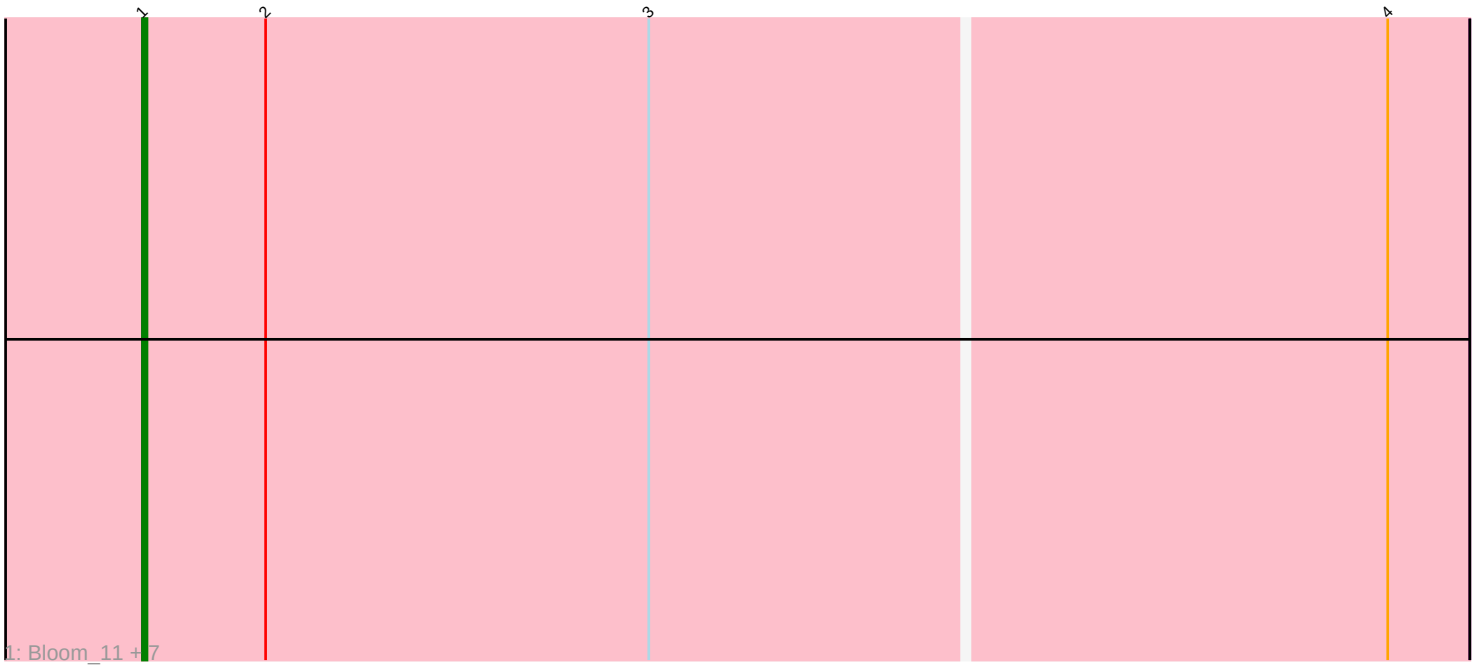
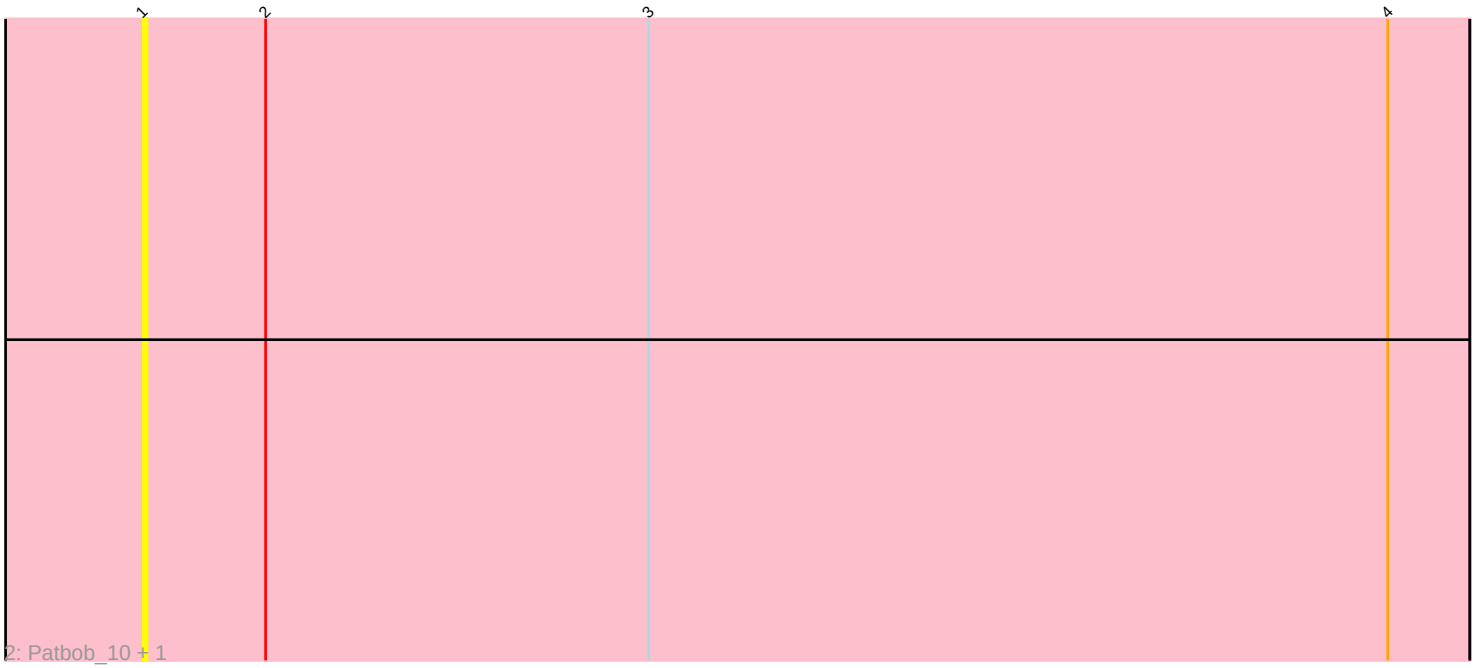
# Pham 136091



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

# Pham 136091 Report

This analysis was run 04/05/24 on database version 557.

Pham number 136091 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Bloom_11, Bloom_298, Racecar_11, Mimi_12, Racecar_300, Talia1610_11, Mimi_302, Talia1610_298
• Track 2 : Patbob_10, Patbob_300

***Summary of Final Annotations (See graph section above for start numbers):***

The start number called the most often in the published annotations is 1, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_11, Bloom_298, Mimi_12, Mimi_302, Patbob_10, Patbob_300, Racecar_11, Racecar_300, Talia1610_11, Talia1610_298,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

**Summary by start number:**

Start 1:
• Found in 10 of 10 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_11 (FC), Bloom_298 (FC), Mimi_12 (FC), Mimi_302 (FC), Patbob_10 (FC), Patbob_300 (FC), Racecar_11 (FC), Racecar_300 (FC), Talia1610_11 (FC), Talia1610_298 (FC),

**Summary by clusters:**

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

•Start number 1 was manually annotated 2 times for cluster FC.

### *Gene Information:*

Gene: Bloom_11 Start: 5636, Stop: 5923, Start Num: 1
Candidate Starts for Bloom_11:
(Start: 1 @5636 has 2 MA's), (2, 5663), (3, 5747), (4, 5906),

Gene: Bloom_298 Start: 179111, Stop: 179398, Start Num: 1
Candidate Starts for Bloom_298:
(Start: 1 @179111 has 2 MA's), (2, 179138), (3, 179222), (4, 179381),

Gene: Mimi_12 Start: 5569, Stop: 5859, Start Num: 1
Candidate Starts for Mimi_12:
(Start: 1 @5569 has 2 MA's), (2, 5596), (3, 5680), (4, 5842),

Gene: Mimi_302 Start: 178229, Stop: 178519, Start Num: 1
Candidate Starts for Mimi_302:
(Start: 1 @178229 has 2 MA's), (2, 178256), (3, 178340), (4, 178502),

Gene: Patbob_10 Start: 5626, Stop: 5916, Start Num: 1
Candidate Starts for Patbob_10:
(Start: 1 @5626 has 2 MA's), (2, 5653), (3, 5737), (4, 5899),

Gene: Patbob_300 Start: 181085, Stop: 181375, Start Num: 1
Candidate Starts for Patbob_300:
(Start: 1 @181085 has 2 MA's), (2, 181112), (3, 181196), (4, 181358),

Gene: Racecar_11 Start: 5636, Stop: 5923, Start Num: 1
Candidate Starts for Racecar_11:
(Start: 1 @5636 has 2 MA's), (2, 5663), (3, 5747), (4, 5906),

Gene: Racecar_300 Start: 179345, Stop: 179632, Start Num: 1
Candidate Starts for Racecar_300:
(Start: 1 @179345 has 2 MA's), (2, 179372), (3, 179456), (4, 179615),

Gene: Talia1610_11 Start: 5587, Stop: 5874, Start Num: 1
Candidate Starts for Talia1610_11:
(Start: 1 @5587 has 2 MA's), (2, 5614), (3, 5698), (4, 5857),

Gene: Talia1610_298 Start: 180059, Stop: 180346, Start Num: 1
Candidate Starts for Talia1610_298:
(Start: 1 @180059 has 2 MA's), (2, 180086), (3, 180170), (4, 180329),