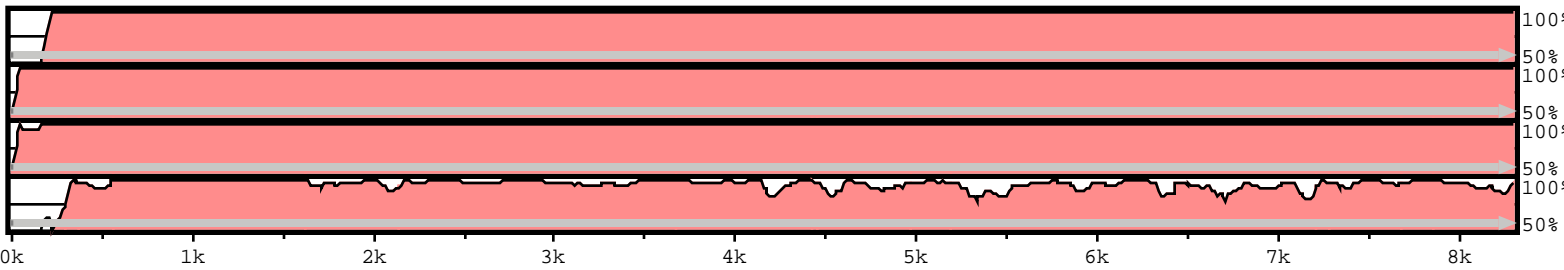


**Lemna\_minor\_Renner\_2188 renner\_2188:1-33191**

trnH-GUG ← psbA ← matK ← trnK-UUU ← rps16 ← trnQ-UUG ← psbK →

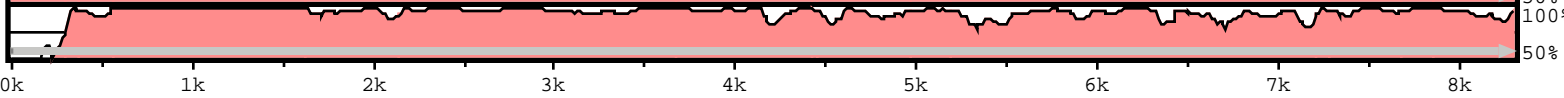
**Alignment 1**

Lemna\_minor\_strain\_...  
strain\_9532 (+)  
1-33021  
Criteria: 70%, 100 bp  
Regions: 47



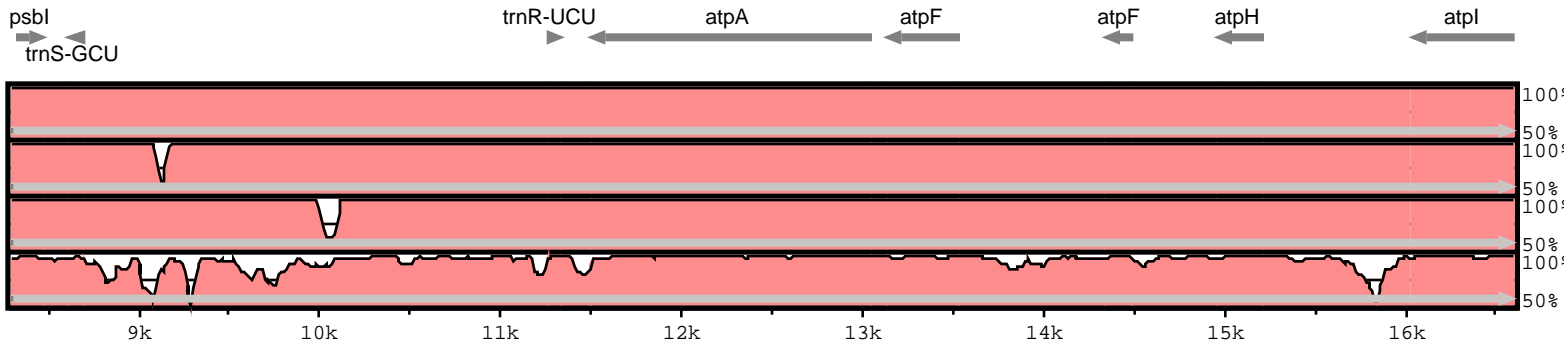
**Alignment 2**

Lemna\_gibba\_strain\_...  
strain\_9584 (+)  
1-33229  
Criteria: 70%, 100 bp  
Regions: 47



