

Pham 214421



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 214421 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214421 has 42 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Niktson_61, Brunswick_62, ElephantMan_61, Makai_65, Acai_61, Teacup_62, Gordon_59, Nightmare_63, Truckee_63, LucySwiss_62
- Track 2 : AreFloNak_64, Breylor17_61, CastorTray_65, DevitoJr_61, Darby_60, Trustiboi_61, Nivinsha_63, Synepsis_60
- Track 3 : Tenno_62, CapnMurica_59, Issa_62
- Track 4 : ScienceWizSam_62
- Track 5 : MiniBagel_61
- Track 6 : Tatanka_58
- Track 7 : Tokki_70, Chlochlo_63, Bouchard_66, LilHuddy_66, Shepard_67, Phaby_67
- Track 8 : Giantsbane_65
- Track 9 : Ingrid_68, Loretta_65
- Track 10 : Zippen_67, Inked_67
- Track 11 : Caterpillar_61
- Track 12 : MediumFry_62
- Track 13 : Renaldo_76
- Track 14 : Lewando_71
- Track 15 : Kinny_72, BarbieDoll_72, Biscute_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 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_61, AreFloNak_64, BarbieDoll_72, Biscute_71, Bouchard_66, Breylor17_61, Brunswick_62, CapnMurica_59, CastorTray_65, Caterpillar_61, Chlochlo_63, Darby_60, DevitoJr_61, ElephantMan_61, Giantsbane_65, Gordon_59, Ingrid_68, Inked_67, Issa_62, Kinny_72, Lewando_71, LilHuddy_66, Loretta_65, LucySwiss_62, Makai_65, MediumFry_62, MiniBagel_61, Nightmare_63, Niktson_61, Nivinsha_63, Phaby_67, Renaldo_76, ScienceWizSam_62, Shepard_67, Synepsis_60, Tatanka_58, Teacup_62, Tenno_62, Tokki_70, Truckee_63, Trustiboi_61, Zippen_67,

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 42 of 42 (100.0%) of genes in pham
- Manual Annotations of this start: 30 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acai_61 (AU1), AreFloNak_64 (AU1), BarbieDoll_72 (AU6), Biscute_71 (AU6), Bouchard_66 (AU2), Breylor17_61 (AU1), Brunswick_62 (AU1), CapnMurica_59 (AU1), CastorTray_65 (AU1), Caterpillar_61 (AU4), Chlochlo_63 (AU2), Darby_60 (AU1), DevitoJr_61 (AU1), ElephantMan_61 (AU1), Giantsbane_65 (AU2), Gordon_59 (AU1), Ingrid_68 (AU3), Inked_67 (AU), Issa_62 (AU1), Kinny_72 (AU6), Lewando_71 (AU6), LilHuddy_66 (AU2), Loretta_65 (AU3), LucySwiss_62 (AU1), Makai_65 (AU5), MediumFry_62 (AU4), MiniBagel_61 (AU1), Nightmare_63 (AU1), Niktson_61 (AU1), Nivinsha_63 (AU1), Phaby_67 (AU2), Renaldo_76 (AU6), ScienceWizSam_62 (AU1), Shepard_67 (AU2), Synepsis_60 (AU1), Tatanka_58 (AU1), Teacup_62 (AU1), Tenno_62 (AU1), Tokki_70 (AU2), Truckee_63 (AU5), Trustiboi_61 (AU1), Zippen_67 (AU3),

Summary by clusters:

There are 7 clusters represented in this pham: AU1, AU3, AU2, AU5, AU4, AU6, AU,

Info for manual annotations of cluster AU:

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

Info for manual annotations of cluster AU1:

- Start number 1 was manually annotated 17 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 1 was manually annotated 5 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 1 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 1 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 1 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:

- Start number 1 was manually annotated 1 time for cluster AU6.

