



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 309150 Report

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

Pham number 309150 has 25 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Jams_44, Bianmat_44, Anamika_44, Hail2Pitt_43, Lahirium_44, Kaseim_44, Newt_45, Neoevie_44, Charianelly_44, Jormungandr_44, Sticker17_44, Lidong_44, Damp_44, Minos_45, Shelley_44, GalacticEye_44, Teal_44, Berries_44, MrWormie_44, Hello_44, Guillaume_44, Harambe_44
- Track 2 : Luker_45, Woes_44, Nimi13_44

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

The start number called the most often in the published annotations is 1, it was called in 25 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anamika_44, Berries_44, Bianmat_44, Charianelly_44, Damp_44, GalacticEye_44, Guillaume_44, Hail2Pitt_43, Harambe_44, Hello_44, Jams_44, Jormungandr_44, Kaseim_44, Lahirium_44, Lidong_44, Luker_45, Minos_45, MrWormie_44, Neoevie_44, Newt_45, Nimi13_44, Shelley_44, Sticker17_44, Teal_44, Woes_44,

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

-

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

-

Summary by start number:

Start 1:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 25 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anamika_44 (CS3), Berries_44 (CS3), Bianmat_44 (CS3), Charianelly_44 (CS3), Damp_44 (CS3), GalacticEye_44 (CS3), Guillaume_44 (CS3), Hail2Pitt_43 (CS3), Harambe_44 (CS3), Hello_44 (CS3), Jams_44 (CS3), Jormungandr_44 (CS3), Kaseim_44 (CS3), Lahirium_44 (CS3), Lidong_44 (CS3), Luker_45 (CS3), Minos_45 (CS3), MrWormie_44 (CS3),

Neoevie_44 (CS3), Newt_45 (CS3), Nimi13_44 (CS3), Shelley_44 (CS3),
Sticker17_44 (CS3), Teal_44 (CS3), Woes_44 (CS3),

Summary by clusters:

There is one cluster represented in this pham: CS3

Info for manual annotations of cluster CS3:

•Start number 1 was manually annotated 25 times for cluster CS3.

Gene Information:

Gene: Anamika_44 Start: 45822, Stop: 45661, Start Num: 1

Candidate Starts for Anamika_44:

(Start: 1 @45822 has 25 MA's), (2, 45762), (3, 45759), (4, 45681), (5, 45672),

Gene: Berries_44 Start: 45793, Stop: 45632, Start Num: 1

Candidate Starts for Berries_44:

(Start: 1 @45793 has 25 MA's), (2, 45733), (3, 45730), (4, 45652), (5, 45643),

Gene: Bianmat_44 Start: 45833, Stop: 45672, Start Num: 1

Candidate Starts for Bianmat_44:

(Start: 1 @45833 has 25 MA's), (2, 45773), (3, 45770), (4, 45692), (5, 45683),

Gene: Charianelly_44 Start: 45543, Stop: 45382, Start Num: 1

Candidate Starts for Charianelly_44:

(Start: 1 @45543 has 25 MA's), (2, 45483), (3, 45480), (4, 45402), (5, 45393),

Gene: Damp_44 Start: 44707, Stop: 44546, Start Num: 1

Candidate Starts for Damp_44:

(Start: 1 @44707 has 25 MA's), (2, 44647), (3, 44644), (4, 44566), (5, 44557),

Gene: GalacticEye_44 Start: 45505, Stop: 45344, Start Num: 1

Candidate Starts for GalacticEye_44:

(Start: 1 @45505 has 25 MA's), (2, 45445), (3, 45442), (4, 45364), (5, 45355),

Gene: Guillaume_44 Start: 45555, Stop: 45394, Start Num: 1

Candidate Starts for Guillaume_44:

(Start: 1 @45555 has 25 MA's), (2, 45495), (3, 45492), (4, 45414), (5, 45405),

Gene: Hail2Pitt_43 Start: 46031, Stop: 45870, Start Num: 1

Candidate Starts for Hail2Pitt_43:

(Start: 1 @46031 has 25 MA's), (2, 45971), (3, 45968), (4, 45890), (5, 45881),

Gene: Harambe_44 Start: 45822, Stop: 45661, Start Num: 1

Candidate Starts for Harambe_44:

(Start: 1 @45822 has 25 MA's), (2, 45762), (3, 45759), (4, 45681), (5, 45672),

Gene: Hello_44 Start: 45784, Stop: 45623, Start Num: 1

Candidate Starts for Hello_44:

(Start: 1 @45784 has 25 MA's), (2, 45724), (3, 45721), (4, 45643), (5, 45634),

Gene: Jams_44 Start: 44993, Stop: 44832, Start Num: 1
Candidate Starts for Jams_44:
(Start: 1 @44993 has 25 MA's), (2, 44933), (3, 44930), (4, 44852), (5, 44843),

Gene: Jormungandr_44 Start: 45537, Stop: 45376, Start Num: 1
Candidate Starts for Jormungandr_44:
(Start: 1 @45537 has 25 MA's), (2, 45477), (3, 45474), (4, 45396), (5, 45387),

Gene: Kaseim_44 Start: 44978, Stop: 44817, Start Num: 1
Candidate Starts for Kaseim_44:
(Start: 1 @44978 has 25 MA's), (2, 44918), (3, 44915), (4, 44837), (5, 44828),

Gene: Lahirium_44 Start: 46059, Stop: 45898, Start Num: 1
Candidate Starts for Lahirium_44:
(Start: 1 @46059 has 25 MA's), (2, 45999), (3, 45996), (4, 45918), (5, 45909),

Gene: Lidong_44 Start: 45793, Stop: 45632, Start Num: 1
Candidate Starts for Lidong_44:
(Start: 1 @45793 has 25 MA's), (2, 45733), (3, 45730), (4, 45652), (5, 45643),

Gene: Luker_45 Start: 46012, Stop: 45851, Start Num: 1
Candidate Starts for Luker_45:
(Start: 1 @46012 has 25 MA's), (3, 45949), (4, 45871), (5, 45862),

Gene: Minos_45 Start: 45535, Stop: 45374, Start Num: 1
Candidate Starts for Minos_45:
(Start: 1 @45535 has 25 MA's), (2, 45475), (3, 45472), (4, 45394), (5, 45385),

Gene: MrWormie_44 Start: 44696, Stop: 44535, Start Num: 1
Candidate Starts for MrWormie_44:
(Start: 1 @44696 has 25 MA's), (2, 44636), (3, 44633), (4, 44555), (5, 44546),

Gene: Neoevie_44 Start: 45798, Stop: 45637, Start Num: 1
Candidate Starts for Neoevie_44:
(Start: 1 @45798 has 25 MA's), (2, 45738), (3, 45735), (4, 45657), (5, 45648),

Gene: Newt_45 Start: 46026, Stop: 45865, Start Num: 1
Candidate Starts for Newt_45:
(Start: 1 @46026 has 25 MA's), (2, 45966), (3, 45963), (4, 45885), (5, 45876),

Gene: Nimi13_44 Start: 45544, Stop: 45383, Start Num: 1
Candidate Starts for Nimi13_44:
(Start: 1 @45544 has 25 MA's), (3, 45481), (4, 45403), (5, 45394),

Gene: Shelley_44 Start: 45020, Stop: 44859, Start Num: 1
Candidate Starts for Shelley_44:
(Start: 1 @45020 has 25 MA's), (2, 44960), (3, 44957), (4, 44879), (5, 44870),

Gene: Sticker17_44 Start: 45535, Stop: 45374, Start Num: 1
Candidate Starts for Sticker17_44:
(Start: 1 @45535 has 25 MA's), (2, 45475), (3, 45472), (4, 45394), (5, 45385),

Gene: Teal_44 Start: 46003, Stop: 45842, Start Num: 1

Candidate Starts for Teal_44:

(Start: 1 @46003 has 25 MA's), (2, 45943), (3, 45940), (4, 45862), (5, 45853),

Gene: Woes_44 Start: 46054, Stop: 45893, Start Num: 1

Candidate Starts for Woes_44:

(Start: 1 @46054 has 25 MA's), (3, 45991), (4, 45913), (5, 45904),