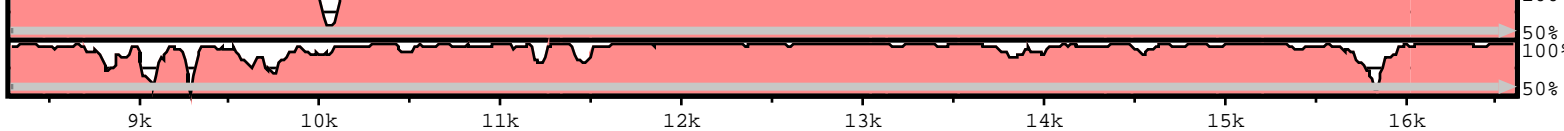
**Alignment 3**

Lemna\_japonica\_strai...  
strain\_8695 (+)  
1-33156  
Criteria: 70%, 100 bp  
Regions: 47



**Alignment 4**

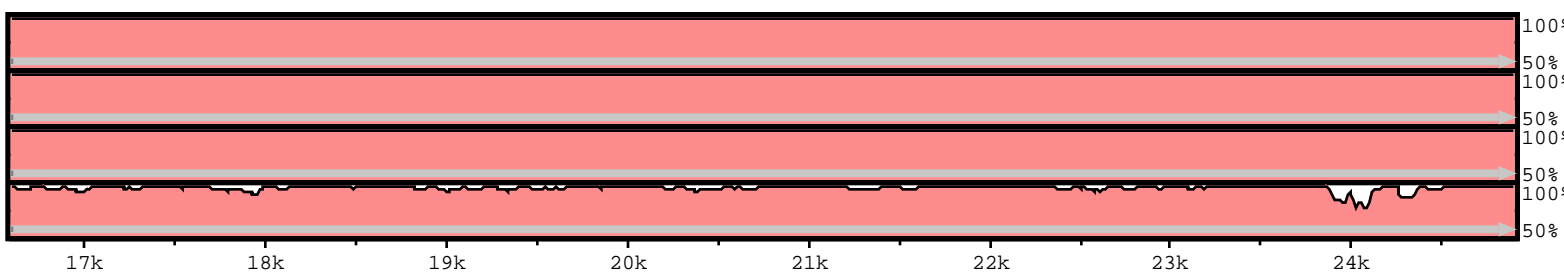
Lemna\_japonica\_strai...  
strain\_0234 (+)  
1-32986  
Criteria: 70%, 100 bp  
Regions: 49



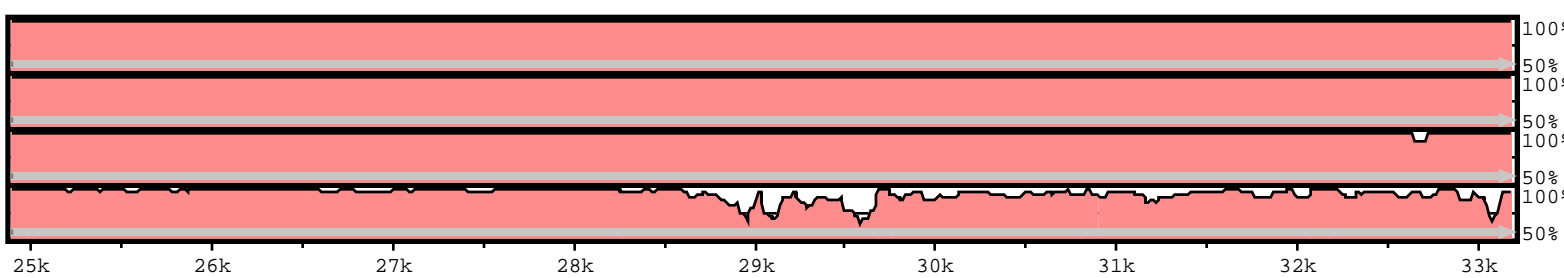
X-axis: Lemna\_minor\_Renner\_2188  
Resolution: 12  
Window size: 100 bp