Gene Information:

Gene: Acai_61 Start: 44047, Stop: 44346, Start Num: 1

Candidate Starts for Acai_61:

(Start: 1 @44047 has 30 MA's), (5, 44179), (6, 44182), (11, 44281),

Gene: AreFloNak_64 Start: 44018, Stop: 44311, Start Num: 1

Candidate Starts for AreFloNak_64:

(Start: 1 @44018 has 30 MA's), (6, 44156),

Gene: BarbieDoll_72 Start: 44655, Stop: 44960, Start Num: 1

Candidate Starts for BarbieDoll_72:

(Start: 1 @44655 has 30 MA's), (2, 44685), (3, 44727), (9, 44853), (13, 44931),

Gene: Biscute_71 Start: 44307, Stop: 44612, Start Num: 1

Candidate Starts for Biscute_71:

(Start: 1 @44307 has 30 MA's), (2, 44337), (3, 44379), (9, 44505), (13, 44583),

Gene: Bouchard_66 Start: 44672, Stop: 44965, Start Num: 1

Candidate Starts for Bouchard_66:

(Start: 1 @44672 has 30 MA's),

Gene: Breylor17_61 Start: 44593, Stop: 44886, Start Num: 1

Candidate Starts for Breylor17_61:

(Start: 1 @44593 has 30 MA's), (6, 44731),

Gene: Brunswick_62 Start: 43890, Stop: 44189, Start Num: 1

Candidate Starts for Brunswick_62:

(Start: 1 @43890 has 30 MA's), (5, 44022), (6, 44025), (11, 44124),

Gene: CapnMurica_59 Start: 44782, Stop: 45072, Start Num: 1

Candidate Starts for CapnMurica_59:

(Start: 1 @44782 has 30 MA's), (5, 44914), (6, 44917),

Gene: CastorTray_65 Start: 44782, Stop: 45075, Start Num: 1

Candidate Starts for CastorTray_65:

(Start: 1 @44782 has 30 MA's), (6, 44920),

Gene: Caterpillar_61 Start: 43710, Stop: 44000, Start Num: 1

Candidate Starts for Caterpillar_61:

(Start: 1 @43710 has 30 MA's), (4, 43827), (5, 43842), (6, 43845),

Gene: Chlochlo_63 Start: 44198, Stop: 44491, Start Num: 1

Candidate Starts for Chlochlo_63:

(Start: 1 @44198 has 30 MA's),

Gene: Darby_60 Start: 43828, Stop: 44121, Start Num: 1

Candidate Starts for Darby_60:

(Start: 1 @43828 has 30 MA's), (6, 43966),

Gene: DevitoJr_61 Start: 44214, Stop: 44507, Start Num: 1

Candidate Starts for DevitoJr_61:

(Start: 1 @44214 has 30 MA's), (6, 44352),

Gene: ElephantMan_61 Start: 44520, Stop: 44819, Start Num: 1

Candidate Starts for ElephantMan_61:

(Start: 1 @44520 has 30 MA's), (5, 44652), (6, 44655), (11, 44754),

Gene: Giantsbane_65 Start: 43403, Stop: 43696, Start Num: 1

Candidate Starts for Giantsbane_65:

(Start: 1 @43403 has 30 MA's), (2, 43433),

Gene: Gordon_59 Start: 44700, Stop: 44999, Start Num: 1

Candidate Starts for Gordon_59:

(Start: 1 @44700 has 30 MA's), (5, 44832), (6, 44835), (11, 44934),

Gene: Ingrid_68 Start: 44584, Stop: 44877, Start Num: 1

Candidate Starts for Ingrid_68:

(Start: 1 @44584 has 30 MA's), (5, 44719), (8, 44746),

Gene: Inked_67 Start: 45260, Stop: 45550, Start Num: 1

Candidate Starts for Inked_67:

(Start: 1 @45260 has 30 MA's), (4, 45377), (5, 45392), (6, 45395), (10, 45452), (12, 45488),

Gene: Issa_62 Start: 43876, Stop: 44166, Start Num: 1

Candidate Starts for Issa_62:

(Start: 1 @43876 has 30 MA's), (5, 44008), (6, 44011),

Gene: Kinny_72 Start: 45135, Stop: 45440, Start Num: 1

Candidate Starts for Kinny_72:

(Start: 1 @45135 has 30 MA's), (2, 45165), (3, 45207), (9, 45333), (13, 45411),

Gene: Lewando_71 Start: 44727, Stop: 45032, Start Num: 1

Candidate Starts for Lewando_71:

(Start: 1 @44727 has 30 MA's), (3, 44799), (9, 44925), (13, 45003),

Gene: LilHuddy_66 Start: 44510, Stop: 44803, Start Num: 1

Candidate Starts for LilHuddy_66:

(Start: 1 @44510 has 30 MA's),

Gene: Loretta_65 Start: 44584, Stop: 44877, Start Num: 1

Candidate Starts for Loretta_65:

(Start: 1 @44584 has 30 MA's), (5, 44719), (8, 44746),

Gene: LucySwiss_62 Start: 43671, Stop: 43970, Start Num: 1

Candidate Starts for LucySwiss_62:

(Start: 1 @43671 has 30 MA's), (5, 43803), (6, 43806), (11, 43905),

Gene: Makai_65 Start: 44655, Stop: 44951, Start Num: 1

Candidate Starts for Makai_65:

(Start: 1 @44655 has 30 MA's), (5, 44787), (6, 44790), (11, 44886),

Gene: MediumFry_62 Start: 44006, Stop: 44296, Start Num: 1

Candidate Starts for MediumFry_62:

(Start: 1 @44006 has 30 MA's), (4, 44123), (5, 44138), (6, 44141),

Gene: MiniBagel_61 Start: 44764, Stop: 45063, Start Num: 1

Candidate Starts for MiniBagel_61:

(Start: 1 @44764 has 30 MA's), (5, 44896), (11, 44998),

Gene: Nightmare_63 Start: 45062, Stop: 45361, Start Num: 1
Candidate Starts for Nightmare_63:
(Start: 1 @45062 has 30 MA's), (5, 45194), (6, 45197), (11, 45296),

Gene: Niktson_61 Start: 44520, Stop: 44819, Start Num: 1
Candidate Starts for Niktson_61:
(Start: 1 @44520 has 30 MA's), (5, 44652), (6, 44655), (11, 44754),

Gene: Nivinsha_63 Start: 44018, Stop: 44311, Start Num: 1
Candidate Starts for Nivinsha_63:
(Start: 1 @44018 has 30 MA's), (6, 44156),

Gene: Phaby_67 Start: 45074, Stop: 45367, Start Num: 1
Candidate Starts for Phaby_67:
(Start: 1 @45074 has 30 MA's),

Gene: Renaldo_76 Start: 45093, Stop: 45398, Start Num: 1
Candidate Starts for Renaldo_76:
(Start: 1 @45093 has 30 MA's), (3, 45165), (9, 45291), (13, 45369),

Gene: ScienceWizSam_62 Start: 44180, Stop: 44473, Start Num: 1
Candidate Starts for ScienceWizSam_62:
(Start: 1 @44180 has 30 MA's), (6, 44318),

Gene: Shepard_67 Start: 44369, Stop: 44662, Start Num: 1
Candidate Starts for Shepard_67:
(Start: 1 @44369 has 30 MA's),

Gene: Synopsis_60 Start: 44184, Stop: 44477, Start Num: 1
Candidate Starts for Synopsis_60:
(Start: 1 @44184 has 30 MA's), (6, 44322),

Gene: Tatanka_58 Start: 44317, Stop: 44610, Start Num: 1
Candidate Starts for Tatanka_58:
(Start: 1 @44317 has 30 MA's), (6, 44455), (7, 44467),

Gene: Teacup_62 Start: 44599, Stop: 44898, Start Num: 1
Candidate Starts for Teacup_62:
(Start: 1 @44599 has 30 MA's), (5, 44731), (6, 44734), (11, 44833),

Gene: Tenno_62 Start: 44837, Stop: 45127, Start Num: 1
Candidate Starts for Tenno_62:
(Start: 1 @44837 has 30 MA's), (5, 44969), (6, 44972),

Gene: Tokki_70 Start: 44723, Stop: 45016, Start Num: 1
Candidate Starts for Tokki_70:
(Start: 1 @44723 has 30 MA's),

Gene: Truckee_63 Start: 44439, Stop: 44735, Start Num: 1
Candidate Starts for Truckee_63:
(Start: 1 @44439 has 30 MA's), (5, 44571), (6, 44574), (11, 44670),

Gene: Trustiboi_61 Start: 44439, Stop: 44732, Start Num: 1

Candidate Starts for Trustiboi_61:

(Start: 1 @44439 has 30 MA's), (6, 44577),

Gene: Zippen_67 Start: 45128, Stop: 45418, Start Num: 1

Candidate Starts for Zippen_67:

(Start: 1 @45128 has 30 MA's), (4, 45245), (5, 45260), (6, 45263), (10, 45320), (12, 45356),