

1	2	3	4	5	6	7	8

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 220047 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220047 has 25 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Shelley_56, GalacticEye_56, Teal_56, Bianmat_56, Berries_56, MrWormie_56, Hello_56, Harambe_56, Guillaume_56, Jams_56, Anamika_56, Luker_57, Kaseim_56, Lahirium_56, Newt_57, Woes_56, Hail2Pitt_55, Neoevie_56, Sticker17_56, Minos_57, Charianelly_56, Jormungandr_56, Nimi13_56, Damp_56, Lidong_56

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 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anamika_56, Berries_56, Bianmat_56, Charianelly_56, Damp_56, GalacticEye_56, Guillaume_56, Hail2Pitt_55, Harambe_56, Hello_56, Jams_56, Jormungandr_56, Kaseim_56, Lahirium_56, Lidong_56, Luker_57, Minos_57, MrWormie_56, Neoevie_56, Newt_57, Nimi13_56, Shelley_56, Sticker17_56, Teal_56, Woes_56,

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: 24 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anamika_56 (CS3), Berries_56 (CS3), Bianmat_56 (CS3), Charianelly_56 (CS3), Damp_56 (CS3), GalacticEye_56 (CS3), Guillaume_56 (CS3), Hail2Pitt_55 (CS3), Harambe_56 (CS3), Hello_56 (CS3), Jams_56 (CS3), Jormungandr_56 (CS3), Kaseim_56 (CS3), Lahirium_56 (CS3), Lidong_56 (CS3), Luker_57 (CS3), Minos_57 (CS3), MrWormie_56 (CS3),

Neoevie_56 (CS3), Newt_57 (CS3), Nimi13_56 (CS3), Shelley_56 (CS3),
Sticker17_56 (CS3), Teal_56 (CS3), Woes_56 (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 24 times for cluster CS3.

Gene Information:

Gene: Anamika_56 Start: 51478, Stop: 51179, Start Num: 1

Candidate Starts for Anamika_56:

(Start: 1 @51478 has 24 MA's), (2, 51370), (3, 51319), (4, 51283), (5, 51247), (6, 51229), (7, 51202),
(8, 51196),

Gene: Berries_56 Start: 51450, Stop: 51151, Start Num: 1

Candidate Starts for Berries_56:

(Start: 1 @51450 has 24 MA's), (2, 51342), (3, 51291), (4, 51255), (5, 51219), (6, 51201), (7, 51174),
(8, 51168),

Gene: Bianmat_56 Start: 51490, Stop: 51191, Start Num: 1

Candidate Starts for Bianmat_56:

(Start: 1 @51490 has 24 MA's), (2, 51382), (3, 51331), (4, 51295), (5, 51259), (6, 51241), (7, 51214),
(8, 51208),

Gene: Charianelly_56 Start: 51200, Stop: 50901, Start Num: 1

Candidate Starts for Charianelly_56:

(Start: 1 @51200 has 24 MA's), (2, 51092), (3, 51041), (4, 51005), (5, 50969), (6, 50951), (7, 50924),
(8, 50918),

Gene: Damp_56 Start: 50364, Stop: 50065, Start Num: 1

Candidate Starts for Damp_56:

(Start: 1 @50364 has 24 MA's), (2, 50256), (3, 50205), (4, 50169), (5, 50133), (6, 50115), (7, 50088),
(8, 50082),

Gene: GalacticEye_56 Start: 51161, Stop: 50862, Start Num: 1

Candidate Starts for GalacticEye_56:

(Start: 1 @51161 has 24 MA's), (2, 51053), (3, 51002), (4, 50966), (5, 50930), (6, 50912), (7, 50885),
(8, 50879),

Gene: Guillaume_56 Start: 51211, Stop: 50912, Start Num: 1

Candidate Starts for Guillaume_56:

(Start: 1 @51211 has 24 MA's), (2, 51103), (3, 51052), (4, 51016), (5, 50980), (6, 50962), (7, 50935),
(8, 50929),

Gene: Hail2Pitt_55 Start: 51687, Stop: 51388, Start Num: 1

Candidate Starts for Hail2Pitt_55:

(Start: 1 @51687 has 24 MA's), (2, 51579), (3, 51528), (4, 51492), (5, 51456), (6, 51438), (7, 51411),
(8, 51405),

Gene: Harambe_56 Start: 51478, Stop: 51179, Start Num: 1

Candidate Starts for Harambe_56:

(Start: 1 @51478 has 24 MA's), (2, 51370), (3, 51319), (4, 51283), (5, 51247), (6, 51229), (7, 51202), (8, 51196),

Gene: Hello_56 Start: 51440, Stop: 51141, Start Num: 1

Candidate Starts for Hello_56:

