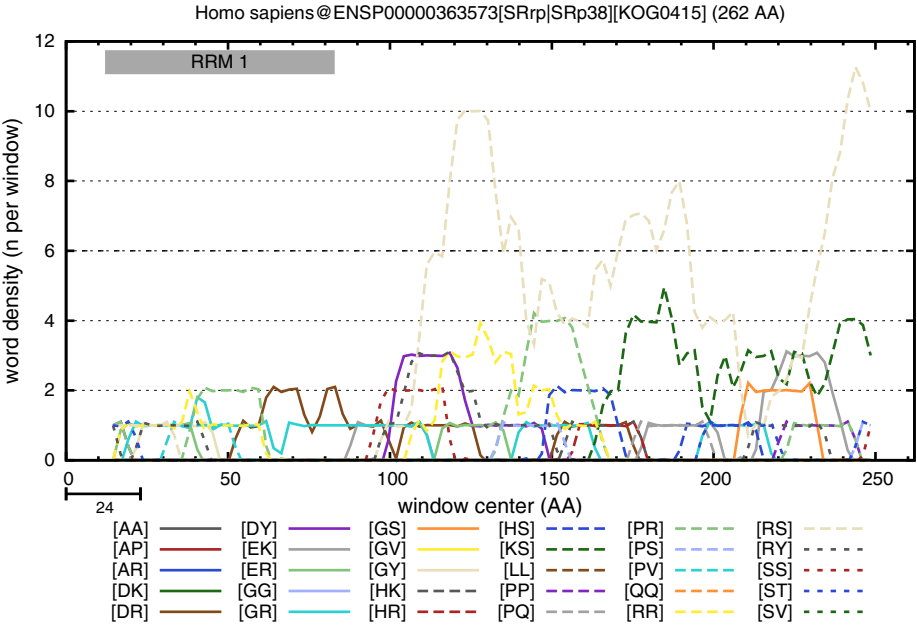


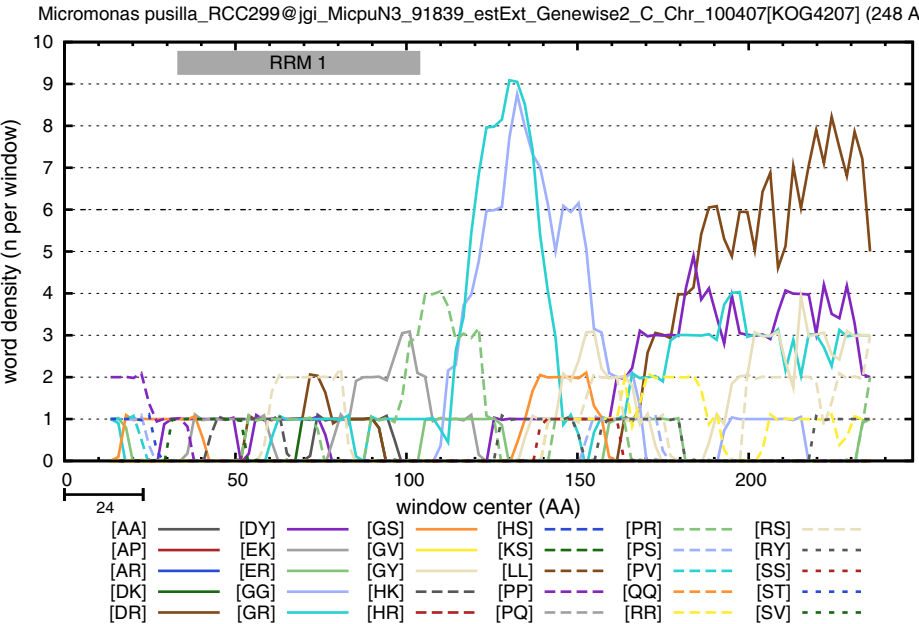
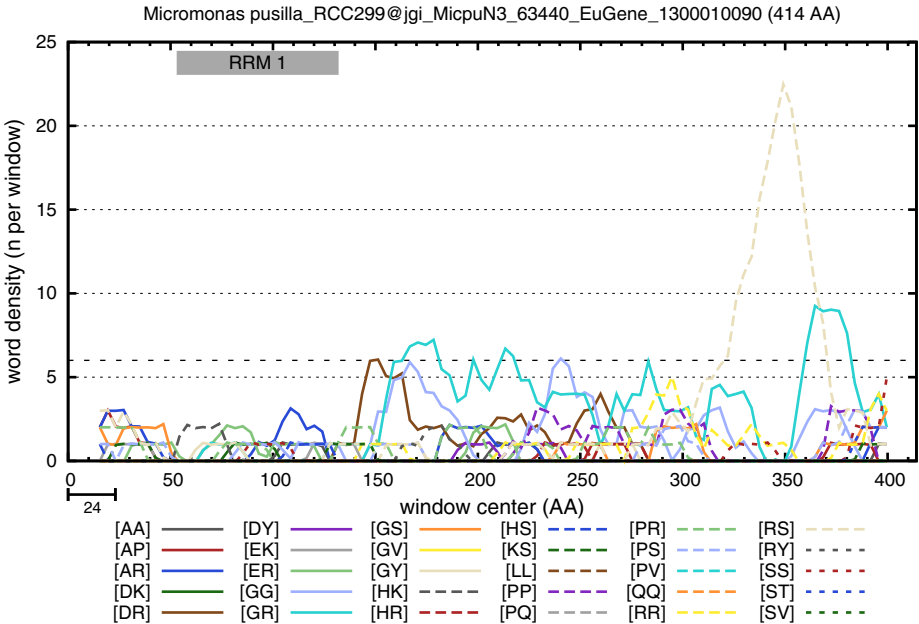
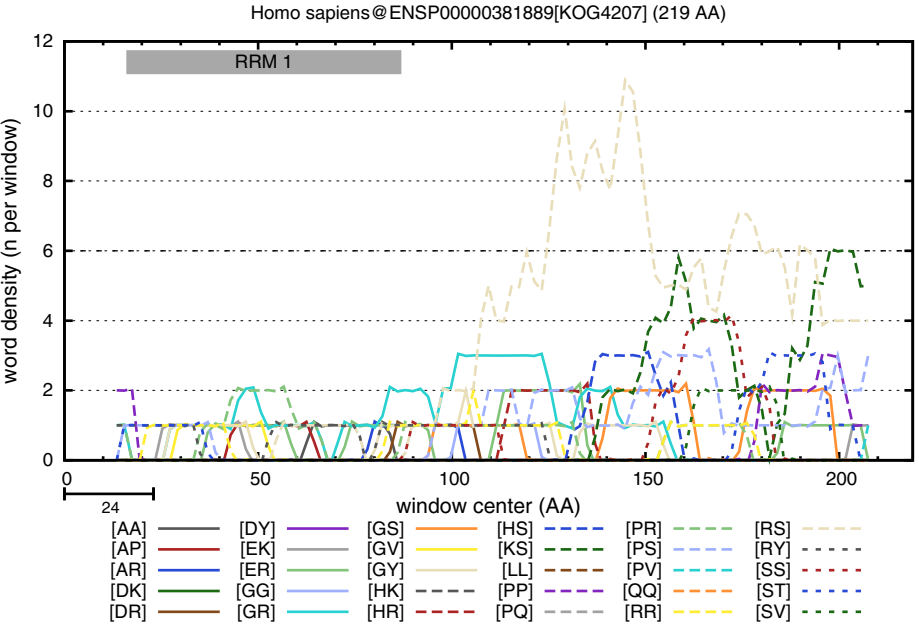
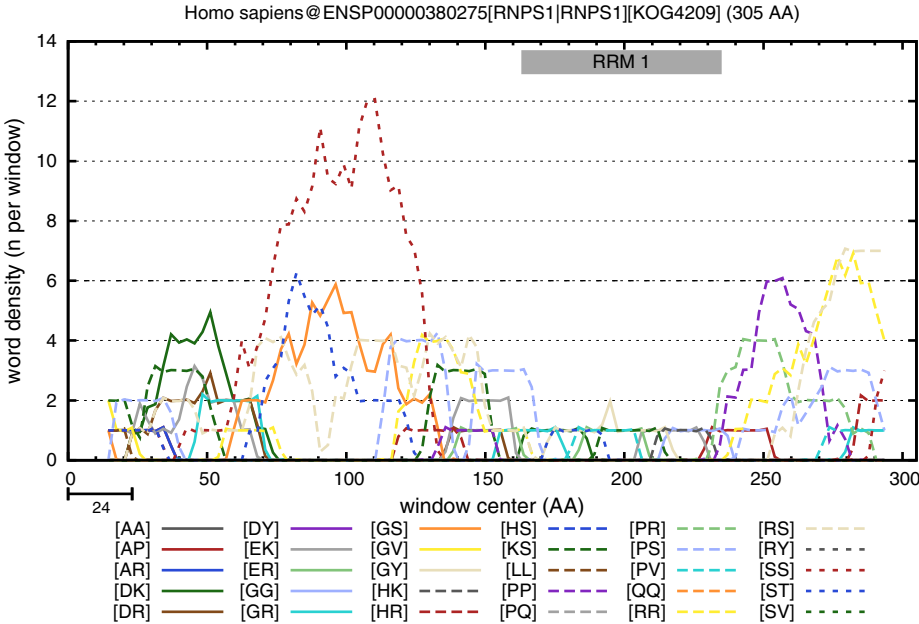


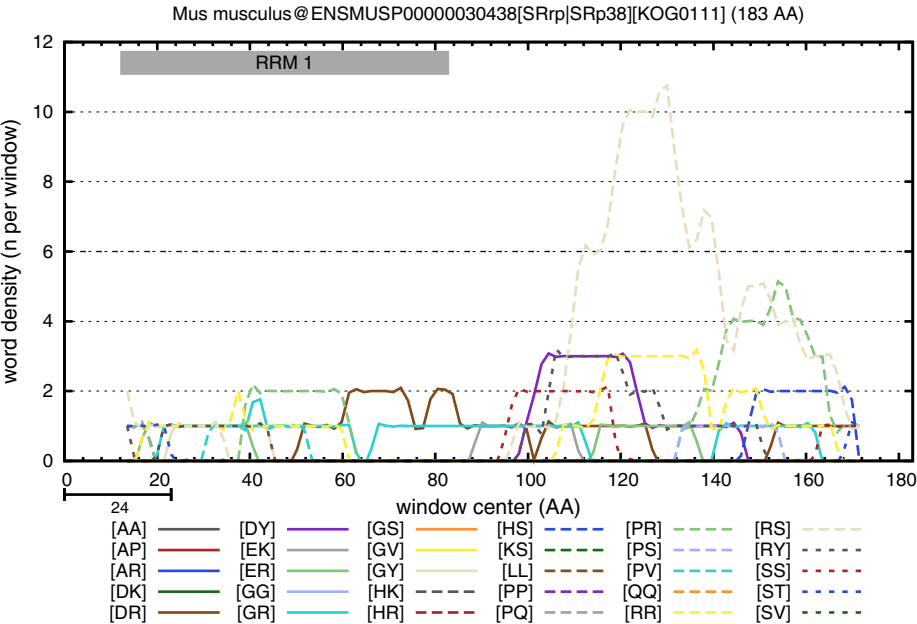
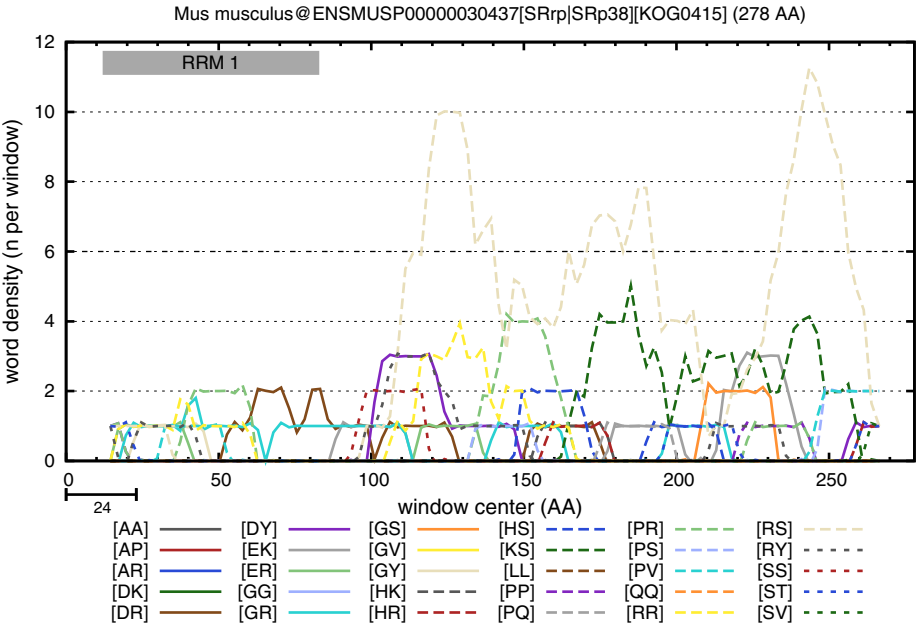
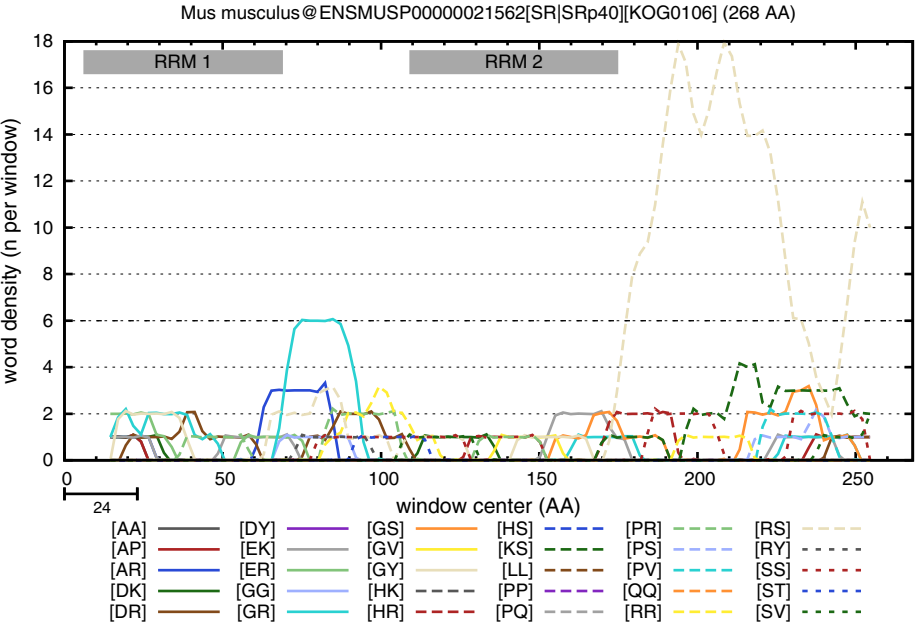
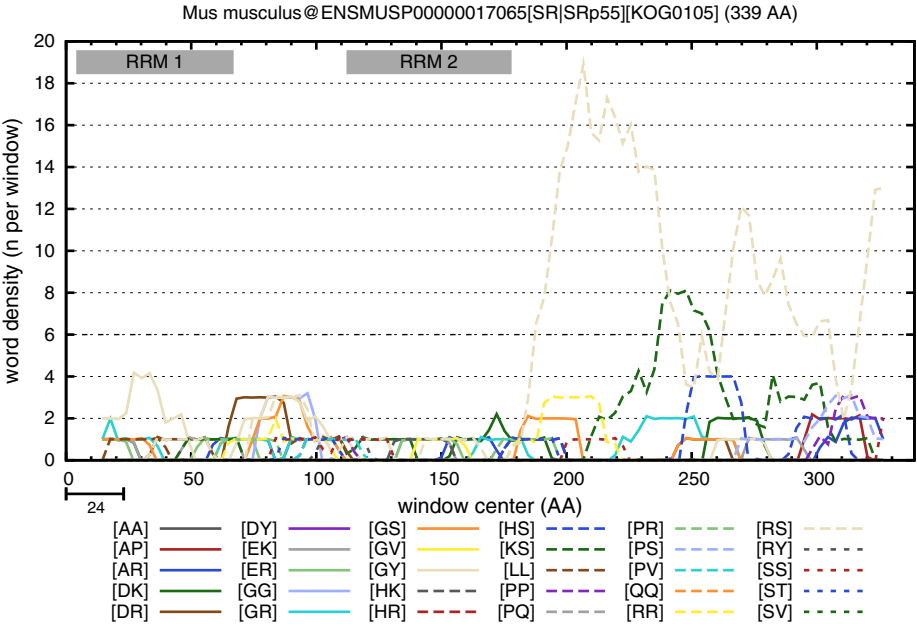