psbl → trnS-GCU ← trnR-UCU ← atpA ← atpF ← atpF ← atpH ← atpl ←

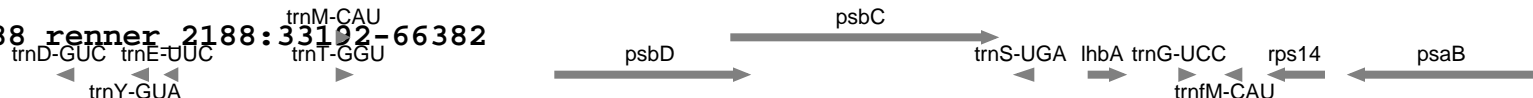
atpl ← rps2 ← rpoC2 ← rpoC1 ← rpoC1 ←



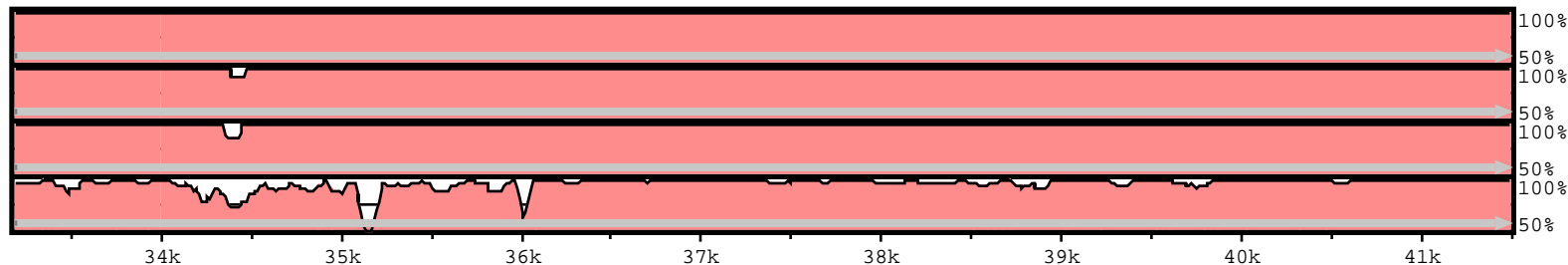
rpoC1 ← rpoB ← trnC-GCA → petN → psbM ←



**Lemna\_minor\_Renner\_2188 renner\_2188:33192-66382**



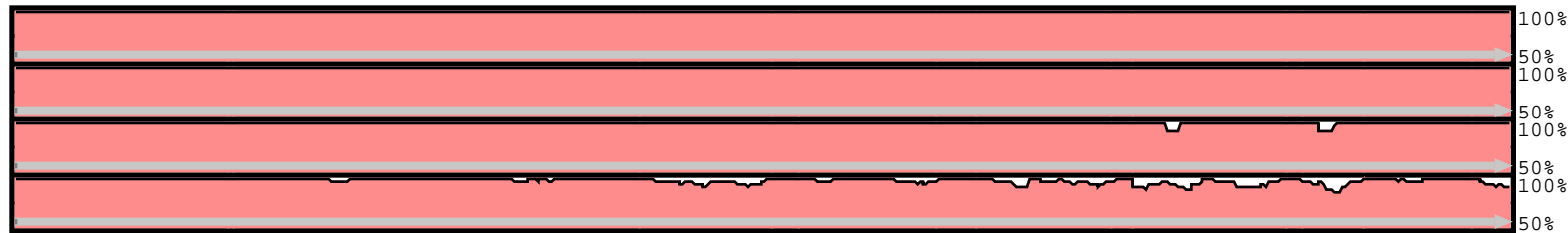
Alignment 1  
 Lemna\_minor\_strain\_...  
 strain\_9532 (+)  
 33022-66211  
 Criteria: 70%, 100 bp  
 Regions: 64



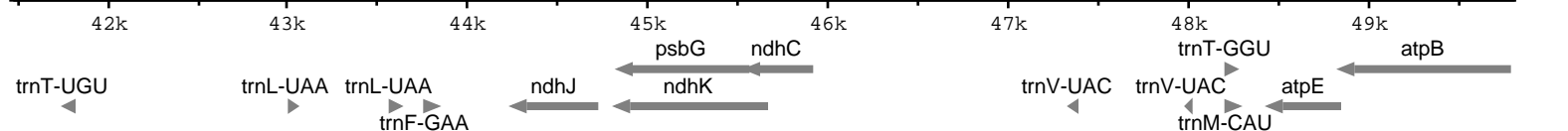
Alignment 2  
 Lemna\_gibba\_strain\_...  
 strain\_9584 (+)  
 33230-66428  
 Criteria: 70%, 100 bp  
 Regions: 64



