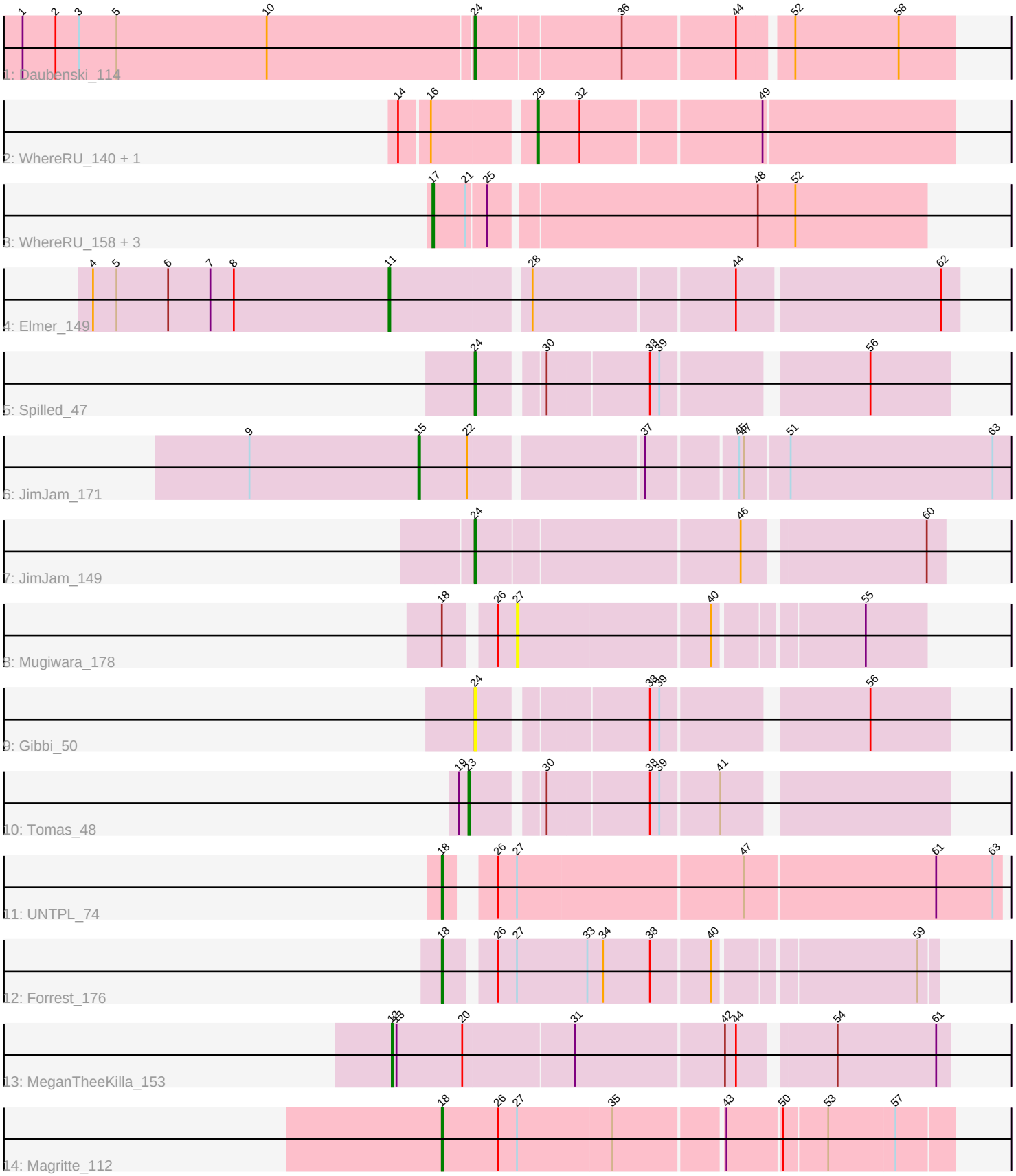
Pham 196891


1: Daubenski_114
2: WhereRU_140 + 1
3: WhereRU_158 + 3
4: Elmer_149
5: Spilled_47
6: JimJam_171
7: JimJam_149
8: Mugiwara_178
9: Gibbi_50
10: Tomas_48
11: UNTPL_74
12: Forrest_176
13: MeganTheeKilla_153
14: Magritte_112