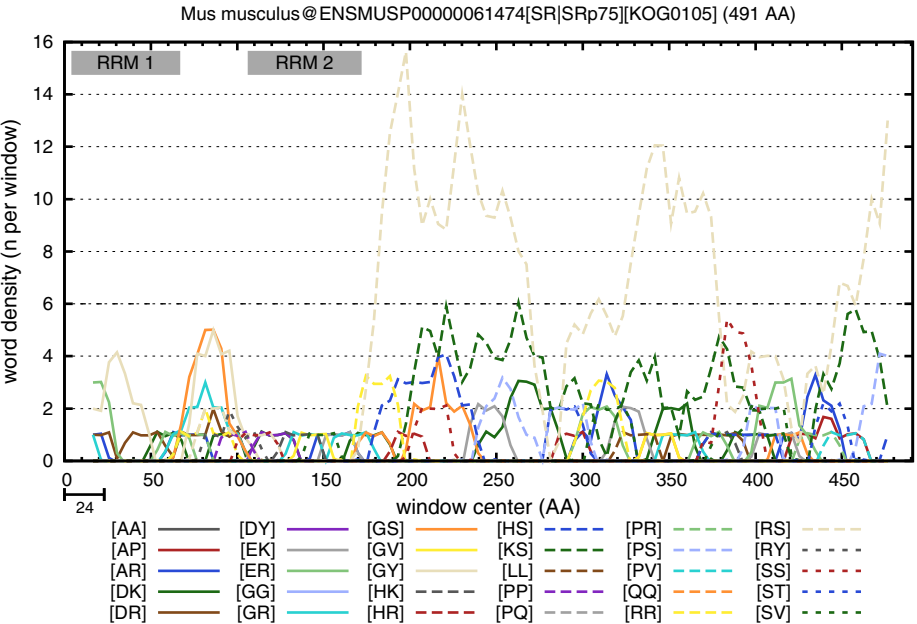
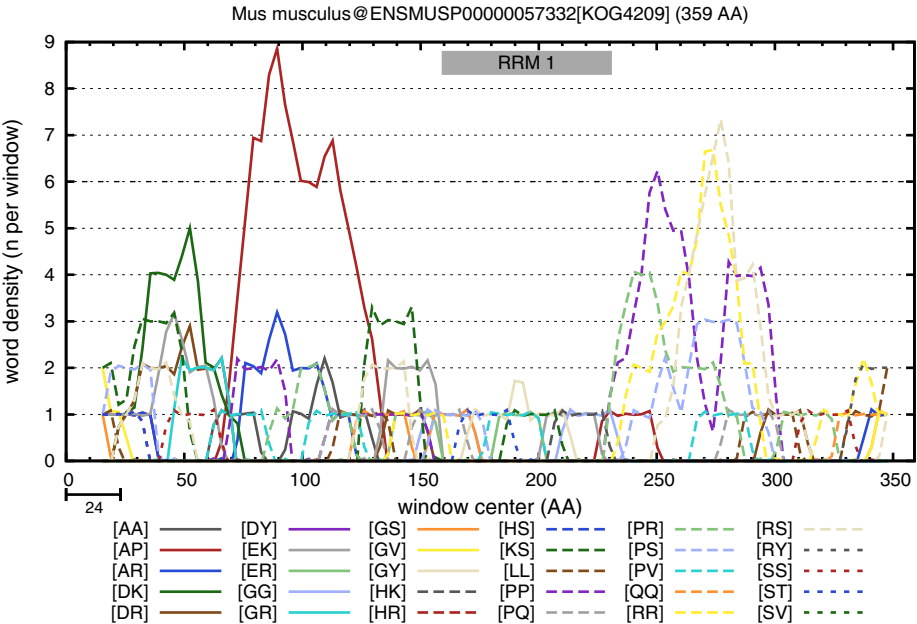
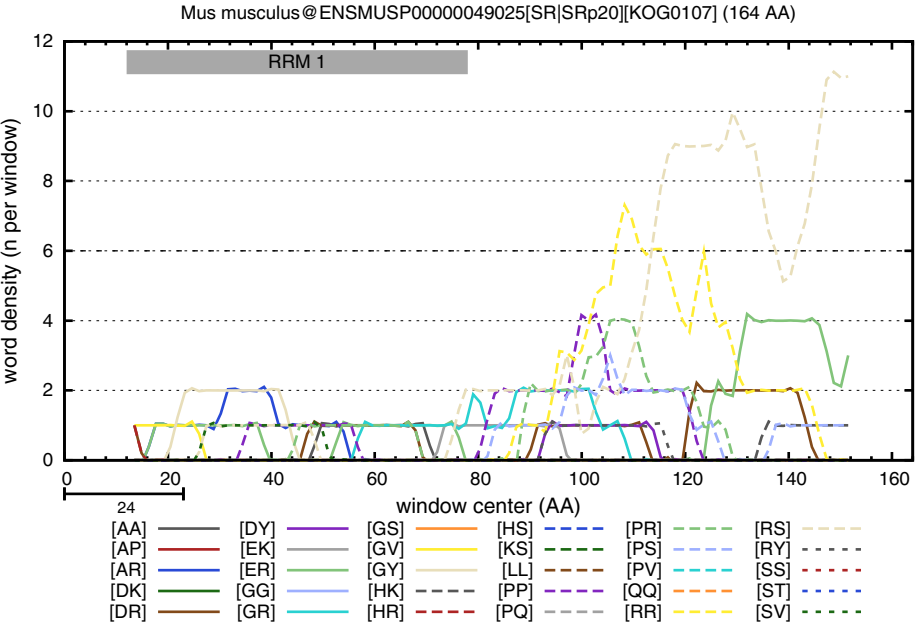
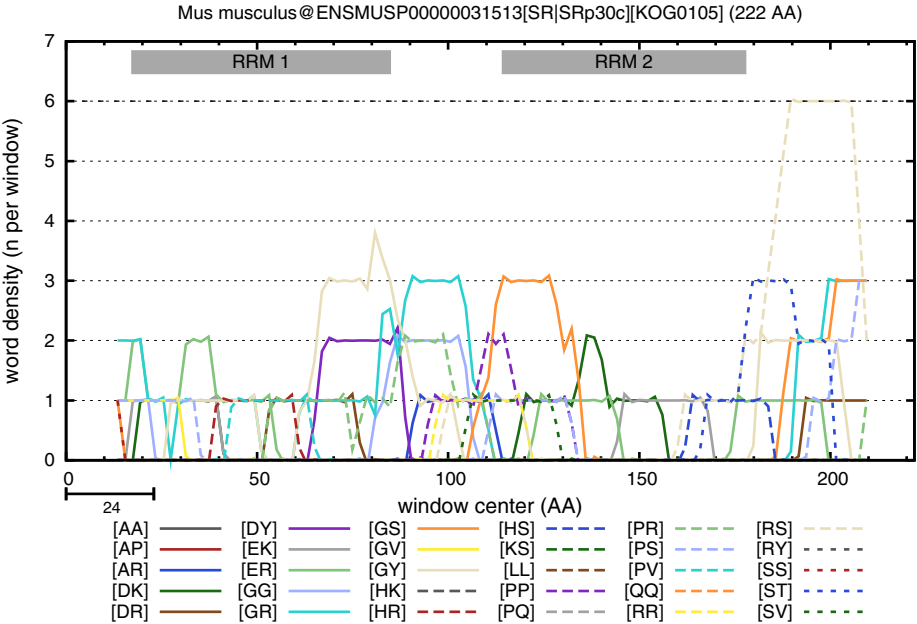


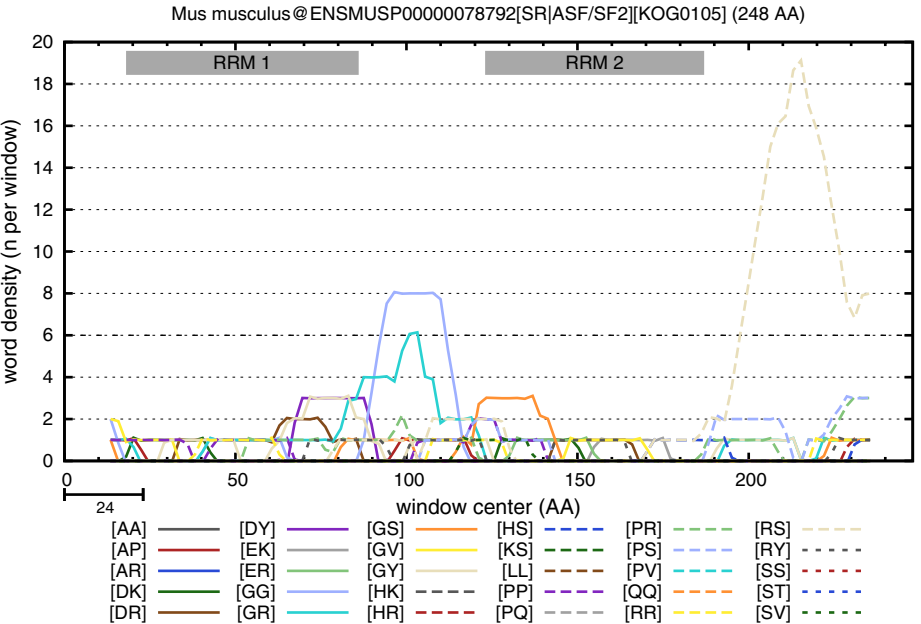
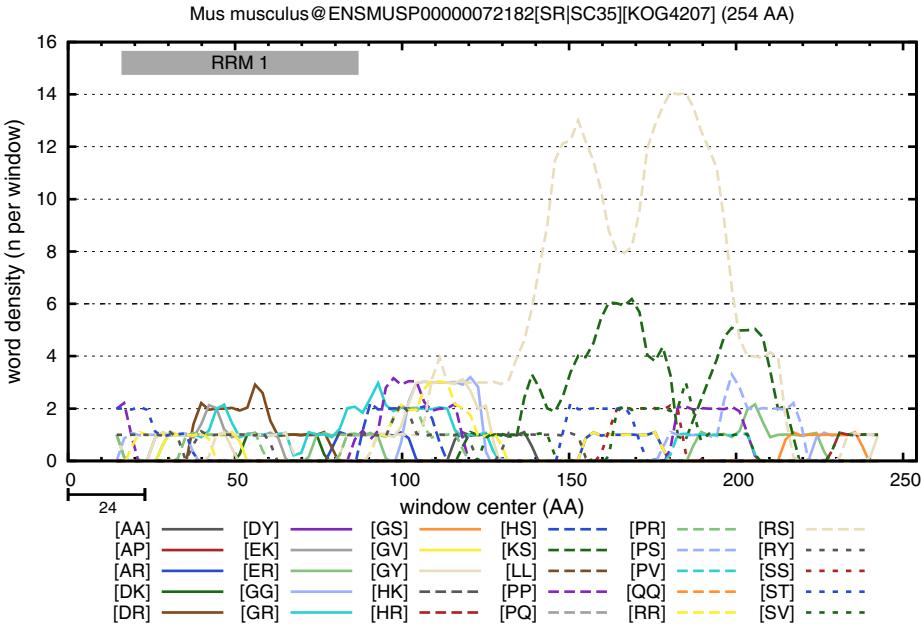
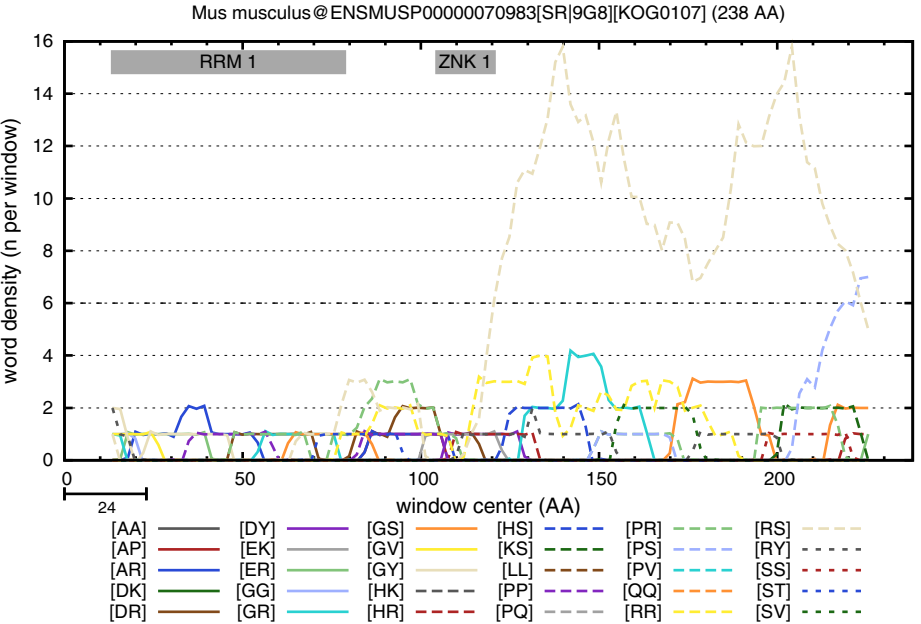
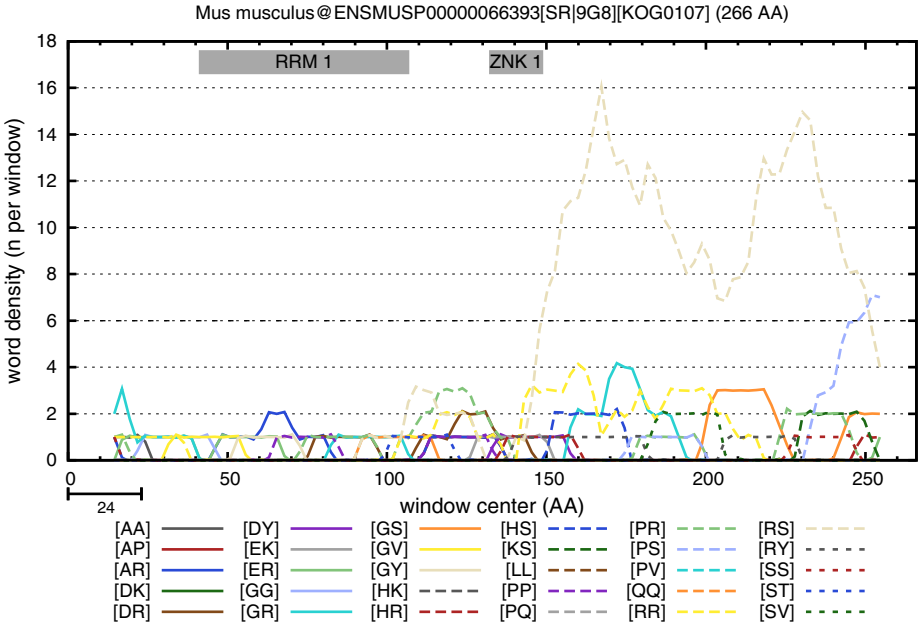


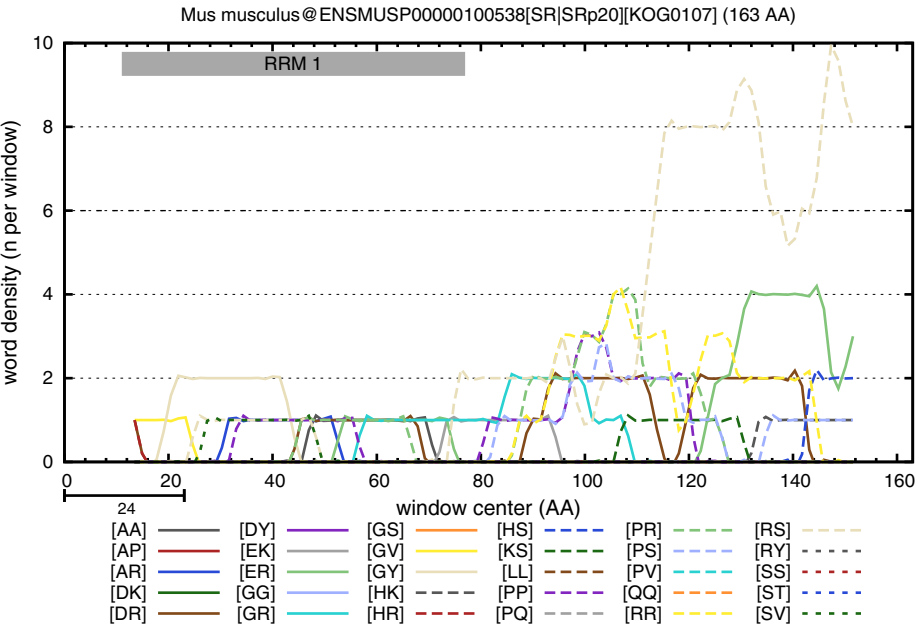
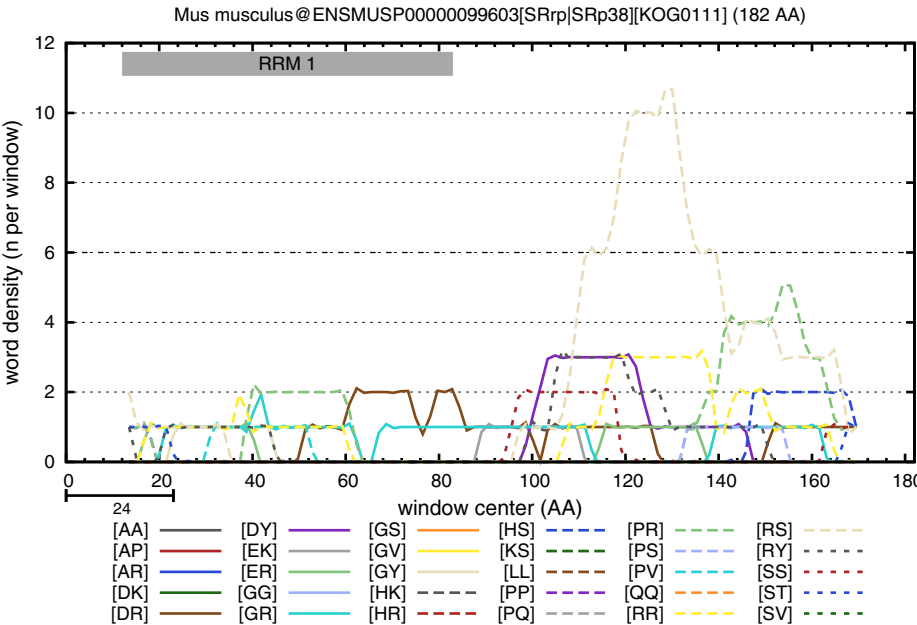
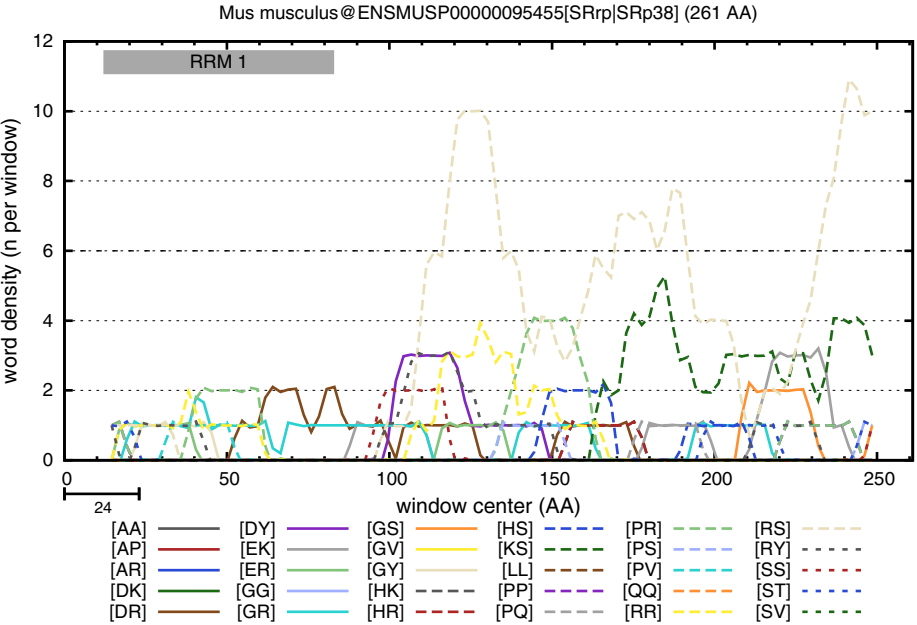
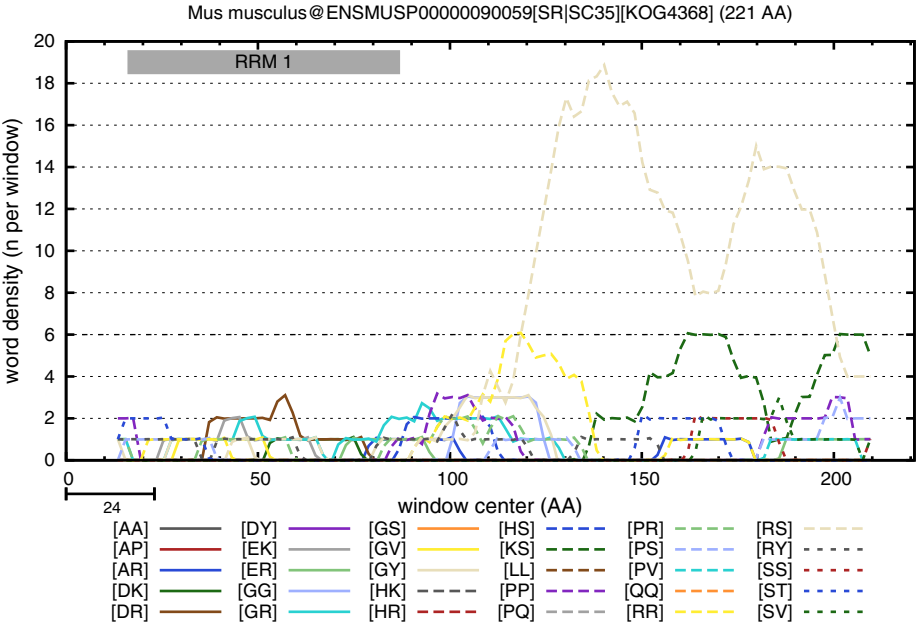


