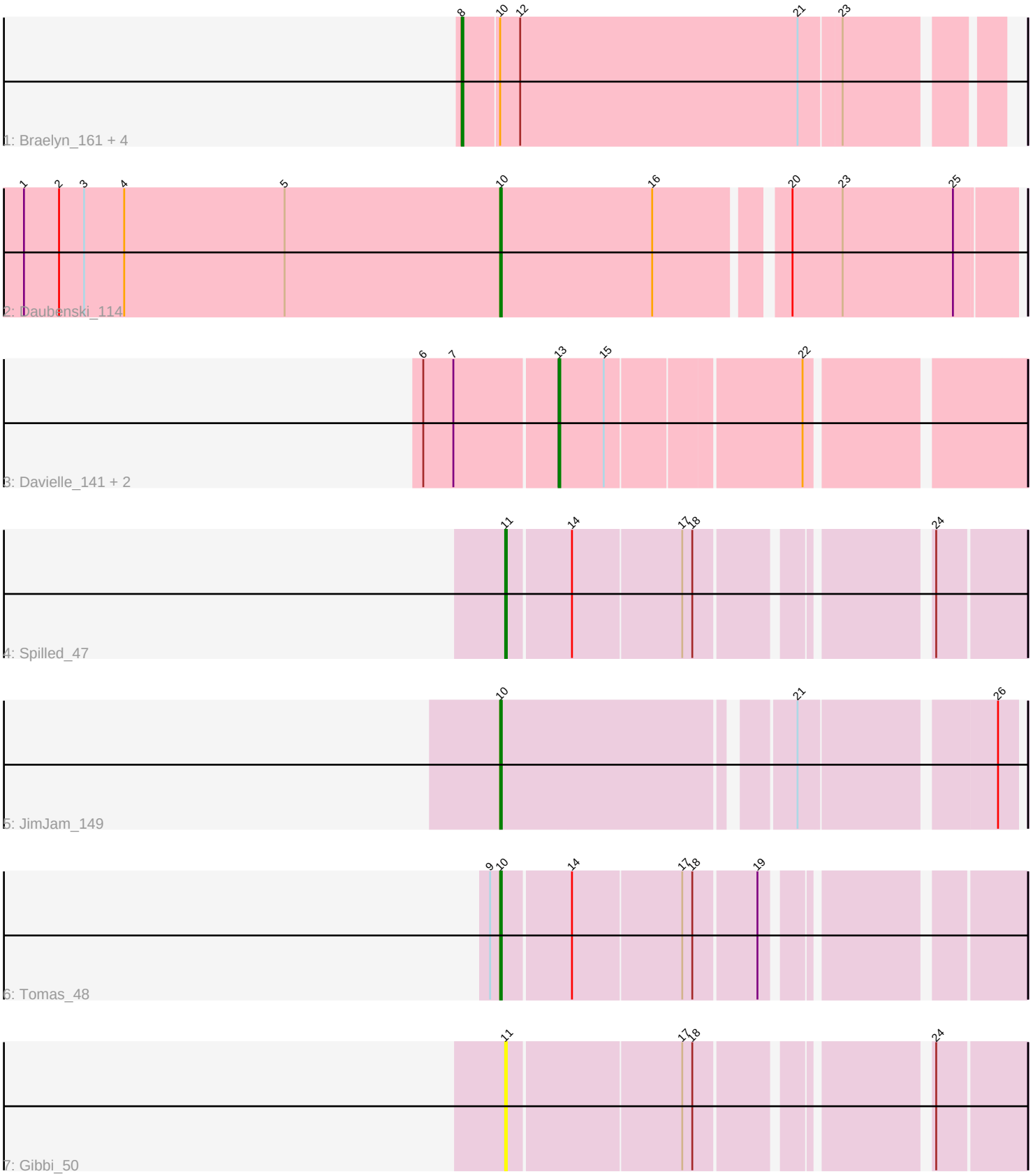
Pham 348172


8
10
12
21
23
1: Braelyn_161 + 4
1
2
3
4
5
10
16
20
23
25
2: Daubenski_114
6
7
13
15
22
3: Davielle_141 + 2
11
14
17
18
24
4: Spilled_47
10
21
26
5: JimJam_149
9
10
14
17
18
19
6: Tomas_48
11
17
18
24
7: Gibbi_50

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 348172 Report

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

Pham number 348172 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Braelyn_161, Davielle_159, WhereRU_158, Persimmon_159, Navo_157
• Track 2 : Daubenski_114
• Track 3 : Davielle_141, WhereRU_140, Persimmon_141
• Track 4 : Spilled_47
• Track 5 : JimJam_149
• Track 6 : Tomas_48
• Track 7 : Gibbi_50

