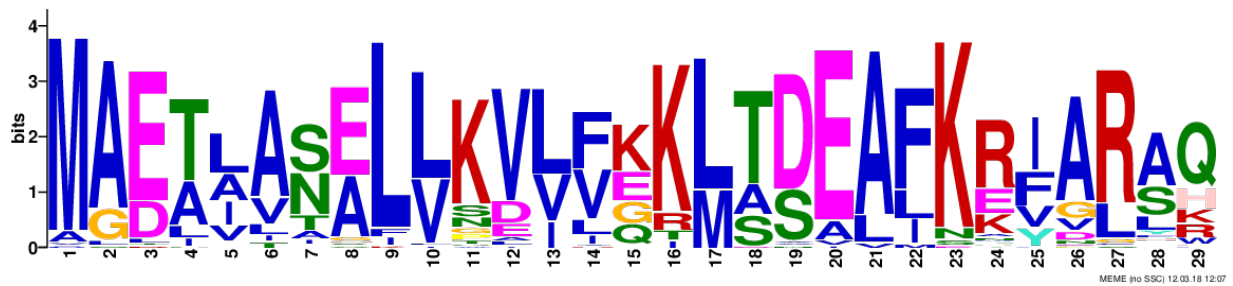


**Supplementary File S1a.** The motif sequence Logos in the sunflower CNL family of R proteins

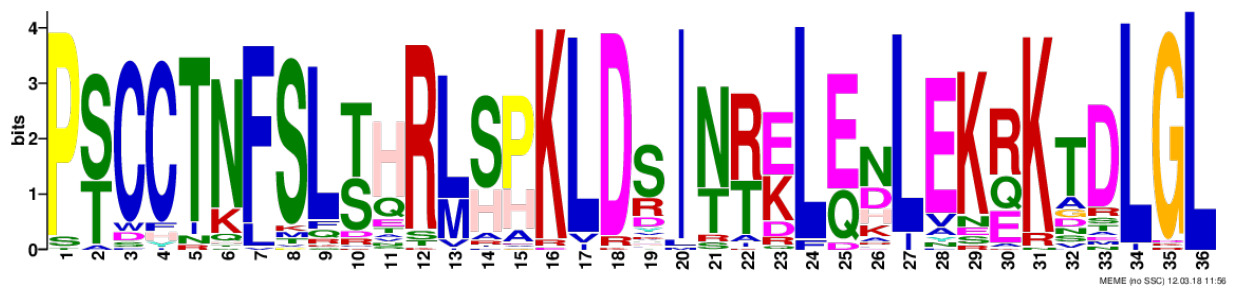
**Motif 14: C1**



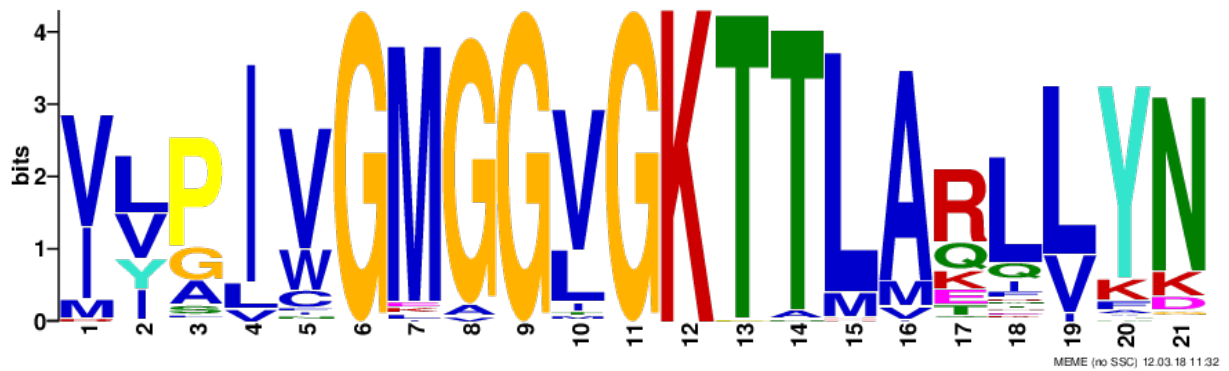
**Motif 3: C2**



**Motif 10: C3**



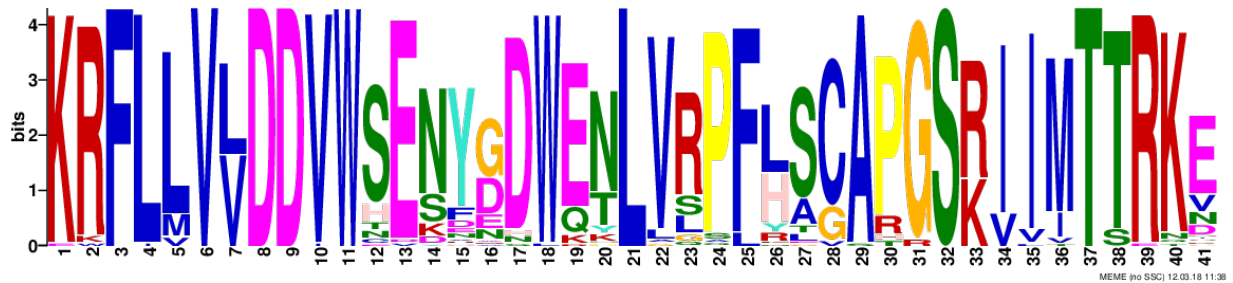
## Motif 2: P loop



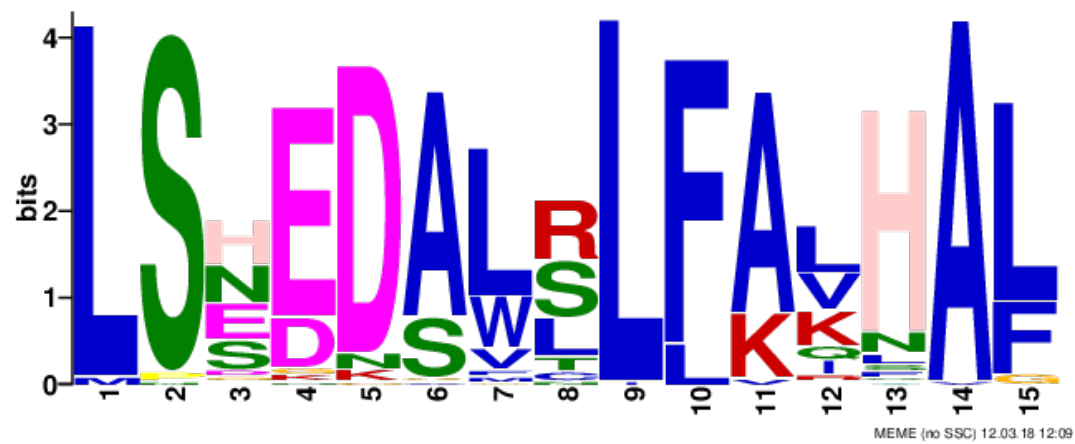
## Motif 8: RNBS A non TIR



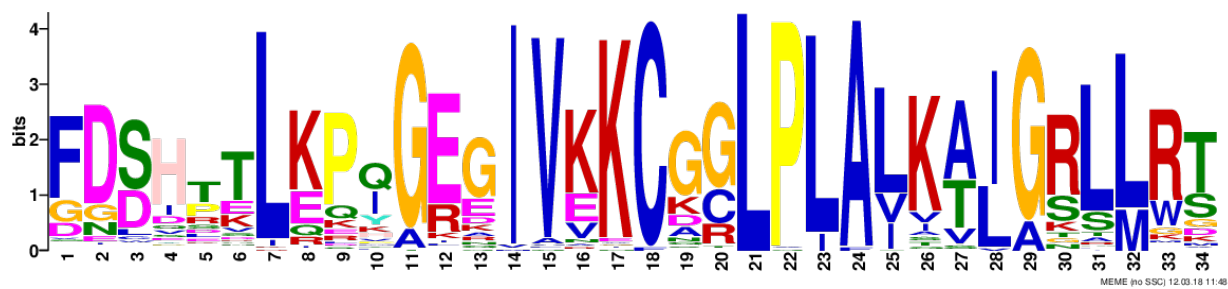