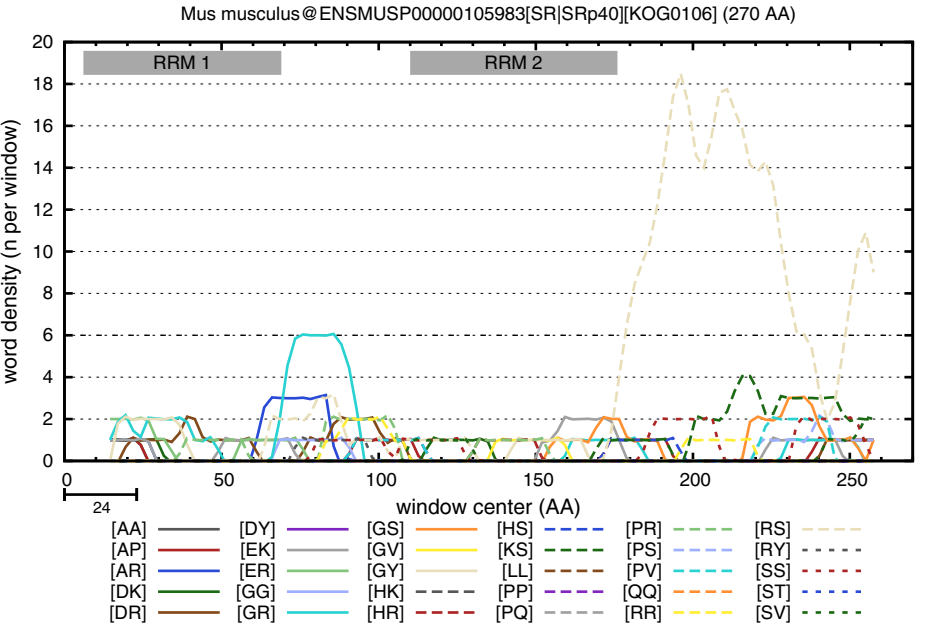
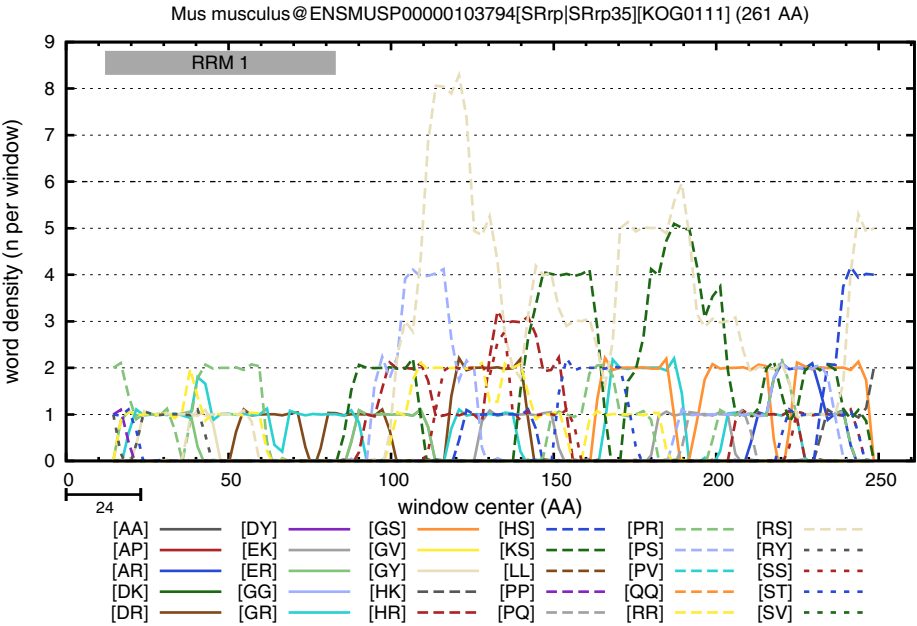
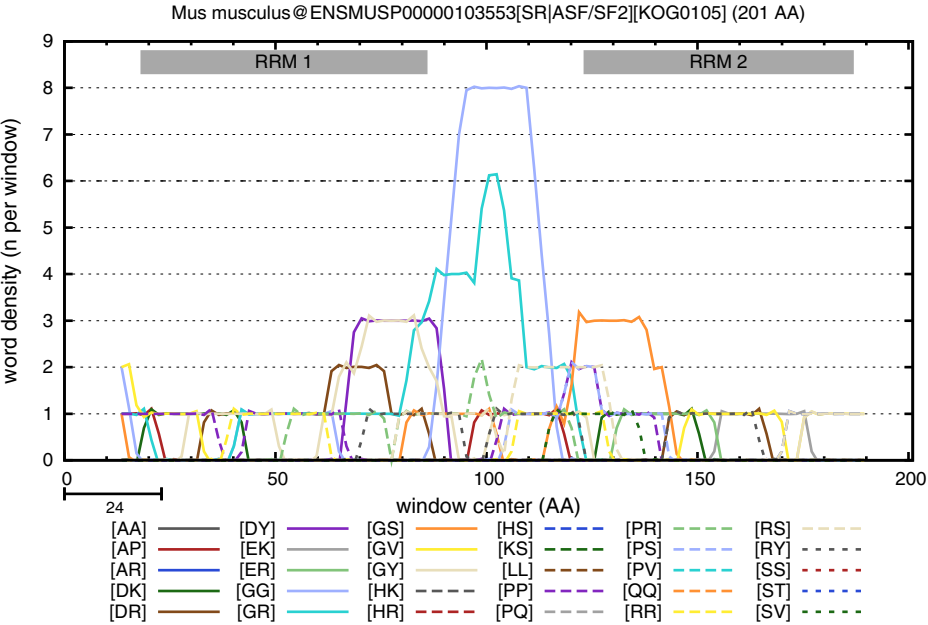
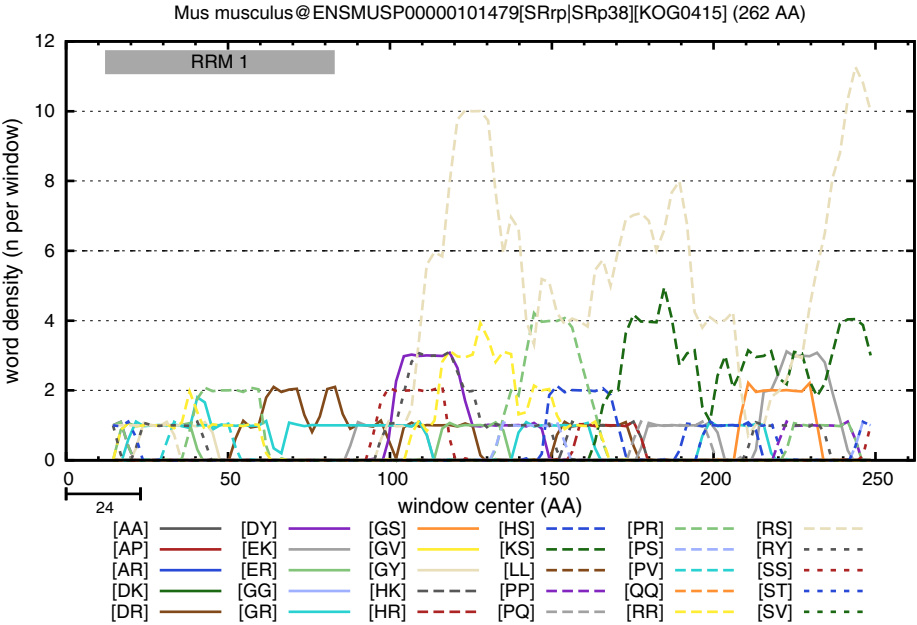


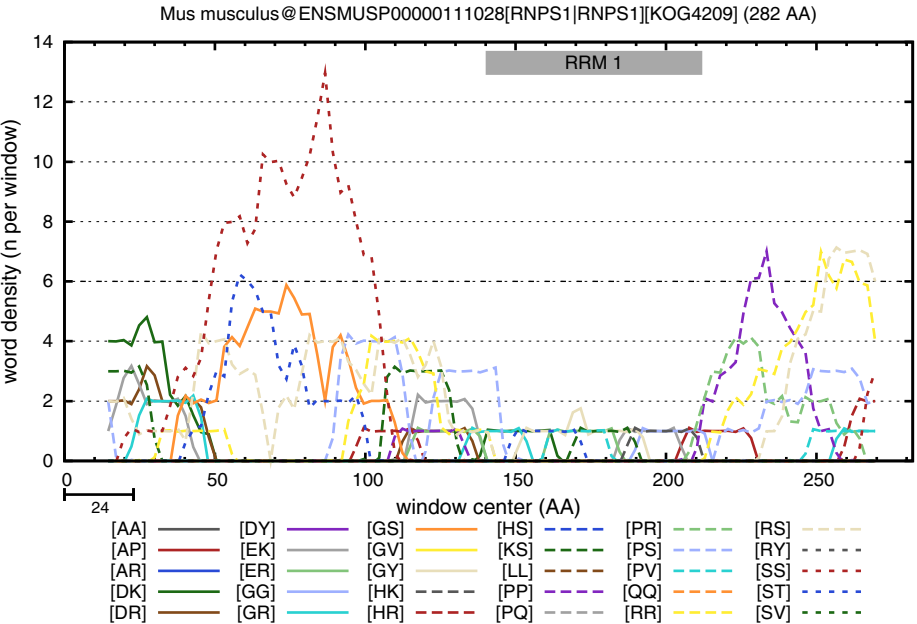
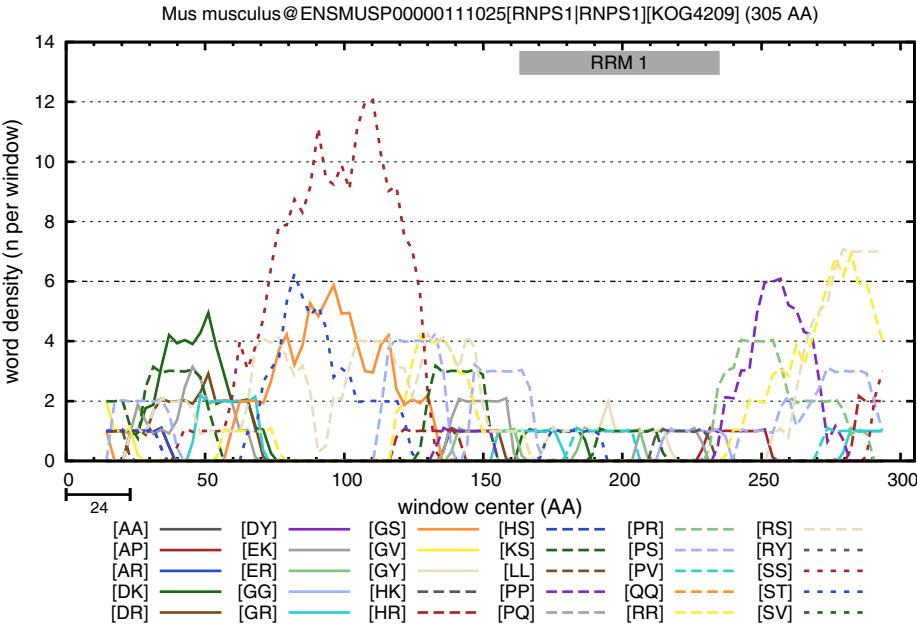
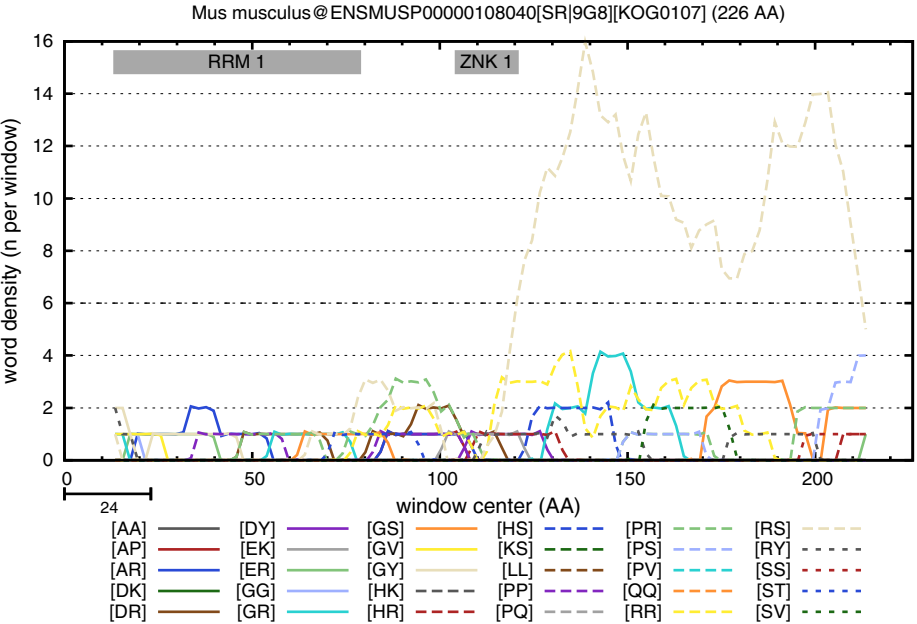
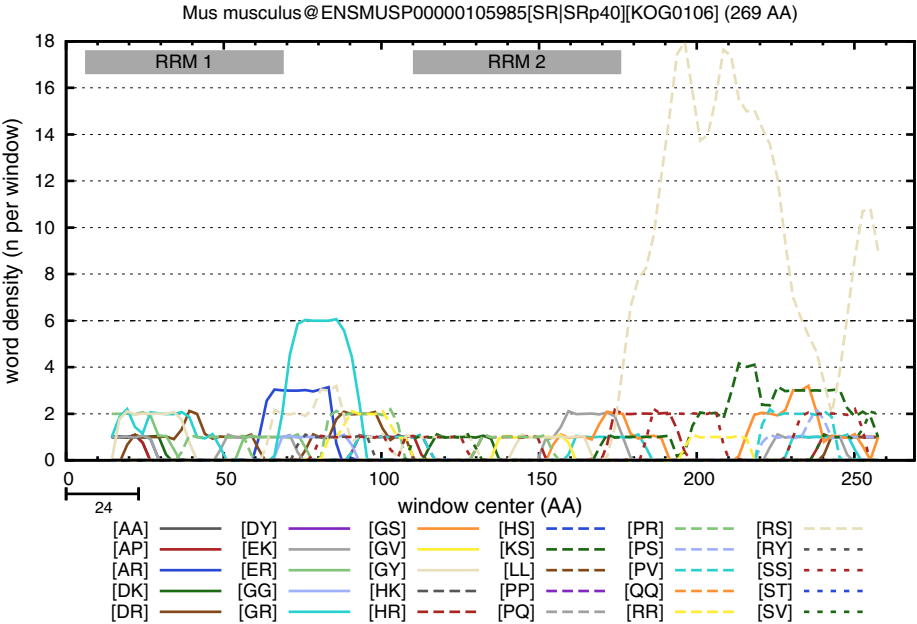


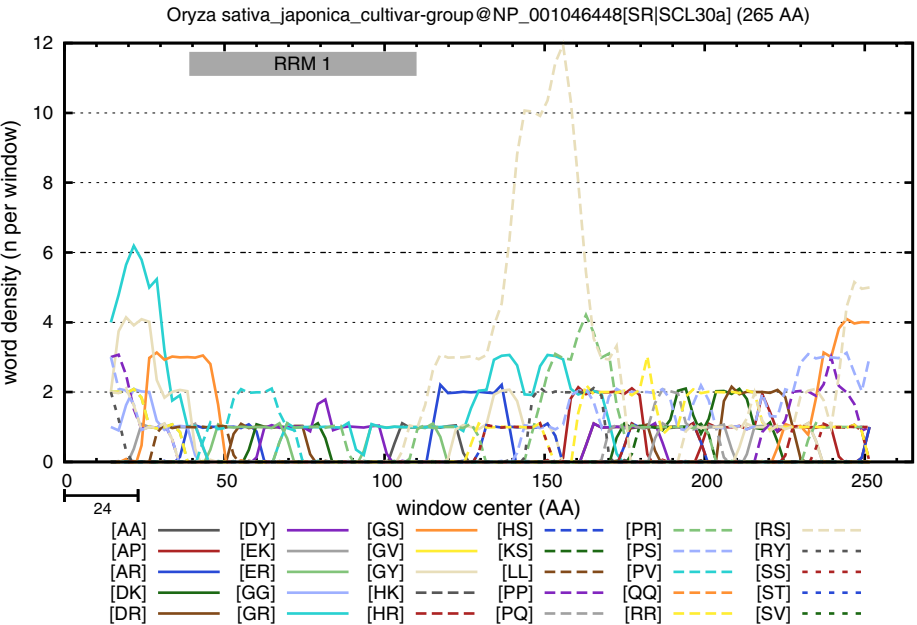
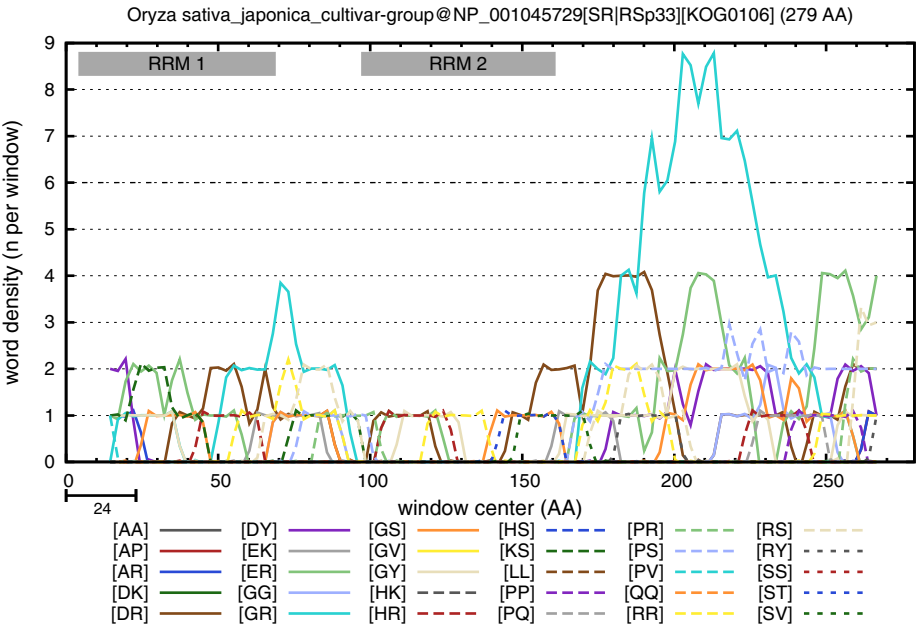
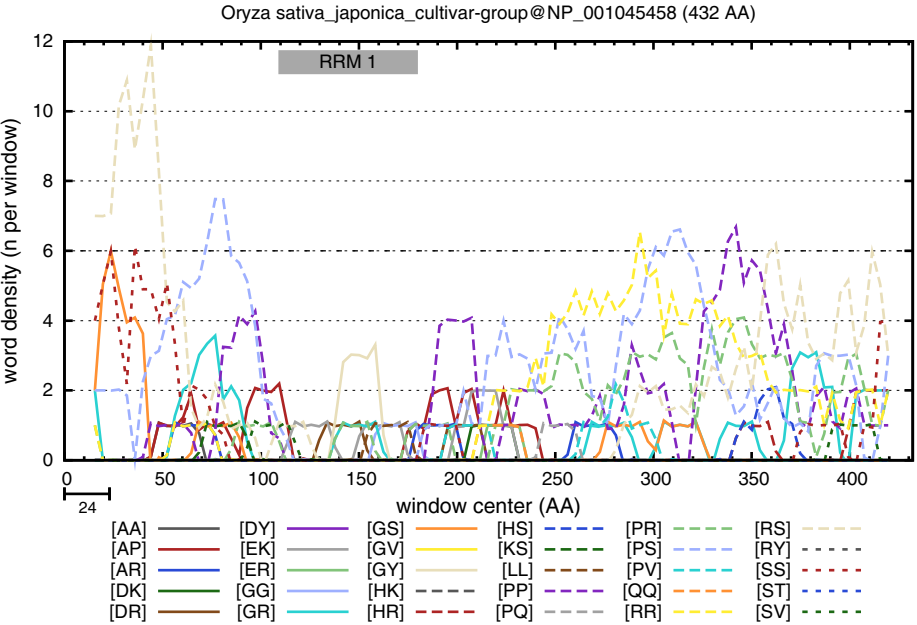
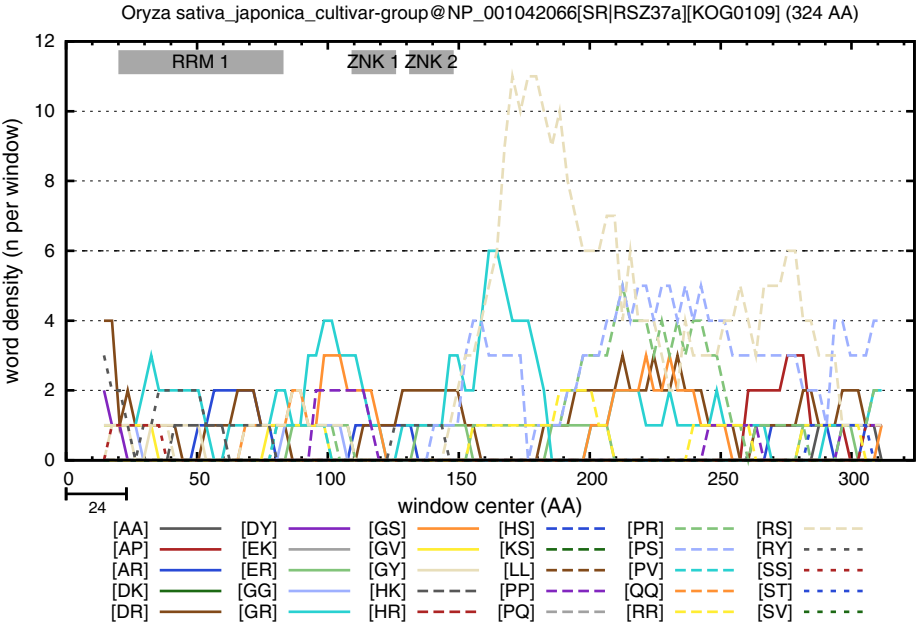