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 196891 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196891 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Daubenski_114
• Track 2 : WhereRU_140, Persimmon_141
• Track 3 : WhereRU_158, Braelyn_161, Persimmon_159, Navo_157
• Track 4 : Elmer_149
• Track 5 : Spilled_47
• Track 6 : JimJam_171
• Track 7 : JimJam_149
• Track 8 : Mugiwara_178
• Track 9 : Gibbi_50
• Track 10 : Tomas_48
• Track 11 : UNTPL_74
• Track 12 : Forrest_176
• Track 13 : MeganTheeKilla_153
• Track 14 : Magritte_112

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

The start number called the most often in the published annotations is 17, it was called in 4 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Braelyn_161, 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, Elmer_149, Forrest_176, Gibbi_50, JimJam_149, JimJam_171, Magritte_112, MeganTheeKilla_153, Mugiwara_178, Persimmon_141, Spilled_47, Tomas_48, UNTPL_74, WhereRU_140,

Summary by start number:

Start 11:

• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elmer_149 (BE2),

Start 12:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MeganTheeKilla_153 (BK1),

Start 15:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JimJam_171 (BE2),

Start 17:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 4 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Braelyn_161 (BE1), Navo_157 (BE1), Persimmon_159 (BE1), WhereRU_158 (BE1),

Start 18:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Forrest_176 (BK1), Magritte_112 (singleton), UNTPL_74 (BH),

Start 23:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tomas_48 (BE2),

Start 24:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daubenski_114 (BE1), Gibbi_50 (BE2), JimJam_149 (BE2), Spilled_47 (BE2),

Start 27:
• Found in 4 of 18 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Mugiwara_178 (BE2),

Start 29:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 16

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Persimmon_141 (BE1), WhereRU_140 (BE1),

Summary by clusters:

There are 5 clusters represented in this pham: BE2, singleton, BE1, BH, BK1,

Info for manual annotations of cluster BE1:
•Start number 17 was manually annotated 4 times for cluster BE1.
•Start number 24 was manually annotated 1 time for cluster BE1.
•Start number 29 was manually annotated 2 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 11 was manually annotated 1 time for cluster BE2.
•Start number 15 was manually annotated 1 time for cluster BE2.
•Start number 23 was manually annotated 1 time for cluster BE2.
•Start number 24 was manually annotated 2 times for cluster BE2.

Info for manual annotations of cluster BH:
•Start number 18 was manually annotated 1 time for cluster BH.

Info for manual annotations of cluster BK1:
•Start number 12 was manually annotated 1 time for cluster BK1.
•Start number 18 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Braelyn_161 Start: 91079, Stop: 91384, Start Num: 17
Candidate Starts for Braelyn_161:
(Start: 17 @91079 has 4 MA's), (21, 91100), (25, 91112), (48, 91277), (52, 91301),

Gene: Daubenski_114 Start: 77002, Stop: 77292, Start Num: 24
Candidate Starts for Daubenski_114:
(1, 76717), (2, 76738), (3, 76753), (5, 76777), (10, 76873), (Start: 24 @77002 has 3 MA's), (36, 77092), (44, 77161), (52, 77191), (58, 77257),

Gene: Elmer_149 Start: 88649, Stop: 88993, Start Num: 11
Candidate Starts for Elmer_149:
(4, 88460), (5, 88475), (6, 88508), (7, 88535), (8, 88550), (Start: 11 @88649 has 1 MA's), (28, 88733), (44, 88856), (62, 88982),