## Motif 4: Kinase 2 + RNBS B



Motif 15: RNBS C



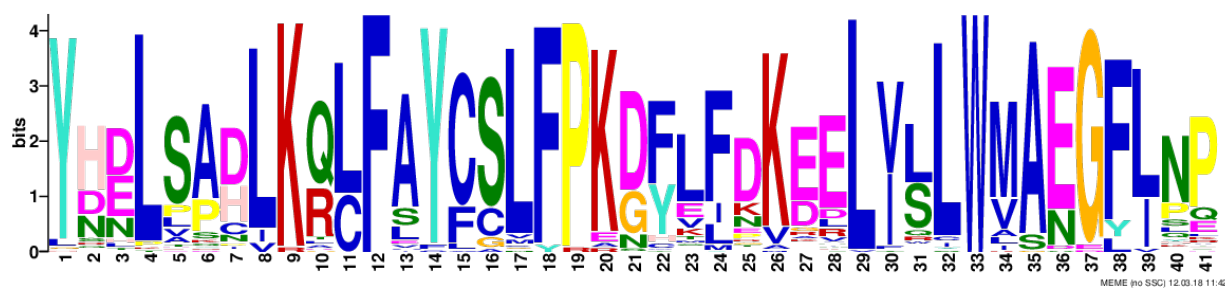
Motif 7: GLPL



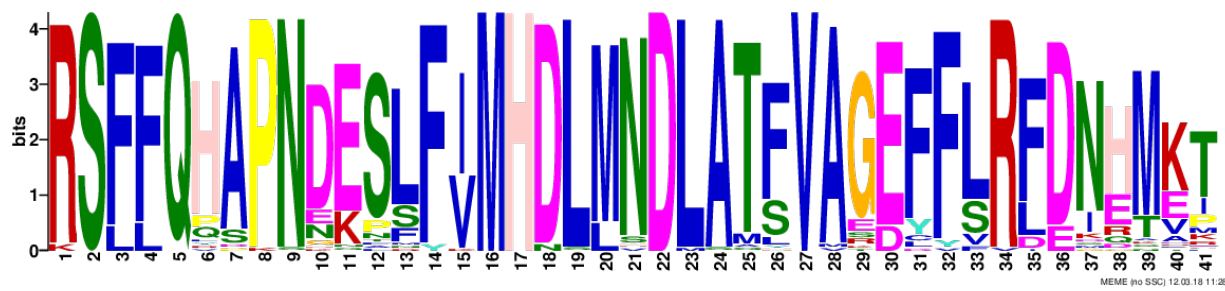
Motif 20:



Motif 5: RNBSD + CNBS1



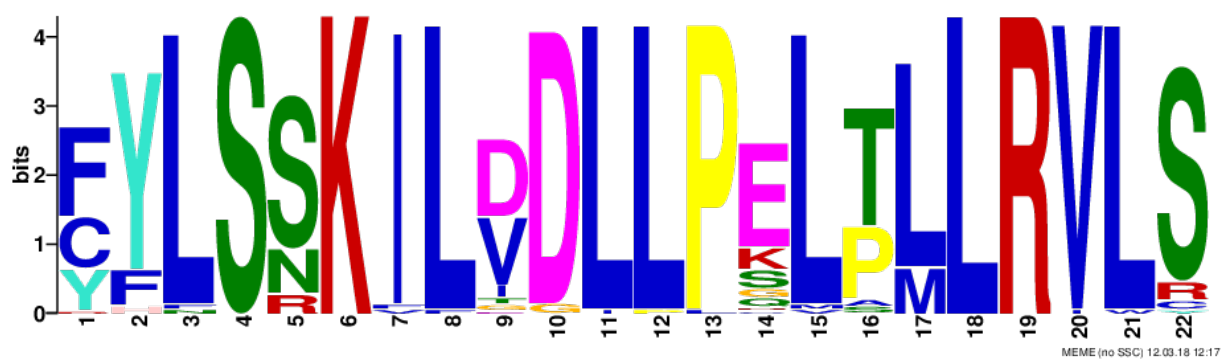
Motif 1: MHDL



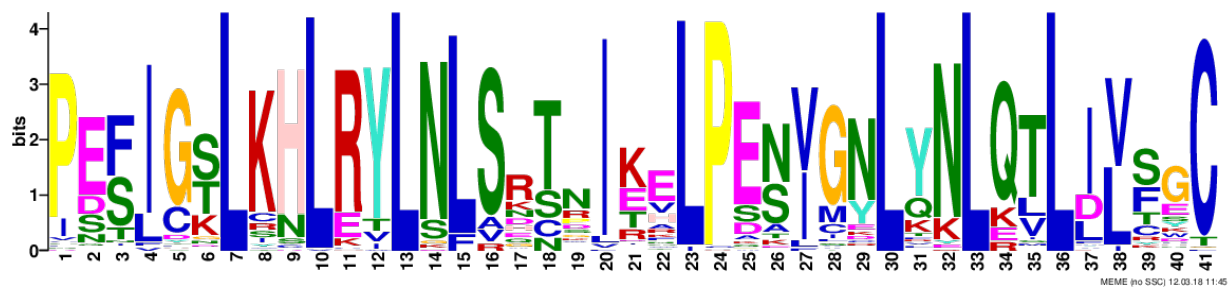
Motif 11:



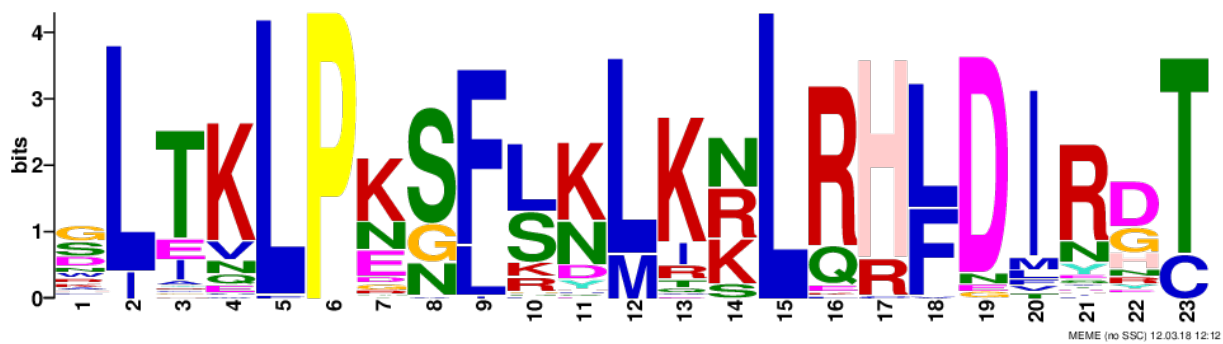
Motif 18: L1



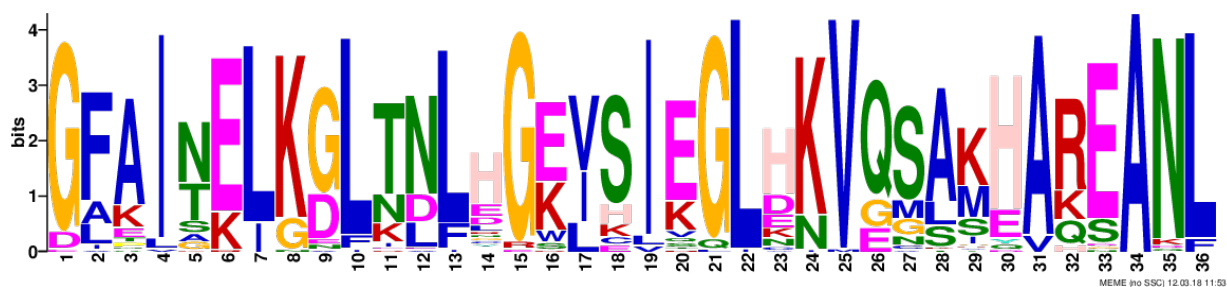
Motif 6: L2



Motif 16: L3



## Motif 9:L4



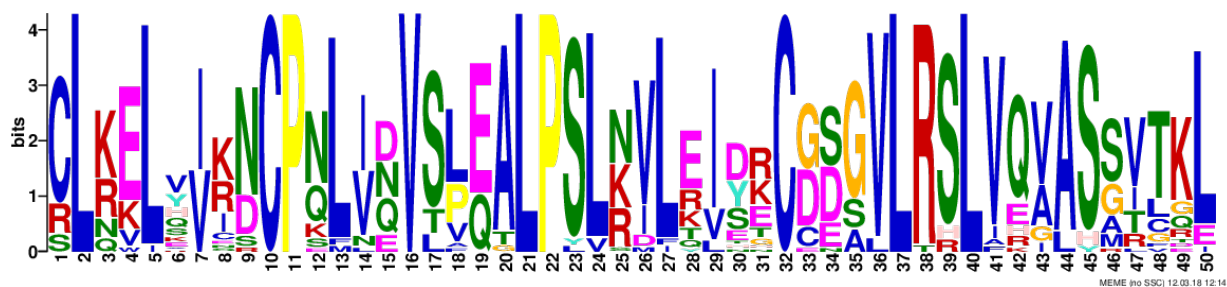
## Motif 12:



