



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 200716 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200716 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Familton_110
- Track 2 : Alkhayr_105, Schuy_109, FoulBall_108, Vorrps_109, Mori_109, Winget_109, NiebruSaylor_109, MadKillah_112
- Track 3 : Idergollasper_111, Ryadel_113, JangDynasty_105, SchoolBus_108, TelAviv_106
- Track 4 : Zebo_107

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

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

Genes that call this "Most Annotated" start:

- Alkhayr_105, FoulBall_108, Idergollasper_111, JangDynasty_105, MadKillah_112, Mori_109, NiebruSaylor_109, Ryadel_113, SchoolBus_108, Schuy_109, TelAviv_106, Vorrps_109, Winget_109, Zebo_107,

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

- Familton_110,

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

-

Summary by start number:

Start 4:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Familton_110 (O),

Start 6:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 13

- Called 93.3% of time when present
- Phage (with cluster) where this start called: Alkhayr_105 (O), FoulBall_108 (O), Idergollasper_111 (O), JangDynasty_105 (O), MadKillah_112 (O), Mori_109 (O), NiebruSaylor_109 (O), Ryadel_113 (O), SchoolBus_108 (O), Schuy_109 (O), TelAviv_106 (O), Vorrrps_109 (O), Winget_109 (O), Zebo_107 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:

- Start number 4 was manually annotated 1 time for cluster O.
- Start number 6 was manually annotated 12 times for cluster O.

Gene Information:

Gene: Alkhayr_105 Start: 64626, Stop: 64456, Start Num: 6

Candidate Starts for Alkhayr_105:

(2, 64698), (Start: 4 @64671 has 1 MA's), (Start: 6 @64626 has 12 MA's), (7, 64593), (8, 64572), (9, 64506),

Gene: Familton_110 Start: 65433, Stop: 65197, Start Num: 4

Candidate Starts for Familton_110:

(2, 65460), (Start: 4 @65433 has 1 MA's), (Start: 6 @65388 has 12 MA's), (8, 65334), (9, 65268), (10, 65220),

Gene: FoulBall_108 Start: 64909, Stop: 64739, Start Num: 6

Candidate Starts for FoulBall_108:

(2, 64981), (Start: 4 @64954 has 1 MA's), (Start: 6 @64909 has 12 MA's), (7, 64876), (8, 64855), (9, 64789),

Gene: Idergollasper_111 Start: 65930, Stop: 65745, Start Num: 6

Candidate Starts for Idergollasper_111:

(1, 66008), (3, 65996), (Start: 4 @65975 has 1 MA's), (Start: 6 @65930 has 12 MA's), (8, 65876), (9, 65810), (10, 65762),

Gene: JangDynasty_105 Start: 64280, Stop: 64095, Start Num: 6

Candidate Starts for JangDynasty_105:

(1, 64358), (3, 64346), (Start: 4 @64325 has 1 MA's), (Start: 6 @64280 has 12 MA's), (8, 64226), (9, 64160), (10, 64112),

Gene: MadKillah_112 Start: 64981, Stop: 64811, Start Num: 6

Candidate Starts for MadKillah_112:

(2, 65053), (Start: 4 @65026 has 1 MA's), (Start: 6 @64981 has 12 MA's), (7, 64948), (8, 64927), (9, 64861),

Gene: Mori_109 Start: 65529, Stop: 65359, Start Num: 6

Candidate Starts for Mori_109:

(2, 65601), (Start: 4 @65574 has 1 MA's), (Start: 6 @65529 has 12 MA's), (7, 65496), (8, 65475), (9, 65409),

Gene: NiebruSaylor_109 Start: 64645, Stop: 64475, Start Num: 6
Candidate Starts for NiebruSaylor_109:
(2, 64717), (Start: 4 @64690 has 1 MA's), (Start: 6 @64645 has 12 MA's), (7, 64612), (8, 64591), (9, 64525),

Gene: Ryadel_113 Start: 66347, Stop: 66156, Start Num: 6
Candidate Starts for Ryadel_113:
(1, 66425), (3, 66413), (Start: 4 @66392 has 1 MA's), (Start: 6 @66347 has 12 MA's), (8, 66293), (9, 66227), (10, 66179),

Gene: SchoolBus_108 Start: 65095, Stop: 64910, Start Num: 6
Candidate Starts for SchoolBus_108:
(1, 65173), (3, 65161), (Start: 4 @65140 has 1 MA's), (Start: 6 @65095 has 12 MA's), (8, 65041), (9, 64975), (10, 64927),

Gene: Schuy_109 Start: 64694, Stop: 64524, Start Num: 6
Candidate Starts for Schuy_109:
(2, 64766), (Start: 4 @64739 has 1 MA's), (Start: 6 @64694 has 12 MA's), (7, 64661), (8, 64640), (9, 64574),

Gene: TelAviv_106 Start: 65331, Stop: 65146, Start Num: 6
Candidate Starts for TelAviv_106:
(1, 65409), (3, 65397), (Start: 4 @65376 has 1 MA's), (Start: 6 @65331 has 12 MA's), (8, 65277), (9, 65211), (10, 65163),

Gene: Vorrps_109 Start: 65530, Stop: 65360, Start Num: 6
Candidate Starts for Vorrps_109:
(2, 65602), (Start: 4 @65575 has 1 MA's), (Start: 6 @65530 has 12 MA's), (7, 65497), (8, 65476), (9, 65410),

Gene: Winget_109 Start: 65379, Stop: 65209, Start Num: 6
Candidate Starts for Winget_109:
(2, 65451), (Start: 4 @65424 has 1 MA's), (Start: 6 @65379 has 12 MA's), (7, 65346), (8, 65325), (9, 65259),

Gene: Zebo_107 Start: 65095, Stop: 64910, Start Num: 6
Candidate Starts for Zebo_107:
(1, 65173), (3, 65161), (Start: 4 @65140 has 1 MA's), (5, 65098), (Start: 6 @65095 has 12 MA's), (8, 65041), (9, 64975), (10, 64927),