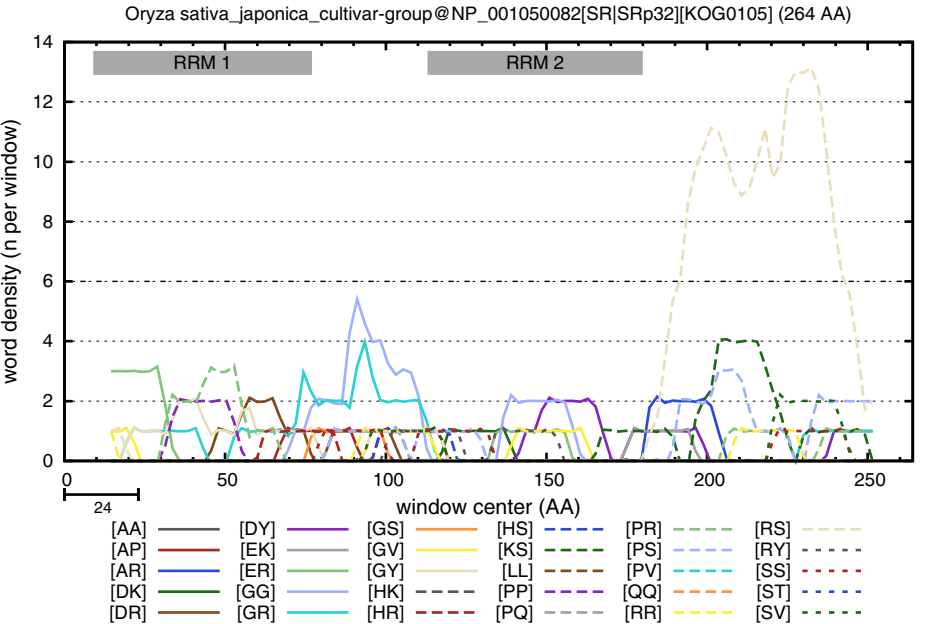
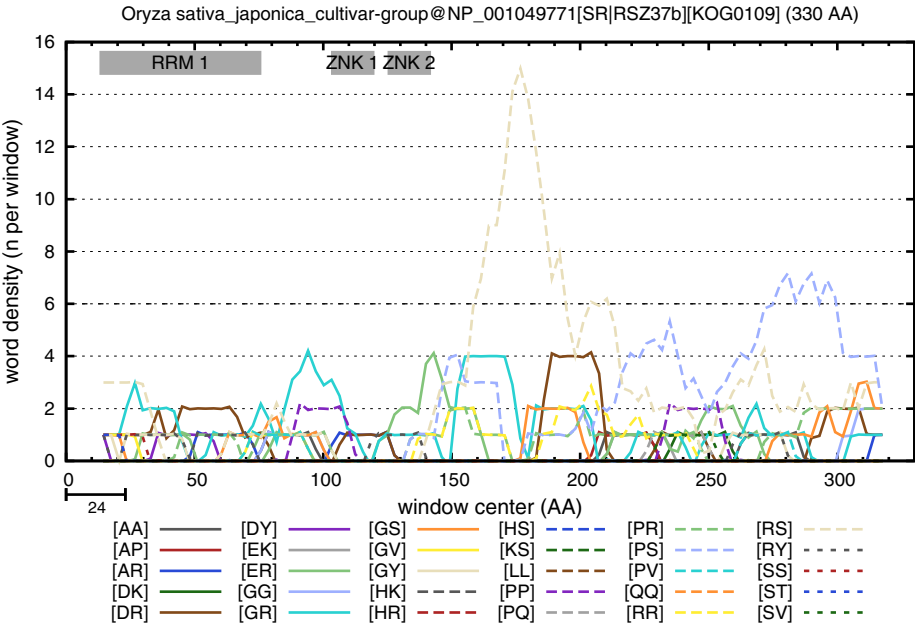
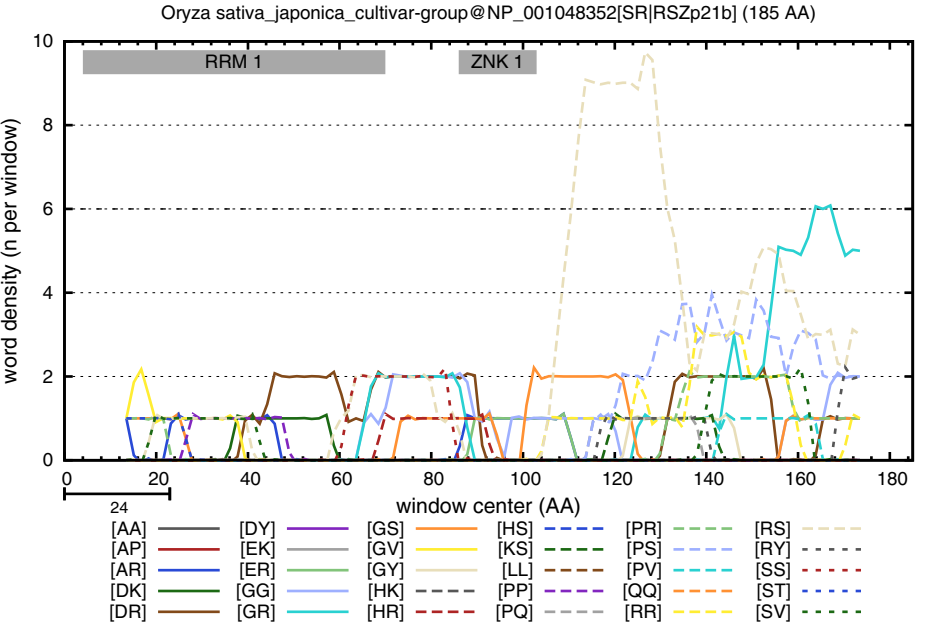
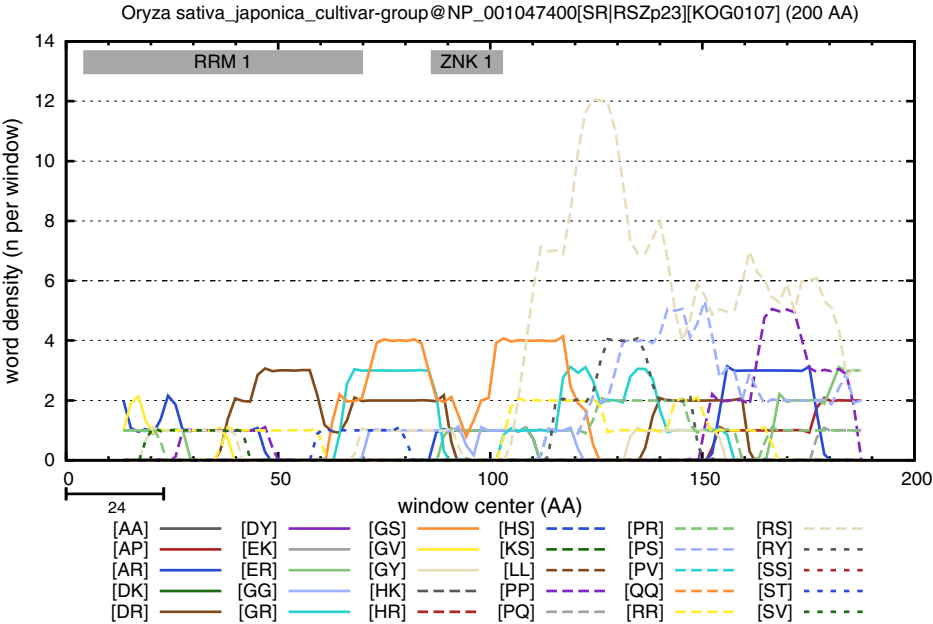


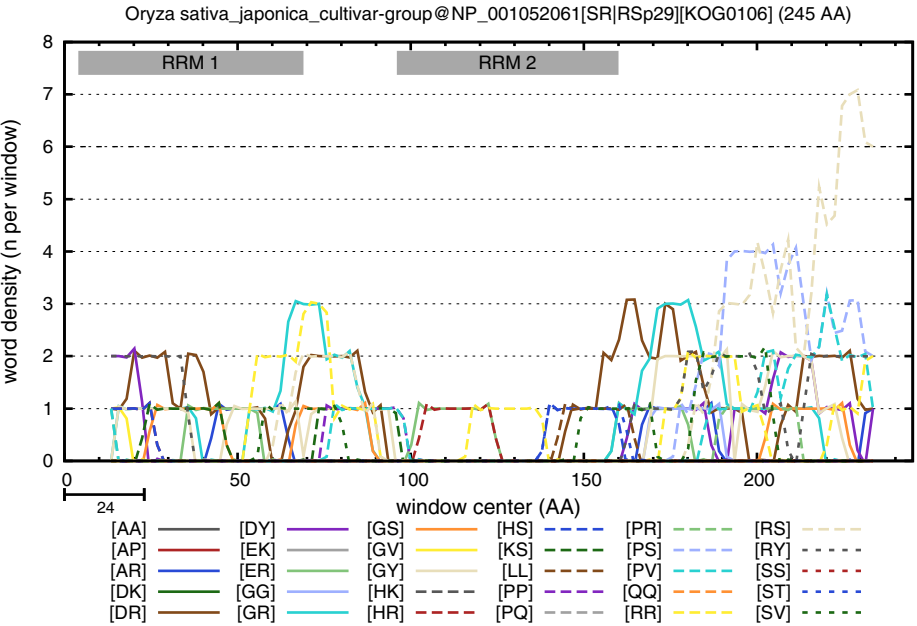
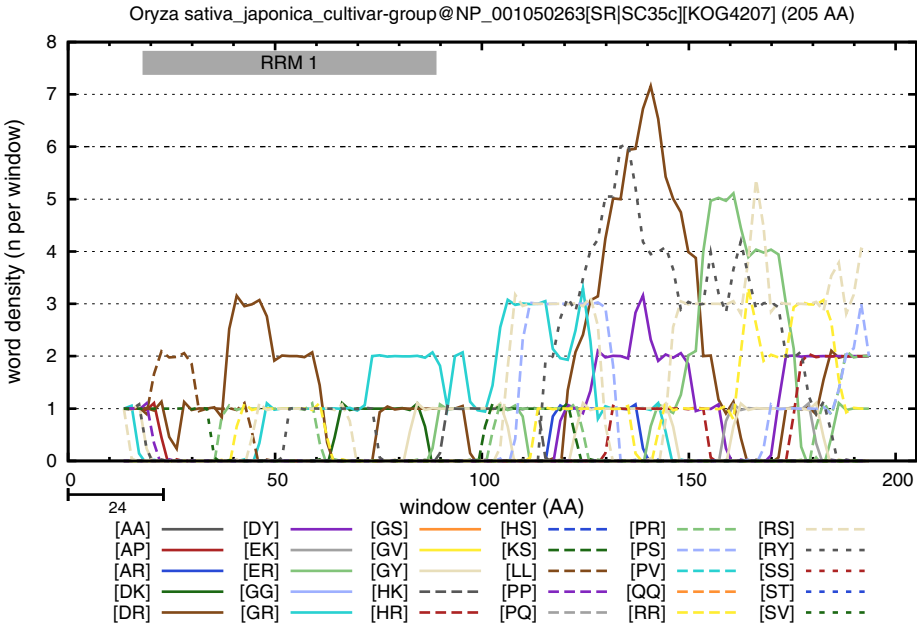
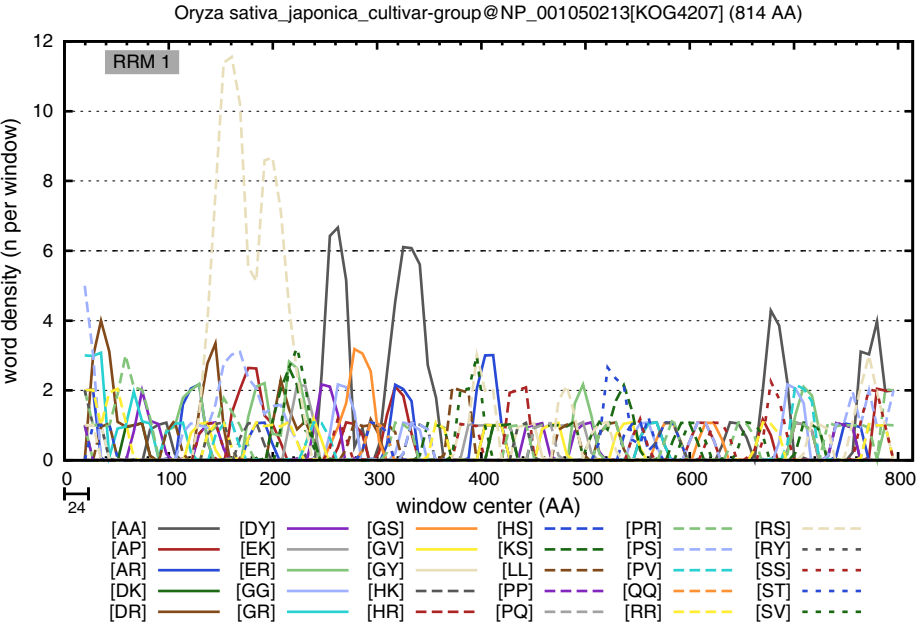
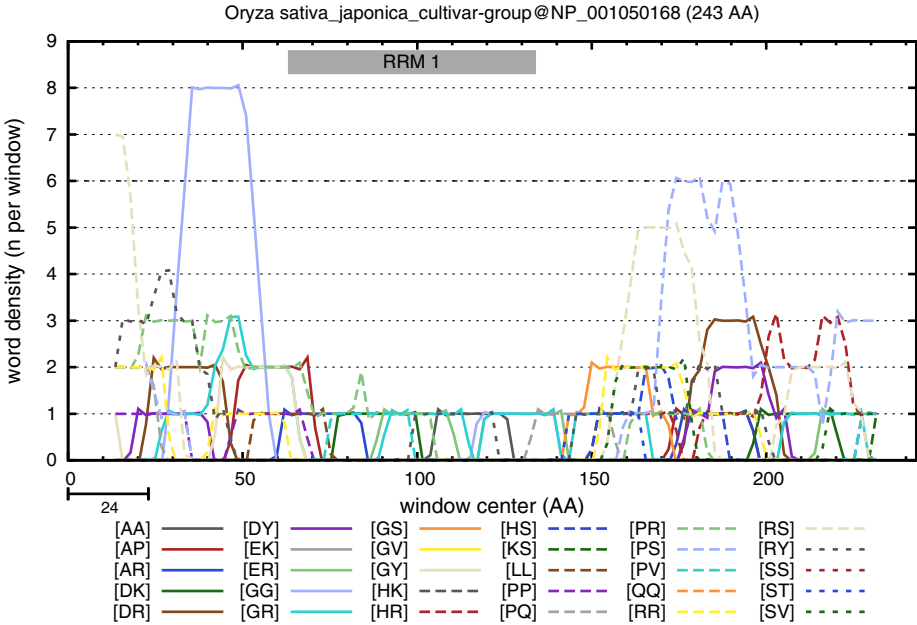


