



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 3536 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3536 has 25 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Damp_85, MrWormie_88, Neoevie_87, Jormungandr_87, Lidong_88, Harambe_87, Nimi13_87, Minos_89, Charianelly_87, Luker_89, Anamika_87, Woes_87, Shelley_88, Hail2Pitt_86, GalacticEye_88, Hello_87, Berries_88, Sticker17_88, Teal_87, Jams_88, Guillaume_87, Lahirium_88, Kaseim_87, Newt_89, Bianmat_88

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anamika_87, Berries_88, Bianmat_88, Charianelly_87, Damp_85, GalacticEye_88, Guillaume_87, Hail2Pitt_86, Harambe_87, Hello_87, Jams_88, Jormungandr_87, Kaseim_87, Lahirium_88, Lidong_88, Luker_89, Minos_89, MrWormie_88, Neoevie_87, Newt_89, Nimi13_87, Shelley_88, Sticker17_88, Teal_87, Woes_87,

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: 21 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anamika_87 (CS3), Berries_88 (CS3), Bianmat_88 (CS3), Charianelly_87 (CS3), Damp_85 (CS3), GalacticEye_88 (CS3), Guillaume_87 (CS3), Hail2Pitt_86 (CS3), Harambe_87 (CS3), Hello_87 (CS3), Jams_88 (CS3), Jormungandr_87 (CS3), Kaseim_87 (CS3), Lahirium_88 (CS3), Lidong_88 (CS3), Luker_89 (CS3), Minos_89 (CS3), MrWormie_88 (CS3),

Neoevie_87 (CS3), Newt_89 (CS3), Nimi13_87 (CS3), Shelley_88 (CS3),
Sticker17_88 (CS3), Teal_87 (CS3), Woes_87 (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 21 times for cluster CS3.

Gene Information:

Gene: Anamika_87 Start: 69209, Stop: 69027, Start Num: 1

Candidate Starts for Anamika_87:

(Start: 1 @69209 has 21 MA's), (2, 69125),

Gene: Berries_88 Start: 69181, Stop: 68999, Start Num: 1

Candidate Starts for Berries_88:

(Start: 1 @69181 has 21 MA's), (2, 69097),

Gene: Bianmat_88 Start: 69221, Stop: 69039, Start Num: 1

Candidate Starts for Bianmat_88:

(Start: 1 @69221 has 21 MA's), (2, 69137),

Gene: Charianelly_87 Start: 68931, Stop: 68749, Start Num: 1

Candidate Starts for Charianelly_87:

(Start: 1 @68931 has 21 MA's), (2, 68847),

Gene: Damp_85 Start: 68077, Stop: 67913, Start Num: 1

Candidate Starts for Damp_85:

(Start: 1 @68077 has 21 MA's), (2, 67993),

Gene: GalacticEye_88 Start: 68871, Stop: 68707, Start Num: 1

Candidate Starts for GalacticEye_88:

(Start: 1 @68871 has 21 MA's), (2, 68787),

Gene: Guillaume_87 Start: 68942, Stop: 68760, Start Num: 1

Candidate Starts for Guillaume_87:

(Start: 1 @68942 has 21 MA's), (2, 68858),

Gene: Hail2Pitt_86 Start: 69415, Stop: 69233, Start Num: 1

Candidate Starts for Hail2Pitt_86:

(Start: 1 @69415 has 21 MA's), (2, 69331),

Gene: Harambe_87 Start: 69209, Stop: 69027, Start Num: 1

Candidate Starts for Harambe_87:

(Start: 1 @69209 has 21 MA's), (2, 69125),

Gene: Hello_87 Start: 69171, Stop: 68989, Start Num: 1

Candidate Starts for Hello_87:

(Start: 1 @69171 has 21 MA's), (2, 69087),

Gene: Jams_88 Start: 68219, Stop: 68037, Start Num: 1
Candidate Starts for Jams_88:
(Start: 1 @68219 has 21 MA's), (2, 68135),

Gene: Jormungandr_87 Start: 68924, Stop: 68742, Start Num: 1
Candidate Starts for Jormungandr_87:
(Start: 1 @68924 has 21 MA's), (2, 68840),

Gene: Kaseim_87 Start: 68366, Stop: 68184, Start Num: 1
Candidate Starts for Kaseim_87:
(Start: 1 @68366 has 21 MA's), (2, 68282),

Gene: Lahirium_88 Start: 69960, Stop: 69778, Start Num: 1
Candidate Starts for Lahirium_88:
(Start: 1 @69960 has 21 MA's), (2, 69876),

Gene: Lidong_88 Start: 69181, Stop: 68999, Start Num: 1
Candidate Starts for Lidong_88:
(Start: 1 @69181 has 21 MA's), (2, 69097),

Gene: Luker_89 Start: 69234, Stop: 69052, Start Num: 1
Candidate Starts for Luker_89:
(Start: 1 @69234 has 21 MA's), (2, 69150),

Gene: Minos_89 Start: 68908, Stop: 68726, Start Num: 1
Candidate Starts for Minos_89:
(Start: 1 @68908 has 21 MA's), (2, 68824),

Gene: MrWormie_88 Start: 67922, Stop: 67740, Start Num: 1
Candidate Starts for MrWormie_88:
(Start: 1 @67922 has 21 MA's), (2, 67838),

Gene: Neoevie_87 Start: 69182, Stop: 69000, Start Num: 1
Candidate Starts for Neoevie_87:
(Start: 1 @69182 has 21 MA's), (2, 69098),

Gene: Newt_89 Start: 69251, Stop: 69069, Start Num: 1
Candidate Starts for Newt_89:
(Start: 1 @69251 has 21 MA's), (2, 69167),

Gene: Nimi13_87 Start: 68932, Stop: 68750, Start Num: 1
Candidate Starts for Nimi13_87:
(Start: 1 @68932 has 21 MA's), (2, 68848),

Gene: Shelley_88 Start: 68408, Stop: 68226, Start Num: 1
Candidate Starts for Shelley_88:
(Start: 1 @68408 has 21 MA's), (2, 68324),

Gene: Sticker17_88 Start: 68878, Stop: 68714, Start Num: 1
Candidate Starts for Sticker17_88:
(Start: 1 @68878 has 21 MA's), (2, 68794),

Gene: Teal_87 Start: 69387, Stop: 69205, Start Num: 1
Candidate Starts for Teal_87:
(Start: 1 @69387 has 21 MA's), (2, 69303),

Gene: Woes_87 Start: 69438, Stop: 69256, Start Num: 1
Candidate Starts for Woes_87:
(Start: 1 @69438 has 21 MA's), (2, 69354),