

Pham 200438



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 200438 Report

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

Pham number 200438 has 37 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Gack_55
- Track 2 : Franklin22_58
- Track 3 : Celaena_54, Kieran_53, Bachaco_54, ChiliPepper_53, FlameThrower_53, Sharkboy_54, Katzastrophic_55, Dismas_54, Rona_53
- Track 4 : Stromboli_56, BabyYoda_56, Akino08_99, WalkingDead_58, Icarian_59, DirtyBubble_55, Loviatar_99
- Track 5 : Elva_58
- Track 6 : SunnyD_62, Shayna_62
- Track 7 : Coltrane_55, Brahms_55, Armstrong_55, Clayda5_57, Bernstein_55, Vitas_55, Rollins_55, Skylord_55
- Track 8 : CliffHanger_62
- Track 9 : Teagster_61
- Track 10 : Quenya_57
- Track 11 : Cashington_55
- Track 12 : Bengal_58
- Track 13 : PhigPhack_58
- Track 14 : BAjuniper_55
- Track 15 : Eden_56

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

The start number called the most often in the published annotations is 17, it was called in 14 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAjuniper_55, Bachaco_54, Celaena_54, ChiliPepper_53, Dismas_54, Eden_56, FlameThrower_53, Franklin22_58, Gack_55, Katzastrophic_55, Kieran_53, Quenya_57, Rona_53, Sharkboy_54,

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:

- Akino08_99, Armstrong_55, BabyYoda_56, Bengal_58, Bernstein_55, Brahms_55, Cashington_55, Clayda5_57, CliffHanger_62, Coltrane_55, DirtyBubble_55, Elva_58, Icarian_59, Loviatar_99, PhigPhack_58, Rollins_55, Shayna_62, Skylord_55, Stromboli_56, SunnyD_62, Teagster_61, Vitas_55, WalkingDead_58,

Summary by start number:

Start 9:

- Found in 3 of 37 (8.1%) of genes in pham
- Manual Annotations of this start: 3 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shayna_62 (EB), SunnyD_62 (EB), Teagster_61 (EB),

Start 10:

- Found in 1 of 37 (2.7%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CliffHanger_62 (EB),

Start 11:

- Found in 11 of 37 (29.7%) of genes in pham
- Manual Annotations of this start: 5 of 31
- Called 72.7% of time when present
- Phage (with cluster) where this start called: Akino08_99 (EB), BabyYoda_56 (EB), DirtyBubble_55 (EB), Elva_58 (EB), Icarian_59 (EB), Loviatar_99 (EB), Stromboli_56 (EB), WalkingDead_58 (EB),

Start 14:

- Found in 4 of 37 (10.8%) of genes in pham
- No Manual Annotations of this start.
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Bengal_58 (EB), Cashington_55 (EB), PhigPhack_58 (EB),

Start 15:

- Found in 8 of 37 (21.6%) of genes in pham
- Manual Annotations of this start: 8 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Armstrong_55 (EB), Bernstein_55 (EB), Brahms_55 (EB), Clayda5_57 (EB), Coltrane_55 (EB), Rollins_55 (EB), Skylord_55 (EB), Vitas_55 (EB),

Start 17:

- Found in 14 of 37 (37.8%) of genes in pham
- Manual Annotations of this start: 14 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAjuniper_55 (EB), Bachaco_54 (EB), Celaena_54 (EB), ChiliPepper_53 (EB), Dismas_54 (EB), Eden_56 (EB), FlameThrower_53 (EB), Franklin22_58 (EB), Gack_55 (EB), Katzastrophic_55 (EB), Kieran_53 (EB), Quenya_57 (EB), Rona_53 (EB), Sharkboy_54 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 9 was manually annotated 3 times for cluster EB.
- Start number 10 was manually annotated 1 time for cluster EB.
- Start number 11 was manually annotated 5 times for cluster EB.
- Start number 15 was manually annotated 8 times for cluster EB.
- Start number 17 was manually annotated 14 times for cluster EB.

Gene Information:

Gene: Akino08_99 Start: 38324, Stop: 38584, Start Num: 11

Candidate Starts for Akino08_99:

(Start: 11 @38324 has 5 MA's),

Gene: Armstrong_55 Start: 34759, Stop: 34983, Start Num: 15

Candidate Starts for Armstrong_55:

(Start: 15 @34759 has 8 MA's),

Gene: BAjuniper_55 Start: 37299, Stop: 37520, Start Num: 17

Candidate Starts for BAjuniper_55:

(5, 37236), (Start: 17 @37299 has 14 MA's), (20, 37356),

Gene: BabyYoda_56 Start: 37257, Stop: 37517, Start Num: 11

Candidate Starts for BabyYoda_56:

(Start: 11 @37257 has 5 MA's),

Gene: Bachaco_54 Start: 37983, Stop: 38204, Start Num: 17

Candidate Starts for Bachaco_54:

(Start: 17 @37983 has 14 MA's),

Gene: Bengal_58 Start: 36501, Stop: 36746, Start Num: 14

Candidate Starts for Bengal_58:

(3, 36417), (8, 36480), (Start: 11 @36486 has 5 MA's), (14, 36501),

Gene: Bernstein_55 Start: 34757, Stop: 34981, Start Num: 15

Candidate Starts for Bernstein_55:

(Start: 15 @34757 has 8 MA's),

Gene: Brahms_55 Start: 34659, Stop: 34883, Start Num: 15

Candidate Starts for Brahms_55:

(Start: 15 @34659 has 8 MA's),

Gene: Cashington_55 Start: 35827, Stop: 36072, Start Num: 14

Candidate Starts for Cashington_55:

(2, 35695), (3, 35743), (8, 35806), (Start: 11 @35812 has 5 MA's), (14, 35827),

Gene: Celaena_54 Start: 37745, Stop: 37966, Start Num: 17

Candidate Starts for Celaena_54:

(Start: 17 @37745 has 14 MA's),

Gene: ChiliPepper_53 Start: 37055, Stop: 37276, Start Num: 17
Candidate Starts for ChiliPepper_53:
(Start: 17 @37055 has 14 MA's),

Gene: Clayda5_57 Start: 34724, Stop: 34948, Start Num: 15
Candidate Starts for Clayda5_57:
(Start: 15 @34724 has 8 MA's),

Gene: CliffHanger_62 Start: 35855, Stop: 36130, Start Num: 10
Candidate Starts for CliffHanger_62:
(1, 35687), (4, 35801), (Start: 10 @35855 has 1 MA's), (18, 35903), (22, 35969),

Gene: Coltrane_55 Start: 34659, Stop: 34883, Start Num: 15
Candidate Starts for Coltrane_55:
(Start: 15 @34659 has 8 MA's),

Gene: DirtyBubble_55 Start: 36927, Stop: 37187, Start Num: 11
Candidate Starts for DirtyBubble_55:
(Start: 11 @36927 has 5 MA's),

Gene: Dismas_54 Start: 36976, Stop: 37197, Start Num: 17
Candidate Starts for Dismas_54:
(Start: 17 @36976 has 14 MA's),

Gene: Eden_56 Start: 35874, Stop: 36098, Start Num: 17
Candidate Starts for Eden_56:
(5, 35811), (Start: 17 @35874 has 14 MA's), (22, 35949),

Gene: Elva_58 Start: 37321, Stop: 37581, Start Num: 11
Candidate Starts for Elva_58:
(Start: 11 @37321 has 5 MA's), (14, 37336),

Gene: FlameThrower_53 Start: 36782, Stop: 37003, Start Num: 17
Candidate Starts for FlameThrower_53:
(Start: 17 @36782 has 14 MA's),

Gene: Franklin22_58 Start: 35518, Stop: 35742, Start Num: 17
Candidate Starts for Franklin22_58:
(6, 35458), (Start: 17 @35518 has 14 MA's), (20, 35575),

Gene: Gack_55 Start: 35465, Stop: 35689, Start Num: 17
Candidate Starts for Gack_55:
(7, 35414), (12, 35432), (13, 35435), (16, 35462), (Start: 17 @35465 has 14 MA's), (23, 35642), (25, 35675),

Gene: Icarian_59 Start: 37925, Stop: 38185, Start Num: 11
Candidate Starts for Icarian_59:
(Start: 11 @37925 has 5 MA's),

Gene: Katzastrophic_55 Start: 37292, Stop: 37513, Start Num: 17
Candidate Starts for Katzastrophic_55:
(Start: 17 @37292 has 14 MA's),

Gene: Kieran_53 Start: 37017, Stop: 37238, Start Num: 17

Candidate Starts for Kieran_53:

(Start: 17 @37017 has 14 MA's),

Gene: Loviatar_99 Start: 38339, Stop: 38599, Start Num: 11

Candidate Starts for Loviatar_99:

(Start: 11 @38339 has 5 MA's),

Gene: PhigPhack_58 Start: 36365, Stop: 36610, Start Num: 14

Candidate Starts for PhigPhack_58:

(2, 36233), (3, 36281), (8, 36344), (Start: 11 @36350 has 5 MA's), (14, 36365), (19, 36431),

Gene: Quenya_57 Start: 37424, Stop: 37645, Start Num: 17

Candidate Starts for Quenya_57:

(Start: 17 @37424 has 14 MA's), (24, 37616),

Gene: Rollins_55 Start: 34757, Stop: 34981, Start Num: 15

Candidate Starts for Rollins_55:

(Start: 15 @34757 has 8 MA's),

Gene: Rona_53 Start: 36967, Stop: 37188, Start Num: 17

Candidate Starts for Rona_53:

(Start: 17 @36967 has 14 MA's),

Gene: Sharkboy_54 Start: 37066, Stop: 37287, Start Num: 17

Candidate Starts for Sharkboy_54:

(Start: 17 @37066 has 14 MA's),

Gene: Shayna_62 Start: 36677, Stop: 36955, Start Num: 9

Candidate Starts for Shayna_62:

(Start: 9 @36677 has 3 MA's), (21, 36785),

Gene: Skylord_55 Start: 34698, Stop: 34922, Start Num: 15

Candidate Starts for Skylord_55:

(Start: 15 @34698 has 8 MA's),

Gene: Stromboli_56 Start: 37294, Stop: 37554, Start Num: 11

Candidate Starts for Stromboli_56:

(Start: 11 @37294 has 5 MA's),

Gene: SunnyD_62 Start: 36683, Stop: 36961, Start Num: 9

Candidate Starts for SunnyD_62:

(Start: 9 @36683 has 3 MA's), (21, 36791),

Gene: Teagster_61 Start: 36981, Stop: 37259, Start Num: 9

Candidate Starts for Teagster_61:

(Start: 9 @36981 has 3 MA's), (21, 37089),

Gene: Vitas_55 Start: 34730, Stop: 34954, Start Num: 15

Candidate Starts for Vitas_55:

(Start: 15 @34730 has 8 MA's),

Gene: WalkingDead_58 Start: 38049, Stop: 38309, Start Num: 11
Candidate Starts for WalkingDead_58:
(Start: 11 @38049 has 5 MA's),