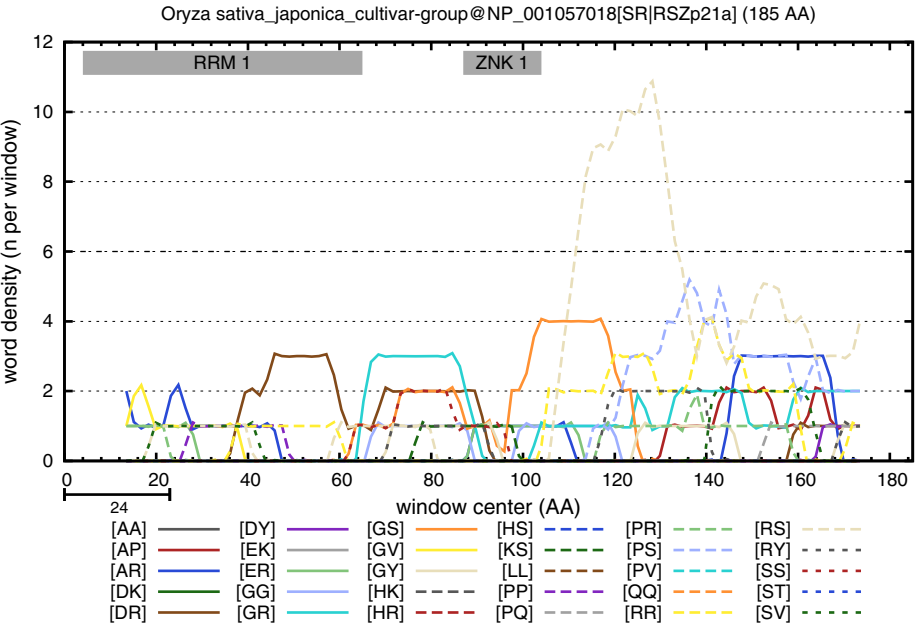
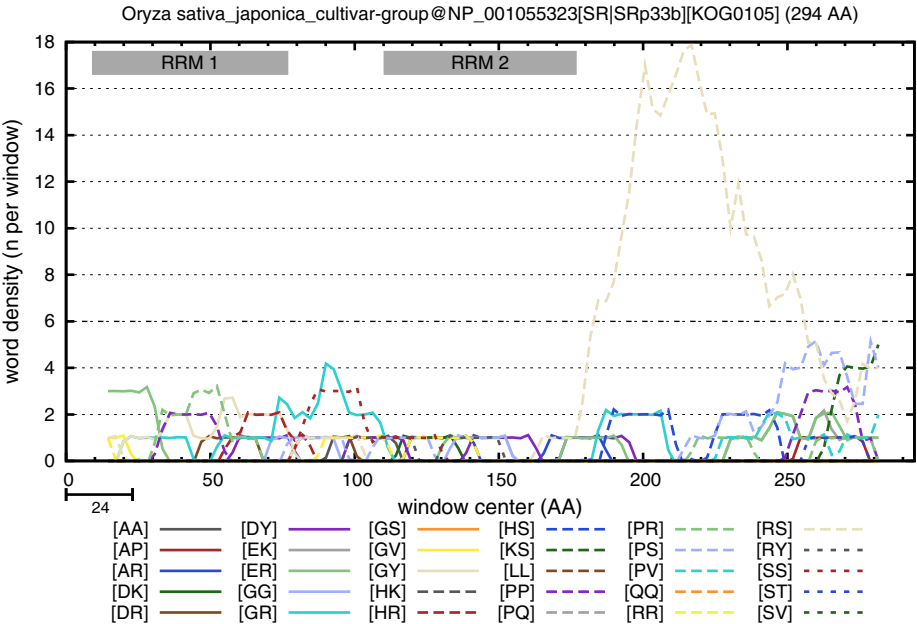
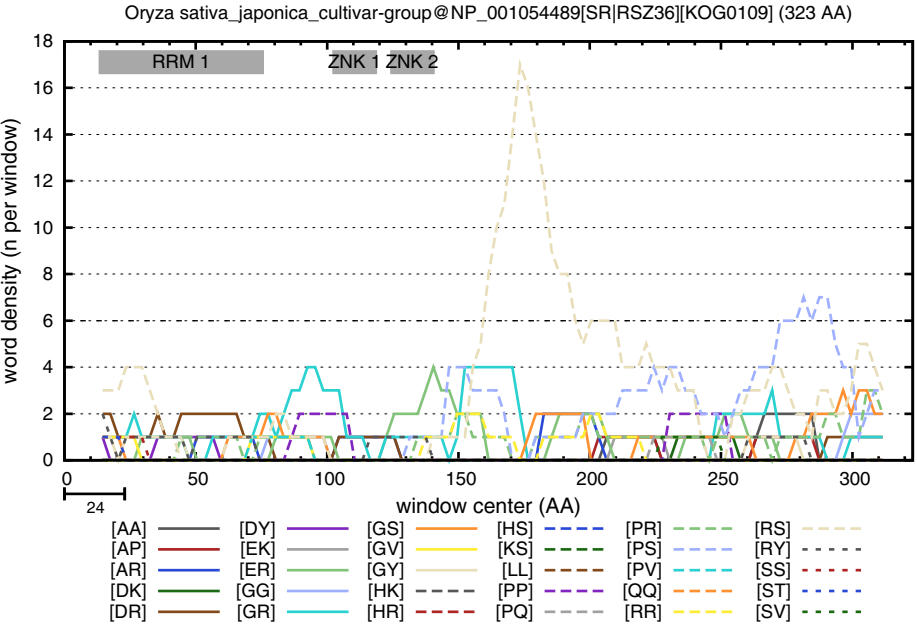
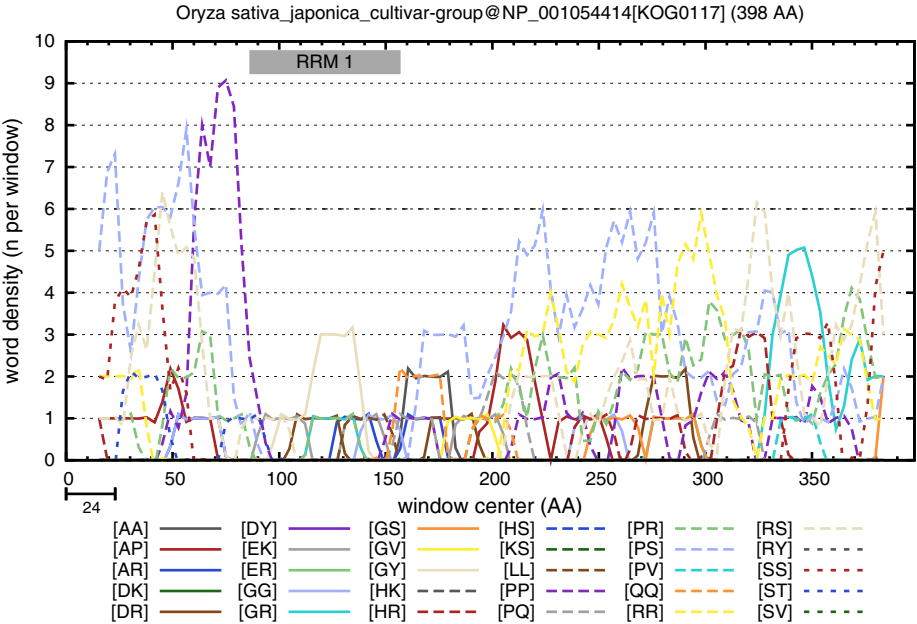


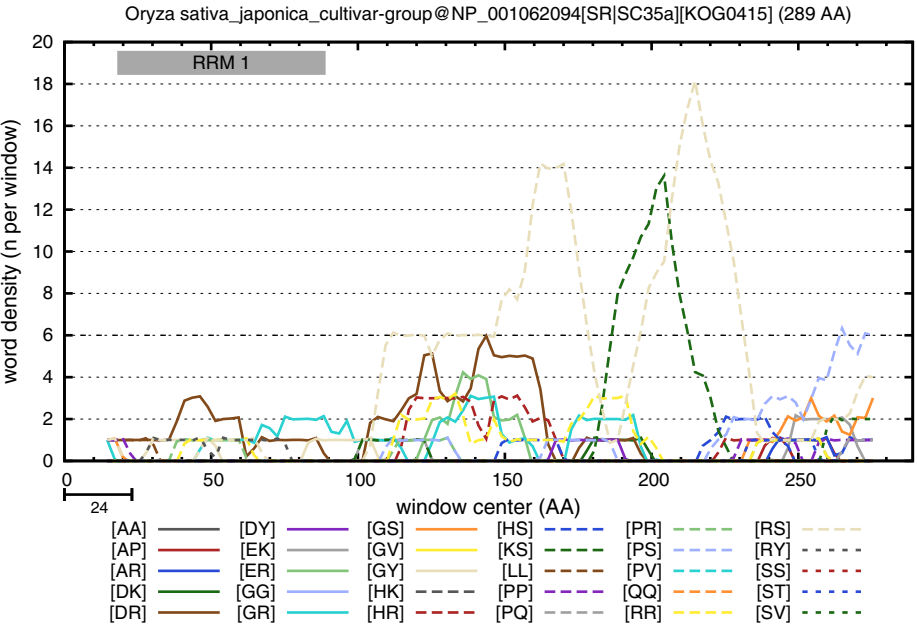
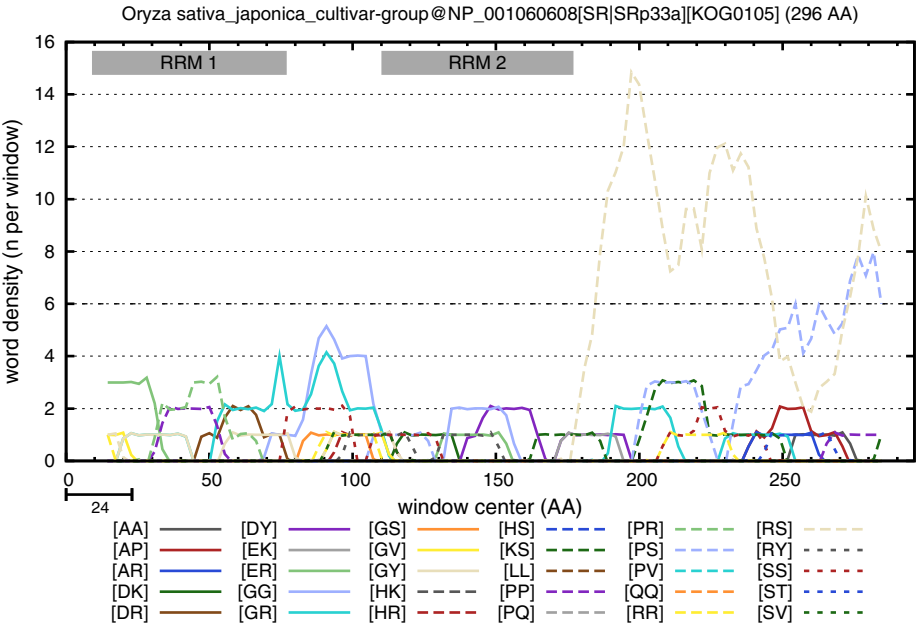
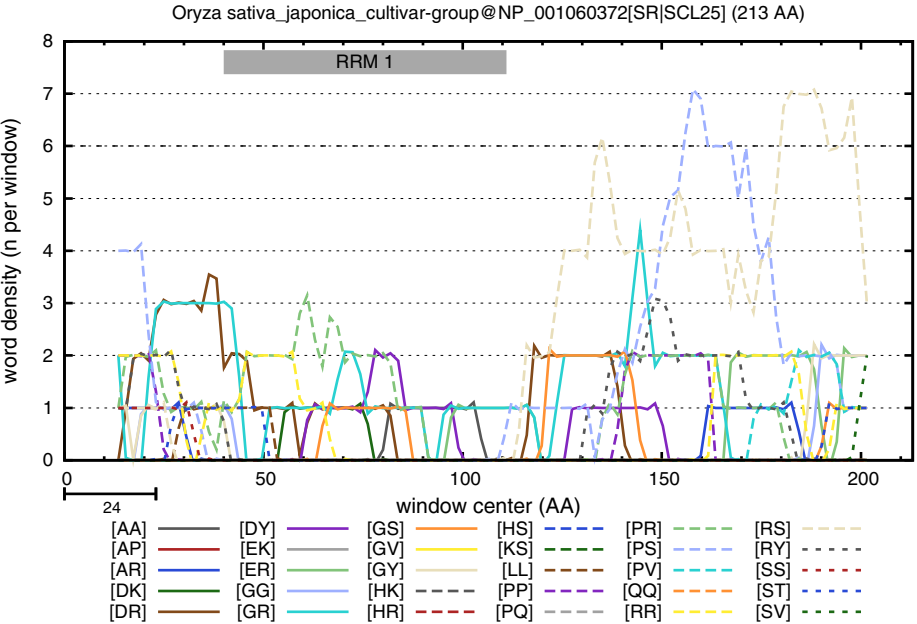
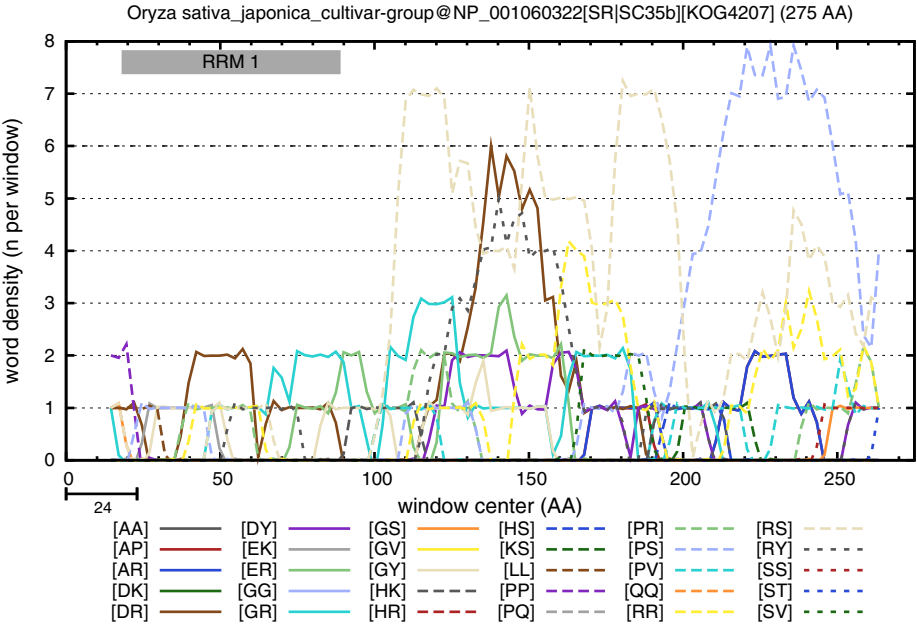


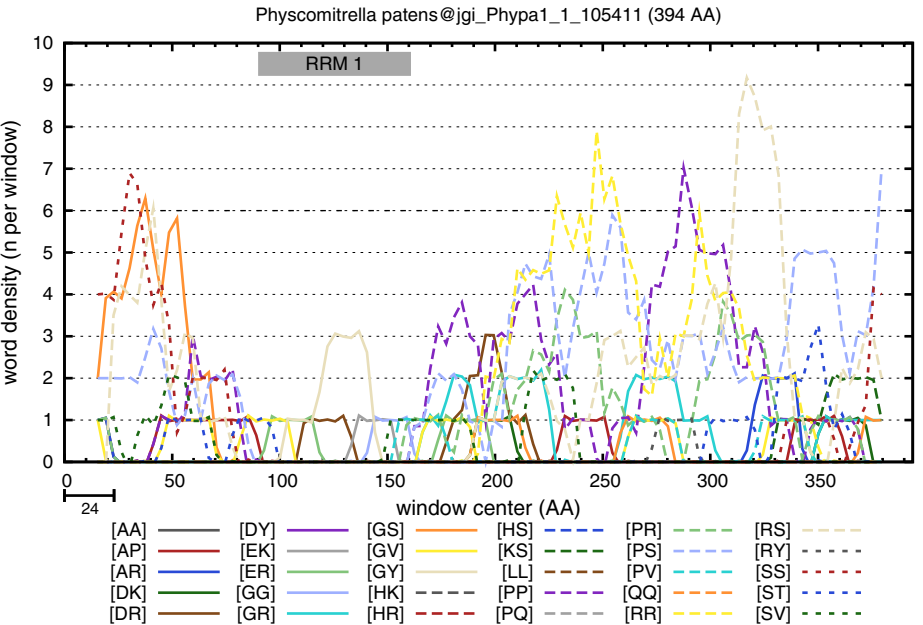
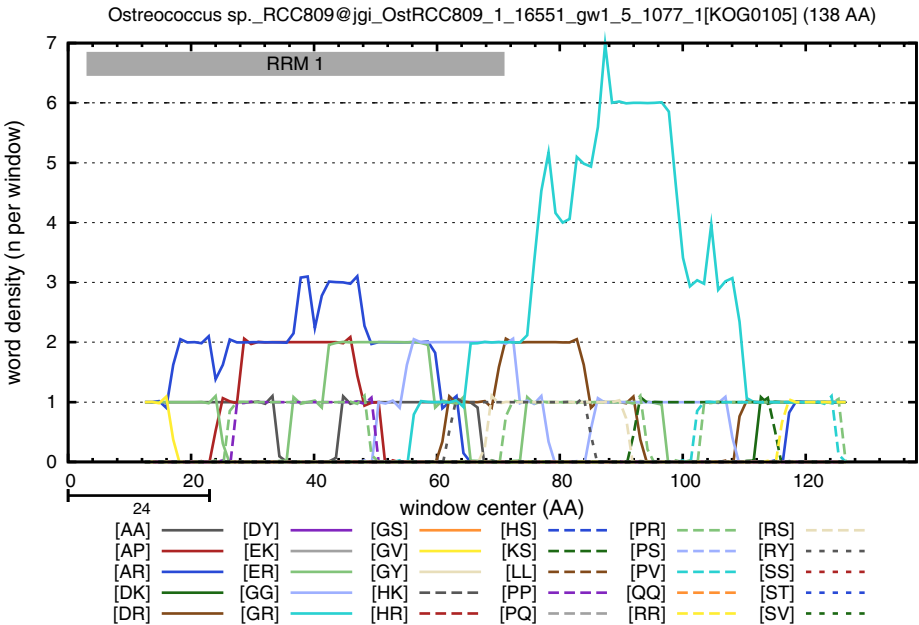
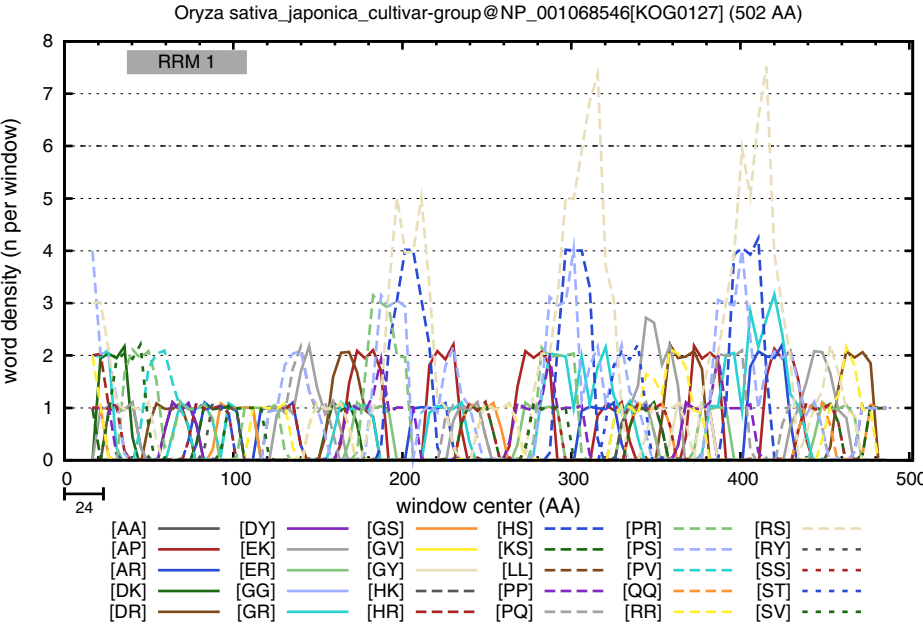
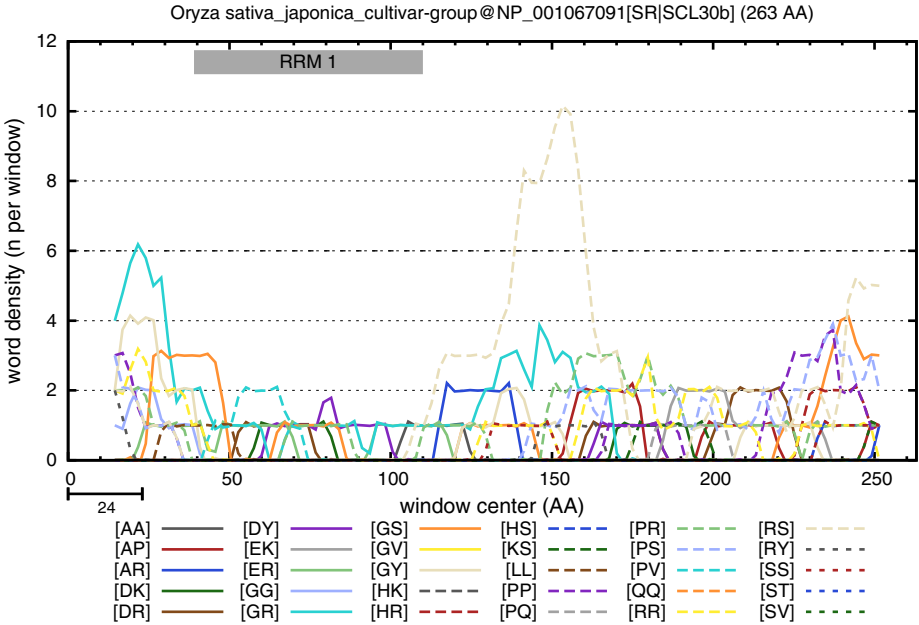


