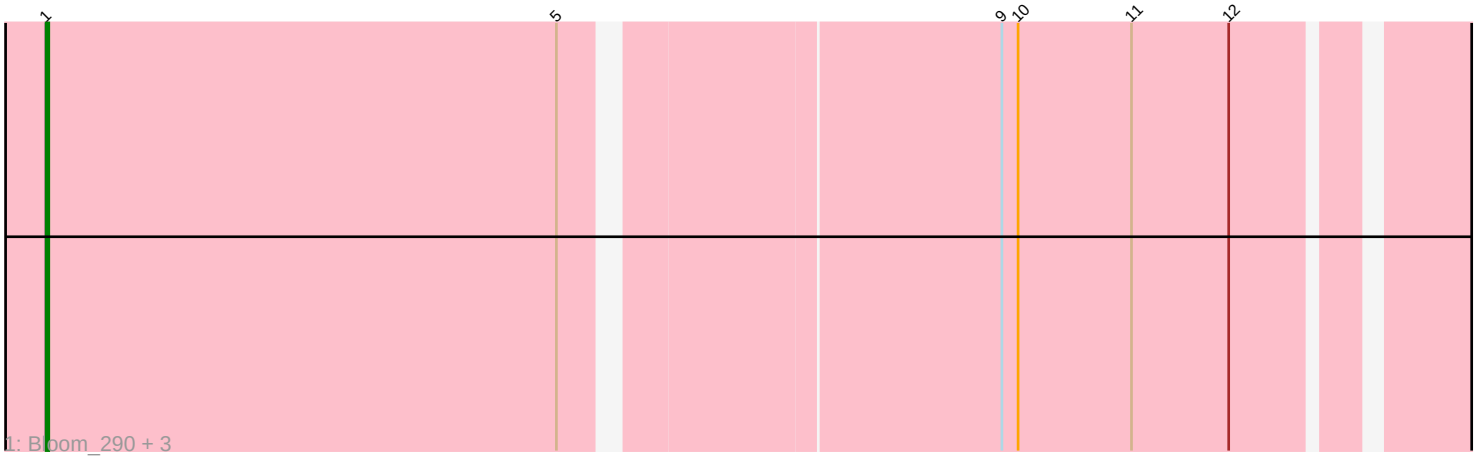
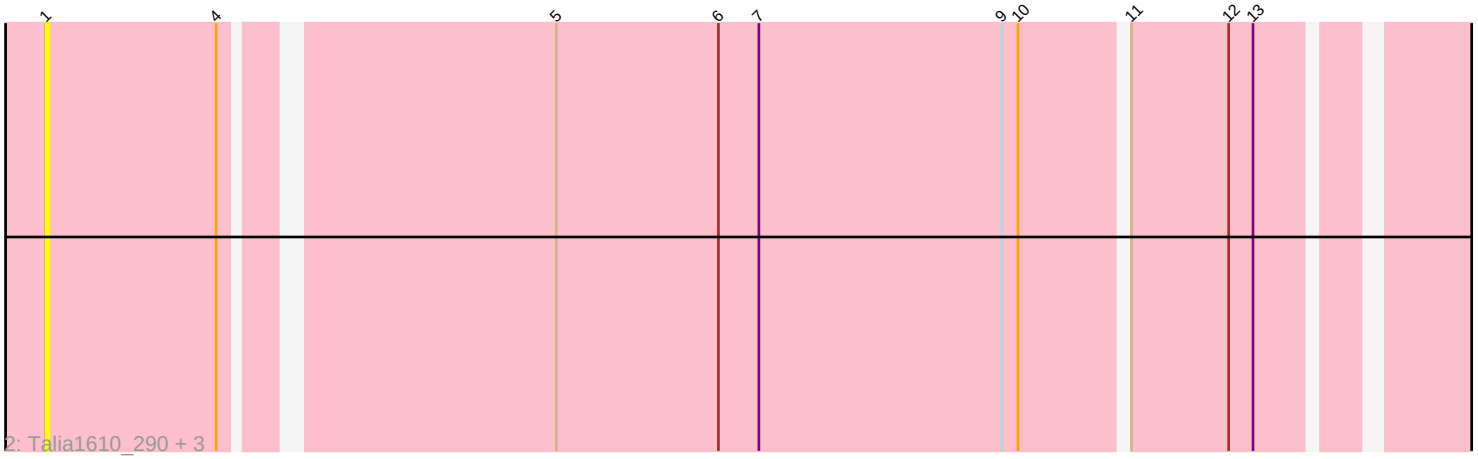
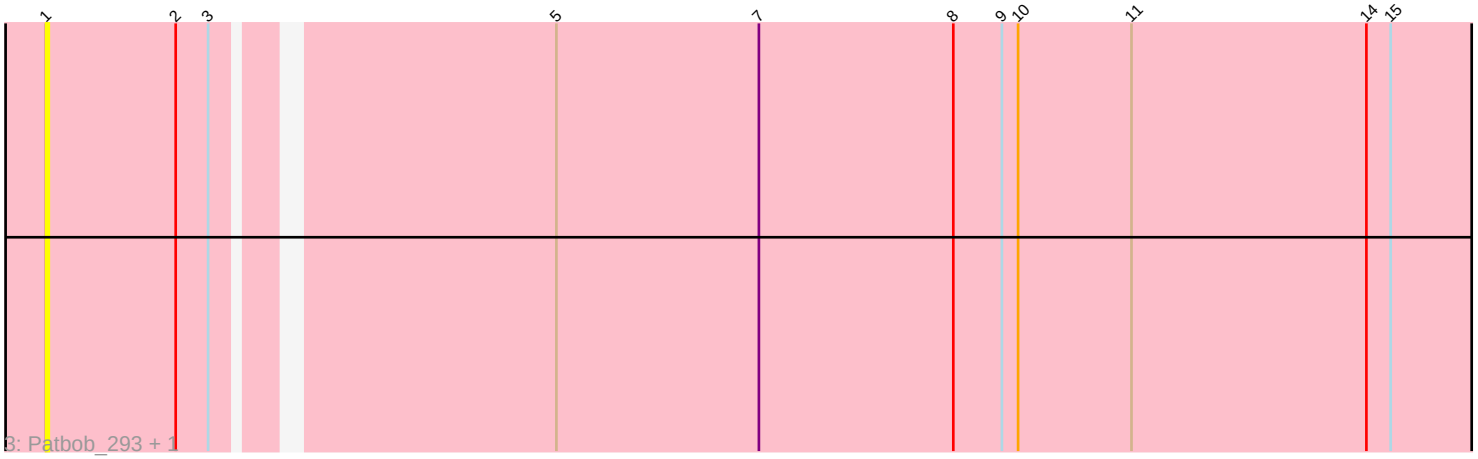
Pham 136074


1
5
9
10
11
12
1: Bloom_290 + 3


1
4
5
6
7
9
10
11
12
13
2: Talia1610_290 + 3


1
2
3
5
7
8
9
10
11
14
15
3: Patbob_293 + 1

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 136074 Report

This analysis was run 04/28/24 on database version 559.

Pham number 136074 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Bloom_290, Bloom_3, Racecar_3, Racecar_292
• Track 2 : Talia1610_290, Talia1610_3, Mimi_3, Mimi_293
• Track 3 : Patbob_293, Patbob_3

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_290, Bloom_3, Mimi_293, Mimi_3, Patbob_293, Patbob_3, Racecar_292, Racecar_3, Talia1610_290, Talia1610_3,

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_290 (FC), Bloom_3 (FC), Mimi_293 (FC), Mimi_3 (FC), Patbob_293 (FC), Patbob_3 (FC), Racecar_292 (FC), Racecar_3 (FC), Talia1610_290 (FC), Talia1610_3 (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_290 Start: 174384, Stop: 174947, Start Num: 1
Candidate Starts for Bloom_290:
(Start: 1 @174384 has 2 MA's), (5, 174573), (9, 174723), (10, 174729), (11, 174771), (12, 174807),

Gene: Bloom_3 Start: 909, Stop: 1472, Start Num: 1
Candidate Starts for Bloom_3:
(Start: 1 @909 has 2 MA's), (5, 1098), (9, 1248), (10, 1254), (11, 1296), (12, 1332),

Gene: Mimi_3 Start: 851, Stop: 1408, Start Num: 1
Candidate Starts for Mimi_3:
(Start: 1 @851 has 2 MA's), (4, 914), (5, 1025), (6, 1085), (7, 1100), (9, 1190), (10, 1196), (11, 1232), (12, 1268), (13, 1277),

Gene: Mimi_293 Start: 173511, Stop: 174068, Start Num: 1
Candidate Starts for Mimi_293:
(Start: 1 @173511 has 2 MA's), (4, 173574), (5, 173685), (6, 173745), (7, 173760), (9, 173850), (10, 173856), (11, 173892), (12, 173928), (13, 173937),

Gene: Patbob_293 Start: 176395, Stop: 176973, Start Num: 1
Candidate Starts for Patbob_293:
(Start: 1 @176395 has 2 MA's), (2, 176443), (3, 176455), (5, 176569), (7, 176644), (8, 176716), (9, 176734), (10, 176740), (11, 176782), (14, 176869), (15, 176878),

Gene: Patbob_3 Start: 936, Stop: 1514, Start Num: 1
Candidate Starts for Patbob_3:
(Start: 1 @936 has 2 MA's), (2, 984), (3, 996), (5, 1110), (7, 1185), (8, 1257), (9, 1275), (10, 1281), (11, 1323), (14, 1410), (15, 1419),

Gene: Racecar_3 Start: 909, Stop: 1472, Start Num: 1
Candidate Starts for Racecar_3:
(Start: 1 @909 has 2 MA's), (5, 1098), (9, 1248), (10, 1254), (11, 1296), (12, 1332),

Gene: Racecar_292 Start: 174618, Stop: 175181, Start Num: 1
Candidate Starts for Racecar_292:
(Start: 1 @174618 has 2 MA's), (5, 174807), (9, 174957), (10, 174963), (11, 175005), (12, 175041),

Gene: Talia1610_290 Start: 175338, Stop: 175895, Start Num: 1
Candidate Starts for Talia1610_290:
(Start: 1 @175338 has 2 MA's), (4, 175401), (5, 175512), (6, 175572), (7, 175587), (9, 175677), (10, 175683), (11, 175719), (12, 175755), (13, 175764),

Gene: Talia1610_3 Start: 866, Stop: 1423, Start Num: 1
Candidate Starts for Talia1610_3:
(Start: 1 @866 has 2 MA's), (4, 929), (5, 1040), (6, 1100), (7, 1115), (9, 1205), (10, 1211), (11, 1247), (12, 1283), (13, 1292),