Gene: Forrest_176 Start: 93990, Stop: 94280, Start Num: 18
Candidate Starts for Forrest_176:
(Start: 18 @93990 has 3 MA's), (26, 94017), (27, 94029), (33, 94074), (34, 94083), (38, 94113), (40, 94149), (59, 94269),

Gene: Gibbi_50 Start: 22359, Stop: 22634, Start Num: 24
Candidate Starts for Gibbi_50:
(Start: 24 @22359 has 3 MA's), (38, 22458), (39, 22464), (56, 22584),

Gene: JimJam_171 Start: 92515, Stop: 92871, Start Num: 15
Candidate Starts for JimJam_171:
(9, 92407), (Start: 15 @92515 has 1 MA's), (22, 92545), (37, 92647), (45, 92701), (47, 92704), (51, 92731), (63, 92860),

Gene: JimJam_149 Start: 86635, Stop: 86916, Start Num: 24
Candidate Starts for JimJam_149:
(Start: 24 @86635 has 3 MA's), (46, 86797), (60, 86905),

Gene: Magritte_112 Start: 72994, Stop: 73305, Start Num: 18
Candidate Starts for Magritte_112:
(Start: 18 @72994 has 3 MA's), (26, 73030), (27, 73042), (35, 73102), (43, 73168), (50, 73201), (53, 73228), (57, 73270),

Gene: MeganTheeKilla_153 Start: 84120, Stop: 84458, Start Num: 12
Candidate Starts for MeganTheeKilla_153:
(Start: 12 @84120 has 1 MA's), (13, 84123), (20, 84165), (31, 84234), (42, 84327), (44, 84333), (54, 84387), (61, 84450),

Gene: Mugiwara_178 Start: 93339, Stop: 93584, Start Num: 27
Candidate Starts for Mugiwara_178:
(Start: 18 @93300 has 3 MA's), (26, 93327), (27, 93339), (40, 93459), (55, 93546),

Gene: Navo_157 Start: 90460, Stop: 90765, Start Num: 17
Candidate Starts for Navo_157:
(Start: 17 @90460 has 4 MA's), (21, 90481), (25, 90493), (48, 90658), (52, 90682),

Gene: Persimmon_141 Start: 85415, Stop: 85672, Start Num: 29
Candidate Starts for Persimmon_141:
(14, 85337), (16, 85355), (Start: 29 @85415 has 2 MA's), (32, 85442), (49, 85553),

Gene: Persimmon_159 Start: 89776, Stop: 90081, Start Num: 17
Candidate Starts for Persimmon_159:
(Start: 17 @89776 has 4 MA's), (21, 89797), (25, 89809), (48, 89974), (52, 89998),

Gene: Spilled_47 Start: 22319, Stop: 22594, Start Num: 24
Candidate Starts for Spilled_47:
(Start: 24 @22319 has 3 MA's), (30, 22355), (38, 22418), (39, 22424), (56, 22544),

Gene: Tomas_48 Start: 24558, Stop: 24836, Start Num: 23
Candidate Starts for Tomas_48:
(19, 24552), (Start: 23 @24558 has 1 MA's), (30, 24597), (38, 24660), (39, 24666), (41, 24702),

Gene: UNTPL_74 Start: 50402, Stop: 50737, Start Num: 18
Candidate Starts for UNTPL_74:
(Start: 18 @50402 has 3 MA's), (26, 50423), (27, 50435), (47, 50576), (61, 50696), (63, 50732),

Gene: WhereRU_140 Start: 86167, Stop: 86424, Start Num: 29
Candidate Starts for WhereRU_140:
(14, 86089), (16, 86107), (Start: 29 @86167 has 2 MA's), (32, 86194), (49, 86305),

Gene: WhereRU_158 Start: 90528, Stop: 90833, Start Num: 17
Candidate Starts for WhereRU_158:

(Start: 17 @90528 has 4 MA's), (21, 90549), (25, 90561), (48, 90726), (52, 90750),