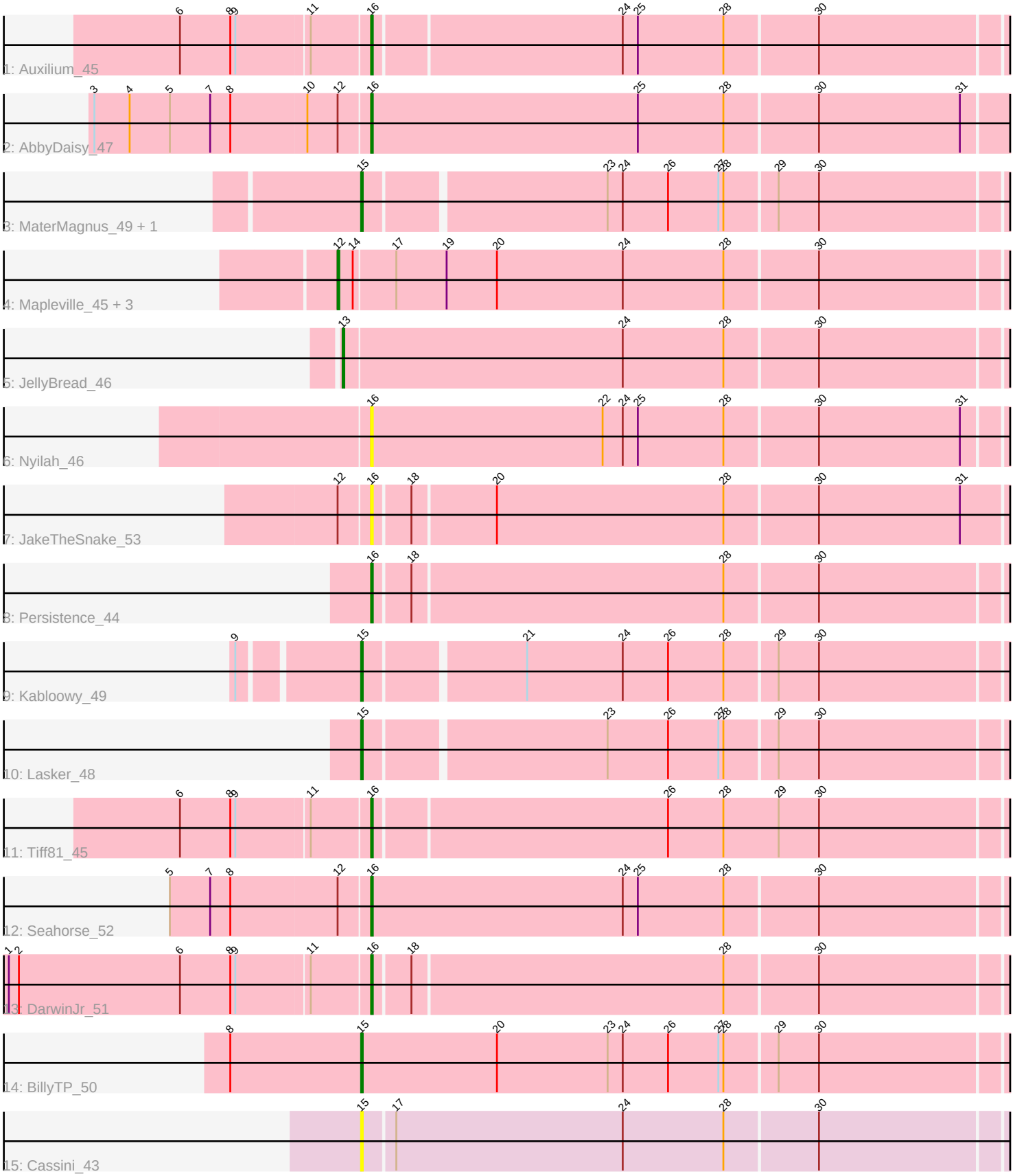
Pham 309339


1: Auxilium_45
2: AbbyDaisy_47
3: MaterMagnus_49 + 1
4: Mapleville_45 + 3
5: JellyBread_46
6: Nyilah_46
7: JakeTheSnake_53
8: Persistence_44
9: Kabloowy_49
10: Lasker_48
11: Tiff81_45
12: Seahorse_52
13: DarwinJr_51
14: BillyTP_50
15: Cassini_43

