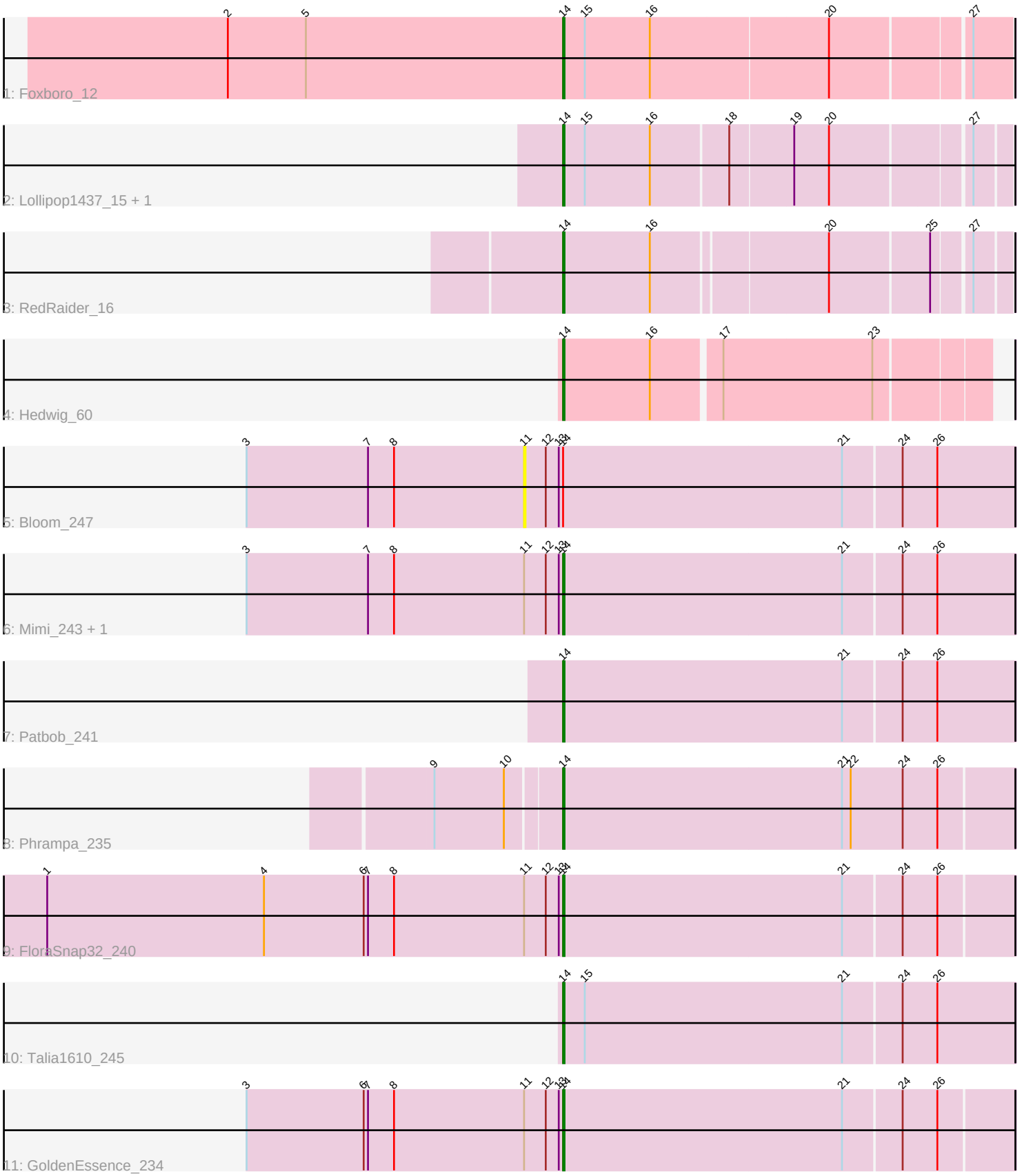
Pham 348181


1: Foxboro_12
2: Lollipop1437_15 + 1
3: RedRaider_16
4: Hedwig_60
5: Bloom_247
6: Mimi_243 + 1
7: Patbob_241
8: Phrampa_235
9: FloraSnap32_240
10: Talia1610_245
11: GoldenEssence_234

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 348181 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348181 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Foxboro_12
• Track 2 : Lollipop1437_15, Ennea_16
• Track 3 : RedRaider_16
• Track 4 : Hedwig_60
• Track 5 : Bloom_247
• Track 6 : Mimi_243, Racecar_245
• Track 7 : Patbob_241
• Track 8 : Phrampa_235
• Track 9 : FloraSnap32_240
• Track 10 : Talia1610_245
• Track 11 : GoldenEssence_234

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

The start number called the most often in the published annotations is 14, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ennea_16, FloraSnap32_240, Foxboro_12, GoldenEssence_234, Hedwig_60, Lollipop1437_15, Mimi_243, Patbob_241, Phrampa_235, Racecar_245, RedRaider_16, Talia1610_245,