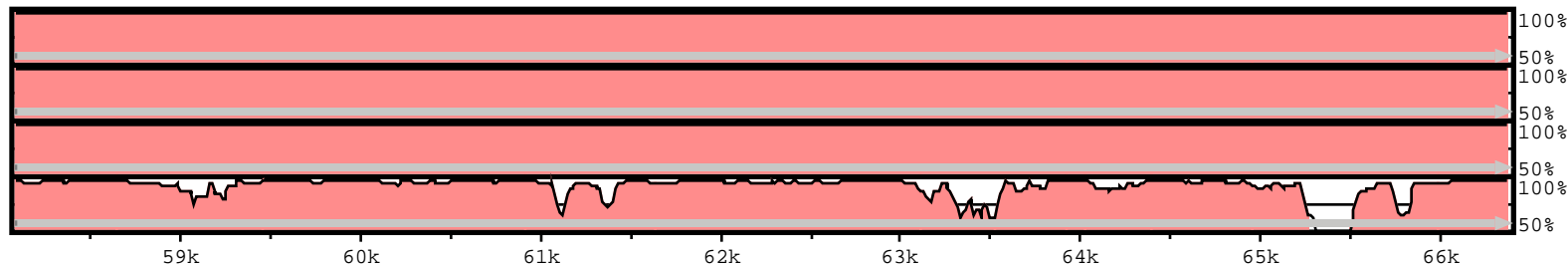
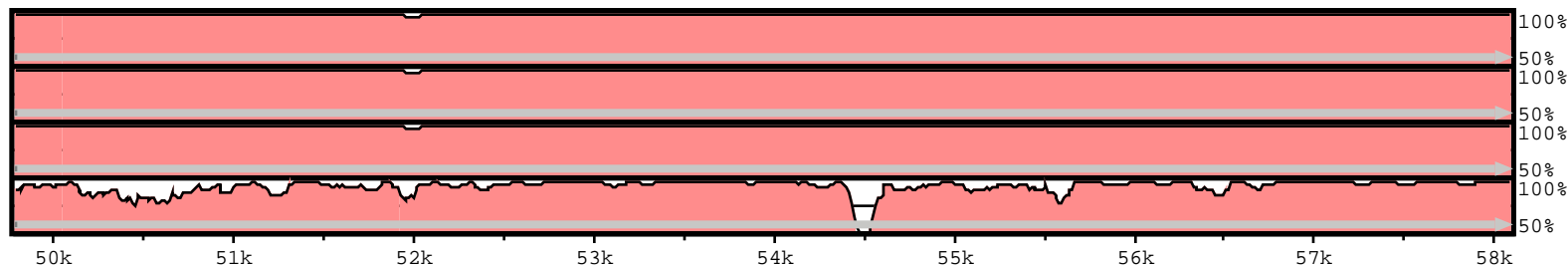
Alignment 3  
 Lemna\_japonica\_strai...  
 strain\_8695 (+)  
 33157-66315  
 Criteria: 70%, 100 bp  
 Regions: 64



Alignment 4  
 Lemna\_japonica\_strai...  
 strain\_0234 (+)  
 32987-65896  
 Criteria: 70%, 100 bp  
 Regions: 67



