

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 194608 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194608 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Leston_46
- Track 2 : Omnicron_49
- Track 3 : Feyre_47
- Track 4 : Heftyboy_46, SoSeph_46
- Track 5 : Paola_46, Guillsminger_47
- Track 6 : Rando14_48

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

The start number called the most often in the published annotations is 11, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Guillsminger_47, Leston_46, Paola_46,

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

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

- Feyre_47, Heftyboy_46, Omnicron_49, Rando14_48, SoSeph_46,

Summary by start number:

Start 10:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rando14_48 (K5),

Start 11:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Guillsminger_47 (K5), Leston_46 (K5), Paola_46 (K5),

Start 12:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Heftyboy_46 (K5), Omnicron_49 (K5), SoSeph_46 (K5),

Start 16:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Feyre_47 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:

- Start number 10 was manually annotated 1 time for cluster K5.
- Start number 11 was manually annotated 3 times for cluster K5.
- Start number 12 was manually annotated 3 times for cluster K5.
- Start number 16 was manually annotated 1 time for cluster K5.

Gene Information:

Gene: Feyre_47 Start: 37611, Stop: 38171, Start Num: 16

Candidate Starts for Feyre_47:

(1, 37245), (2, 37341), (Start: 12 @37533 has 3 MA's), (13, 37551), (14, 37557), (Start: 16 @37611 has 1 MA's), (20, 37710), (24, 37767), (26, 37785), (27, 37791), (29, 37818), (30, 37851), (34, 38025),

Gene: Guillsminger_47 Start: 36118, Stop: 36753, Start Num: 11

Candidate Starts for Guillsminger_47:

(3, 35941), (9, 36049), (Start: 11 @36118 has 3 MA's), (13, 36133), (15, 36157), (Start: 16 @36193 has 1 MA's), (17, 36196), (18, 36268), (20, 36292), (24, 36349), (26, 36367), (27, 36373), (28, 36397), (30, 36433), (33, 36580), (34, 36607),

Gene: Heftyboy_46 Start: 36269, Stop: 36925, Start Num: 12

Candidate Starts for Heftyboy_46:

(1, 35981), (2, 36077), (Start: 12 @36269 has 3 MA's), (13, 36287), (14, 36293), (Start: 16 @36347 has 1 MA's), (20, 36446), (24, 36503), (26, 36521), (27, 36527), (28, 36551), (30, 36605), (33, 36752), (34, 36779), (35, 36803),

Gene: Leston_46 Start: 36247, Stop: 36882, Start Num: 11

Candidate Starts for Leston_46:

(3, 36070), (7, 36151), (8, 36166), (9, 36178), (Start: 11 @36247 has 3 MA's), (13, 36262), (15, 36286), (Start: 16 @36322 has 1 MA's), (17, 36325), (18, 36397), (20, 36421), (24, 36478), (26, 36496), (27, 36502), (28, 36526), (30, 36562), (33, 36709), (34, 36736),

Gene: Omnicron_49 Start: 35732, Stop: 36313, Start Num: 12

Candidate Starts for Omnicron_49:

(4, 35576), (5, 35582), (6, 35585), (Start: 12 @35732 has 3 MA's), (Start: 16 @35810 has 1 MA's), (17, 35813), (18, 35885), (19, 35903), (21, 35927), (22, 35936), (23, 35939), (25, 35957), (29, 35990), (31, 36032), (32, 36110), (34, 36176),

Gene: Paola_46 Start: 36118, Stop: 36753, Start Num: 11

Candidate Starts for Paola_46:

(3, 35941), (9, 36049), (Start: 11 @36118 has 3 MA's), (13, 36133), (15, 36157), (Start: 16 @36193 has 1 MA's), (17, 36196), (18, 36268), (20, 36292), (24, 36349), (26, 36367), (27, 36373), (28, 36397), (30, 36433), (33, 36580), (34, 36607),

Gene: Rando14_48 Start: 35246, Stop: 35872, Start Num: 10

Candidate Starts for Rando14_48:

(5, 35150), (7, 35207), (Start: 10 @35246 has 1 MA's), (Start: 12 @35297 has 3 MA's), (Start: 16 @35375 has 1 MA's), (17, 35378), (18, 35450), (19, 35468), (21, 35492), (23, 35504), (25, 35522), (29, 35555), (31, 35597), (32, 35669), (34, 35735),

Gene: SoSeph_46 Start: 36269, Stop: 36925, Start Num: 12

Candidate Starts for SoSeph_46:

(1, 35981), (2, 36077), (Start: 12 @36269 has 3 MA's), (13, 36287), (14, 36293), (Start: 16 @36347 has 1 MA's), (20, 36446), (24, 36503), (26, 36521), (27, 36527), (28, 36551), (30, 36605), (33, 36752), (34, 36779), (35, 36803),