

Pham 309078



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 309078 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309078 has 27 members, 6 are drafts.

Phages represented in each track:

- Track 1 : NewKitty_48
- Track 2 : Lawnathon_47, Hillester_47, RadFad_47, SonDevVon_48
- Track 3 : Isolde_45
- Track 4 : CookieBear_46, MUWow_43, Raqqa_36, Windest_46
- Track 5 : Sporco_48
- Track 6 : Satrap_46, DarwinJr_47, AdaS_40
- Track 7 : MidnightRain_48, BlueShadow_45, Mapleville_42, BillyTP_48
- Track 8 : Bhageatrice_45
- Track 9 : AbbyDaisy_42
- Track 10 : MaterMagnus_45, Aikyam_43
- Track 11 : ThayneTheZag_46
- Track 12 : Seahorse_46
- Track 13 : LeBruni_44
- Track 14 : Lasker_44
- Track 15 : Zucker_93

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

The start number called the most often in the published annotations is 5, it was called in 19 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_42, AdaS_40, Aikyam_43, Bhageatrice_45, BillyTP_48, BlueShadow_45, CookieBear_46, DarwinJr_47, Hillester_47, Lasker_44, Lawnathon_47, LeBruni_44, MUWow_43, Mapleville_42, MaterMagnus_45, MidnightRain_48, NewKitty_48, RadFad_47, Raqqa_36, Satrap_46, Seahorse_46, SonDevVon_48, Sporco_48, ThayneTheZag_46, Windest_46,

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

- Isolde_45,

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

- Zucker_93,

Summary by start number:

Start 3:

- Found in 21 of 27 (77.8%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Isolde_45 (AY),

Start 4:

- Found in 1 of 27 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zucker_93 (FN),

Start 5:

- Found in 26 of 27 (96.3%) of genes in pham
- Manual Annotations of this start: 19 of 21
- Called 96.2% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_42 (AY), AdaS_40 (AY), Aikyam_43 (AY), Bhageatrice_45 (AY), BillyTP_48 (AY), BlueShadow_45 (AY), CookieBear_46 (AY), DarwinJr_47 (AY), Hillester_47 (AY), Lasker_44 (AY), Lawnathon_47 (AY), LeBruni_44 (AY), MUWow_43 (AY), Mapleville_42 (AY), MaterMagnus_45 (AY), MidnightRain_48 (AY), NewKitty_48 (AY), RadFad_47 (AY), Raqqa_36 (AY), Satrap_46 (AY), Seahorse_46 (AY), SonDevVon_48 (AY), Sporco_48 (AY), ThayneTheZag_46 (AY), Windest_46 (AY),

Summary by clusters:

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

Info for manual annotations of cluster AY:

- Start number 3 was manually annotated 1 time for cluster AY.
- Start number 5 was manually annotated 19 times for cluster AY.

Info for manual annotations of cluster FN:

- Start number 4 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AbbyDaisy_42 Start: 29214, Stop: 29381, Start Num: 5

Candidate Starts for AbbyDaisy_42:

(Start: 3 @29196 has 1 MA's), (Start: 5 @29214 has 19 MA's), (6, 29226), (11, 29370),

Gene: AdaS_40 Start: 27614, Stop: 27781, Start Num: 5

Candidate Starts for AdaS_40:

(Start: 3 @27596 has 1 MA's), (Start: 5 @27614 has 19 MA's), (6, 27626), (8, 27674),

Gene: Aikyam_43 Start: 27229, Stop: 27399, Start Num: 5

Candidate Starts for Aikyam_43:

(Start: 5 @27229 has 19 MA's), (6, 27241),

Gene: Bhageatrice_45 Start: 31017, Stop: 31184, Start Num: 5
Candidate Starts for Bhageatrice_45:
(Start: 5 @31017 has 19 MA's), (6, 31029), (7, 31050), (9, 31110),

Gene: BillyTP_48 Start: 30945, Stop: 31112, Start Num: 5
Candidate Starts for BillyTP_48:
(Start: 3 @30927 has 1 MA's), (Start: 5 @30945 has 19 MA's), (6, 30957), (7, 30978), (11, 31101),

Gene: BlueShadow_45 Start: 29690, Stop: 29857, Start Num: 5
Candidate Starts for BlueShadow_45:
(Start: 3 @29672 has 1 MA's), (Start: 5 @29690 has 19 MA's), (6, 29702), (7, 29723), (11, 29846),

Gene: CookieBear_46 Start: 29567, Stop: 29734, Start Num: 5
Candidate Starts for CookieBear_46:
(1, 29432), (Start: 3 @29549 has 1 MA's), (Start: 5 @29567 has 19 MA's), (6, 29579), (9, 29660),

Gene: DarwinJr_47 Start: 30416, Stop: 30586, Start Num: 5
Candidate Starts for DarwinJr_47:
(Start: 3 @30398 has 1 MA's), (Start: 5 @30416 has 19 MA's), (6, 30428), (8, 30479),