X-axis: Lemna\_minor\_Renner\_2188  
 Resolution: 12  
 Window size: 100 bp

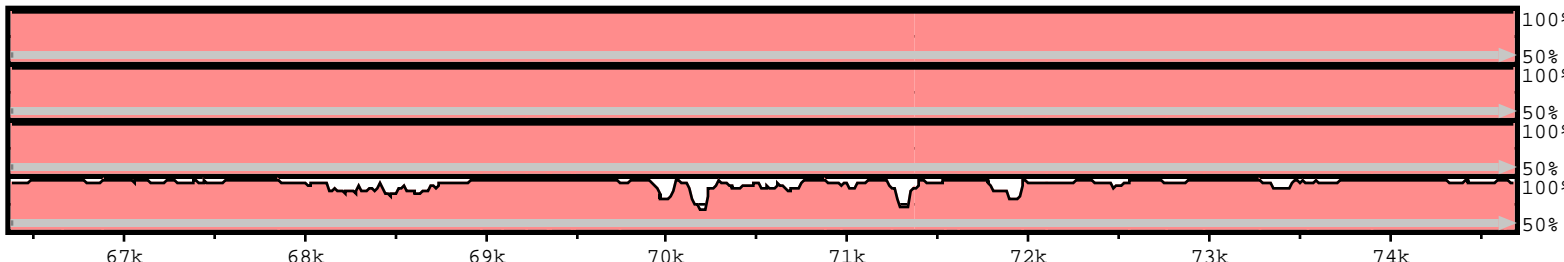


# Lemna\_minor\_Renner\_2188 renner\_2188:66383-99573



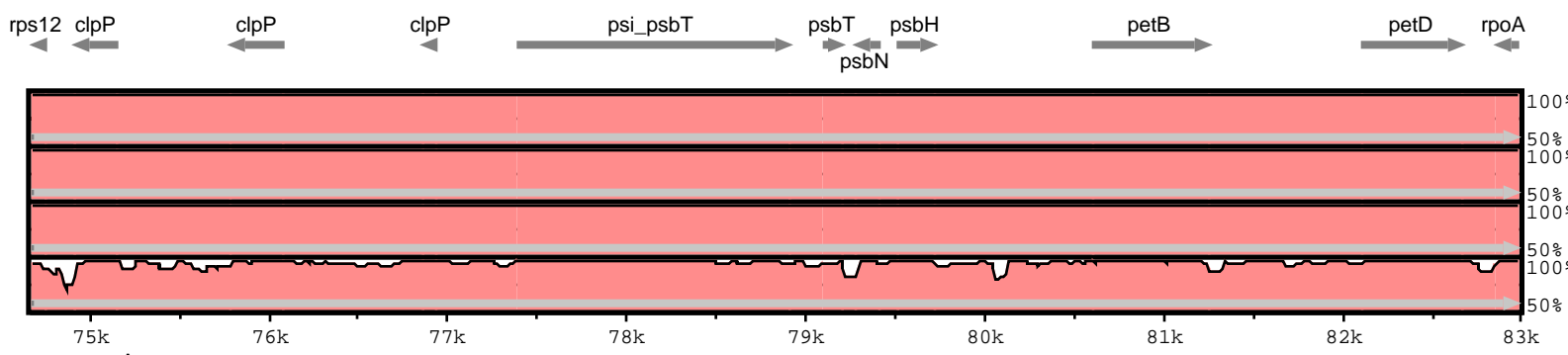
## Alignment 1

Lemna\_minor\_strain\_...  
strain\_9532 (+)  
66212-99399  
Criteria: 70%, 100 bp  
Regions: 82



## Alignment 2

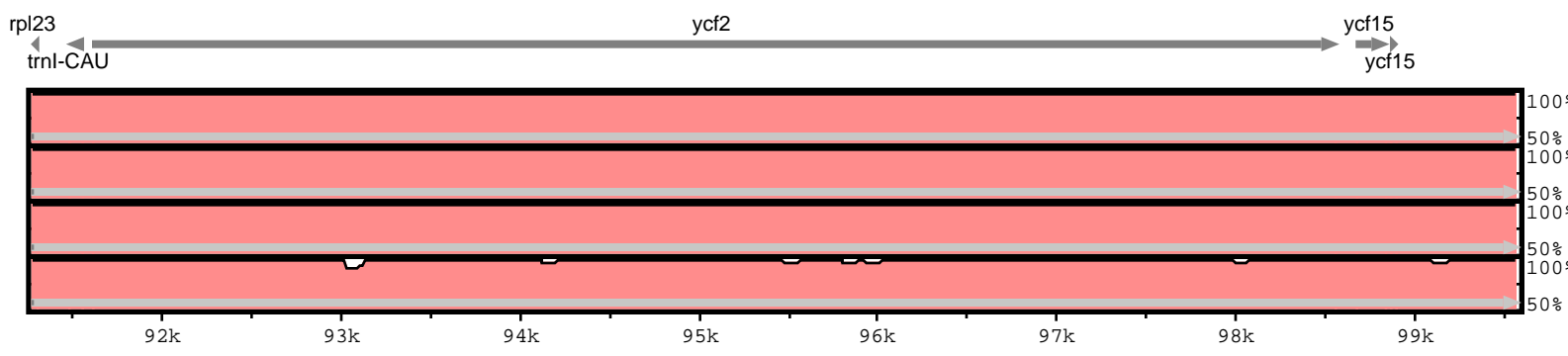
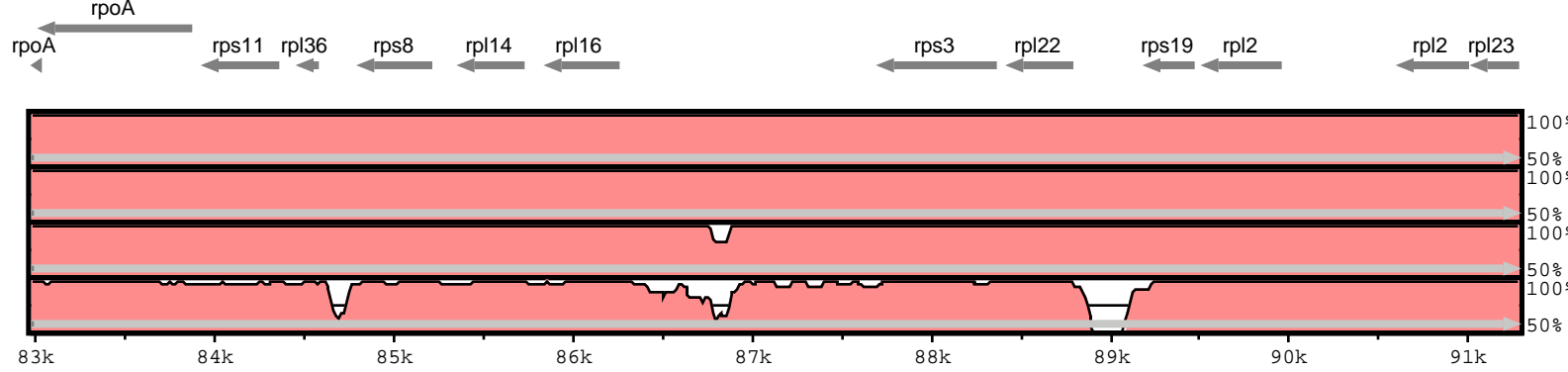
Lemna\_gibba\_strain\_...  
strain\_9584 (+)  
66429-99616  
Criteria: 70%, 100 bp  
Regions: 82