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 309339 Report

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

Pham number 309339 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Auxilium_45
• Track 2 : AbbyDaisy_47
• Track 3 : MaterMagnus_49, Aikyam_47
• Track 4 : Mapleville_45, Isolde_48, Raphaella_48, YoungHarleezy_49
• Track 5 : JellyBread_46
• Track 6 : Nyilah_46
• Track 7 : JakeTheSnake_53
• Track 8 : Persistence_44
• Track 9 : Kabloowy_49
• Track 10 : Lasker_48
• Track 11 : Tiff81_45
• Track 12 : Seahorse_52
• Track 13 : DarwinJr_51
• Track 14 : BillyTP_50
• Track 15 : Cassini_43

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

The start number called the most often in the published annotations is 16, it was called in 6 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_47, Auxilium_45, DarwinJr_51, JakeTheSnake_53, Nyilah_46, Persistence_44, Seahorse_52, Tiff81_45,

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

Genes that do not have the "Most Annotated" start:
• Aikyam_47, BillyTP_50, Cassini_43, Isolde_48, JellyBread_46, Kabloowy_49, Lasker_48, Mapleville_45, MaterMagnus_49, Raphaella_48, YoungHarleezy_49,

Summary by start number:

Start 12:
• Found in 7 of 19 (36.8%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Isolde_48 (AY), Mapleville_45 (AY), Raphaella_48 (AY), YoungHarleezy_49 (AY),

Start 13:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JellyBread_46 (AY),

Start 15:
• Found in 6 of 19 (31.6%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_47 (AY), BillyTP_50 (AY), Cassini_43 (FN), Kabloowy_49 (AY), Lasker_48 (AY), MaterMagnus_49 (AY),

Start 16:
• Found in 8 of 19 (42.1%) of genes in pham
• Manual Annotations of this start: 6 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_47 (AY), Auxilium_45 (AY), DarwinJr_51 (AY), JakeTheSnake_53 (AY), Nyilah_46 (AY), Persistence_44 (AY), Seahorse_52 (AY), Tiff81_45 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:
•Start number 12 was manually annotated 4 times for cluster AY.
•Start number 13 was manually annotated 1 time for cluster AY.
•Start number 15 was manually annotated 4 times for cluster AY.
•Start number 16 was manually annotated 6 times for cluster AY.

Gene Information:

Gene: AbbyDaisy_47 Start: 30662, Stop: 31039, Start Num: 16
Candidate Starts for AbbyDaisy_47:
(3, 30500), (4, 30521), (5, 30545), (7, 30569), (8, 30581), (10, 30626), (Start: 12 @30644 has 4 MA's), (Start: 16 @30662 has 6 MA's), (25, 30821), (28, 30872), (30, 30926), (31, 31010),

Gene: Aikyam_47 Start: 28281, Stop: 28652, Start Num: 15
Candidate Starts for Aikyam_47:
(Start: 15 @28281 has 4 MA's), (23, 28419), (24, 28428), (26, 28455), (27, 28485), (28, 28488), (29, 28518), (30, 28542),

Gene: Auxilium_45 Start: 28077, Stop: 28445, Start Num: 16
Candidate Starts for Auxilium_45:
(6, 27969), (8, 27999), (9, 28002), (11, 28044), (Start: 16 @28077 has 6 MA's), (24, 28221), (25, 28230), (28, 28281), (30, 28335),

Gene: BillyTP_50 Start: 31459, Stop: 31839, Start Num: 15
Candidate Starts for BillyTP_50:
(8, 31381), (Start: 15 @31459 has 4 MA's), (20, 31540), (23, 31606), (24, 31615), (26, 31642), (27, 31672), (28, 31675), (29, 31705), (30, 31729),

Gene: Cassini_43 Start: 28827, Stop: 29204, Start Num: 15
Candidate Starts for Cassini_43:
(Start: 15 @28827 has 4 MA's), (17, 28845), (24, 28980), (28, 29040), (30, 29094),

