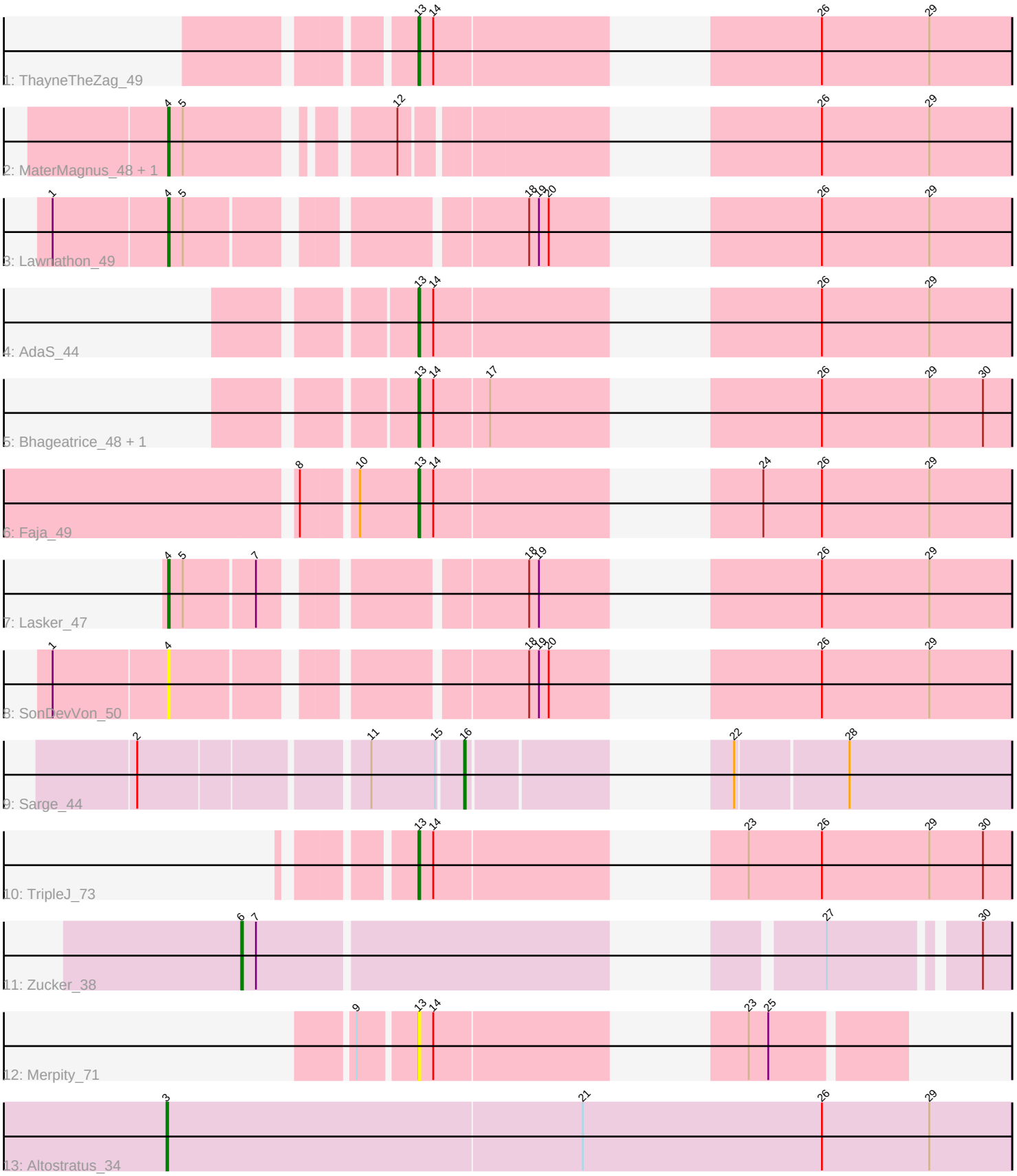
Pham 348141


1: ThayneTheZag_49
2: MaterMagnus_48 + 1
3: Lawnathon_49
4: AdaS_44
5: Bhageatrice_48 + 1
6: Faja_49
7: Lasker_47
8: SonDevVon_50
9: Sarge_44
10: TripleJ_73
11: Zucker_38
12: Merpity_71
13: Altostratus_34

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 348141 Report

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

Pham number 348141 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ThayneTheZag_49
• Track 2 : MaterMagnus_48, Aikyam_46
• Track 3 : Lawnathon_49
• Track 4 : AdaS_44
• Track 5 : Bhageatrice_48, Crescenzo_47
• Track 6 : Faja_49
• Track 7 : Lasker_47
• Track 8 : SonDevVon_50
• Track 9 : Sarge_44
• Track 10 : TripleJ_73
• Track 11 : Zucker_38
• Track 12 : Merpity_71
• Track 13 : Altostratus_34

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

The start number called the most often in the published annotations is 13, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AdaS_44, Bhageatrice_48, Crescenzo_47, Faja_49, Merpity_71, ThayneTheZag_49, TripleJ_73,

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

Genes that do not have the "Most Annotated" start:
• Aikyam_46, Altostratus_34, Lasker_47, Lawnathon_49, MaterMagnus_48, Sarge_44, SonDevVon_50, Zucker_38,

