



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 224840 Report

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

Pham number 224840 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Miley16_72, Wigglewiggles_72, Gabriela_70, Zakai_73, Itos_71, Underpass_64, Kahlid_72, Rumpelstiltskin_71, DrSeegs_72, Winky_72, Breezona_72, BigCheese_72, BobsGarage_72, Soap141_72, GuuelaD_70, Netyap_73, Nicholasp3_72, LilDestine_72, Gardann_73, Faith1_72, MkaliMitinis3_73, Wilder_73, Sarshaun_73
- Track 2 : Lewan_73
- Track 3 : Loadrie_71

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 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigCheese_72, BobsGarage_72, Breezona_72, DrSeegs_72, Faith1_72, Gabriela_70, Gardann_73, GuuelaD_70, Itos_71, Kahlid_72, LilDestine_72, Loadrie_71, Miley16_72, MkaliMitinis3_73, Netyap_73, Nicholasp3_72, Rumpelstiltskin_71, Sarshaun_73, Soap141_72, Underpass_64, Wigglewiggles_72, Wilder_73, Winky_72, Zakai_73,

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

- Lewan_73,

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 22
- Called 96.0% of time when present
- Phage (with cluster) where this start called: BigCheese_72 (L2), BobsGarage_72 (L2), Breezona_72 (L2), DrSeegs_72 (L2), Faith1_72 (L2), Gabriela_70 (L2),

Gardann_73 (L2), GuuelaD_70 (L2), Itos_71 (L2), Kahlid_72 (L2), LilDestine_72 (L2), Loadrie_71 (L2), Miley16_72 (L2), MkaliMitinis3_73 (L2), Netyap_73 (L2), Nicholasp3_72 (L2), Rumpelstiltskin_71 (L2), Sarshaun_73 (L2), Soap141_72 (L2), Underpass_64 (L2), Wigglewiggles_72 (L2), Wilder_73 (L2), Winky_72 (L2), Zakai_73 (L2),

Start 2:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Lewan_73 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:

- Start number 1 was manually annotated 21 times for cluster L2.
- Start number 2 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: BigCheese_72 Start: 49129, Stop: 49383, Start Num: 1

Candidate Starts for BigCheese_72:

(Start: 1 @49129 has 21 MA's), (Start: 2 @49150 has 1 MA's), (3, 49195), (4, 49225), (5, 49264), (6, 49270),

Gene: BobsGarage_72 Start: 49129, Stop: 49383, Start Num: 1

Candidate Starts for BobsGarage_72:

(Start: 1 @49129 has 21 MA's), (Start: 2 @49150 has 1 MA's), (3, 49195), (4, 49225), (5, 49264), (6, 49270),

Gene: Breezona_72 Start: 49129, Stop: 49383, Start Num: 1

Candidate Starts for Breezona_72:

(Start: 1 @49129 has 21 MA's), (Start: 2 @49150 has 1 MA's), (3, 49195), (4, 49225), (5, 49264), (6, 49270),

Gene: DrSeegs_72 Start: 49129, Stop: 49383, Start Num: 1

Candidate Starts for DrSeegs_72:

(Start: 1 @49129 has 21 MA's), (Start: 2 @49150 has 1 MA's), (3, 49195), (4, 49225), (5, 49264), (6, 49270),

Gene: Faith1_72 Start: 49129, Stop: 49383, Start Num: 1

Candidate Starts for Faith1_72:

(Start: 1 @49129 has 21 MA's), (Start: 2 @49150 has 1 MA's), (3, 49195), (4, 49225), (5, 49264), (6, 49270),

Gene: Gabriela_70 Start: 47976, Stop: 48230, Start Num: 1

Candidate Starts for Gabriela_70:

(Start: 1 @47976 has 21 MA's), (Start: 2 @47997 has 1 MA's), (3, 48042), (4, 48072), (5, 48111), (6, 48117),

Gene: Gardann_73 Start: 49162, Stop: 49416, Start Num: 1

Candidate Starts for Gardann_73:

(Start: 1 @49162 has 21 MA's), (Start: 2 @49183 has 1 MA's), (3, 49228), (4, 49258), (5, 49297), (6, 49303),

Gene: GuuelaD_70 Start: 49244, Stop: 49498, Start Num: 1

Candidate Starts for GuuelaD_70:

(Start: 1 @49244 has 21 MA's), (Start: 2 @49265 has 1 MA's), (3, 49310), (4, 49340), (5, 49379), (6, 49385),

Gene: Itos_71 Start: 48035, Stop: 48289, Start Num: 1

Candidate Starts for Itos_71:

(Start: 1 @48035 has 21 MA's), (Start: 2 @48056 has 1 MA's), (3, 48101), (4, 48131), (5, 48170), (6, 48176),