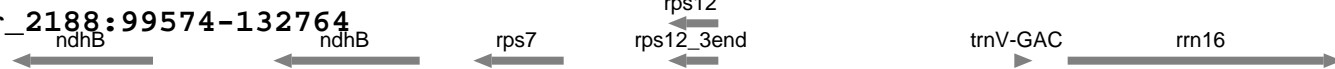
## Alignment 4

Lemna\_japonica\_strai...  
strain\_0234 (+)  
65897-98808  
Criteria: 70%, 100 bp  
Regions: 83

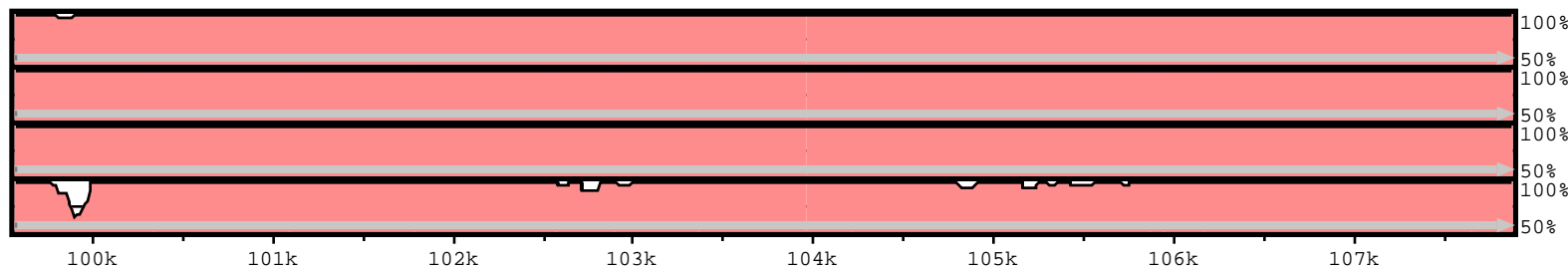
X-axis: Lemna\_minor\_Renner\_2188  
Resolution: 12  
Window size: 100 bp



**Lemna\_minor\_Renner\_2188 renner\_2188:99574-132764**



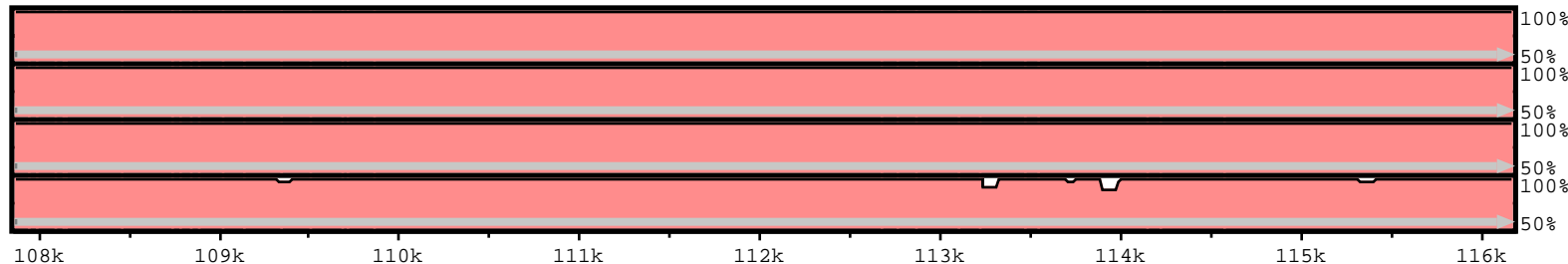
Alignment 1  
 Lemna\_minor\_strain\_...  
 strain\_9532 (+)  
 99400-132588  
 Criteria: 70%, 100 bp  
 Regions: 63



