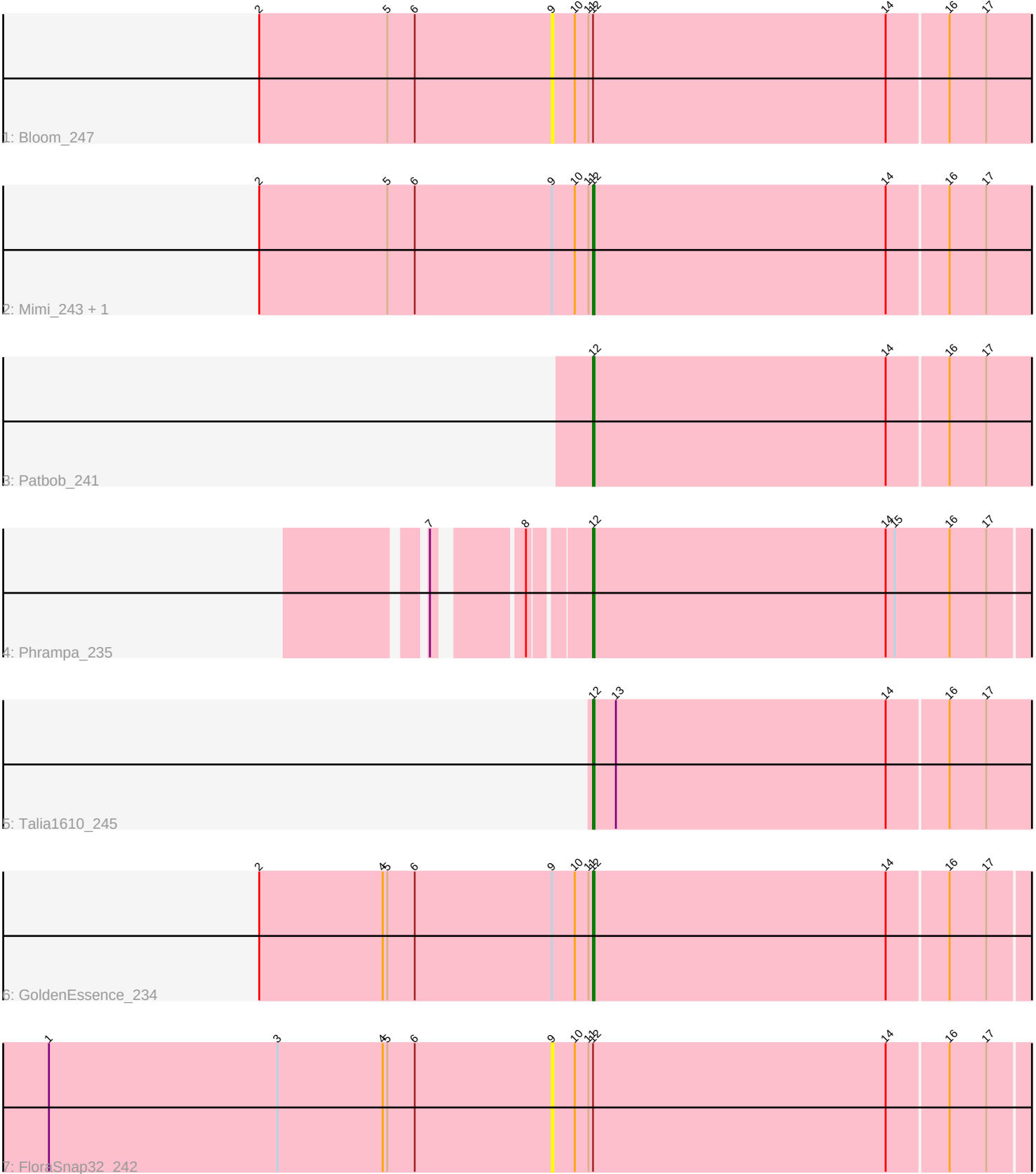


Pham 331562



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 331562 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331562 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bloom_247
- Track 2 : Mimi_243, Racecar_245
- Track 3 : Patbob_241
- Track 4 : Phrampa_235
- Track 5 : Talia1610_245
- Track 6 : GoldenEssence_234
- Track 7 : FloraSnap32_242

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

The start number called the most often in the published annotations is 12, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GoldenEssence_234, Mimi_243, Patbob_241, Phrampa_235, Racecar_245, Talia1610_245,

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

- Bloom_247, FloraSnap32_242,

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

•

Summary by start number:

Start 9:

- Found in 5 of 8 (62.5%) of genes in pham
- No Manual Annotations of this start.
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Bloom_247 (FC), FloraSnap32_242 (FC),

Start 12:

- Found in 8 of 8 (100.0%) of genes in pham

- Manual Annotations of this start: 6 of 6
- Called 75.0% of time when present
- Phage (with cluster) where this start called: GoldenEssence_234 (FC), Mimi_243 (FC), Patbob_241 (FC), Phrampa_235 (FC), Racecar_245 (FC), Talia1610_245 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 12 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Bloom_247 Start: 157245, Stop: 157580, Start Num: 9

Candidate Starts for Bloom_247:

(2, 157053), (5, 157137), (6, 157155), (9, 157245), (10, 157260), (11, 157269), (Start: 12 @157272 has 6 MA's), (14, 157464), (16, 157503), (17, 157527),

Gene: FloraSnap32_242 Start: 156003, Stop: 156335, Start Num: 9

Candidate Starts for FloraSnap32_242:

(1, 155673), (3, 155823), (4, 155892), (5, 155895), (6, 155913), (9, 156003), (10, 156018), (11, 156027), (Start: 12 @156030 has 6 MA's), (14, 156222), (16, 156261), (17, 156285),

Gene: GoldenEssence_234 Start: 151441, Stop: 151746, Start Num: 12

Candidate Starts for GoldenEssence_234:

(2, 151222), (4, 151303), (5, 151306), (6, 151324), (9, 151414), (10, 151429), (11, 151438), (Start: 12 @151441 has 6 MA's), (14, 151633), (16, 151672), (17, 151696),

Gene: Mimi_243 Start: 156647, Stop: 156955, Start Num: 12

Candidate Starts for Mimi_243:

(2, 156428), (5, 156512), (6, 156530), (9, 156620), (10, 156635), (11, 156644), (Start: 12 @156647 has 6 MA's), (14, 156839), (16, 156878), (17, 156902),

Gene: Patbob_241 Start: 157013, Stop: 157321, Start Num: 12

Candidate Starts for Patbob_241:

(Start: 12 @157013 has 6 MA's), (14, 157205), (16, 157244), (17, 157268),

Gene: Phrampa_235 Start: 157988, Stop: 158296, Start Num: 12

Candidate Starts for Phrampa_235:

(7, 157904), (8, 157952), (Start: 12 @157988 has 6 MA's), (14, 158180), (15, 158186), (16, 158222), (17, 158246),

Gene: Racecar_245 Start: 157026, Stop: 157334, Start Num: 12

Candidate Starts for Racecar_245:

(2, 156807), (5, 156891), (6, 156909), (9, 156999), (10, 157014), (11, 157023), (Start: 12 @157026 has 6 MA's), (14, 157218), (16, 157257), (17, 157281),

Gene: Talia1610_245 Start: 157304, Stop: 157612, Start Num: 12

Candidate Starts for Talia1610_245:

(Start: 12 @157304 has 6 MA's), (13, 157319), (14, 157496), (16, 157535), (17, 157559),