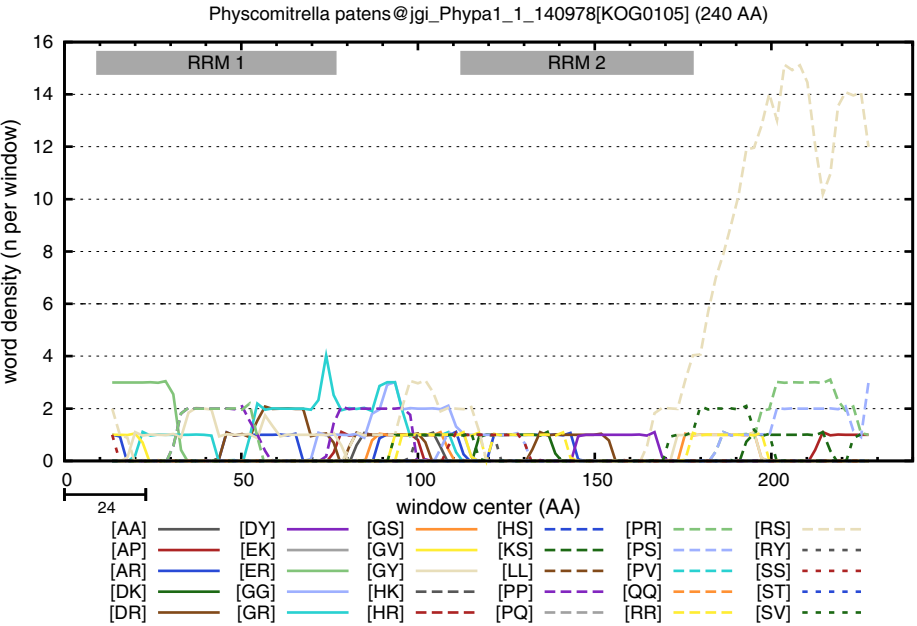
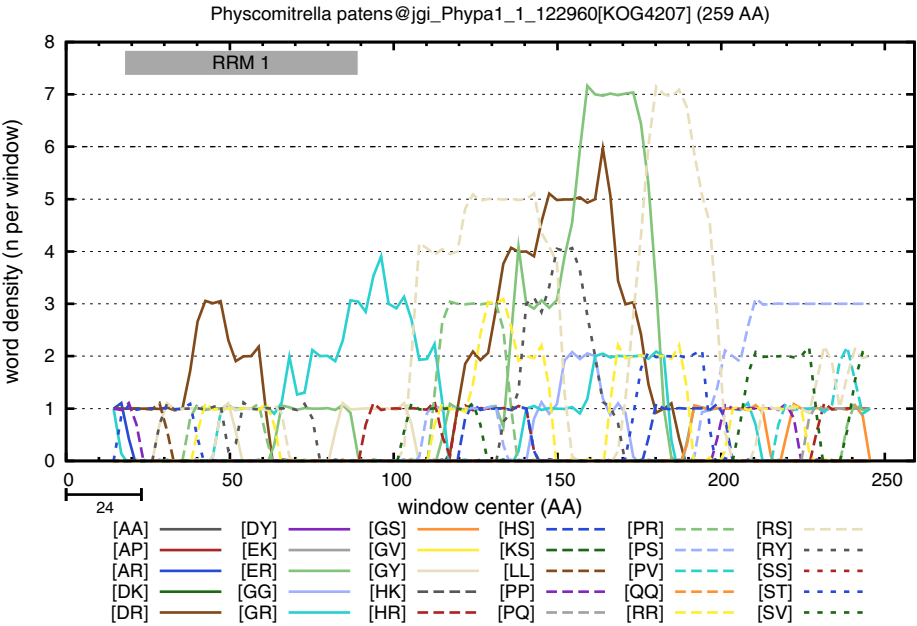
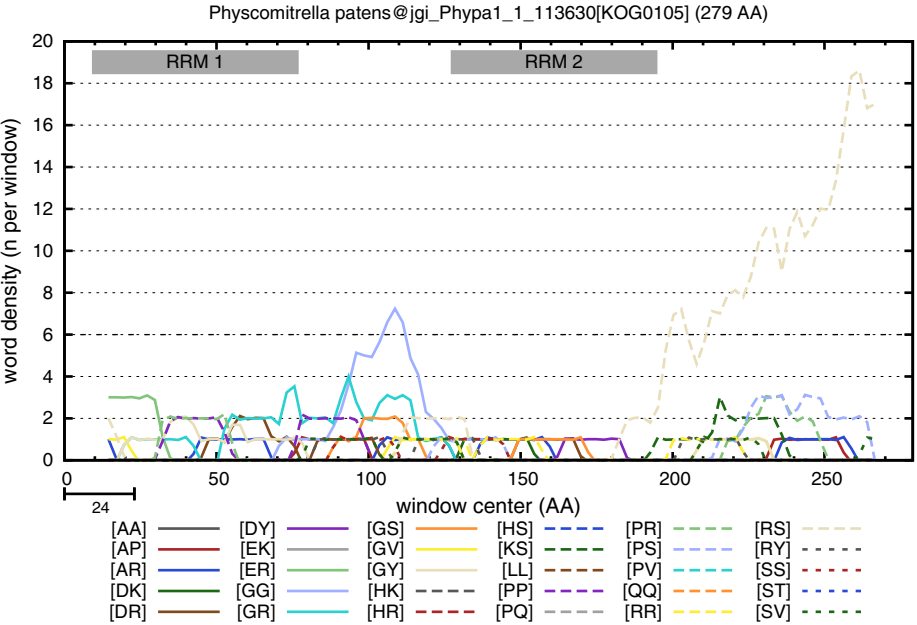
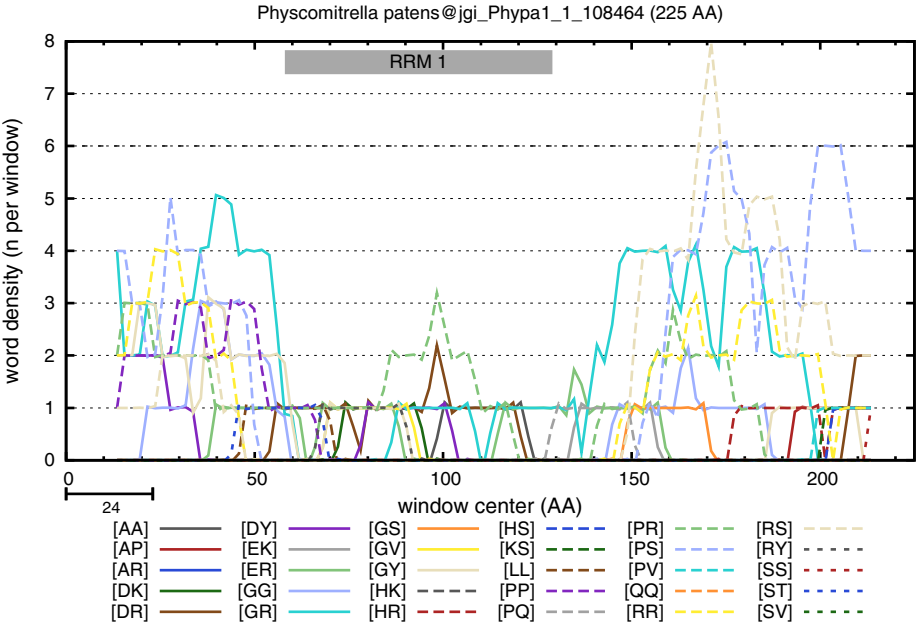


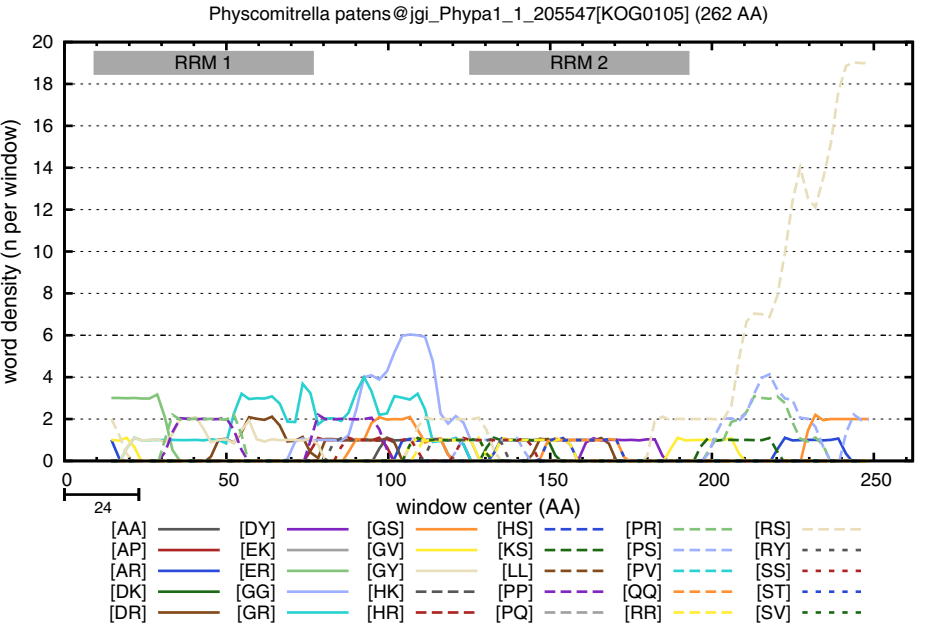
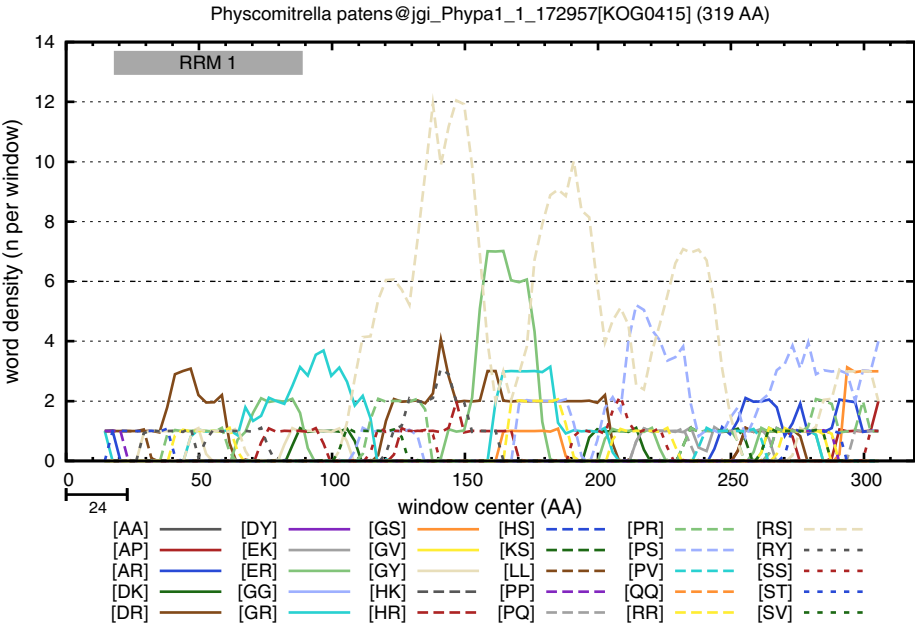
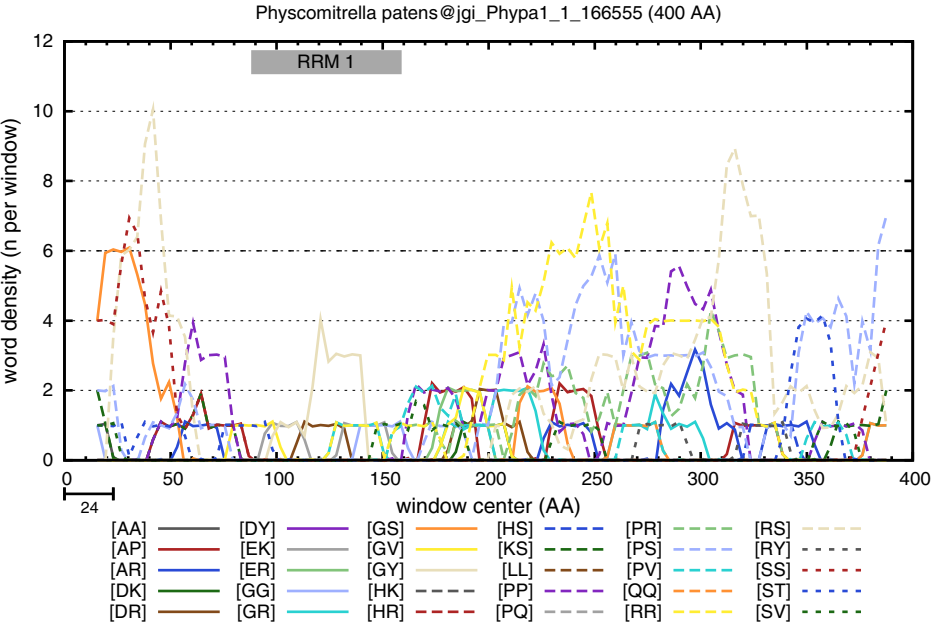
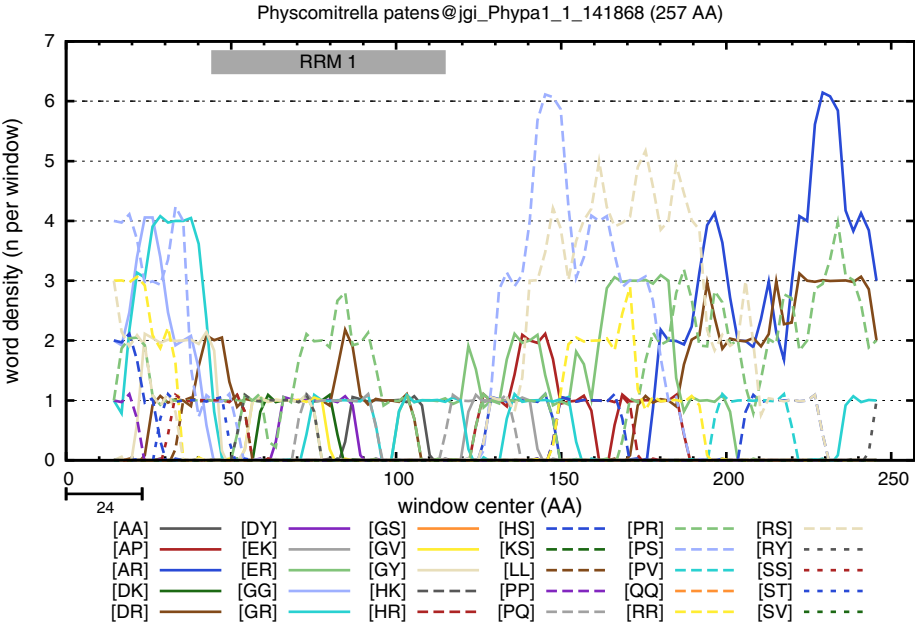


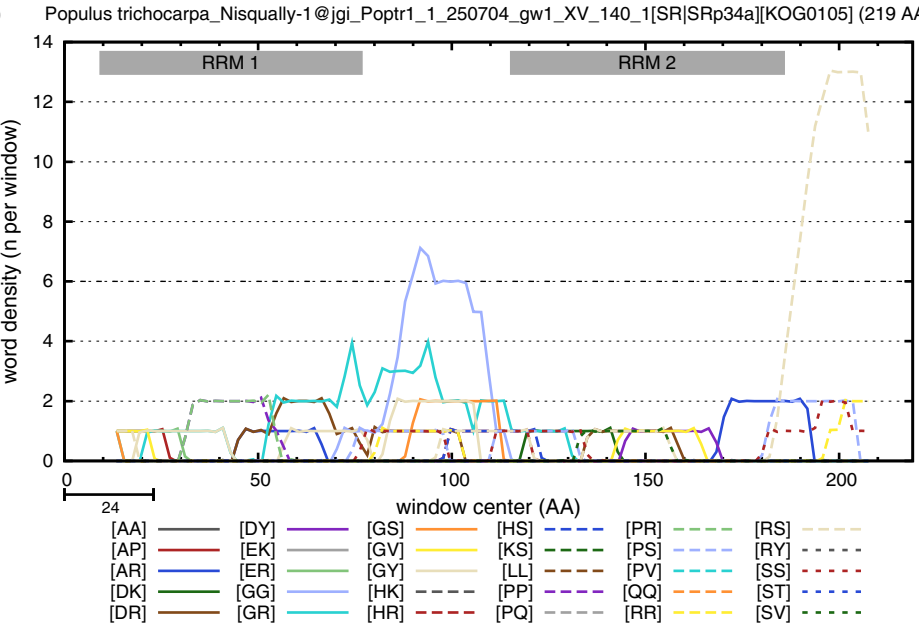
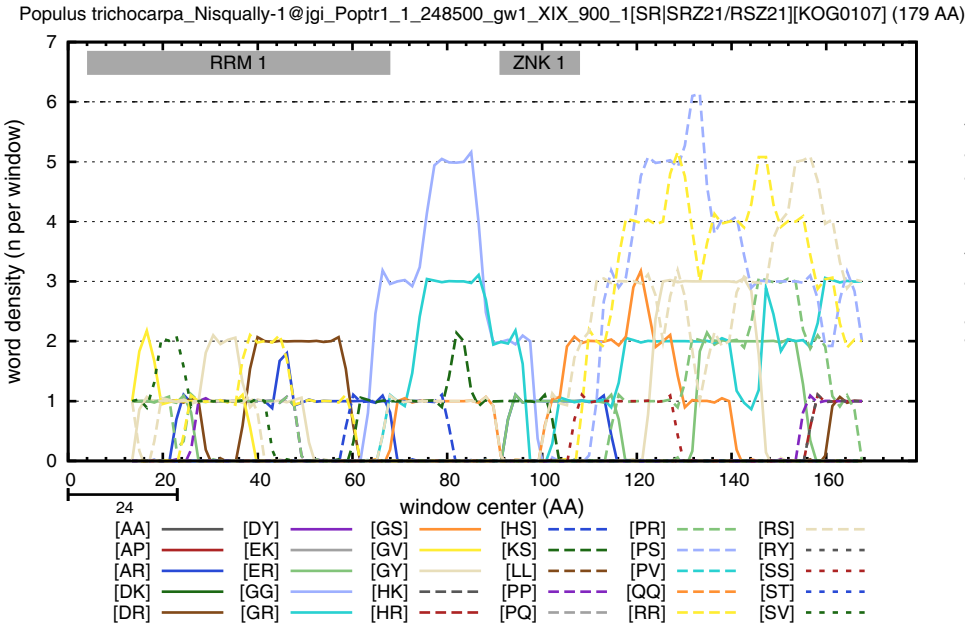
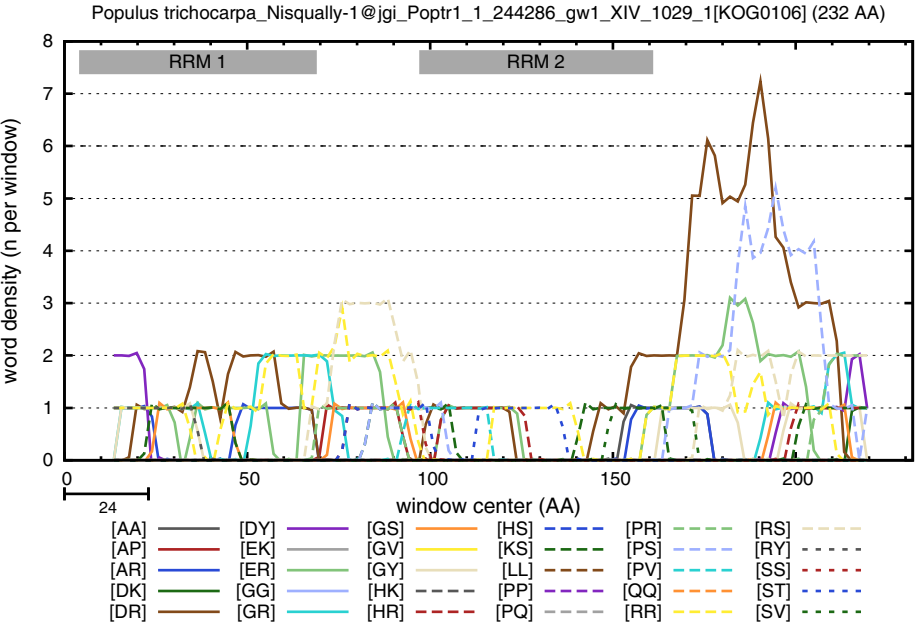
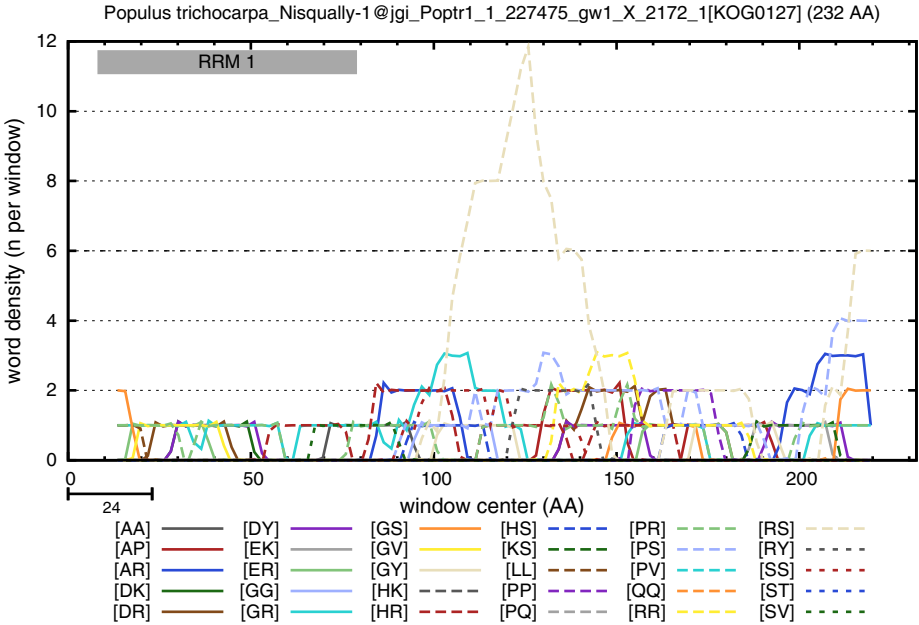


