

Pham 163729



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 163729 Report

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

Pham number 163729 has 41 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Inked_67
- Track 2 : Niktson_61, Brunswick_61, ElephantMan_61, Makai_65, Teacup_62, Gordon_59, Truckee_63, Nightmare_63
- Track 3 : AreFloNak_64, Breylor17_61, CastorTray_65, DevitoJr_61, Darby_60, Trustiboi_61, Nivinsha_63, Synopsis_60
- Track 4 : ScienceWizSam_62
- Track 5 : MiniBagel_59
- Track 6 : CapnMurica_59, Tenno_62, Issa_62
- Track 7 : Tatanka_58
- Track 8 : Tokki_70, LilHuddy_66, Shepard_67, Phaby_66
- Track 9 : Giantsbane_65
- Track 10 : Ingrid_68, Loretta_65
- Track 11 : Caterpillar_61
- Track 12 : MediumFry_62
- Track 13 : MediumFry_66
- Track 14 : Renaldo_76
- Track 15 : Lewando_71
- Track 16 : BarbieDoll_72
- Track 17 : Jazzy4900_65, Sunny4976_64
- Track 18 : Qui_181, Elver_177, Paella_181

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

The start number called the most often in the published annotations is 6, it was called in 29 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AreFloNak_64, BarbieDoll_72, Breylor17_61, Brunswick_61, CapnMurica_59, CastorTray_65, Caterpillar_61, Darby_60, DevitoJr_61, ElephantMan_61, Elver_177, Giantsbane_65, Gordon_59, Ingrid_68, Inked_67, Issa_62, Jazzy4900_65, Lewando_71, LilHuddy_66, Loretta_65, Makai_65, MediumFry_62, MiniBagel_59, Nightmare_63, Niktson_61, Nivinsha_63, Paella_181, Phaby_66, Qui_181, Renaldo_76, ScienceWizSam_62, Shepard_67, Sunny4976_64, Synopsis_60, Tatanka_58, Teacup_62, Tenno_62, Tokki_70, Truckee_63, Trustiboi_61,

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

-

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

- MediumFry_66,

Summary by start number:

Start 6:

- Found in 40 of 41 (97.6%) of genes in pham
- Manual Annotations of this start: 29 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_64 (AU1), BarbieDoll_72 (AU6), Breylor17_61 (AU1), Brunswick_61 (AU1), CapnMurica_59 (AU1), CastorTray_65 (AU1), Caterpillar_61 (AU4), Darby_60 (AU1), DevitoJr_61 (AU1), ElephantMan_61 (AU1), Elver_177 (FK), Giantsbane_65 (AU2), Gordon_59 (AU1), Ingrid_68 (AU3), Inked_67 (AU), Issa_62 (AU1), Jazzy4900_65 (FI), Lewando_71 (AU6), LilHuddy_66 (AU2), Loretta_65 (AU3), Makai_65 (AU5), MediumFry_62 (AU4), MiniBage1_59 (AU1), Nightmare_63 (AU1), Niktson_61 (AU1), Nivinsha_63 (AU1), Paella_181 (FK), Phaby_66 (AU2), Qui_181 (FK), Renaldo_76 (AU6), ScienceWizSam_62 (AU1), Shepard_67 (AU2), Sunny4976_64 (FI), Synepsis_60 (AU1), Tatanka_58 (AU1), Teacup_62 (AU1), Tenno_62 (AU1), Tokki_70 (AU2), Truckee_63 (AU5), Trustiboi_61 (AU1),

Start 7:

- Found in 1 of 41 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MediumFry_66 (AU4),

Summary by clusters:

There are 9 clusters represented in this pham: AU5, AU1, AU3, AU2, AU, AU4, AU6, FI, FK,

Info for manual annotations of cluster AU:

- Start number 6 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU1:

- Start number 6 was manually annotated 15 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 6 was manually annotated 4 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 6 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 6 was manually annotated 2 times for cluster AU4.
- Start number 7 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 6 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:

- Start number 6 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 6 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: AreFloNak_64 Start: 44018, Stop: 44311, Start Num: 6

Candidate Starts for AreFloNak_64:

(Start: 6 @44018 has 29 MA's), (12, 44156),

Gene: BarbieDoll_72 Start: 44655, Stop: 44960, Start Num: 6

Candidate Starts for BarbieDoll_72:

(Start: 6 @44655 has 29 MA's), (8, 44685), (9, 44727), (15, 44853), (22, 44931),

Gene: Breylor17_61 Start: 44593, Stop: 44886, Start Num: 6

Candidate Starts for Breylor17_61:

(Start: 6 @44593 has 29 MA's), (12, 44731),

Gene: Brunswick_61 Start: 43890, Stop: 44189, Start Num: 6

Candidate Starts for Brunswick_61:

(Start: 6 @43890 has 29 MA's), (11, 44022), (12, 44025), (20, 44124),

Gene: CapnMurica_59 Start: 44782, Stop: 45072, Start Num: 6

Candidate Starts for CapnMurica_59:

(Start: 6 @44782 has 29 MA's), (11, 44914), (12, 44917),

Gene: CastorTray_65 Start: 44782, Stop: 45075, Start Num: 6

Candidate Starts for CastorTray_65:

(Start: 6 @44782 has 29 MA's), (12, 44920),

Gene: Caterpillar_61 Start: 43710, Stop: 44000, Start Num: 6

Candidate Starts for Caterpillar_61:

(Start: 6 @43710 has 29 MA's), (10, 43827), (11, 43842), (12, 43845),

Gene: Darby_60 Start: 43828, Stop: 44121, Start Num: 6

Candidate Starts for Darby_60:

(Start: 6 @43828 has 29 MA's), (12, 43966),

Gene: DevitoJr_61 Start: 44214, Stop: 44507, Start Num: 6

Candidate Starts for DevitoJr_61:

(Start: 6 @44214 has 29 MA's), (12, 44352),

Gene: ElephantMan_61 Start: 44520, Stop: 44819, Start Num: 6

Candidate Starts for ElephantMan_61:

(Start: 6 @44520 has 29 MA's), (11, 44652), (12, 44655), (20, 44754),

Gene: Elver_177 Start: 88404, Stop: 88703, Start Num: 6

Candidate Starts for Elver_177:

(Start: 6 @88404 has 29 MA's), (16, 88590), (23, 88686),

Gene: Giantsbane_65 Start: 43403, Stop: 43696, Start Num: 6

Candidate Starts for Giantsbane_65:

(Start: 6 @43403 has 29 MA's), (8, 43433),

Gene: Gordon_59 Start: 44700, Stop: 44999, Start Num: 6

Candidate Starts for Gordon_59:

(Start: 6 @44700 has 29 MA's), (11, 44832), (12, 44835), (20, 44934),

Gene: Ingrid_68 Start: 44584, Stop: 44877, Start Num: 6

Candidate Starts for Ingrid_68:

(Start: 6 @44584 has 29 MA's), (11, 44719), (14, 44746),

Gene: Inked_67 Start: 45260, Stop: 45550, Start Num: 6

Candidate Starts for Inked_67:

(Start: 6 @45260 has 29 MA's), (10, 45377), (11, 45392), (12, 45395), (17, 45452), (21, 45488),

Gene: Issa_62 Start: 43876, Stop: 44166, Start Num: 6

Candidate Starts for Issa_62:

(Start: 6 @43876 has 29 MA's), (11, 44008), (12, 44011),

Gene: Jazzy4900_65 Start: 44572, Stop: 44859, Start Num: 6

Candidate Starts for Jazzy4900_65:

(Start: 6 @44572 has 29 MA's), (16, 44758), (18, 44788), (19, 44791),

Gene: Lewando_71 Start: 44727, Stop: 45032, Start Num: 6

Candidate Starts for Lewando_71:

(Start: 6 @44727 has 29 MA's), (9, 44799), (15, 44925), (22, 45003),

Gene: LilHuddy_66 Start: 44510, Stop: 44803, Start Num: 6

Candidate Starts for LilHuddy_66:

(Start: 6 @44510 has 29 MA's),

Gene: Loretta_65 Start: 44584, Stop: 44877, Start Num: 6

Candidate Starts for Loretta_65:

(Start: 6 @44584 has 29 MA's), (11, 44719), (14, 44746),

Gene: Makai_65 Start: 44655, Stop: 44951, Start Num: 6

Candidate Starts for Makai_65:

(Start: 6 @44655 has 29 MA's), (11, 44787), (12, 44790), (20, 44886),

Gene: MediumFry_62 Start: 44006, Stop: 44296, Start Num: 6

Candidate Starts for MediumFry_62:

(Start: 6 @44006 has 29 MA's), (10, 44123), (11, 44138), (12, 44141),

Gene: MediumFry_66 Start: 45539, Stop: 45841, Start Num: 7

Candidate Starts for MediumFry_66:

(1, 45362), (2, 45371), (3, 45404), (4, 45458), (5, 45479), (Start: 7 @45539 has 1 MA's),

Gene: MiniBagel_59 Start: 44764, Stop: 45063, Start Num: 6

Candidate Starts for MiniBagel_59:

(Start: 6 @44764 has 29 MA's), (11, 44896), (20, 44998),

Gene: Nightmare_63 Start: 45062, Stop: 45361, Start Num: 6

Candidate Starts for Nightmare_63:

(Start: 6 @45062 has 29 MA's), (11, 45194), (12, 45197), (20, 45296),

Gene: Niktson_61 Start: 44520, Stop: 44819, Start Num: 6

Candidate Starts for Niktson_61:

(Start: 6 @44520 has 29 MA's), (11, 44652), (12, 44655), (20, 44754),

Gene: Nivinsha_63 Start: 44018, Stop: 44311, Start Num: 6

Candidate Starts for Nivinsha_63:

(Start: 6 @44018 has 29 MA's), (12, 44156),

Gene: Paella_181 Start: 89280, Stop: 89579, Start Num: 6

Candidate Starts for Paella_181:

(Start: 6 @89280 has 29 MA's), (16, 89466), (23, 89562),

Gene: Phaby_66 Start: 45074, Stop: 45367, Start Num: 6

Candidate Starts for Phaby_66:

(Start: 6 @45074 has 29 MA's),

Gene: Qui_181 Start: 89277, Stop: 89576, Start Num: 6

Candidate Starts for Qui_181:

(Start: 6 @89277 has 29 MA's), (16, 89463), (23, 89559),

Gene: Renaldo_76 Start: 45093, Stop: 45398, Start Num: 6

Candidate Starts for Renaldo_76:

(Start: 6 @45093 has 29 MA's), (9, 45165), (15, 45291), (22, 45369),

Gene: ScienceWizSam_62 Start: 44180, Stop: 44473, Start Num: 6

Candidate Starts for ScienceWizSam_62:

(Start: 6 @44180 has 29 MA's), (12, 44318),

Gene: Shepard_67 Start: 44369, Stop: 44662, Start Num: 6

Candidate Starts for Shepard_67:

(Start: 6 @44369 has 29 MA's),

Gene: Sunny4976_64 Start: 44572, Stop: 44859, Start Num: 6

Candidate Starts for Sunny4976_64:

(Start: 6 @44572 has 29 MA's), (16, 44758), (18, 44788), (19, 44791),

Gene: Synopsis_60 Start: 44184, Stop: 44477, Start Num: 6

Candidate Starts for Synopsis_60:

(Start: 6 @44184 has 29 MA's), (12, 44322),

Gene: Tatanka_58 Start: 44317, Stop: 44610, Start Num: 6

Candidate Starts for Tatanka_58:

(Start: 6 @44317 has 29 MA's), (12, 44455), (13, 44467),

Gene: Teacup_62 Start: 44599, Stop: 44898, Start Num: 6

Candidate Starts for Teacup_62:

(Start: 6 @44599 has 29 MA's), (11, 44731), (12, 44734), (20, 44833),

Gene: Tenno_62 Start: 44837, Stop: 45127, Start Num: 6

Candidate Starts for Tenno_62:

(Start: 6 @44837 has 29 MA's), (11, 44969), (12, 44972),

Gene: Tokki_70 Start: 44723, Stop: 45016, Start Num: 6

Candidate Starts for Tokki_70:

(Start: 6 @44723 has 29 MA's),

Gene: Truckee_63 Start: 44439, Stop: 44735, Start Num: 6

Candidate Starts for Truckee_63:

(Start: 6 @44439 has 29 MA's), (11, 44571), (12, 44574), (20, 44670),

Gene: Trustiboi_61 Start: 44439, Stop: 44732, Start Num: 6

Candidate Starts for Trustiboi_61:

(Start: 6 @44439 has 29 MA's), (12, 44577),