Gene: Kahlid_72 Start: 49135, Stop: 49389, Start Num: 1

Candidate Starts for Kahlid_72:

(Start: 1 @49135 has 21 MA's), (Start: 2 @49156 has 1 MA's), (3, 49201), (4, 49231), (5, 49270), (6, 49276),

Gene: Lewan_73 Start: 49207, Stop: 49440, Start Num: 2

Candidate Starts for Lewan_73:

(Start: 1 @49186 has 21 MA's), (Start: 2 @49207 has 1 MA's), (3, 49252), (4, 49282), (5, 49321), (6, 49327),

Gene: LilDestine_72 Start: 49162, Stop: 49416, Start Num: 1

Candidate Starts for LilDestine_72:

(Start: 1 @49162 has 21 MA's), (Start: 2 @49183 has 1 MA's), (3, 49228), (4, 49258), (5, 49297), (6, 49303),

Gene: Loadrie_71 Start: 49214, Stop: 49468, Start Num: 1

Candidate Starts for Loadrie_71:

(Start: 1 @49214 has 21 MA's), (Start: 2 @49235 has 1 MA's), (3, 49280), (4, 49310), (5, 49349),

Gene: Miley16_72 Start: 49129, Stop: 49383, Start Num: 1

Candidate Starts for Miley16_72:

(Start: 1 @49129 has 21 MA's), (Start: 2 @49150 has 1 MA's), (3, 49195), (4, 49225), (5, 49264), (6, 49270),

Gene: MkaliMitinis3_73 Start: 49198, Stop: 49452, Start Num: 1

Candidate Starts for MkaliMitinis3_73:

(Start: 1 @49198 has 21 MA's), (Start: 2 @49219 has 1 MA's), (3, 49264), (4, 49294), (5, 49333), (6, 49339),

Gene: Netyap_73 Start: 49130, Stop: 49384, Start Num: 1

Candidate Starts for Netyap_73:

(Start: 1 @49130 has 21 MA's), (Start: 2 @49151 has 1 MA's), (3, 49196), (4, 49226), (5, 49265), (6, 49271),

Gene: Nicholasp3_72 Start: 49162, Stop: 49416, Start Num: 1

Candidate Starts for Nicholasp3_72:

(Start: 1 @49162 has 21 MA's), (Start: 2 @49183 has 1 MA's), (3, 49228), (4, 49258), (5, 49297), (6, 49303),

Gene: Rumpelstiltskin_71 Start: 48955, Stop: 49209, Start Num: 1
Candidate Starts for Rumpelstiltskin_71:

(Start: 1 @48955 has 21 MA's), (Start: 2 @48976 has 1 MA's), (3, 49021), (4, 49051), (5, 49090), (6, 49096),

Gene: Sarshaun_73 Start: 49222, Stop: 49476, Start Num: 1
Candidate Starts for Sarshaun_73:

(Start: 1 @49222 has 21 MA's), (Start: 2 @49243 has 1 MA's), (3, 49288), (4, 49318), (5, 49357), (6, 49363),

Gene: Soap141_72 Start: 49222, Stop: 49476, Start Num: 1
Candidate Starts for Soap141_72:

(Start: 1 @49222 has 21 MA's), (Start: 2 @49243 has 1 MA's), (3, 49288), (4, 49318), (5, 49357), (6, 49363),

Gene: Underpass_64 Start: 44198, Stop: 44452, Start Num: 1
Candidate Starts for Underpass_64:

(Start: 1 @44198 has 21 MA's), (Start: 2 @44219 has 1 MA's), (3, 44264), (4, 44294), (5, 44333), (6, 44339),

Gene: Wigglewobble_72 Start: 49186, Stop: 49440, Start Num: 1
Candidate Starts for Wigglewobble_72:

(Start: 1 @49186 has 21 MA's), (Start: 2 @49207 has 1 MA's), (3, 49252), (4, 49282), (5, 49321), (6, 49327),

Gene: Wilder_73 Start: 49135, Stop: 49389, Start Num: 1
Candidate Starts for Wilder_73:

(Start: 1 @49135 has 21 MA's), (Start: 2 @49156 has 1 MA's), (3, 49201), (4, 49231), (5, 49270), (6, 49276),

Gene: Winky_72 Start: 49129, Stop: 49383, Start Num: 1
Candidate Starts for Winky_72:

(Start: 1 @49129 has 21 MA's), (Start: 2 @49150 has 1 MA's), (3, 49195), (4, 49225), (5, 49264), (6, 49270),

Gene: Zakai_73 Start: 49455, Stop: 49709, Start Num: 1
Candidate Starts for Zakai_73:

(Start: 1 @49455 has 21 MA's), (Start: 2 @49476 has 1 MA's), (3, 49521), (4, 49551), (5, 49590), (6, 49596),