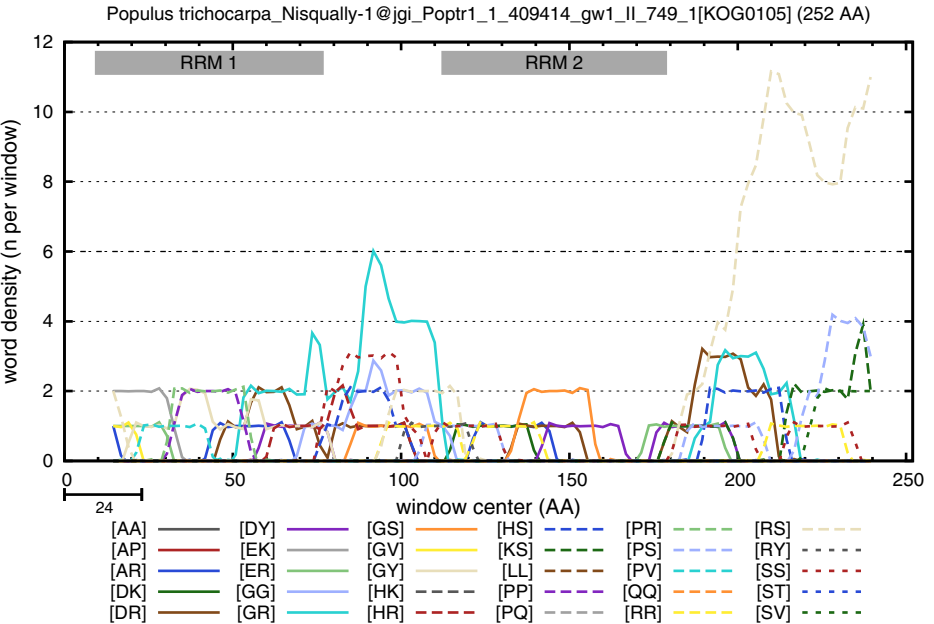
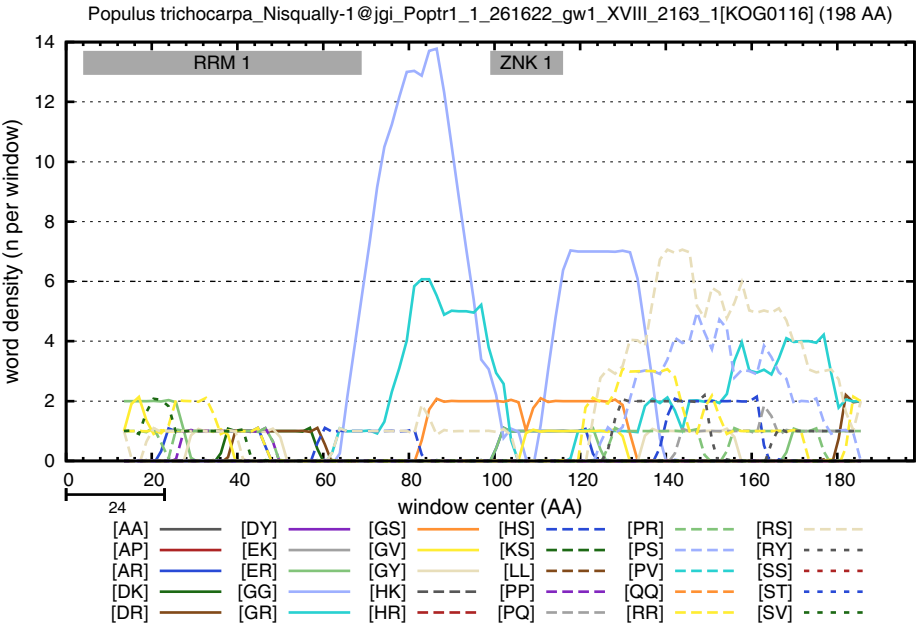
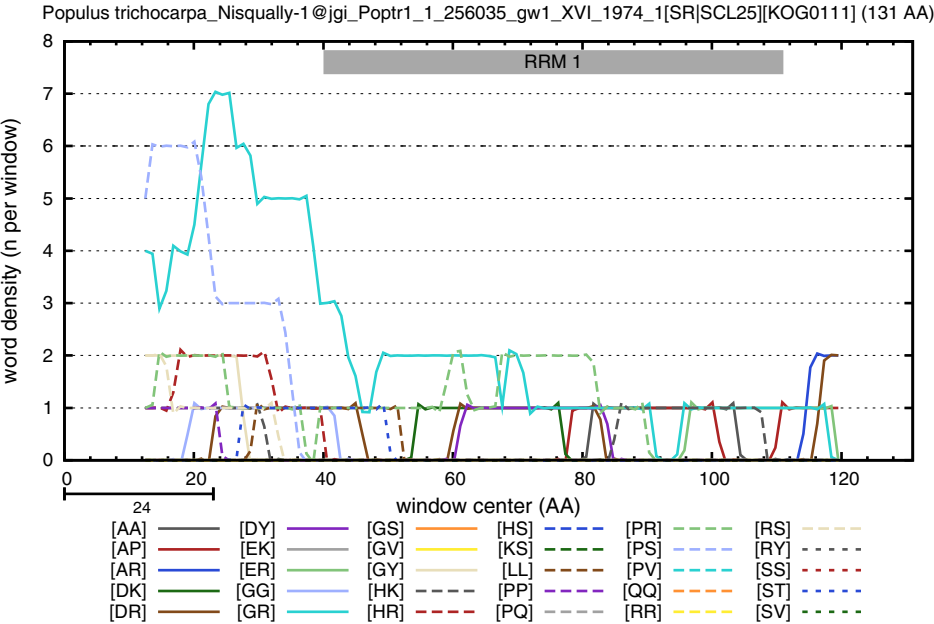
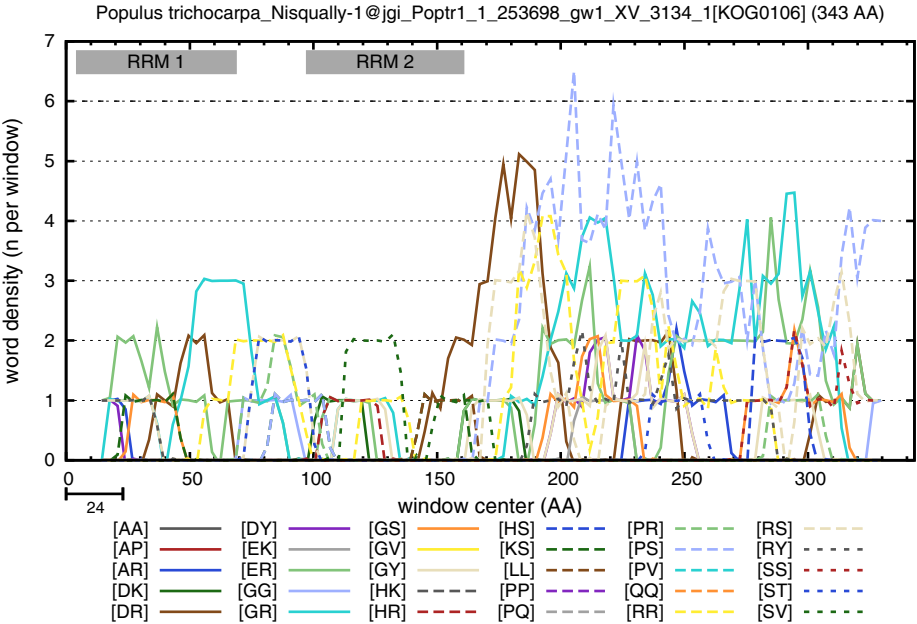


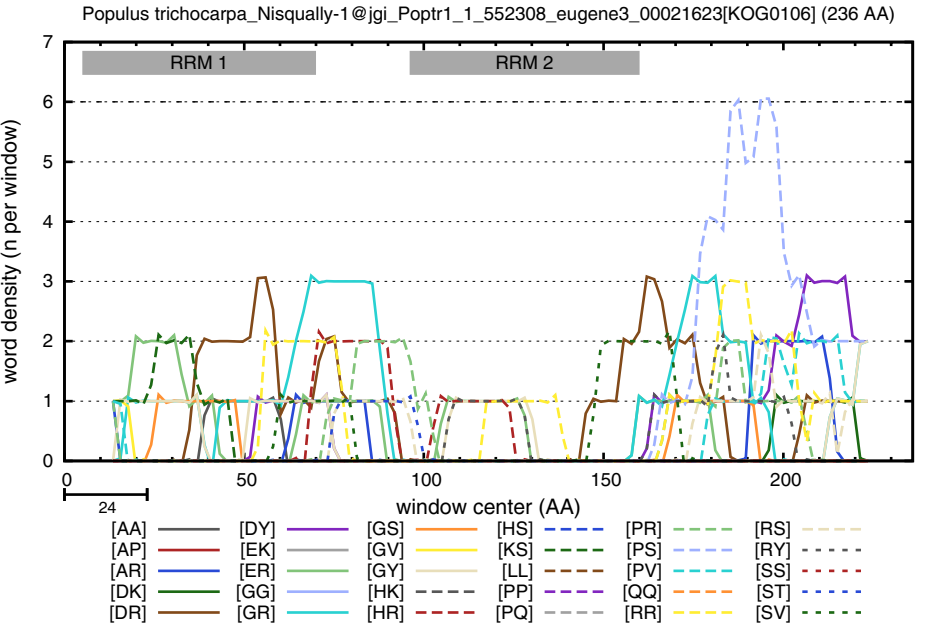
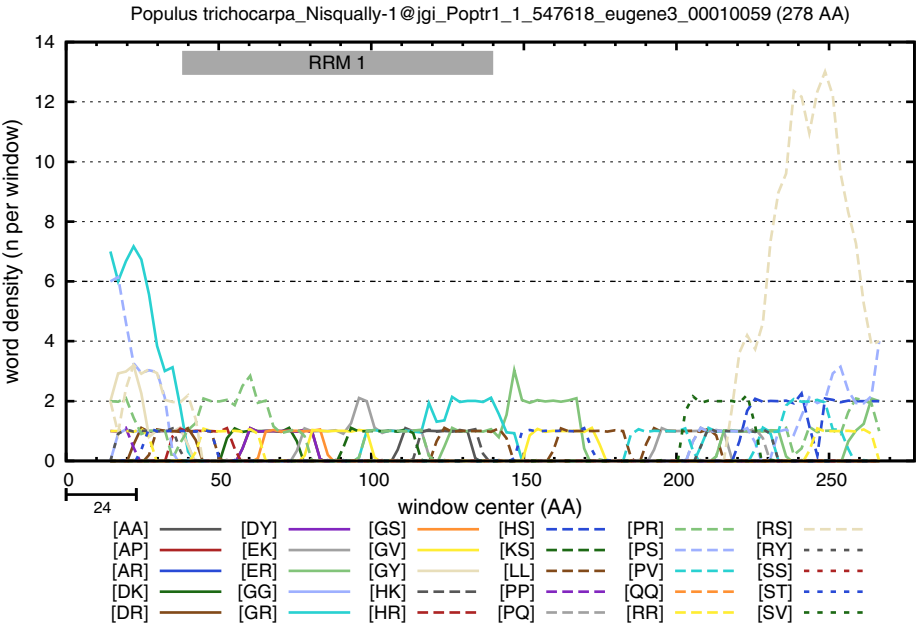
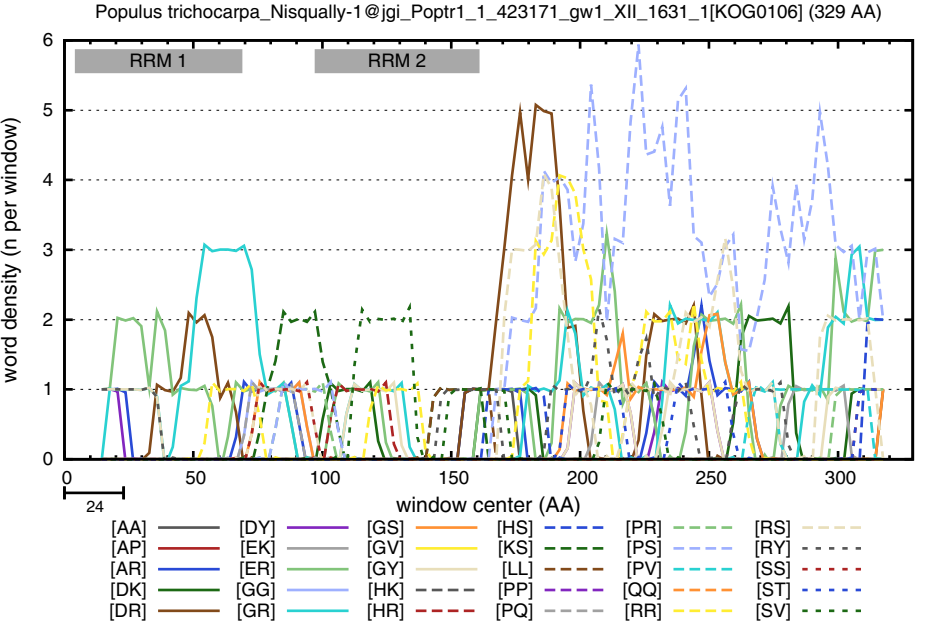
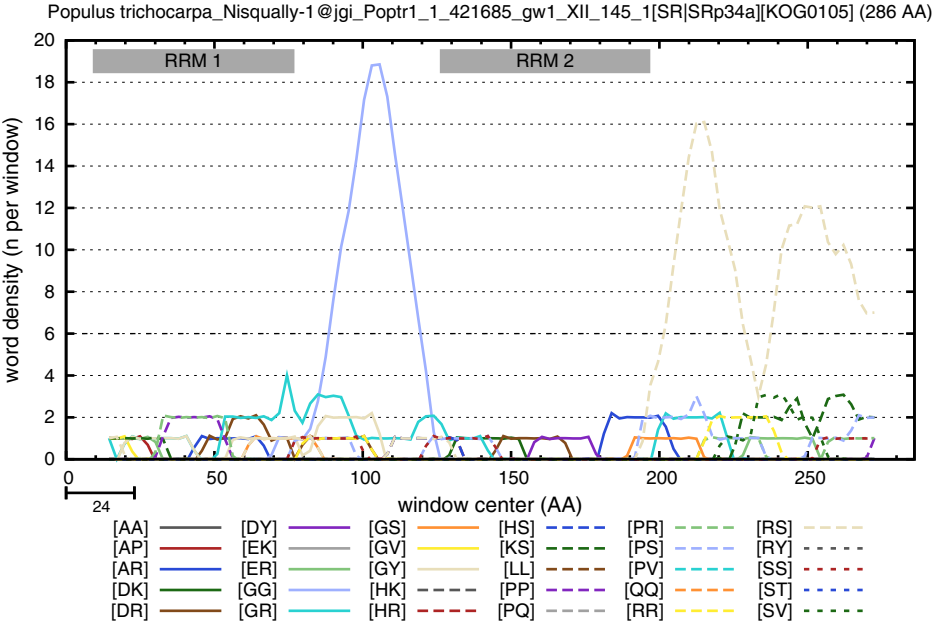