(Start: 1 @51440 has 24 MA's), (2, 51332), (3, 51281), (4, 51245), (5, 51209), (6, 51191), (7, 51164), (8, 51158),

Gene: Jams_56 Start: 50650, Stop: 50351, Start Num: 1

Candidate Starts for Jams_56:

(Start: 1 @50650 has 24 MA's), (2, 50542), (3, 50491), (4, 50455), (5, 50419), (6, 50401), (7, 50374), (8, 50368),

Gene: Jormungandr_56 Start: 51193, Stop: 50894, Start Num: 1

Candidate Starts for Jormungandr_56:

(Start: 1 @51193 has 24 MA's), (2, 51085), (3, 51034), (4, 50998), (5, 50962), (6, 50944), (7, 50917), (8, 50911),

Gene: Kaseim_56 Start: 50635, Stop: 50336, Start Num: 1

Candidate Starts for Kaseim_56:

(Start: 1 @50635 has 24 MA's), (2, 50527), (3, 50476), (4, 50440), (5, 50404), (6, 50386), (7, 50359), (8, 50353),

Gene: Lahirium_56 Start: 51715, Stop: 51416, Start Num: 1

Candidate Starts for Lahirium_56:

(Start: 1 @51715 has 24 MA's), (2, 51607), (3, 51556), (4, 51520), (5, 51484), (6, 51466), (7, 51439), (8, 51433),

Gene: Lidong_56 Start: 51450, Stop: 51151, Start Num: 1

Candidate Starts for Lidong_56:

(Start: 1 @51450 has 24 MA's), (2, 51342), (3, 51291), (4, 51255), (5, 51219), (6, 51201), (7, 51174), (8, 51168),

Gene: Luker_57 Start: 51668, Stop: 51369, Start Num: 1

Candidate Starts for Luker_57:

(Start: 1 @51668 has 24 MA's), (2, 51560), (3, 51509), (4, 51473), (5, 51437), (6, 51419), (7, 51392), (8, 51386),

Gene: Minos_57 Start: 51192, Stop: 50893, Start Num: 1

Candidate Starts for Minos_57:

(Start: 1 @51192 has 24 MA's), (2, 51084), (3, 51033), (4, 50997), (5, 50961), (6, 50943), (7, 50916), (8, 50910),

Gene: MrWormie_56 Start: 50353, Stop: 50054, Start Num: 1

Candidate Starts for MrWormie_56:

(Start: 1 @50353 has 24 MA's), (2, 50245), (3, 50194), (4, 50158), (5, 50122), (6, 50104), (7, 50077), (8, 50071),

Gene: Neoevie_56 Start: 51454, Stop: 51155, Start Num: 1

Candidate Starts for Neoevie_56:

(Start: 1 @51454 has 24 MA's), (2, 51346), (3, 51295), (4, 51259), (5, 51223), (6, 51205), (7, 51178), (8, 51172),

Gene: Newt_57 Start: 51682, Stop: 51383, Start Num: 1

Candidate Starts for Newt_57:

(Start: 1 @51682 has 24 MA's), (2, 51574), (3, 51523), (4, 51487), (5, 51451), (6, 51433), (7, 51406), (8, 51400),

Gene: Nimi13_56 Start: 51201, Stop: 50902, Start Num: 1

Candidate Starts for Nimi13_56:

(Start: 1 @51201 has 24 MA's), (2, 51093), (3, 51042), (4, 51006), (5, 50970), (6, 50952), (7, 50925), (8, 50919),

Gene: Shelley_56 Start: 50677, Stop: 50378, Start Num: 1

Candidate Starts for Shelley_56:

(Start: 1 @50677 has 24 MA's), (2, 50569), (3, 50518), (4, 50482), (5, 50446), (6, 50428), (7, 50401), (8, 50395),

Gene: Sticker17_56 Start: 51192, Stop: 50893, Start Num: 1

Candidate Starts for Sticker17_56:

(Start: 1 @51192 has 24 MA's), (2, 51084), (3, 51033), (4, 50997), (5, 50961), (6, 50943), (7, 50916), (8, 50910),

Gene: Teal_56 Start: 51659, Stop: 51360, Start Num: 1

Candidate Starts for Teal_56:

(Start: 1 @51659 has 24 MA's), (2, 51551), (3, 51500), (4, 51464), (5, 51428), (6, 51410), (7, 51383), (8, 51377),

Gene: Woes_56 Start: 51710, Stop: 51411, Start Num: 1

Candidate Starts for Woes_56:

(Start: 1 @51710 has 24 MA's), (2, 51602), (3, 51551), (4, 51515), (5, 51479), (6, 51461), (7, 51434), (8, 51428),