



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 309467 Report

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

Pham number 309467 has 16 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Zimmer_70
- Track 2 : Luchador_74, Gail_73
- Track 3 : Jeeves_75
- Track 4 : SororFago_73
- Track 5 : Sunhee_73
- Track 6 : Chargerpower_68
- Track 7 : EricB_71, Kipper29_72, Candra_70, Kazan_73, VohminGhazi_72, DaVinci_70, Hoot_67, SmellyB_72, Chartreuse_71

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Candra_70, Chartreuse_71, DaVinci_70, EricB_71, Hoot_67, Kazan_73, Kipper29_72, SmellyB_72, VohminGhazi_72,

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:

- Chargerpower_68, Gail_73, Jeeves_75, Luchador_74, SororFago_73, Sunhee_73, Zimmer_70,

Summary by start number:

Start 3:

- Found in 9 of 16 (56.2%) of genes in pham
- Manual Annotations of this start: 8 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Candra_70 (A6), Chartreuse_71 (A6), DaVinci_70 (A6), EricB_71 (A6), Hoot_67 (A6), Kazan_73 (A6), Kipper29_72 (A6), SmellyB_72 (A6), VohminGhazi_72 (A6),

Start 4:

- Found in 7 of 16 (43.8%) of genes in pham
- Manual Annotations of this start: 6 of 15
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Gail_73 (A14), Jeeves_75 (A14), Luchador_74 (A14), SororFago_73 (A14), Sunhee_73 (A14), Zimmer_70 (A12),

Start 5:

- Found in 1 of 16 (6.2%) 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: Chargerpower_68 (A22),

Summary by clusters:

There are 4 clusters represented in this pham: A14, A22, A12, A6,

Info for manual annotations of cluster A12:

- Start number 4 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:

- Start number 4 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A22:

- Start number 5 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A6:

- Start number 3 was manually annotated 8 times for cluster A6.

Gene Information:

Gene: Candra_70 Start: 41523, Stop: 41359, Start Num: 3

Candidate Starts for Candra_70:

(Start: 3 @41523 has 8 MA's), (13, 41376),

Gene: Chargerpower_68 Start: 40890, Stop: 40702, Start Num: 5

Candidate Starts for Chargerpower_68:

(2, 41031), (Start: 4 @40893 has 6 MA's), (Start: 5 @40890 has 1 MA's), (6, 40884), (11, 40782),

Gene: Chartreuse_71 Start: 40834, Stop: 40670, Start Num: 3

Candidate Starts for Chartreuse_71:

(Start: 3 @40834 has 8 MA's), (13, 40687),

Gene: DaVinci_70 Start: 40888, Stop: 40724, Start Num: 3

Candidate Starts for DaVinci_70:

(Start: 3 @40888 has 8 MA's), (13, 40741),

Gene: EricB_71 Start: 41480, Stop: 41316, Start Num: 3

Candidate Starts for EricB_71:

(Start: 3 @41480 has 8 MA's), (13, 41333),

Gene: Gail_73 Start: 43622, Stop: 43458, Start Num: 4
Candidate Starts for Gail_73:
(Start: 4 @43622 has 6 MA's), (12, 43508),

Gene: Hoot_67 Start: 39338, Stop: 39174, Start Num: 3
Candidate Starts for Hoot_67:
(Start: 3 @39338 has 8 MA's), (13, 39191),

Gene: Jeeves_75 Start: 42607, Stop: 42443, Start Num: 4
Candidate Starts for Jeeves_75:
(Start: 4 @42607 has 6 MA's), (14, 42448),

Gene: Kazan_73 Start: 41493, Stop: 41329, Start Num: 3
Candidate Starts for Kazan_73:
(Start: 3 @41493 has 8 MA's), (13, 41346),

Gene: Kipper29_72 Start: 41506, Stop: 41342, Start Num: 3
Candidate Starts for Kipper29_72:
(Start: 3 @41506 has 8 MA's), (13, 41359),

Gene: Luchador_74 Start: 44089, Stop: 43925, Start Num: 4
Candidate Starts for Luchador_74:
(Start: 4 @44089 has 6 MA's), (12, 43975),

Gene: SmellyB_72 Start: 41487, Stop: 41323, Start Num: 3
Candidate Starts for SmellyB_72:
(Start: 3 @41487 has 8 MA's), (13, 41340),

Gene: SororFago_73 Start: 43809, Stop: 43645, Start Num: 4
Candidate Starts for SororFago_73:
(Start: 4 @43809 has 6 MA's), (8, 43767), (9, 43758), (11, 43725),

Gene: Sunhee_73 Start: 41861, Stop: 41697, Start Num: 4
Candidate Starts for Sunhee_73:
(Start: 4 @41861 has 6 MA's), (9, 41810), (10, 41807), (11, 41777),

Gene: VohminGhazi_72 Start: 41488, Stop: 41324, Start Num: 3
Candidate Starts for VohminGhazi_72:
(Start: 3 @41488 has 8 MA's), (13, 41341),

Gene: Zimmer_70 Start: 43710, Stop: 43552, Start Num: 4
Candidate Starts for Zimmer_70:
(1, 43947), (2, 43848), (Start: 4 @43710 has 6 MA's), (7, 43692), (11, 43632),