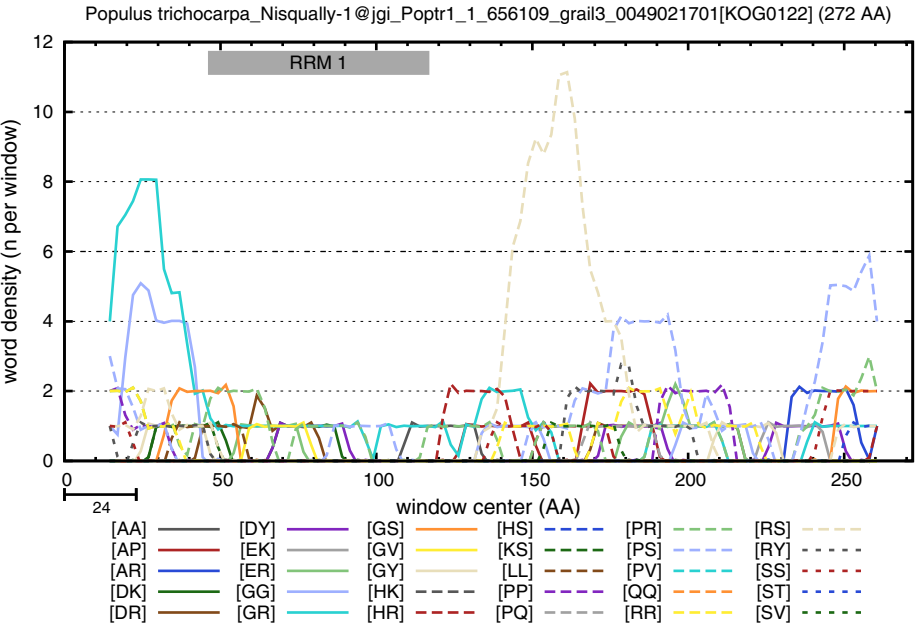
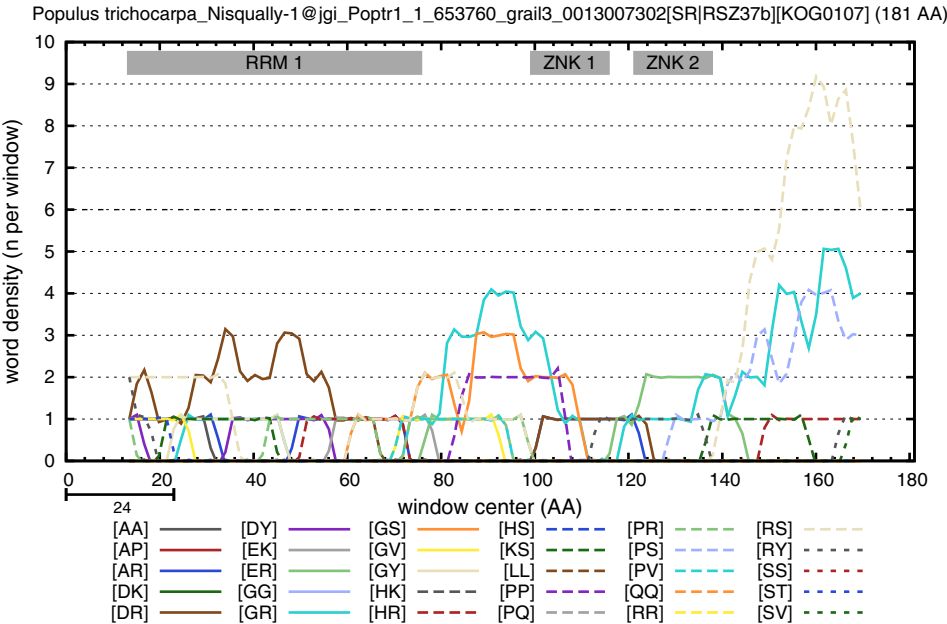
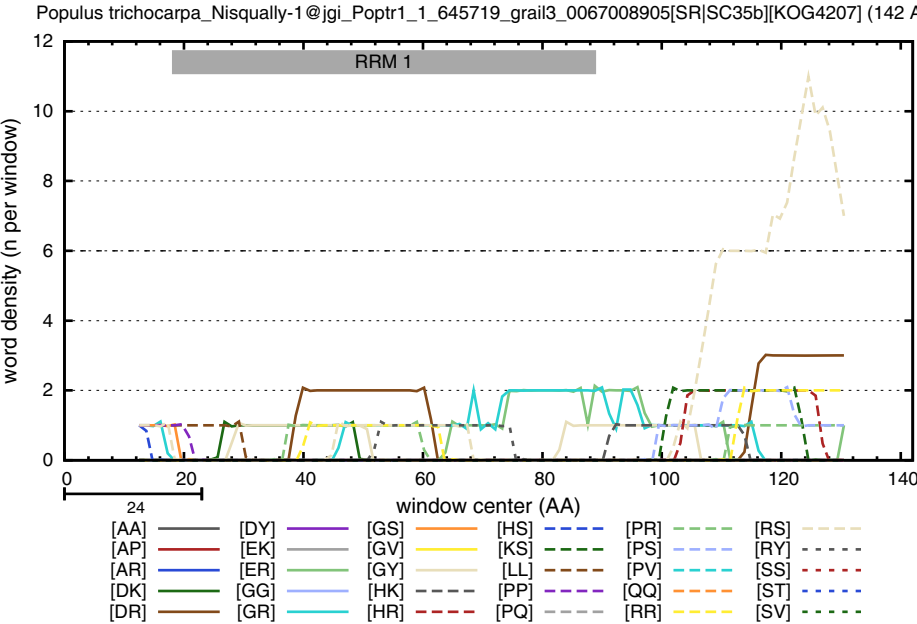
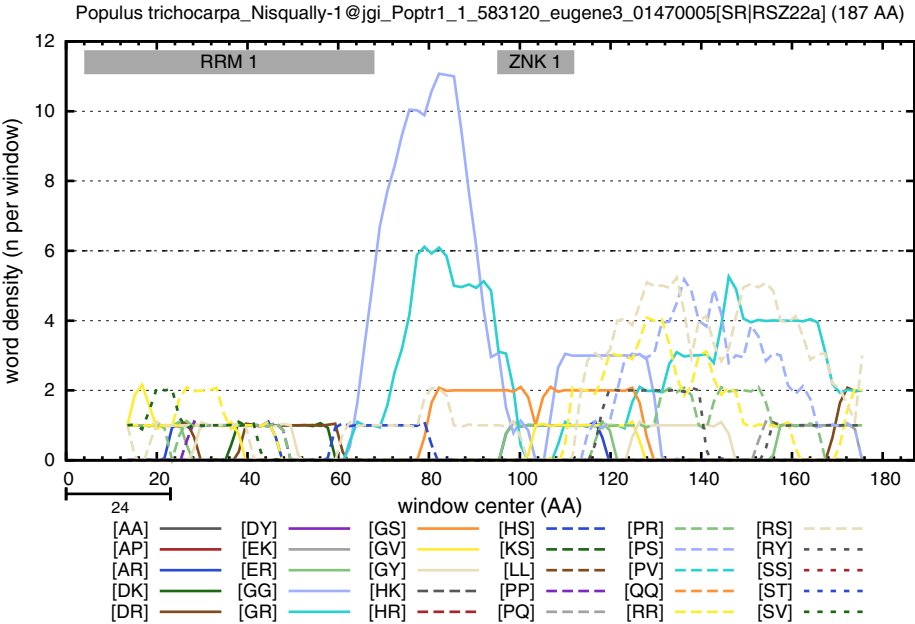


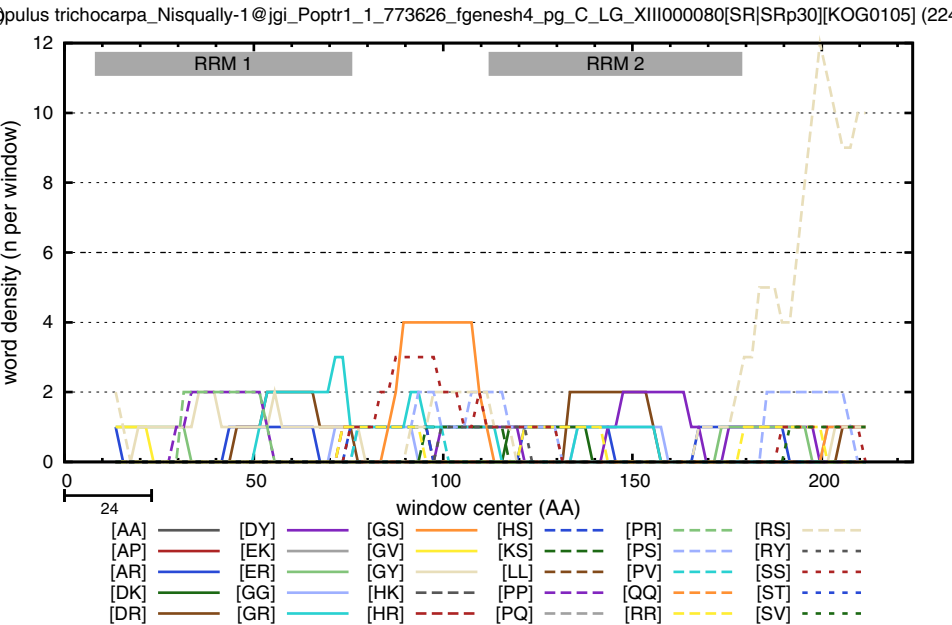
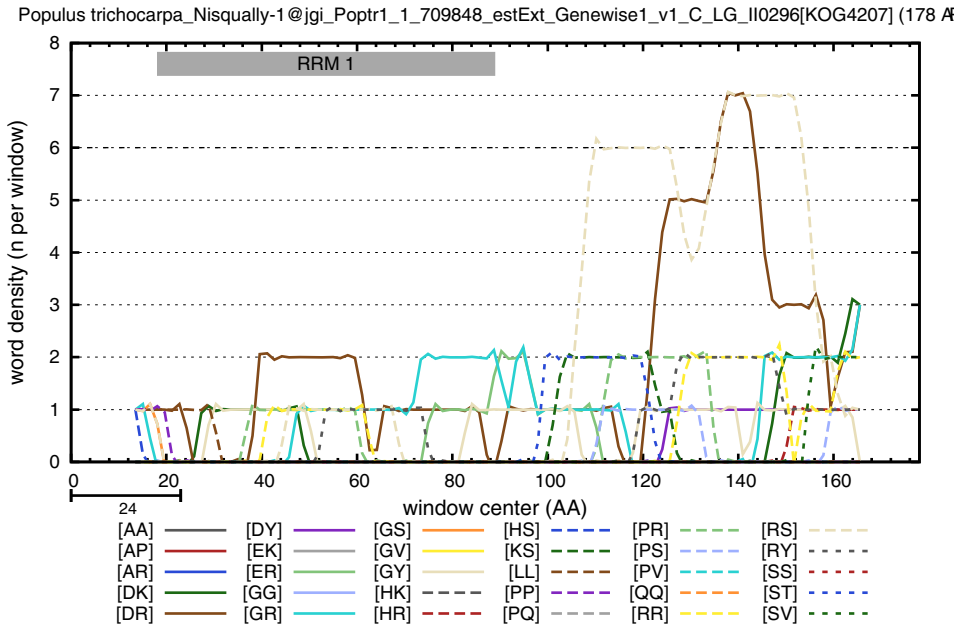
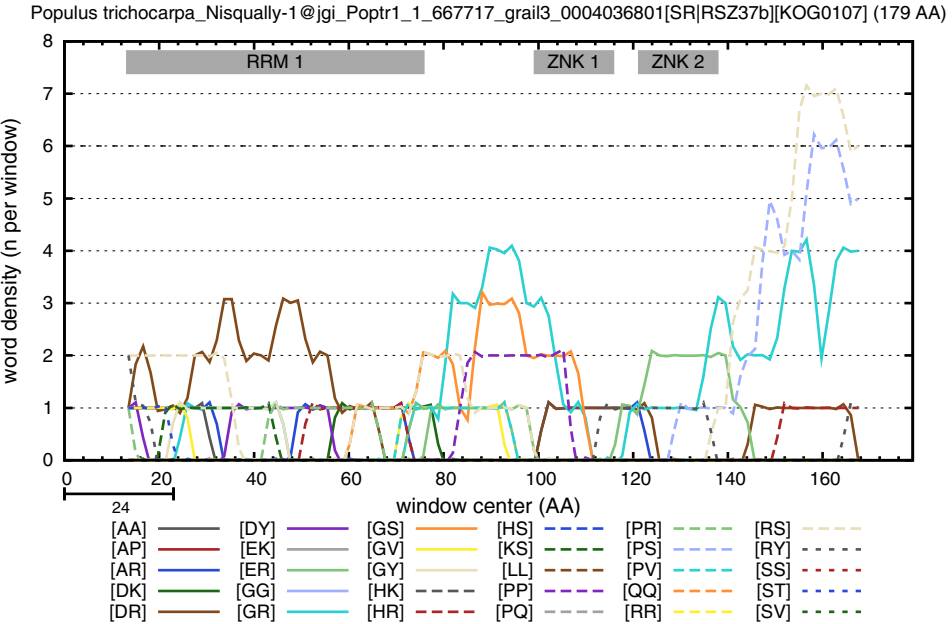
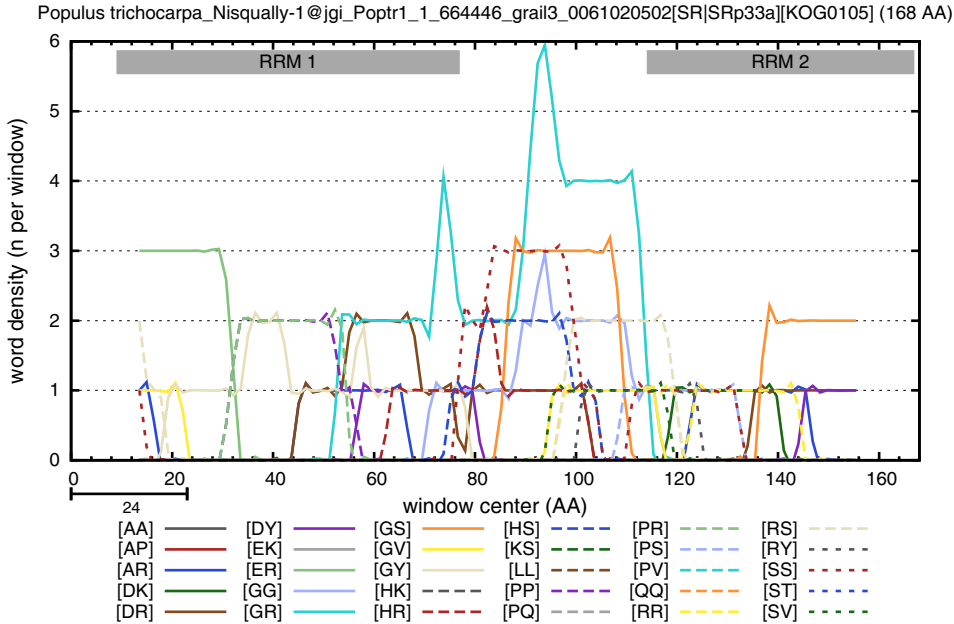




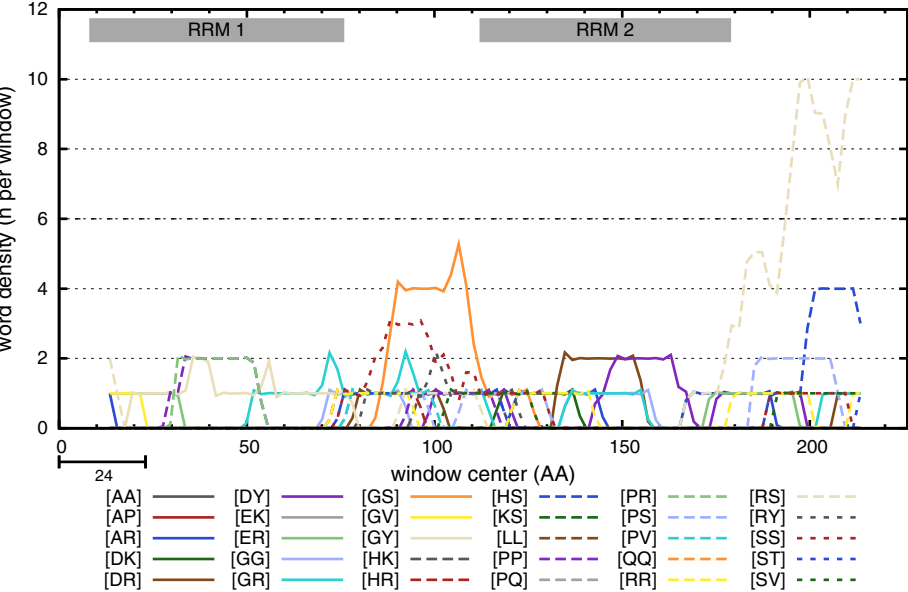




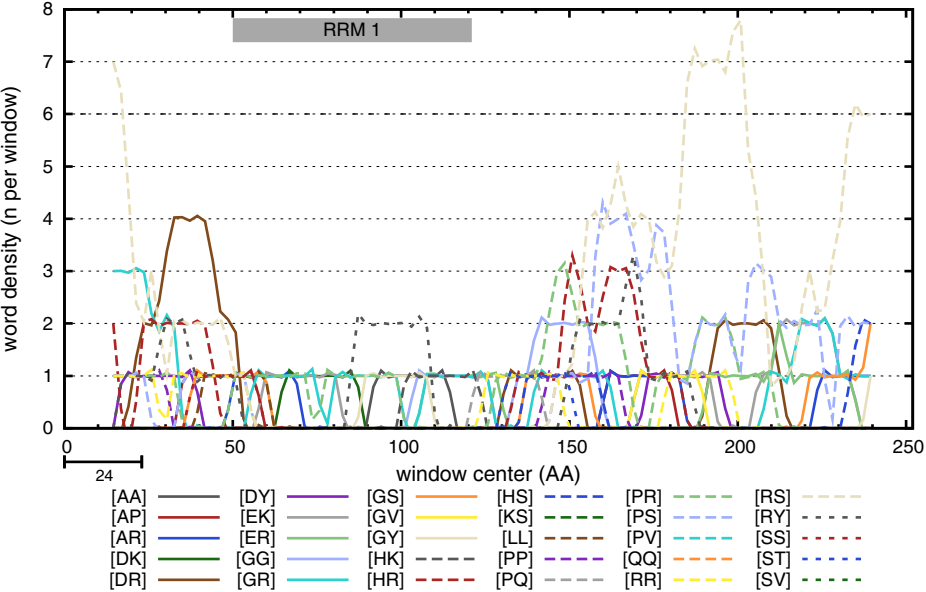




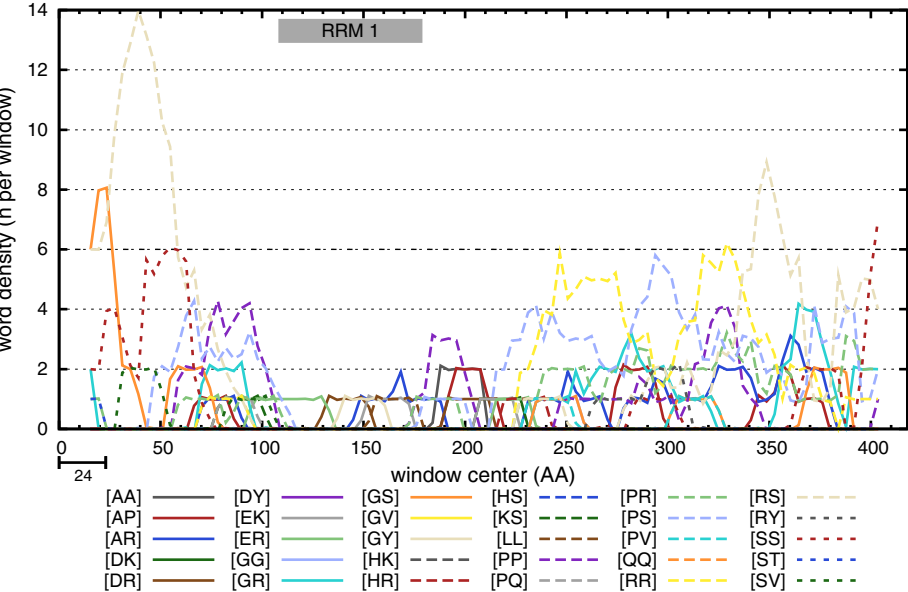
Populus trichocarpa_Nisqually-1@jgi_Poptr1_1_811208_fgenes4_pm_C_scaffold_133000019[KOG0105] (226 AA)



Populus trichocarpa_Nisqually-1@jgi_Poptr1_1_814124_estExt_fgenes4_kg_C_LG_X0007 (252 AA)



Populus trichocarpa_Nisqually-1@jgi_Poptr1_1_823076_estExt_fgenes4_pg_C_LG_X11221 (418 AA)



Selaginella moellendorffii@jgi_Selmo1_119951_e_gw1_61_278_1[KOG0105] (298 AA)