Gene: DarwinJr_51 Start: 31477, Stop: 31845, Start Num: 16
Candidate Starts for DarwinJr_51:
(1, 31267), (2, 31273), (6, 31369), (8, 31399), (9, 31402), (11, 31444), (Start: 16 @31477 has 6 MA's), (18, 31498), (28, 31681), (30, 31735),

Gene: Isolde_48 Start: 30136, Stop: 30528, Start Num: 12
Candidate Starts for Isolde_48:
(Start: 12 @30136 has 4 MA's), (14, 30145), (17, 30169), (19, 30199), (20, 30229), (24, 30304), (28, 30364), (30, 30418),

Gene: JakeTheSnake_53 Start: 32024, Stop: 32395, Start Num: 16
Candidate Starts for JakeTheSnake_53:
(Start: 12 @32006 has 4 MA's), (Start: 16 @32024 has 6 MA's), (18, 32045), (20, 32093), (28, 32228), (30, 32282), (31, 32366),

Gene: JellyBread_46 Start: 29235, Stop: 29621, Start Num: 13
Candidate Starts for JellyBread_46:
(Start: 13 @29235 has 1 MA's), (24, 29400), (28, 29460), (30, 29514),

Gene: Kabloowy_49 Start: 31171, Stop: 31542, Start Num: 15
Candidate Starts for Kabloowy_49:
(9, 31105), (Start: 15 @31171 has 4 MA's), (21, 31261), (24, 31318), (26, 31345), (28, 31378), (29, 31408), (30, 31432),

Gene: Lasker_48 Start: 30705, Stop: 31076, Start Num: 15
Candidate Starts for Lasker_48:
(Start: 15 @30705 has 4 MA's), (23, 30843), (26, 30879), (27, 30909), (28, 30912), (29, 30942), (30, 30966),

Gene: Mapleville_45 Start: 29960, Stop: 30352, Start Num: 12
Candidate Starts for Mapleville_45:
(Start: 12 @29960 has 4 MA's), (14, 29969), (17, 29993), (19, 30023), (20, 30053), (24, 30128), (28, 30188), (30, 30242),

Gene: MaterMagnus_49 Start: 30453, Stop: 30824, Start Num: 15
Candidate Starts for MaterMagnus_49:
(Start: 15 @30453 has 4 MA's), (23, 30591), (24, 30600), (26, 30627), (27, 30657), (28, 30660), (29, 30690), (30, 30714),

Gene: Nyilah_46 Start: 28420, Stop: 28794, Start Num: 16
Candidate Starts for Nyilah_46:
(Start: 16 @28420 has 6 MA's), (22, 28558), (24, 28570), (25, 28579), (28, 28630), (30, 28684), (31, 28768),

Gene: Persistence_44 Start: 29226, Stop: 29594, Start Num: 16
Candidate Starts for Persistence_44:
(Start: 16 @29226 has 6 MA's), (18, 29247), (28, 29430), (30, 29484),

Gene: Raphaella_48 Start: 30068, Stop: 30460, Start Num: 12
Candidate Starts for Raphaella_48:
(Start: 12 @30068 has 4 MA's), (14, 30077), (17, 30101), (19, 30131), (20, 30161), (24, 30236), (28, 30296), (30, 30350),

Gene: Seahorse_52 Start: 32428, Stop: 32802, Start Num: 16
Candidate Starts for Seahorse_52:
(5, 32311), (7, 32335), (8, 32347), (Start: 12 @32410 has 4 MA's), (Start: 16 @32428 has 6 MA's), (24, 32578), (25, 32587), (28, 32638), (30, 32692),

Gene: Tiff81_45 Start: 28602, Stop: 28973, Start Num: 16
Candidate Starts for Tiff81_45:
(6, 28494), (8, 28524), (9, 28527), (11, 28569), (Start: 16 @28602 has 6 MA's), (26, 28773), (28, 28806), (29, 28839), (30, 28863),

Gene: YoungHarleezy_49 Start: 30634, Stop: 31026, Start Num: 12
Candidate Starts for YoungHarleezy_49:
(Start: 12 @30634 has 4 MA's), (14, 30643), (17, 30667), (19, 30697), (20, 30727), (24, 30802), (28, 30862), (30, 30916),