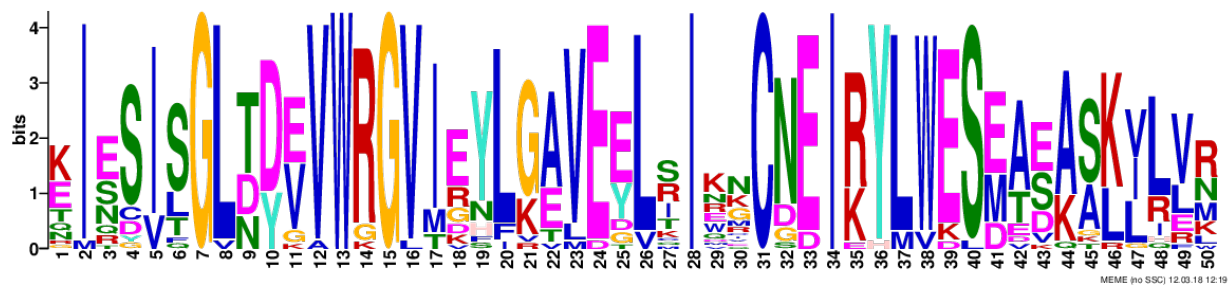
## Motif 13:



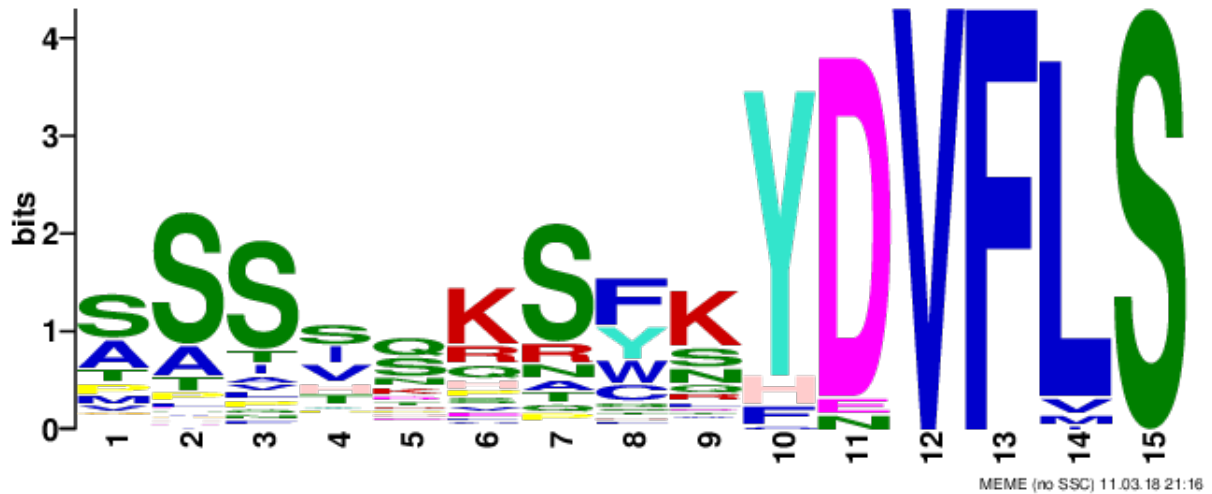
## Motif 17:L5



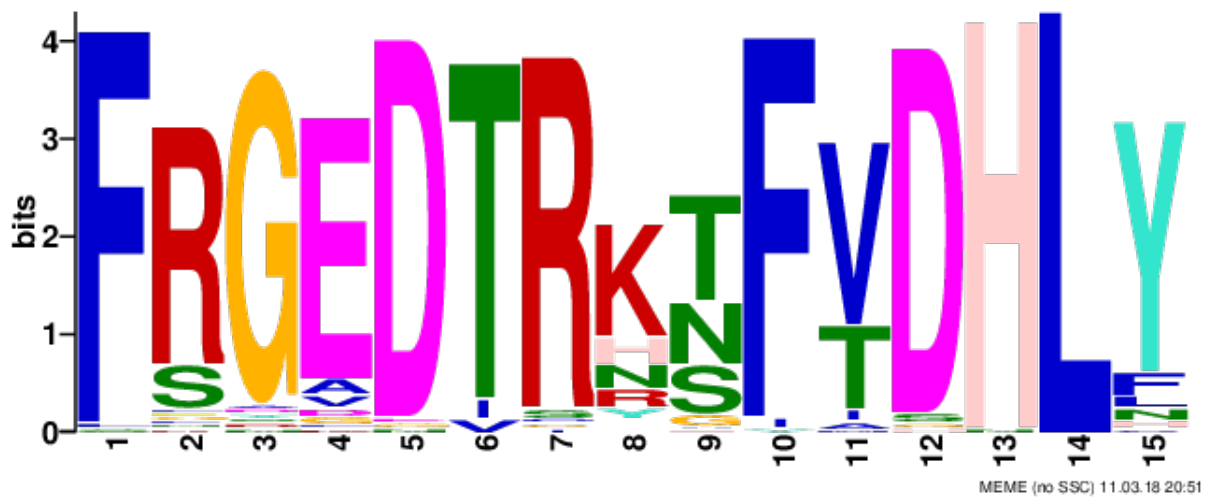
Motif 19:L6



### Motif 19:

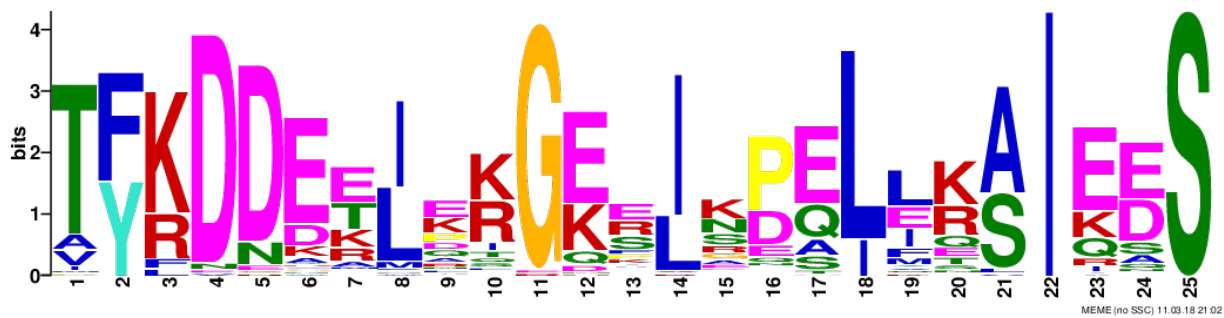


### Motif 1: T1

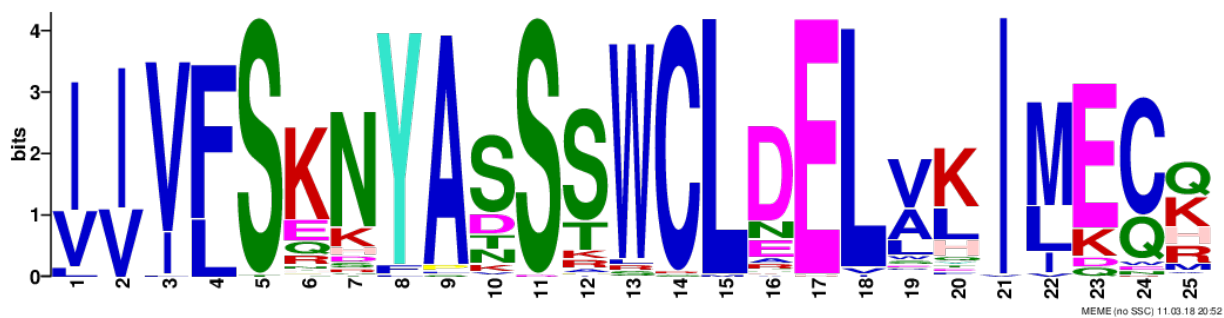




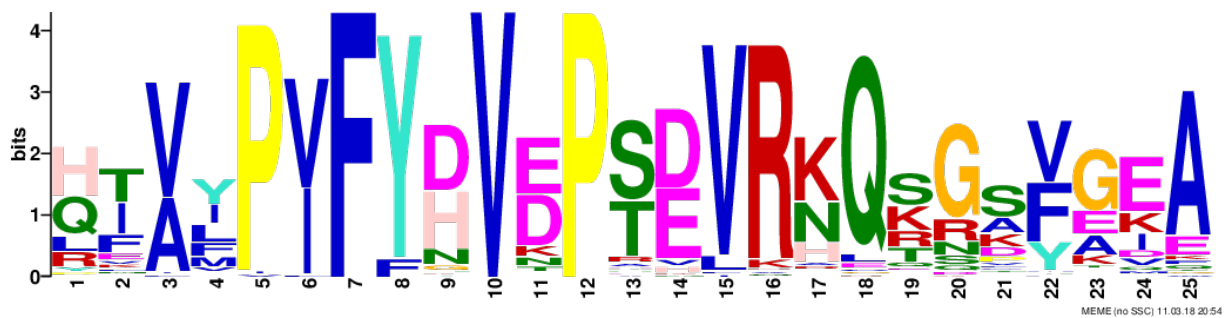
Motif 8:



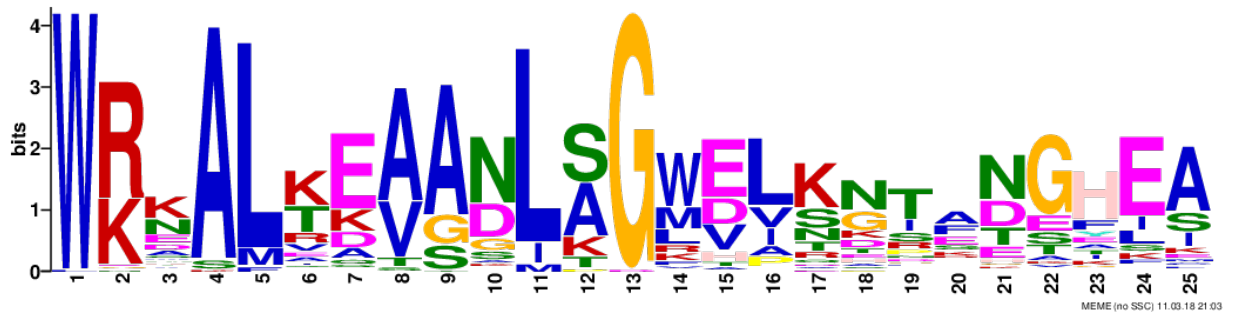
Motif 2: TIR4



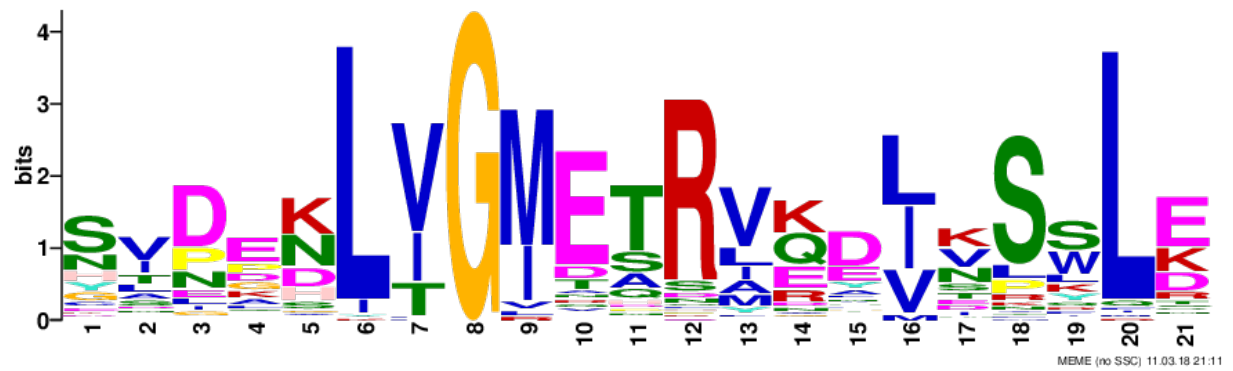
Motif 3: TIR 2



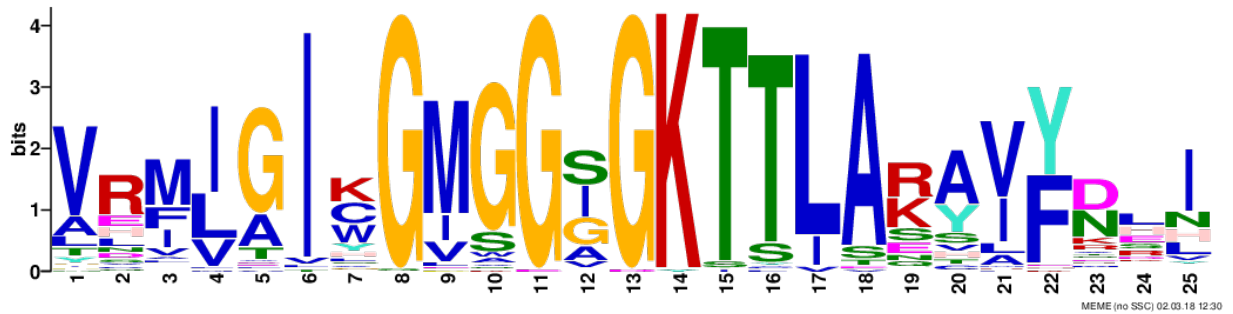
### Motif 9: TIR 3



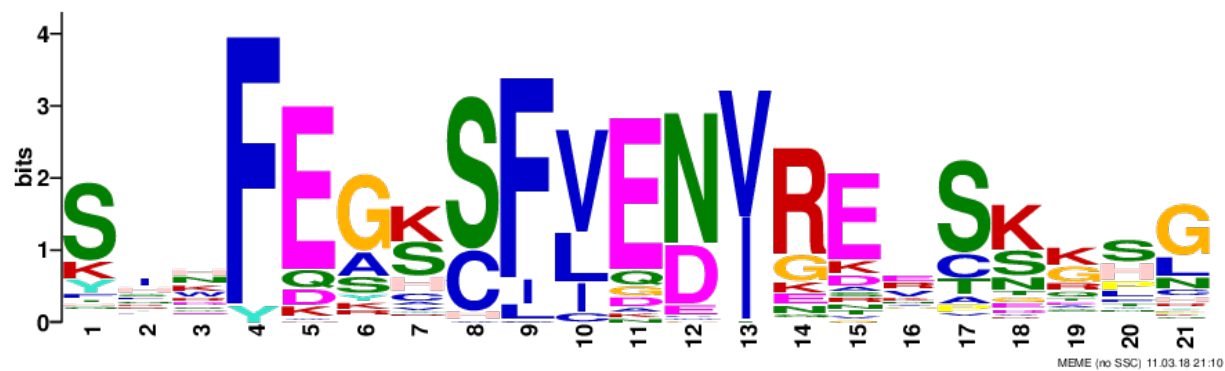
### Motif 15:



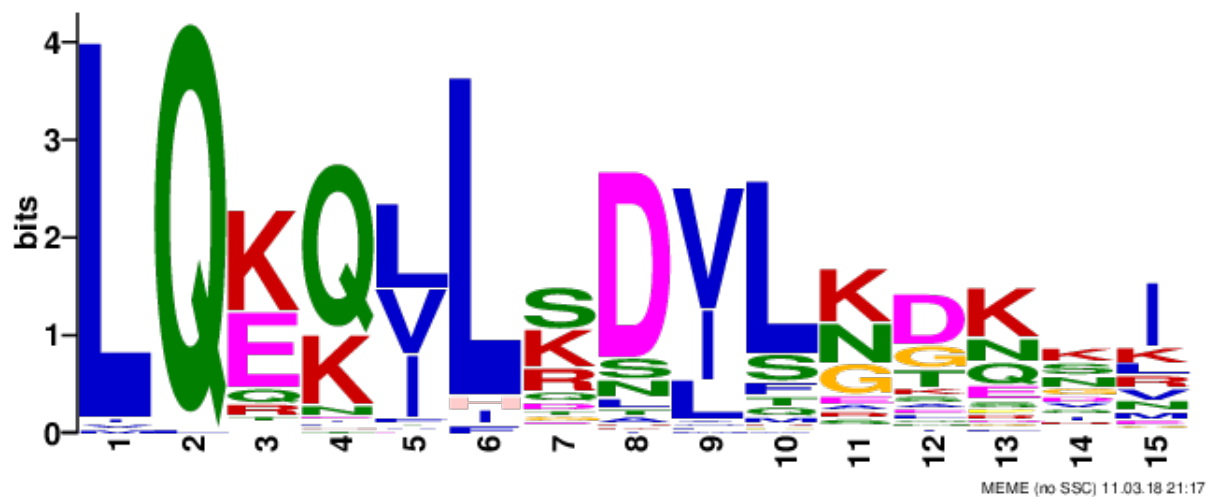
### Motif 4: P loop



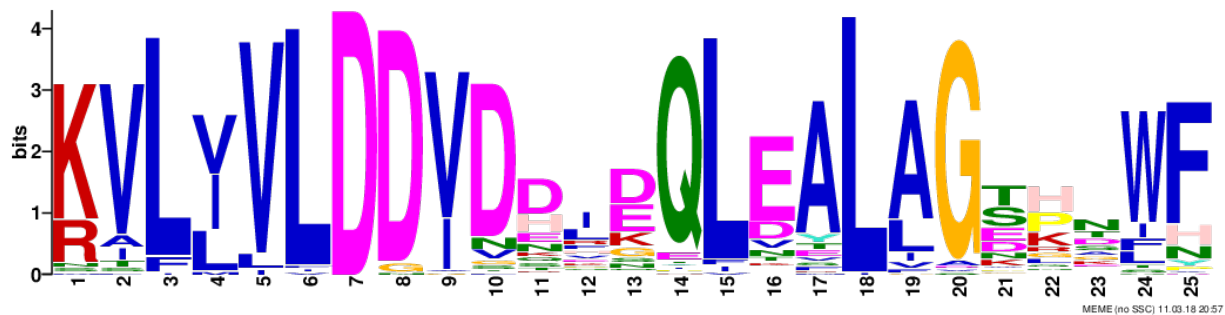
Motif 14:



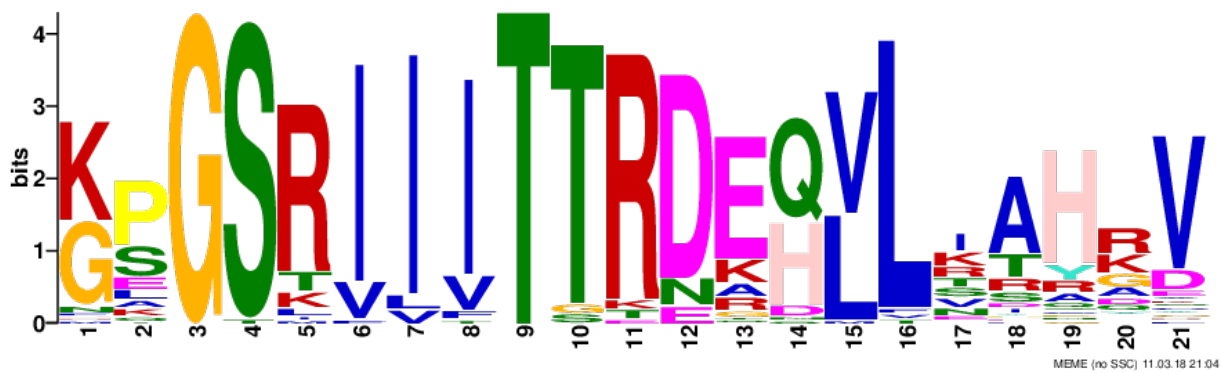
Motif 20: RNBS A



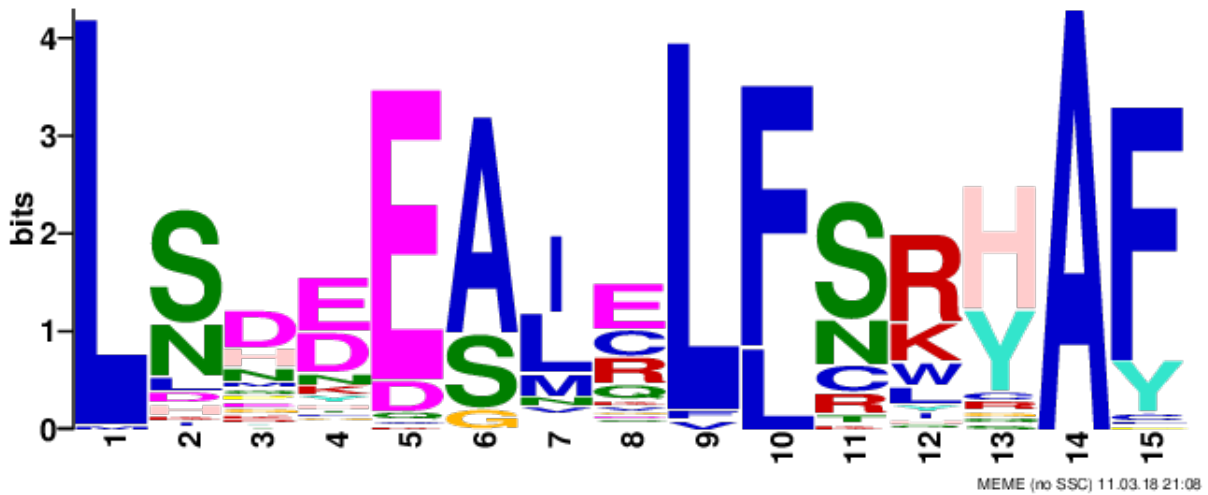
Motif 5: Kinase 2



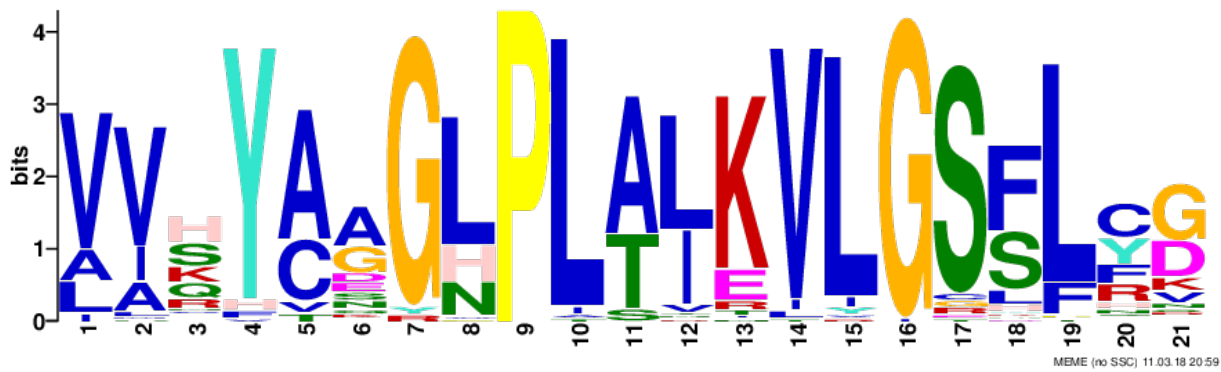
Motif 10: RNBS B



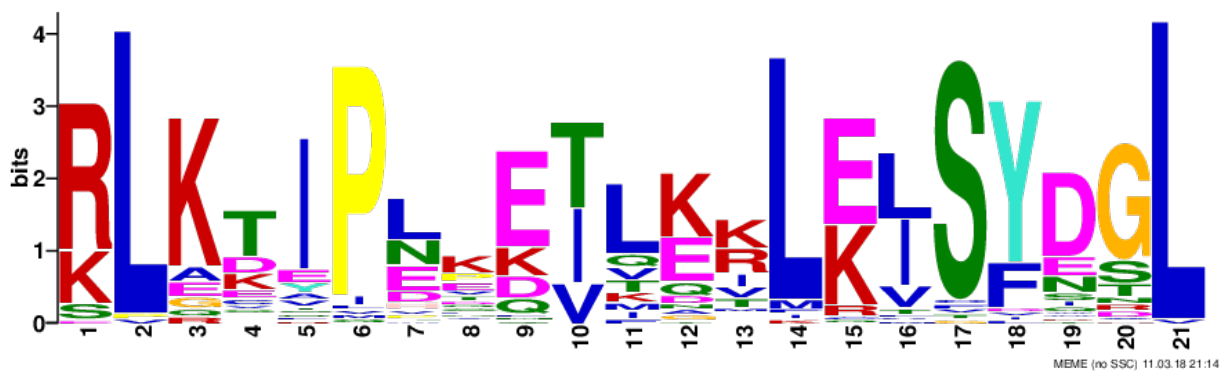
Motif 13: RNBS C



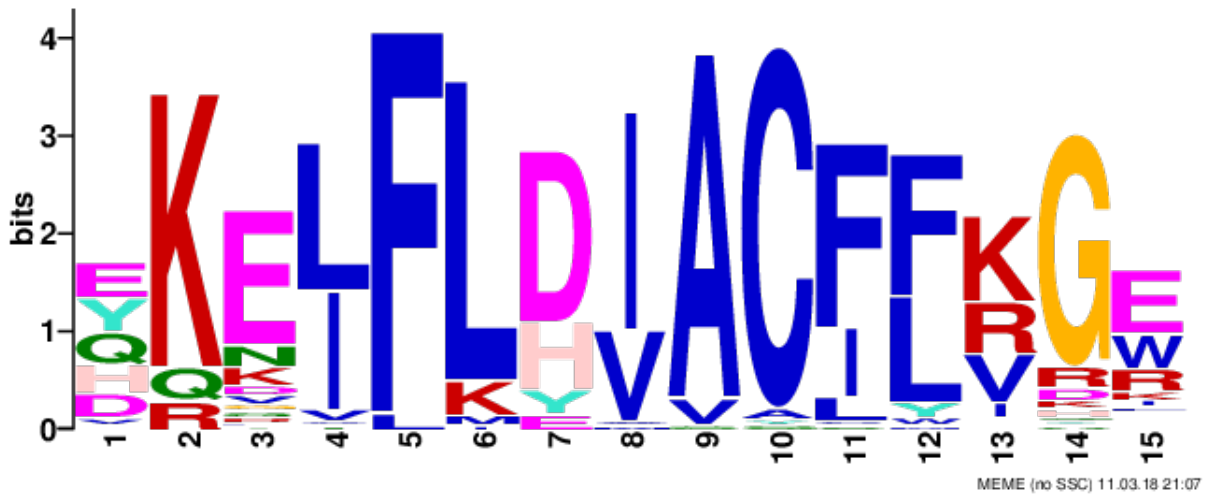
Motif 6: GLPL



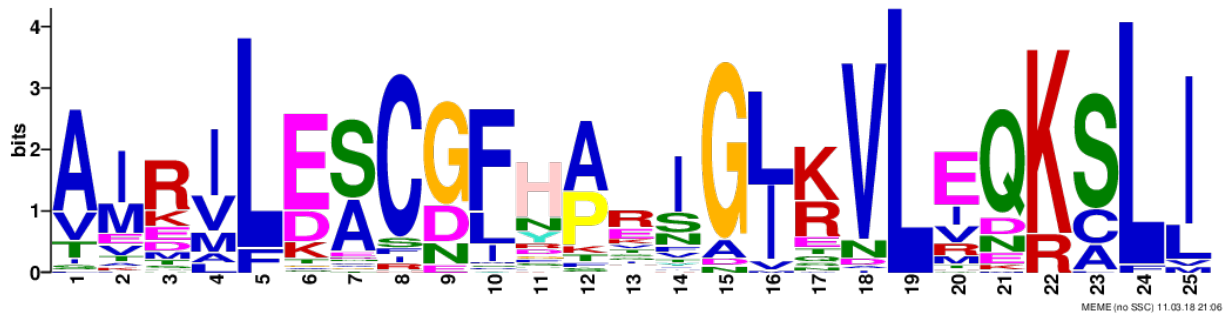
Motif 17: TNBSI



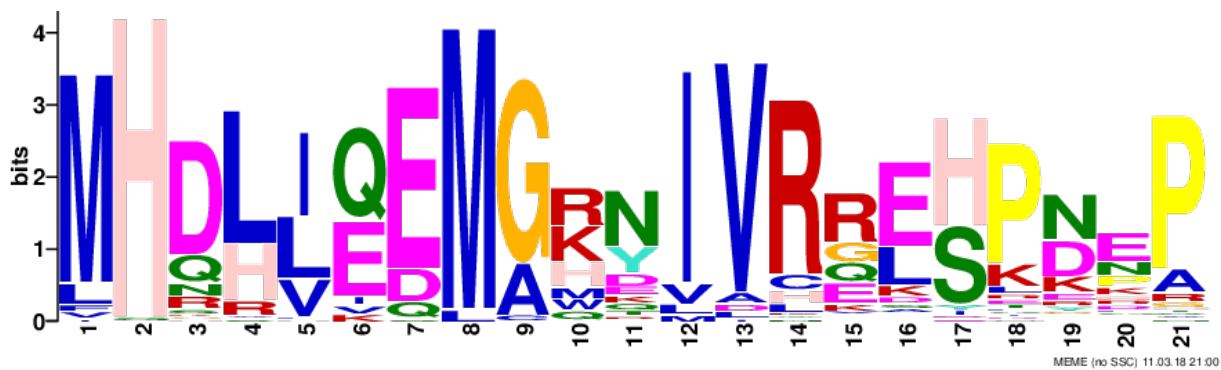
Motif 12: RNBS D



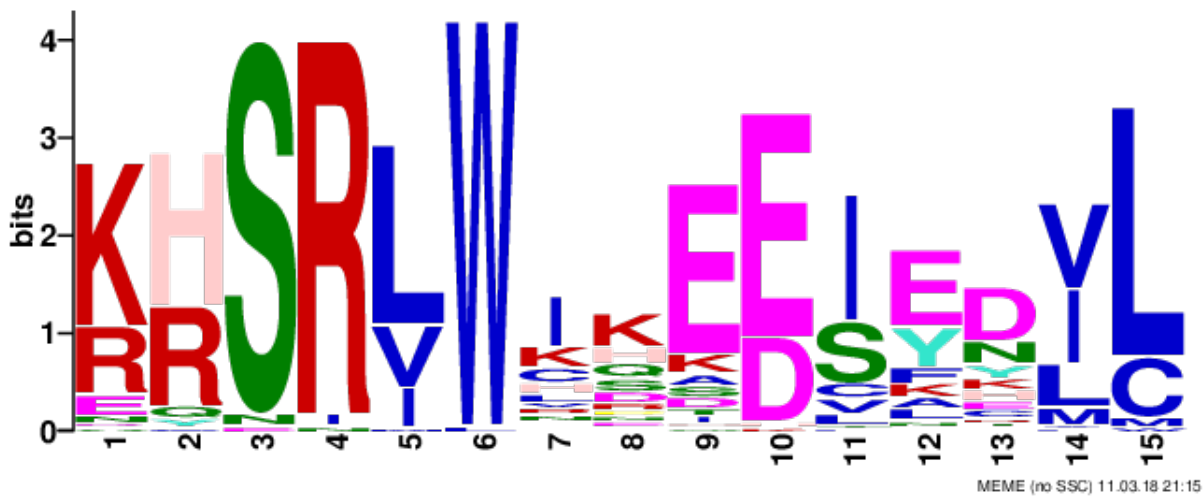
Motif 11:



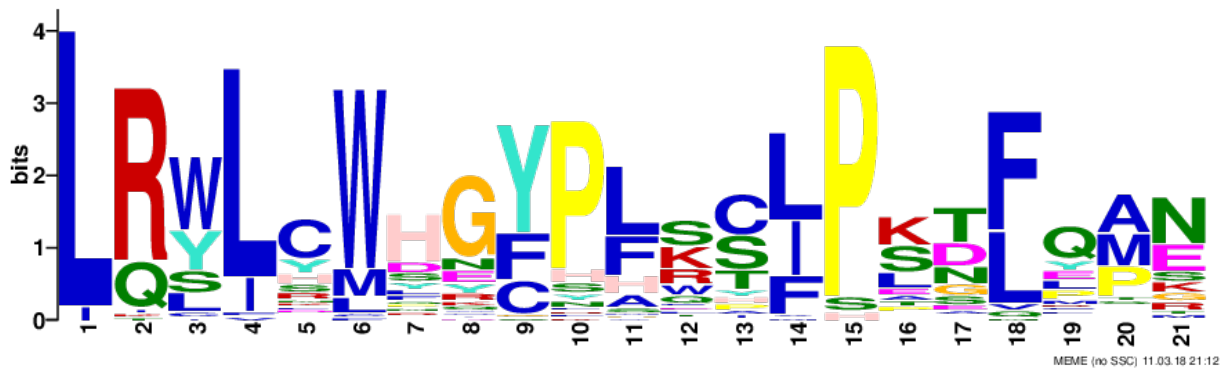
Motif 7: MHDL



Motif 18: L1

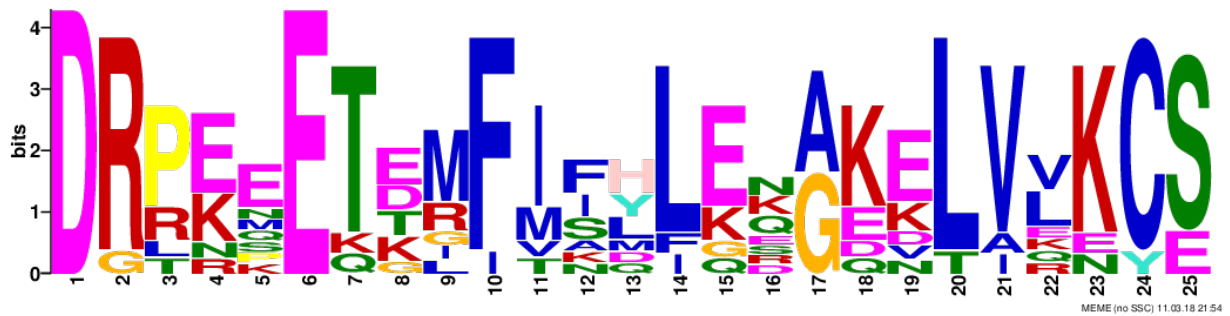


Motif 16:L2

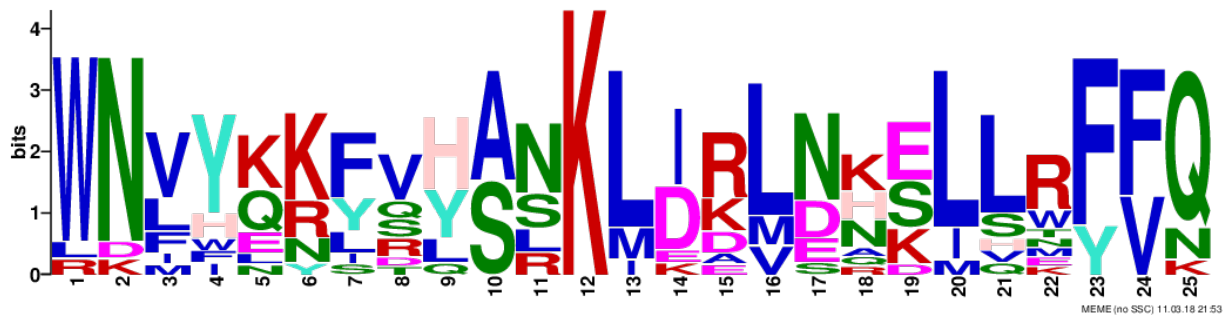


**Supplementary File S1c.** The motif sequence Logos in the sunflower RNL family of R proteins

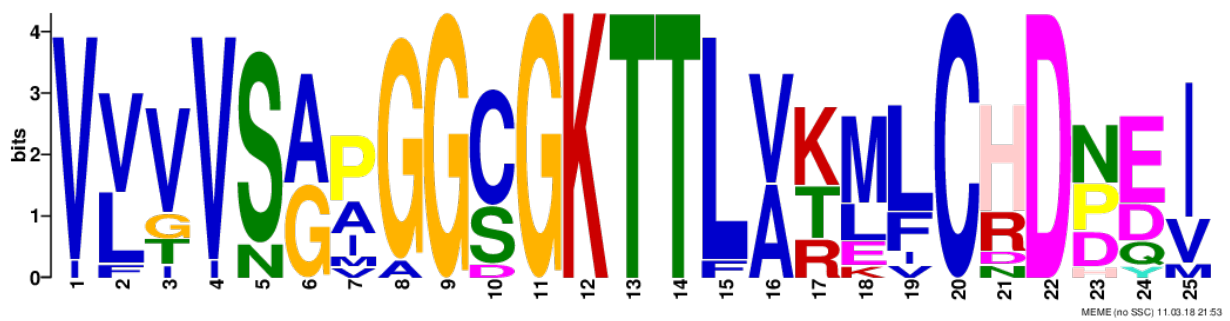
**Motif 19:RPW8-1**



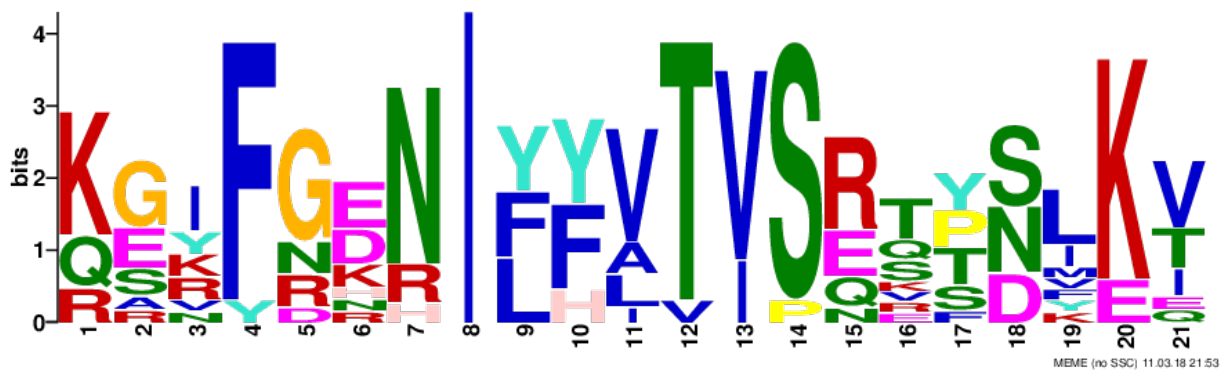
**Motif 8:RPW8-2**



**Motif 1: P-LOOP**



**Motif 14: RNBS A**



Motif 20:

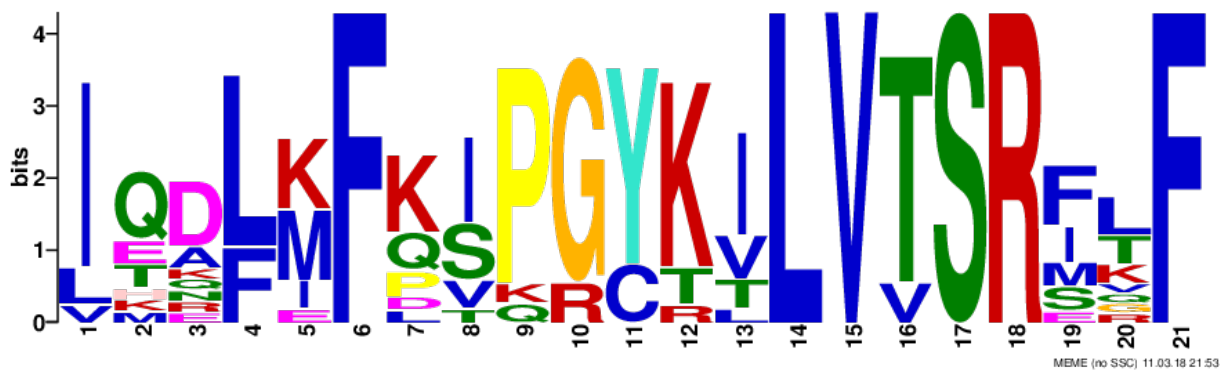


Motif 18: Kinase 2

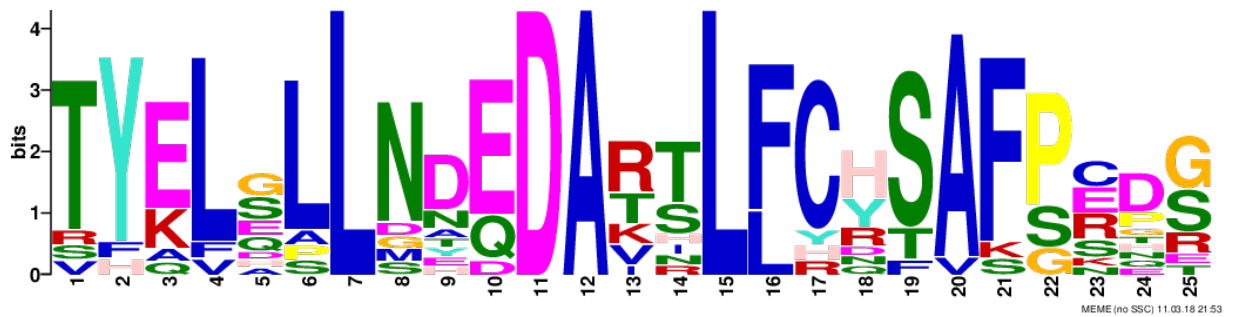


Motif 5: RNBS B

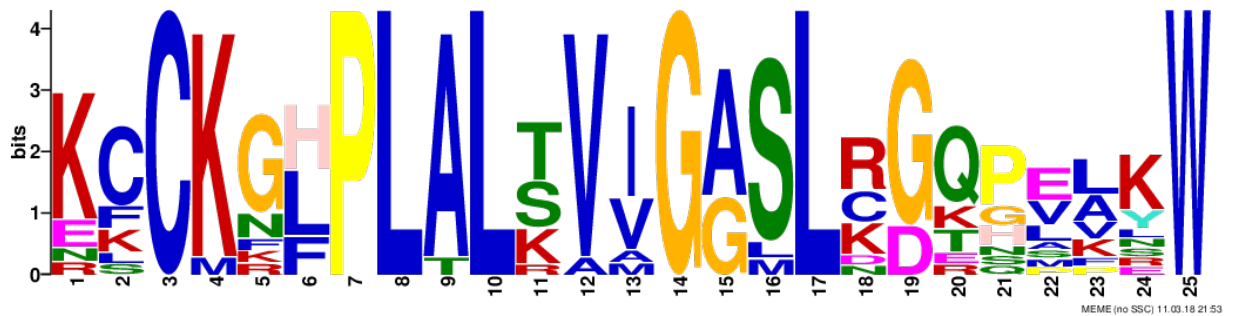




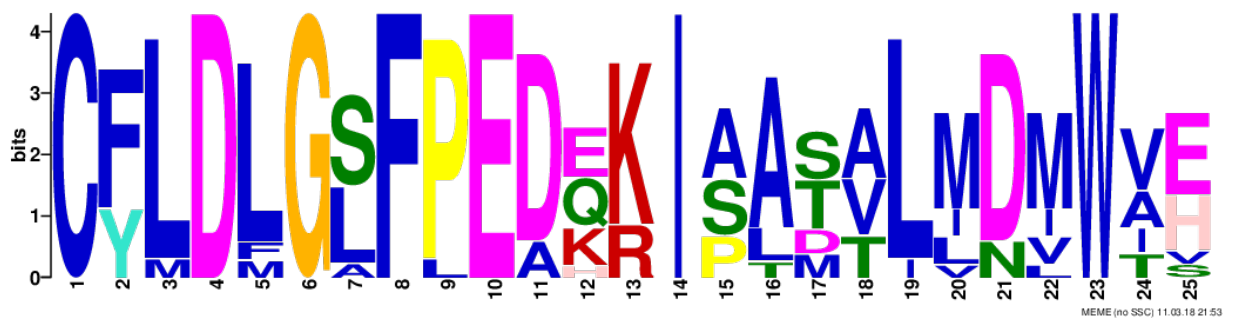
Motif 6: RNBS C



Motif 3: GLPL



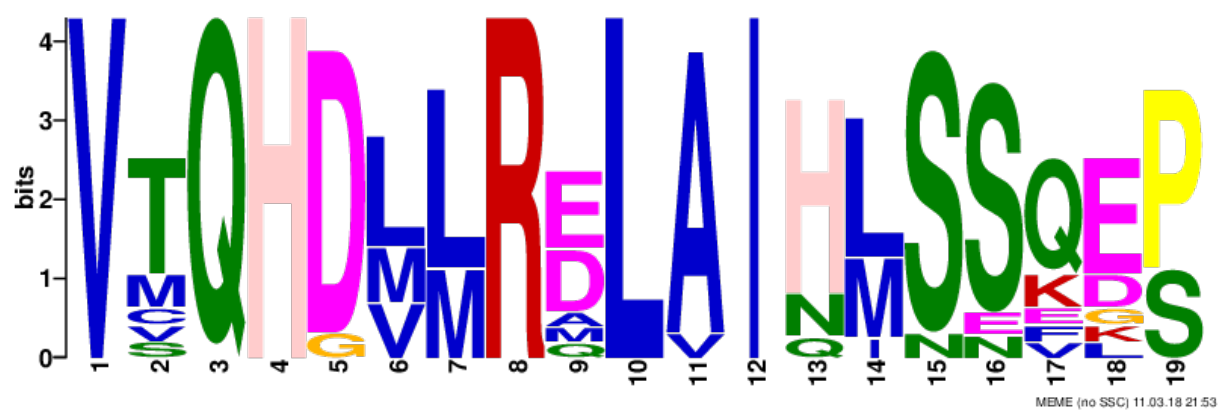
Motif 2: RNBS D



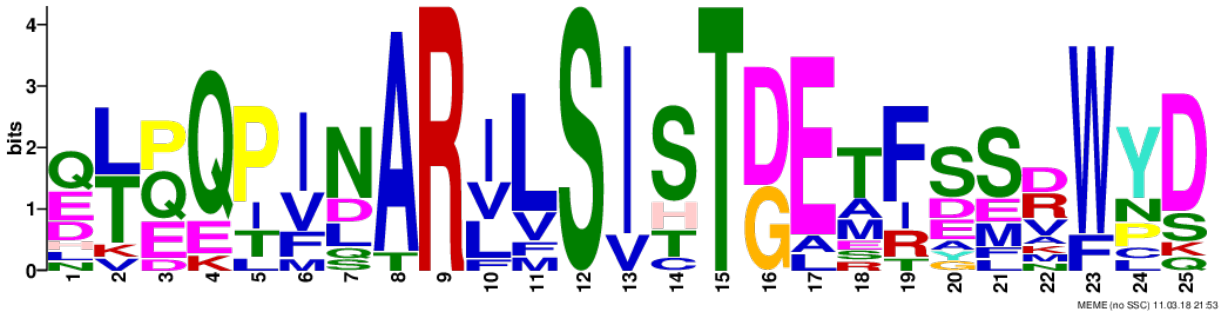
Motif 16:



Motif 4: QHDL



Motif 10:



Motif 7:



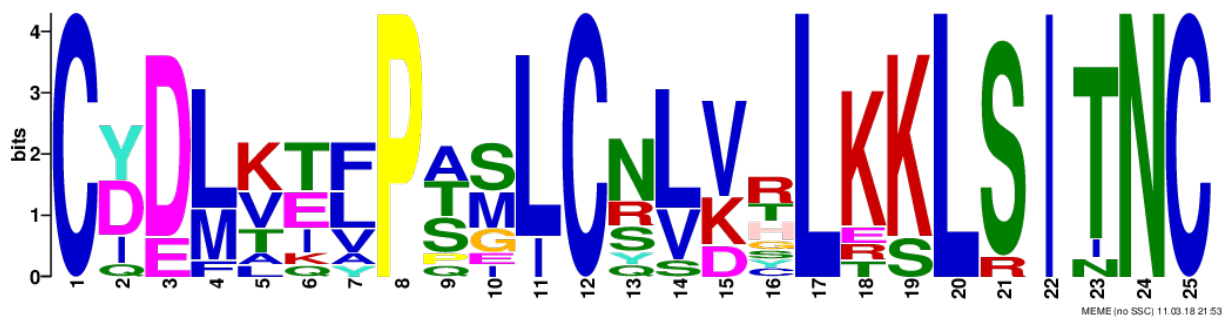
Motif 12: L1



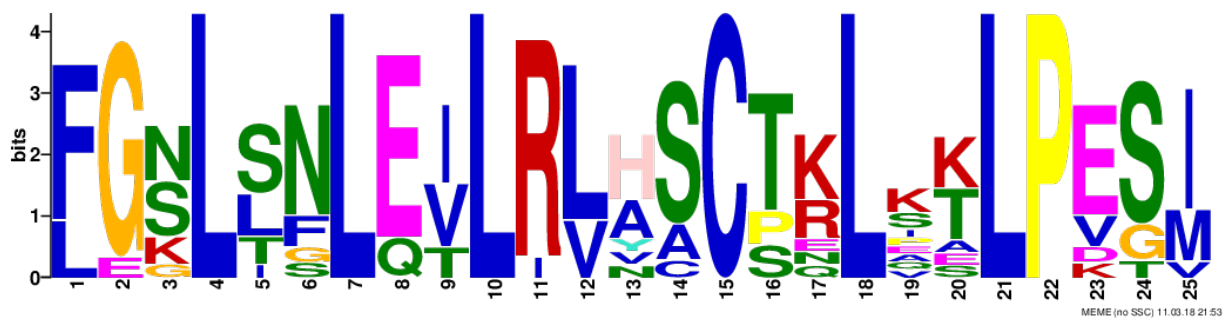
Motif 17:L2



Motif 9:L3



Motif 11:L4



Motif 13: L5



Motif 15:

