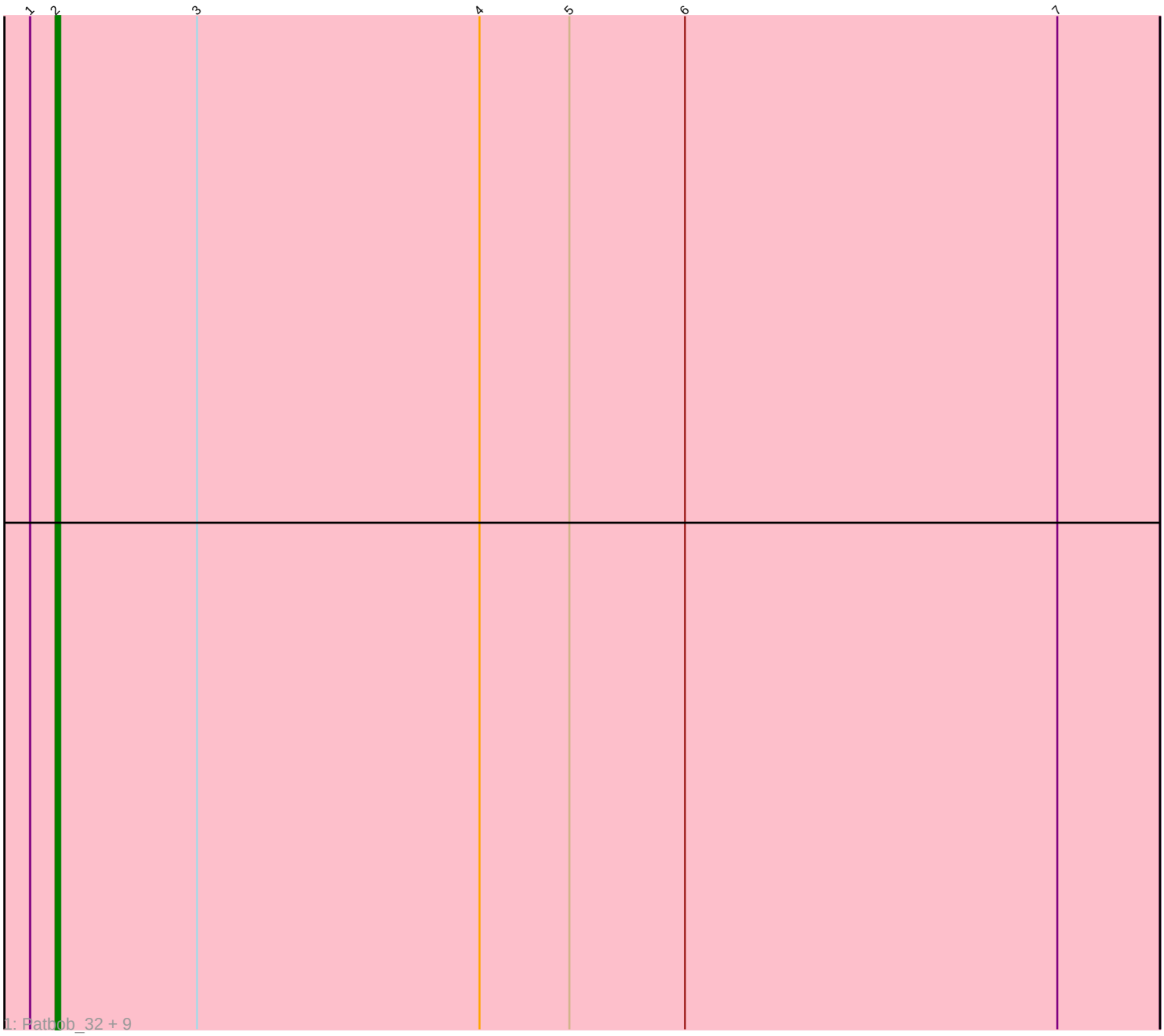
Pham 136081



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 136081 Report

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

Pham number 136081 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Patbob_32, Mimi_40, Talia1610_324, Racecar_37, Bloom_40, Racecar_326, Patbob_322, Talia1610_37, Mimi_330, Bloom_327

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

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

Genes that call this "Most Annotated" start:
• Bloom_327, Bloom_40, Mimi_330, Mimi_40, Patbob_32, Patbob_322, Racecar_326, Racecar_37, Talia1610_324, Talia1610_37,

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 2:
• 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_327 (FC), Bloom_40 (FC), Mimi_330 (FC), Mimi_40 (FC), Patbob_32 (FC), Patbob_322 (FC), Racecar_326 (FC), Racecar_37 (FC), Talia1610_324 (FC), Talia1610_37 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Bloom_40 Start: 16489, Stop: 16746, Start Num: 2
Candidate Starts for Bloom_40:
(1, 16483), (Start: 2 @16489 has 2 MA's), (3, 16522), (4, 16588), (5, 16609), (6, 16636), (7, 16723),

Gene: Bloom_327 Start: 189964, Stop: 190221, Start Num: 2
Candidate Starts for Bloom_327:
(1, 189958), (Start: 2 @189964 has 2 MA's), (3, 189997), (4, 190063), (5, 190084), (6, 190111), (7, 190198),

Gene: Mimi_40 Start: 15666, Stop: 15923, Start Num: 2
Candidate Starts for Mimi_40:
(1, 15660), (Start: 2 @15666 has 2 MA's), (3, 15699), (4, 15765), (5, 15786), (6, 15813), (7, 15900),

Gene: Mimi_330 Start: 188326, Stop: 188583, Start Num: 2
Candidate Starts for Mimi_330:
(1, 188320), (Start: 2 @188326 has 2 MA's), (3, 188359), (4, 188425), (5, 188446), (6, 188473), (7, 188560),

Gene: Patbob_32 Start: 15223, Stop: 15480, Start Num: 2
Candidate Starts for Patbob_32:
(1, 15217), (Start: 2 @15223 has 2 MA's), (3, 15256), (4, 15322), (5, 15343), (6, 15370), (7, 15457),

Gene: Patbob_322 Start: 190682, Stop: 190939, Start Num: 2
Candidate Starts for Patbob_322:
(1, 190676), (Start: 2 @190682 has 2 MA's), (3, 190715), (4, 190781), (5, 190802), (6, 190829), (7, 190916),

Gene: Racecar_37 Start: 16258, Stop: 16515, Start Num: 2
Candidate Starts for Racecar_37:
(1, 16252), (Start: 2 @16258 has 2 MA's), (3, 16291), (4, 16357), (5, 16378), (6, 16405), (7, 16492),

Gene: Racecar_326 Start: 189967, Stop: 190224, Start Num: 2
Candidate Starts for Racecar_326:
(1, 189961), (Start: 2 @189967 has 2 MA's), (3, 190000), (4, 190066), (5, 190087), (6, 190114), (7, 190201),

Gene: Talia1610_324 Start: 190152, Stop: 190409, Start Num: 2
Candidate Starts for Talia1610_324:
(1, 190146), (Start: 2 @190152 has 2 MA's), (3, 190185), (4, 190251), (5, 190272), (6, 190299), (7, 190386),

Gene: Talia1610_37 Start: 15680, Stop: 15937, Start Num: 2
Candidate Starts for Talia1610_37:
(1, 15674), (Start: 2 @15680 has 2 MA's), (3, 15713), (4, 15779), (5, 15800), (6, 15827), (7, 15914),