Genes that have the "Most Annotated" start but do not call it:
• Bloom_247,

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

Summary by start number:

Start 11:
• Found in 5 of 13 (38.5%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present

• Phage (with cluster) where this start called: Bloom_247 (FC),

Start 14:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Ennea_16 (CR3), FloraSnap32_240 (FC), Foxboro_12 (CR2), GoldenEssence_234 (FC), Hedwig_60 (DB), Lollipop1437_15 (CR3), Mimi_243 (FC), Patbob_241 (FC), Phrampa_235 (FC), Racecar_245 (FC), RedRaider_16 (CR3), Talia1610_245 (FC),

Summary by clusters:

There are 4 clusters represented in this pham: CR2, CR3, FC, DB,

Info for manual annotations of cluster CR2:
•Start number 14 was manually annotated 1 time for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 14 was manually annotated 3 times for cluster CR3.

Info for manual annotations of cluster DB:
•Start number 14 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster FC:
•Start number 14 was manually annotated 7 times for cluster FC.

Gene Information:

Gene: Bloom_247 Start: 157245, Stop: 157580, Start Num: 11
Candidate Starts for Bloom_247:
(3, 157053), (7, 157137), (8, 157155), (11, 157245), (12, 157260), (13, 157269), (Start: 14 @157272 has 12 MA's), (21, 157464), (24, 157503), (26, 157527),

Gene: Ennea_16 Start: 8104, Stop: 8394, Start Num: 14
Candidate Starts for Ennea_16:
(Start: 14 @8104 has 12 MA's), (15, 8119), (16, 8164), (18, 8215), (19, 8257), (20, 8281), (27, 8371),

Gene: FloraSnap32_240 Start: 156030, Stop: 156335, Start Num: 14
Candidate Starts for FloraSnap32_240:
(1, 155673), (4, 155823), (6, 155892), (7, 155895), (8, 155913), (11, 156003), (12, 156018), (13, 156027), (Start: 14 @156030 has 12 MA's), (21, 156222), (24, 156261), (26, 156285),

Gene: Foxboro_12 Start: 7011, Stop: 7307, Start Num: 14
Candidate Starts for Foxboro_12:
(2, 6780), (5, 6834), (Start: 14 @7011 has 12 MA's), (15, 7026), (16, 7071), (20, 7191), (27, 7281),

Gene: GoldenEssence_234 Start: 151441, Stop: 151746, Start Num: 14
Candidate Starts for GoldenEssence_234:
(3, 151222), (6, 151303), (7, 151306), (8, 151324), (11, 151414), (12, 151429), (13, 151438), (Start: 14 @151441 has 12 MA's), (21, 151633), (24, 151672), (26, 151696),

Gene: Hedwig_60 Start: 39430, Stop: 39711, Start Num: 14
Candidate Starts for Hedwig_60:
(Start: 14 @39430 has 12 MA's), (16, 39490), (17, 39535), (23, 39637),

Gene: Lollipop1437_15 Start: 8092, Stop: 8382, Start Num: 14
Candidate Starts for Lollipop1437_15:
(Start: 14 @8092 has 12 MA's), (15, 8107), (16, 8152), (18, 8203), (19, 8245), (20, 8269), (27, 8359),

Gene: Mimi_243 Start: 156647, Stop: 156955, Start Num: 14
Candidate Starts for Mimi_243:
(3, 156428), (7, 156512), (8, 156530), (11, 156620), (12, 156635), (13, 156644), (Start: 14 @156647 has 12 MA's), (21, 156839), (24, 156878), (26, 156902),

Gene: Patbob_241 Start: 157013, Stop: 157321, Start Num: 14
Candidate Starts for Patbob_241:
(Start: 14 @157013 has 12 MA's), (21, 157205), (24, 157244), (26, 157268),

Gene: Phrampa_235 Start: 157988, Stop: 158296, Start Num: 14
Candidate Starts for Phrampa_235:
(9, 157904), (10, 157952), (Start: 14 @157988 has 12 MA's), (21, 158180), (22, 158186), (24, 158222), (26, 158246),

Gene: Racecar_245 Start: 157026, Stop: 157334, Start Num: 14
Candidate Starts for Racecar_245:
(3, 156807), (7, 156891), (8, 156909), (11, 156999), (12, 157014), (13, 157023), (Start: 14 @157026 has 12 MA's), (21, 157218), (24, 157257), (26, 157281),

Gene: RedRaider_16 Start: 8019, Stop: 8306, Start Num: 14
Candidate Starts for RedRaider_16:
(Start: 14 @8019 has 12 MA's), (16, 8079), (20, 8193), (25, 8259), (27, 8283),

Gene: Talia1610_245 Start: 157304, Stop: 157612, Start Num: 14
Candidate Starts for Talia1610_245:
(Start: 14 @157304 has 12 MA's), (15, 157319), (21, 157496), (24, 157535), (26, 157559),