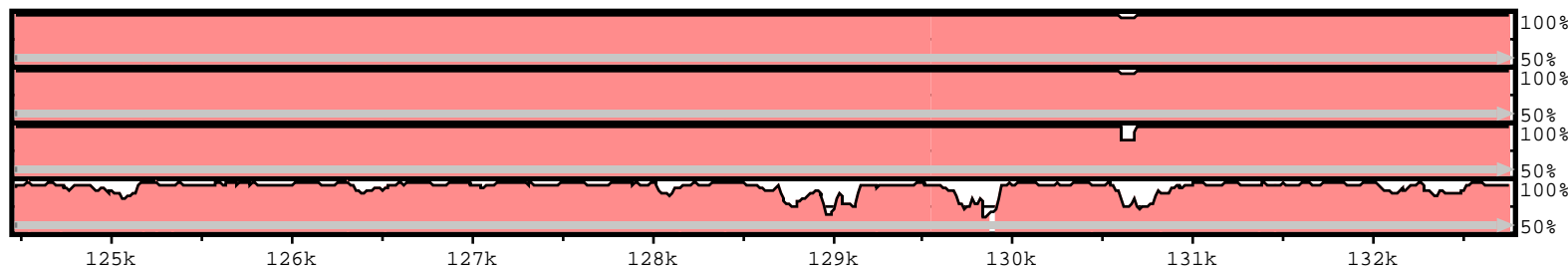
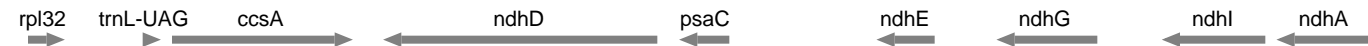
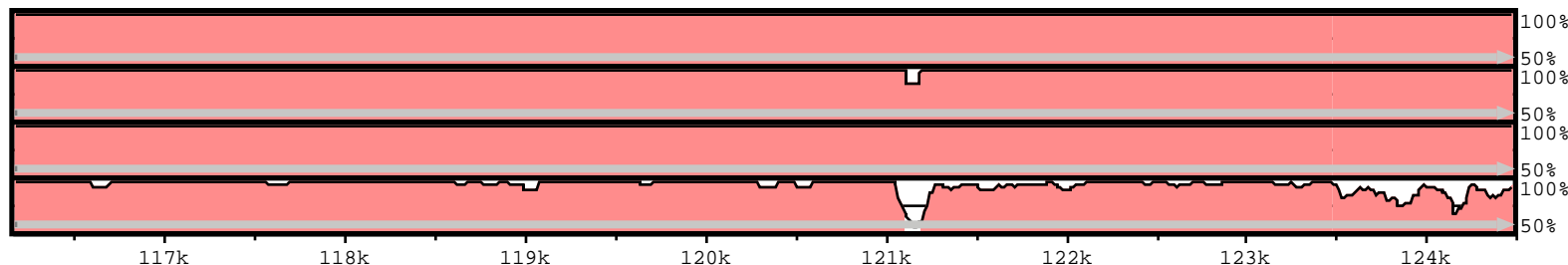
Alignment 2  
 Lemna\_gibba\_strain\_...  
 strain\_9584 (+)  
 99617-132820  
 Criteria: 70%, 100 bp  
 Regions: 63



Alignment 3  
 Lemna\_japonica\_strai...  
 strain\_8695 (+)  
 99486-132691  
 Criteria: 70%, 100 bp  
 Regions: 63



X-axis: Lemna\_minor\_Renner\_2188  
 Resolution: 12  
 Window size: 100 bp

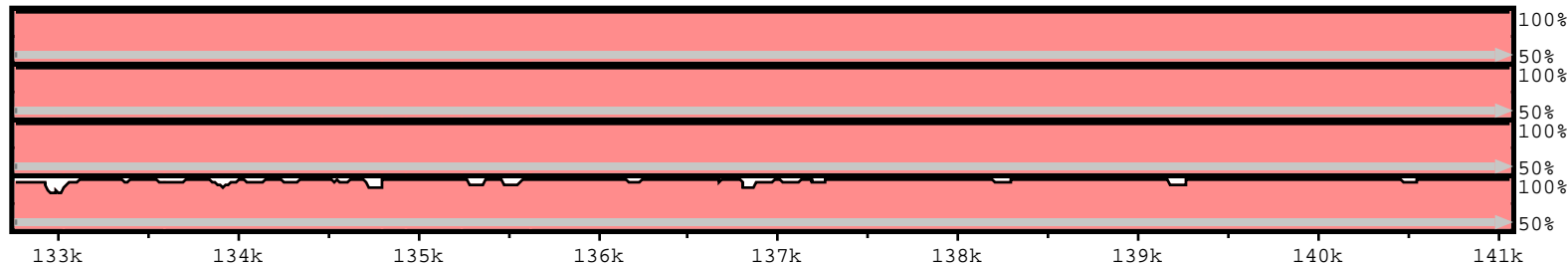


**Lemna\_minor\_Renner\_2188** ~~renner\_2188:132765-165955~~



**Alignment 1**

Lemna\_minor\_strain\_...  
strain\_9532 (+)  
132589-165775  
Criteria: 70%, 100 bp  
Regions: 59



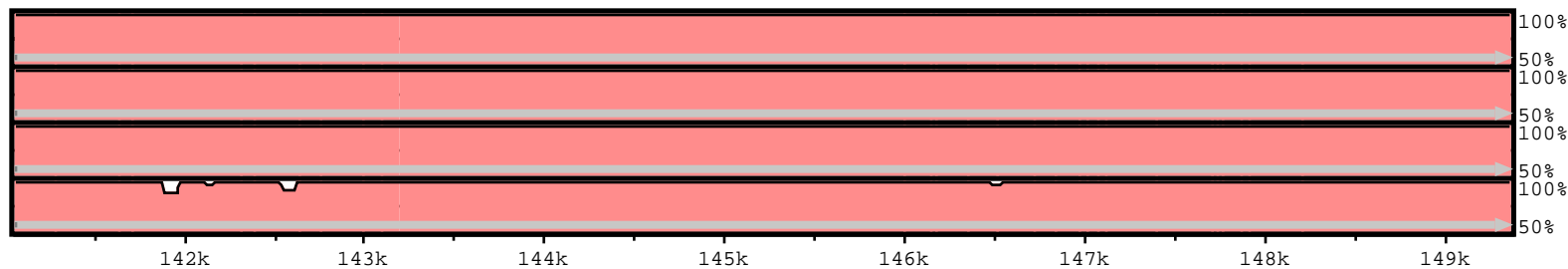
**Alignment 2**

Lemna\_gibba\_strain\_...  
strain\_9584 (+)  
132821-166553  
Criteria: 70%, 100 bp  
Regions: 59



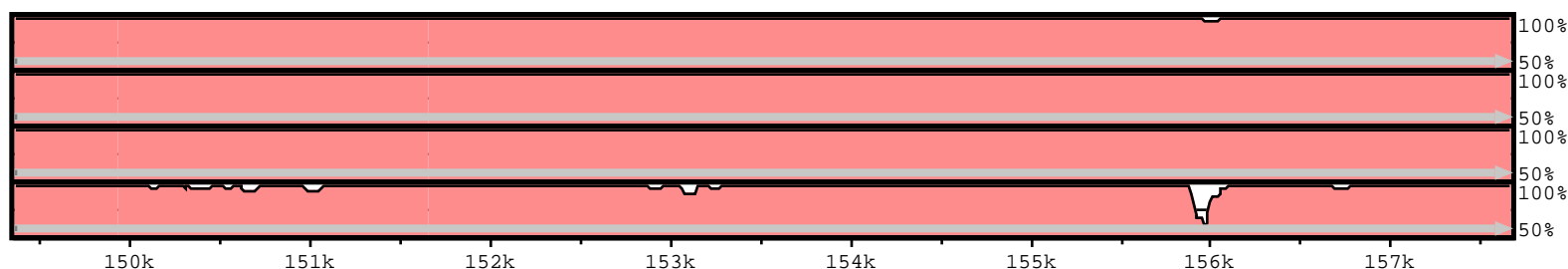
**Alignment 3**

Lemna\_japonica\_strai...  
strain\_8695 (+)  
132692-166424  
Criteria: 70%, 100 bp  
Regions: 59



**Alignment 4**

Lemna\_japonica\_strai...  
strain\_0234 (+)  
131807-165436  
Criteria: 70%, 100 bp  
Regions: 59



X-axis: Lemna\_minor\_Renner\_2188  
Resolution: 12  
Window size: 100 bp