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Braelyn_161, Davielle_159, Navo_157, Persimmon_159, WhereRU_158,

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

Genes that do not have the "Most Annotated" start:
• Daubenski_114, Davielle_141, Gibbi_50, JimJam_149, Persimmon_141, Spilled_47, Tomas_48, WhereRU_140,

Summary by start number:

Start 8:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Braelyn_161 (BE1), Davielle_159 (BE1), Navo_157 (BE1), Persimmon_159 (BE1), WhereRU_158 (BE1),

Start 10:
• Found in 8 of 13 (61.5%) of genes in pham

• Manual Annotations of this start: 3 of 12
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Daubenski_114 (BE1), JimJam_149 (BE2), Tomas_48 (BE2),

Start 11:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gibbi_50 (BE2), Spilled_47 (BE2),

Start 13:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Davielle_141 (BE1), Persimmon_141 (BE1), WhereRU_140 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 8 was manually annotated 5 times for cluster BE1.
•Start number 10 was manually annotated 1 time for cluster BE1.
•Start number 13 was manually annotated 3 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 10 was manually annotated 2 times for cluster BE2.
•Start number 11 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Braelyn_161 Start: 91079, Stop: 91384, Start Num: 8
Candidate Starts for Braelyn_161:
(Start: 8 @91079 has 5 MA's), (Start: 10 @91100 has 3 MA's), (12, 91112), (21, 91277), (23, 91301),

Gene: Daubenski_114 Start: 77002, Stop: 77292, Start Num: 10
Candidate Starts for Daubenski_114:
(1, 76717), (2, 76738), (3, 76753), (4, 76777), (5, 76873), (Start: 10 @77002 has 3 MA's), (16, 77092), (20, 77161), (23, 77191), (25, 77257),

Gene: Davielle_141 Start: 86167, Stop: 86424, Start Num: 13
Candidate Starts for Davielle_141:
(6, 86089), (7, 86107), (Start: 13 @86167 has 3 MA's), (15, 86194), (22, 86305),

Gene: Davielle_159 Start: 90528, Stop: 90833, Start Num: 8
Candidate Starts for Davielle_159:
(Start: 8 @90528 has 5 MA's), (Start: 10 @90549 has 3 MA's), (12, 90561), (21, 90726), (23, 90750),

Gene: Gibbi_50 Start: 22359, Stop: 22634, Start Num: 11

Candidate Starts for Gibbi_50:
(Start: 11 @22359 has 1 MA's), (17, 22458), (18, 22464), (24, 22584),

Gene: JimJam_149 Start: 86635, Stop: 86916, Start Num: 10
Candidate Starts for JimJam_149:
(Start: 10 @86635 has 3 MA's), (21, 86797), (26, 86905),

Gene: Navo_157 Start: 90460, Stop: 90765, Start Num: 8
Candidate Starts for Navo_157:
(Start: 8 @90460 has 5 MA's), (Start: 10 @90481 has 3 MA's), (12, 90493), (21, 90658), (23, 90682),

Gene: Persimmon_141 Start: 85415, Stop: 85672, Start Num: 13
Candidate Starts for Persimmon_141:
(6, 85337), (7, 85355), (Start: 13 @85415 has 3 MA's), (15, 85442), (22, 85553),

Gene: Persimmon_159 Start: 89776, Stop: 90081, Start Num: 8
Candidate Starts for Persimmon_159:
(Start: 8 @89776 has 5 MA's), (Start: 10 @89797 has 3 MA's), (12, 89809), (21, 89974), (23, 89998),

Gene: Spilled_47 Start: 22319, Stop: 22594, Start Num: 11
Candidate Starts for Spilled_47:
(Start: 11 @22319 has 1 MA's), (14, 22355), (17, 22418), (18, 22424), (24, 22544),

Gene: Tomas_48 Start: 24558, Stop: 24836, Start Num: 10
Candidate Starts for Tomas_48:
(9, 24552), (Start: 10 @24558 has 3 MA's), (14, 24597), (17, 24660), (18, 24666), (19, 24702),

Gene: WhereRU_140 Start: 86167, Stop: 86424, Start Num: 13
Candidate Starts for WhereRU_140:
(6, 86089), (7, 86107), (Start: 13 @86167 has 3 MA's), (15, 86194), (22, 86305),

Gene: WhereRU_158 Start: 90528, Stop: 90833, Start Num: 8
Candidate Starts for WhereRU_158:
(Start: 8 @90528 has 5 MA's), (Start: 10 @90549 has 3 MA's), (12, 90561), (21, 90726), (23, 90750),