Summary by start number:

Start 3:
• Found in 1 of 15 (6.7%) 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: Altostratus_34 (FS),

Start 4:
• Found in 5 of 15 (33.3%) 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: Aikyam_46 (AY), Lasker_47 (AY), Lawnathon_49 (AY), MaterMagnus_48 (AY), SonDevVon_50 (AY),

Start 6:
• Found in 1 of 15 (6.7%) 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: Zucker_38 (FN),

Start 13:
• Found in 7 of 15 (46.7%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdaS_44 (AY), Bhageatrice_48 (AY), Crescenzo_47 (AY), Faja_49 (AY), Merpity_71 (FQ1), ThayneTheZag_49 (AY), TripleJ_73 (FJ),

Start 16:
• Found in 1 of 15 (6.7%) 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: Sarge_44 (FB),

Summary by clusters:

There are 6 clusters represented in this pham: FS, FB, AY, FJ, FQ1, FN,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 3 times for cluster AY.
•Start number 13 was manually annotated 5 times for cluster AY.

Info for manual annotations of cluster FB:
•Start number 16 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FJ:
•Start number 13 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FN:
•Start number 6 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster FS:
•Start number 3 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: AdaS_44 Start: 28504, Stop: 28803, Start Num: 13
Candidate Starts for AdaS_44:
(Start: 13 @28504 has 6 MA's), (14, 28513), (26, 28687), (29, 28753),

Gene: Aikyam_46 Start: 27868, Stop: 28284, Start Num: 4
Candidate Starts for Aikyam_46:
(Start: 4 @27868 has 3 MA's), (5, 27877), (12, 27982), (26, 28168), (29, 28234),

Gene: Altostratus_34 Start: 24188, Stop: 23673, Start Num: 3
Candidate Starts for Altostratus_34:
(Start: 3 @24188 has 1 MA's), (21, 23936), (26, 23789), (29, 23723),

Gene: Bhageatrice_48 Start: 31728, Stop: 32027, Start Num: 13
Candidate Starts for Bhageatrice_48:
(Start: 13 @31728 has 6 MA's), (14, 31737), (17, 31770), (26, 31911), (29, 31977), (30, 32010),

Gene: Crescenzo_47 Start: 30815, Stop: 31114, Start Num: 13
Candidate Starts for Crescenzo_47:
(Start: 13 @30815 has 6 MA's), (14, 30824), (17, 30857), (26, 30998), (29, 31064), (30, 31097),

Gene: Faja_49 Start: 31772, Stop: 32071, Start Num: 13
Candidate Starts for Faja_49:
(8, 31706), (10, 31736), (Start: 13 @31772 has 6 MA's), (14, 31781), (24, 31919), (26, 31955), (29, 32021),

Gene: Lasker_47 Start: 30286, Stop: 30708, Start Num: 4
Candidate Starts for Lasker_47:
(Start: 4 @30286 has 3 MA's), (5, 30295), (7, 30337), (18, 30475), (19, 30481), (26, 30592), (29, 30658),

Gene: Lawnathon_49 Start: 30170, Stop: 30592, Start Num: 4
Candidate Starts for Lawnathon_49:
(1, 30101), (Start: 4 @30170 has 3 MA's), (5, 30179), (18, 30359), (19, 30365), (20, 30371), (26, 30476), (29, 30542),

Gene: MaterMagnus_48 Start: 30040, Stop: 30456, Start Num: 4
Candidate Starts for MaterMagnus_48:
(Start: 4 @30040 has 3 MA's), (5, 30049), (12, 30154), (26, 30340), (29, 30406),

Gene: Merpity_71 Start: 37923, Stop: 38150, Start Num: 13
Candidate Starts for Merpity_71:
(9, 37890), (Start: 13 @37923 has 6 MA's), (14, 37932), (23, 38061), (25, 38073),

Gene: Sarge_44 Start: 27015, Stop: 27275, Start Num: 16
Candidate Starts for Sarge_44:
(2, 26832), (11, 26961), (15, 27000), (Start: 16 @27015 has 1 MA's), (22, 27111), (28, 27177),

Gene: SonDevVon_50 Start: 30319, Stop: 30741, Start Num: 4
Candidate Starts for SonDevVon_50:
(1, 30250), (Start: 4 @30319 has 3 MA's), (18, 30508), (19, 30514), (20, 30520), (26, 30625), (29, 30691),

Gene: ThayneTheZag_49 Start: 30180, Stop: 30479, Start Num: 13
Candidate Starts for ThayneTheZag_49:
(Start: 13 @30180 has 6 MA's), (14, 30189), (26, 30363), (29, 30429),

Gene: TripleJ_73 Start: 41236, Stop: 41535, Start Num: 13
Candidate Starts for TripleJ_73:
(Start: 13 @41236 has 6 MA's), (14, 41245), (23, 41374), (26, 41419), (29, 41485), (30, 41518),

Gene: Zucker_38 Start: 28357, Stop: 28737, Start Num: 6
Candidate Starts for Zucker_38:
(Start: 6 @28357 has 1 MA's), (7, 28366), (27, 28639), (30, 28720),