

Pham 3785



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 3785 Report

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

Pham number 3785 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Jovita_30, Kenzers_30, Lynlen_30
- Track 2 : Lahqtemish_29, IndyLu_29
- Track 3 : Doobus_29, LimaBean_29, Johnathan_29, Avocadoman_29, SansAfet_30, Abigail_29, AnnaLie_31, BelmontSKP_31
- Track 4 : Eula_30, QMacho_31, TukTuk_30
- Track 5 : AvGardian_31
- Track 6 : Phisb_32
- Track 7 : Icarian_33
- Track 8 : Swervy_30
- Track 9 : Albedo_30
- Track 10 : Gingerbug_66

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 18 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abigail_29, Albedo_30, AnnaLie_31, AvGardian_31, Avocadoman_29, BelmontSKP_31, Doobus_29, Eula_30, Gingerbug_66, Icarian_33, Johnathan_29, Jovita_30, Kenzers_30, LimaBean_29, Lynlen_30, Phisb_32, QMacho_31, SansAfet_30, Swervy_30, TukTuk_30,

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

-

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

- IndyLu_29, Lahqtemish_29,

Summary by start number:

Start 1:

- Found in 20 of 22 (90.9%) of genes in pham
- Manual Annotations of this start: 18 of 20

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abigail_29 (EB), Albedo_30 (EB), AnnaLie_31 (EB), AvGardian_31 (EB), Avocadoman_29 (EB), BelmontSKP_31 (EB), Doobus_29 (EB), Eula_30 (EB), Gingerbug_66 (GF), Icarian_33 (EB), Johnathan_29 (EB), Jovita_30 (EB), Kenzers_30 (EB), LimaBean_29 (EB), Lynlen_30 (EB), Phisb_32 (EB), QMacho_31 (EB), SansAfet_30 (EB), Swervy_30 (EB), TukTuk_30 (EB),

Start 2:

- Found in 2 of 22 (9.1%) of genes in pham
- Manual Annotations of this start: 2 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IndyLu_29 (EB), Lahqtemish_29 (EB),

Summary by clusters:

There are 2 clusters represented in this pham: GF, EB,

Info for manual annotations of cluster EB:

- Start number 1 was manually annotated 17 times for cluster EB.
- Start number 2 was manually annotated 2 times for cluster EB.

Info for manual annotations of cluster GF:

- Start number 1 was manually annotated 1 time for cluster GF.

Gene Information:

Gene: Abigail_29 Start: 21970, Stop: 22134, Start Num: 1

Candidate Starts for Abigail_29:

(Start: 1 @21970 has 18 MA's), (5, 22054),

Gene: Albedo_30 Start: 22436, Stop: 22600, Start Num: 1

Candidate Starts for Albedo_30:

(Start: 1 @22436 has 18 MA's), (5, 22520),

Gene: AnnaLie_31 Start: 22719, Stop: 22883, Start Num: 1

Candidate Starts for AnnaLie_31:

(Start: 1 @22719 has 18 MA's), (5, 22803),

Gene: AvGardian_31 Start: 22776, Stop: 22937, Start Num: 1

Candidate Starts for AvGardian_31:

(Start: 1 @22776 has 18 MA's), (4, 22845), (5, 22857),

Gene: Avocadoman_29 Start: 21912, Stop: 22076, Start Num: 1

Candidate Starts for Avocadoman_29:

(Start: 1 @21912 has 18 MA's), (5, 21996),

Gene: BelmontSKP_31 Start: 22719, Stop: 22883, Start Num: 1

Candidate Starts for BelmontSKP_31:

(Start: 1 @22719 has 18 MA's), (5, 22803),

Gene: Doobus_29 Start: 22079, Stop: 22243, Start Num: 1

Candidate Starts for Doobus_29:

(Start: 1 @22079 has 18 MA's), (5, 22163),

Gene: Eula_30 Start: 22395, Stop: 22559, Start Num: 1

Candidate Starts for Eula_30:

(Start: 1 @22395 has 18 MA's), (5, 22479), (7, 22521),

Gene: Gingerbug_66 Start: 38380, Stop: 38544, Start Num: 1

Candidate Starts for Gingerbug_66:

(Start: 1 @38380 has 18 MA's), (5, 38461),

Gene: Icarian_33 Start: 23189, Stop: 23350, Start Num: 1

Candidate Starts for Icarian_33:

(Start: 1 @23189 has 18 MA's), (3, 23210), (5, 23270), (6, 23279), (8, 23339),

Gene: IndyLu_29 Start: 22257, Stop: 22415, Start Num: 2

Candidate Starts for IndyLu_29:

(Start: 2 @22257 has 2 MA's), (5, 22335),

Gene: Johnathan_29 Start: 21852, Stop: 22016, Start Num: 1

Candidate Starts for Johnathan_29:

(Start: 1 @21852 has 18 MA's), (5, 21936),

Gene: Jovita_30 Start: 22498, Stop: 22662, Start Num: 1

Candidate Starts for Jovita_30:

(Start: 1 @22498 has 18 MA's), (5, 22582),

Gene: Kenzers_30 Start: 22385, Stop: 22549, Start Num: 1

Candidate Starts for Kenzers_30:

(Start: 1 @22385 has 18 MA's), (5, 22469),

Gene: Lahqtemish_29 Start: 22308, Stop: 22466, Start Num: 2

Candidate Starts for Lahqtemish_29:

(Start: 2 @22308 has 2 MA's), (5, 22386),

Gene: LimaBean_29 Start: 21848, Stop: 22012, Start Num: 1

Candidate Starts for LimaBean_29:

(Start: 1 @21848 has 18 MA's), (5, 21932),

Gene: Lynlen_30 Start: 22385, Stop: 22549, Start Num: 1

Candidate Starts for Lynlen_30:

(Start: 1 @22385 has 18 MA's), (5, 22469),

Gene: Phisb_32 Start: 22451, Stop: 22615, Start Num: 1

Candidate Starts for Phisb_32:

(Start: 1 @22451 has 18 MA's), (5, 22535),

Gene: QMacho_31 Start: 22878, Stop: 23042, Start Num: 1

Candidate Starts for QMacho_31:

(Start: 1 @22878 has 18 MA's), (5, 22962), (7, 23004),

Gene: SansAfet_30 Start: 22320, Stop: 22484, Start Num: 1

Candidate Starts for SansAfet_30:

(Start: 1 @22320 has 18 MA's), (5, 22404),

Gene: Swervy_30 Start: 22375, Stop: 22539, Start Num: 1

Candidate Starts for Swervy_30:

(Start: 1 @22375 has 18 MA's), (5, 22459),

Gene: TukTuk_30 Start: 22434, Stop: 22598, Start Num: 1

Candidate Starts for TukTuk_30:

(Start: 1 @22434 has 18 MA's), (5, 22518), (7, 22560),