Gene: Hillester_47 Start: 30177, Stop: 30344, Start Num: 5
Candidate Starts for Hillester_47:
(Start: 3 @30159 has 1 MA's), (Start: 5 @30177 has 19 MA's), (6, 30189), (9, 30270),

Gene: Isolde_45 Start: 29500, Stop: 29685, Start Num: 3
Candidate Starts for Isolde_45:
(Start: 3 @29500 has 1 MA's), (Start: 5 @29518 has 19 MA's), (6, 29530), (7, 29551), (11, 29674),

Gene: Lasker_44 Start: 29575, Stop: 29742, Start Num: 5
Candidate Starts for Lasker_44:
(Start: 3 @29557 has 1 MA's), (Start: 5 @29575 has 19 MA's), (6, 29587),

Gene: Lawnathon_47 Start: 29629, Stop: 29796, Start Num: 5
Candidate Starts for Lawnathon_47:
(Start: 3 @29611 has 1 MA's), (Start: 5 @29629 has 19 MA's), (6, 29641), (9, 29722),

Gene: LeBruni_44 Start: 28812, Stop: 28979, Start Num: 5
Candidate Starts for LeBruni_44:
(2, 28794), (Start: 5 @28812 has 19 MA's), (6, 28824), (7, 28845), (11, 28968),

Gene: MUWow_43 Start: 29590, Stop: 29757, Start Num: 5
Candidate Starts for MUWow_43:
(1, 29455), (Start: 3 @29572 has 1 MA's), (Start: 5 @29590 has 19 MA's), (6, 29602), (9, 29683),

Gene: Mapleville_42 Start: 29342, Stop: 29509, Start Num: 5
Candidate Starts for Mapleville_42:
(Start: 3 @29324 has 1 MA's), (Start: 5 @29342 has 19 MA's), (6, 29354), (7, 29375), (11, 29498),

Gene: MaterMagnus_45 Start: 29401, Stop: 29571, Start Num: 5
Candidate Starts for MaterMagnus_45:
(Start: 5 @29401 has 19 MA's), (6, 29413),

Gene: MidnightRain_48 Start: 30778, Stop: 30945, Start Num: 5

Candidate Starts for MidnightRain_48:

(Start: 3 @30760 has 1 MA's), (Start: 5 @30778 has 19 MA's), (6, 30790), (7, 30811), (11, 30934),

Gene: NewKitty_48 Start: 29537, Stop: 29704, Start Num: 5

Candidate Starts for NewKitty_48:

(Start: 3 @29519 has 1 MA's), (Start: 5 @29537 has 19 MA's), (6, 29549), (9, 29630),

Gene: RadFad_47 Start: 30177, Stop: 30344, Start Num: 5

Candidate Starts for RadFad_47:

(Start: 3 @30159 has 1 MA's), (Start: 5 @30177 has 19 MA's), (6, 30189), (9, 30270),

Gene: Raqqa_36 Start: 26463, Stop: 26630, Start Num: 5

Candidate Starts for Raqqa_36:

(1, 26328), (Start: 3 @26445 has 1 MA's), (Start: 5 @26463 has 19 MA's), (6, 26475), (9, 26556),

Gene: Satrap_46 Start: 29886, Stop: 30056, Start Num: 5

Candidate Starts for Satrap_46:

(Start: 3 @29868 has 1 MA's), (Start: 5 @29886 has 19 MA's), (6, 29898), (8, 29949),

Gene: Seahorse_46 Start: 31168, Stop: 31335, Start Num: 5

Candidate Starts for Seahorse_46:

(Start: 3 @31150 has 1 MA's), (Start: 5 @31168 has 19 MA's), (6, 31180), (7, 31201),

Gene: SonDevVon_48 Start: 29778, Stop: 29945, Start Num: 5

Candidate Starts for SonDevVon_48:

(Start: 3 @29760 has 1 MA's), (Start: 5 @29778 has 19 MA's), (6, 29790), (9, 29871),

Gene: Sporco_48 Start: 29987, Stop: 30154, Start Num: 5

Candidate Starts for Sporco_48:

(Start: 5 @29987 has 19 MA's), (6, 29999), (7, 30020), (11, 30143),

Gene: ThayneTheZag_46 Start: 29493, Stop: 29660, Start Num: 5

Candidate Starts for ThayneTheZag_46:

(Start: 3 @29475 has 1 MA's), (Start: 5 @29493 has 19 MA's), (6, 29505), (8, 29556), (10, 29637),

Gene: Windest_46 Start: 28518, Stop: 28685, Start Num: 5

Candidate Starts for Windest_46:

(1, 28383), (Start: 3 @28500 has 1 MA's), (Start: 5 @28518 has 19 MA's), (6, 28530), (9, 28611),

Gene: Zucker_93 Start: 52149, Stop: 52343, Start Num: 4

Candidate Starts for Zucker_93:

(Start: 4 @52149 has 1 MA's),