

Pham 196762



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 196762 Report

This analysis was run 12/09/24 on database version 580.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 196762 has 26 members, 1 are drafts.

Phages represented in each track:

- Track 1 : AbbyDaisy_86
- Track 2 : Wolfstar_67
- Track 3 : Pavlo_64, PhillyPhilly_64, DejaVu_66
- Track 4 : OlinDD_62, Platte_62, Hortus1_62
- Track 5 : Tandem_62, Pioneer3_62
- Track 6 : Alleb_63
- Track 7 : Hubbs_65
- Track 8 : Roman_66
- Track 9 : Lupine_63
- Track 10 : Jacko_65
- Track 11 : Lyell_69, Fork_65, Welcome_70, Musetta_69
- Track 12 : Erenyeager_69, DustyDino_72, RunningBrook_70
- Track 13 : Necrophoxinus_71, ASegato_68
- Track 14 : Yuma_68
- Track 15 : StevieWelch_69

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

The start number called the most often in the published annotations is 7, it was called in 14 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alleb_63, DejaVu_66, Hortus1_62, Hubbs_65, Jacko_65, Lupine_63, OlinDD_62, Pavlo_64, PhillyPhilly_64, Pioneer3_62, Platte_62, Roman_66, Tandem_62, Wolfstar_67,

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:

- ASegato_68, AbbyDaisy_86, DustyDino_72, Erenyeager_69, Fork_65, Lyell_69, Musetta_69, Necrophoxinus_71, RunningBrook_70, StevieWelch_69, Welcome_70, Yuma_68,

Summary by start number:

Start 7:

- Found in 14 of 26 (53.8%) of genes in pham
- Manual Annotations of this start: 14 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alleb_63 (ED1), DejaVu_66 (ED1), Hortus1_62 (ED1), Hubbs_65 (ED1), Jacko_65 (ED1), Lupine_63 (ED1), OlinDD_62 (ED1), Pavlo_64 (ED1), PhillyPhilly_64 (ED1), Pioneer3_62 (ED1), Platte_62 (ED1), Roman_66 (ED1), Tandem_62 (ED1), Wolfstar_67 (ED),

Start 8:

- Found in 11 of 26 (42.3%) of genes in pham
- Manual Annotations of this start: 10 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASegato_68 (ED2), DustyDino_72 (ED2), Erenyeager_69 (ED2), Fork_65 (ED2), Lyell_69 (ED2), Musetta_69 (ED2), Necrophoxinus_71 (ED2), RunningBrook_70 (ED2), StevieWelch_69 (ED2), Welcome_70 (ED2), Yuma_68 (ED2),

Start 13:

- Found in 1 of 26 (3.8%) of genes in pham
- Manual Annotations of this start: 1 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_86 (AY),

Summary by clusters:

There are 4 clusters represented in this pham: ED2, ED, ED1, AY,

Info for manual annotations of cluster AY:

- Start number 13 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster ED:

- Start number 7 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:

- Start number 7 was manually annotated 13 times for cluster ED1.

Info for manual annotations of cluster ED2:

- Start number 8 was manually annotated 10 times for cluster ED2.

Gene Information:

Gene: ASegato_68 Start: 38232, Stop: 37834, Start Num: 8

Candidate Starts for ASegato_68:

(6, 38247), (Start: 8 @38232 has 10 MA's), (15, 38172), (16, 38166), (20, 38148), (22, 38133), (33, 38001),

Gene: AbbyDaisy_86 Start: 49683, Stop: 50093, Start Num: 13

Candidate Starts for AbbyDaisy_86:

(Start: 13 @49683 has 1 MA's), (21, 49761), (25, 49791), (26, 49815), (31, 49884), (36, 50025), (37, 50076),

Gene: Alleb_63 Start: 38335, Stop: 37907, Start Num: 7

Candidate Starts for Alleb_63:

(6, 38347), (Start: 7 @38335 has 14 MA's), (11, 38314), (29, 38128), (35, 38041),

Gene: DejaVu_66 Start: 38300, Stop: 37887, Start Num: 7

Candidate Starts for DejaVu_66:

(6, 38312), (Start: 7 @38300 has 14 MA's), (10, 38285), (15, 38237), (19, 38216), (20, 38213),

Gene: DustyDino_72 Start: 39195, Stop: 38797, Start Num: 8

Candidate Starts for DustyDino_72:

(6, 39210), (Start: 8 @39195 has 10 MA's), (15, 39135), (18, 39114), (33, 38964),

Gene: Erenyeager_69 Start: 38227, Stop: 37829, Start Num: 8

Candidate Starts for Erenyeager_69:

(6, 38242), (Start: 8 @38227 has 10 MA's), (15, 38167), (18, 38146), (33, 37996),

Gene: Fork_65 Start: 37882, Stop: 37484, Start Num: 8

Candidate Starts for Fork_65:

(6, 37897), (Start: 8 @37882 has 10 MA's), (15, 37822), (16, 37816), (20, 37798), (22, 37783), (30, 37699), (33, 37651),

Gene: Hortus1_62 Start: 38511, Stop: 38062, Start Num: 7

Candidate Starts for Hortus1_62:

(6, 38523), (Start: 7 @38511 has 14 MA's), (12, 38481), (14, 38478), (15, 38436), (23, 38373),

Gene: Hubbs_65 Start: 38508, Stop: 38095, Start Num: 7

Candidate Starts for Hubbs_65:

(6, 38520), (Start: 7 @38508 has 14 MA's), (15, 38445), (19, 38424), (20, 38421), (32, 38271), (34, 38253),

Gene: Jacko_65 Start: 37248, Stop: 36841, Start Num: 7

Candidate Starts for Jacko_65:

(Start: 7 @37248 has 14 MA's), (15, 37191), (17, 37176), (29, 37062),

Gene: Lupine_63 Start: 37714, Stop: 37301, Start Num: 7

Candidate Starts for Lupine_63:

(6, 37726), (Start: 7 @37714 has 14 MA's), (14, 37687), (15, 37651), (19, 37630), (29, 37516), (32, 37477),

Gene: Lyell_69 Start: 38141, Stop: 37743, Start Num: 8

Candidate Starts for Lyell_69:

(6, 38156), (Start: 8 @38141 has 10 MA's), (15, 38081), (16, 38075), (20, 38057), (22, 38042), (30, 37958), (33, 37910),

Gene: Musetta_69 Start: 38602, Stop: 38204, Start Num: 8

Candidate Starts for Musetta_69:

(6, 38617), (Start: 8 @38602 has 10 MA's), (15, 38542), (16, 38536), (20, 38518), (22, 38503), (30, 38419), (33, 38371),

Gene: Necrophoxinus_71 Start: 38836, Stop: 38438, Start Num: 8

Candidate Starts for Necrophoxinus_71:

(6, 38851), (Start: 8 @38836 has 10 MA's), (15, 38776), (16, 38770), (20, 38752), (22, 38737), (33, 38605),

Gene: OlinDD_62 Start: 38510, Stop: 38061, Start Num: 7

Candidate Starts for OlinDD_62:

(6, 38522), (Start: 7 @38510 has 14 MA's), (12, 38480), (14, 38477), (15, 38435), (23, 38372),

Gene: Pavlo_64 Start: 38359, Stop: 37946, Start Num: 7

Candidate Starts for Pavlo_64:

(6, 38371), (Start: 7 @38359 has 14 MA's), (10, 38344), (15, 38296), (19, 38275), (20, 38272),

Gene: PhillyPhilly_64 Start: 37893, Stop: 37480, Start Num: 7

Candidate Starts for PhillyPhilly_64:

(6, 37905), (Start: 7 @37893 has 14 MA's), (10, 37878), (15, 37830), (19, 37809), (20, 37806),

Gene: Pioneer3_62 Start: 38332, Stop: 37904, Start Num: 7

Candidate Starts for Pioneer3_62:

(6, 38344), (Start: 7 @38332 has 14 MA's), (29, 38125), (35, 38038),

Gene: Platte_62 Start: 38303, Stop: 37854, Start Num: 7

Candidate Starts for Platte_62:

(6, 38315), (Start: 7 @38303 has 14 MA's), (12, 38273), (14, 38270), (15, 38228), (23, 38165),

Gene: Roman_66 Start: 38562, Stop: 38149, Start Num: 7

Candidate Starts for Roman_66:

(3, 38655), (4, 38589), (5, 38574), (Start: 7 @38562 has 14 MA's), (10, 38547), (15, 38499), (19, 38478), (20, 38475), (35, 38277),

Gene: RunningBrook_70 Start: 39195, Stop: 38797, Start Num: 8

Candidate Starts for RunningBrook_70:

(6, 39210), (Start: 8 @39195 has 10 MA's), (15, 39135), (18, 39114), (33, 38964),

Gene: StevieWelch_69 Start: 38227, Stop: 37829, Start Num: 8

Candidate Starts for StevieWelch_69:

(6, 38242), (Start: 8 @38227 has 10 MA's), (15, 38167), (18, 38146), (24, 38107), (30, 38044), (33, 37996),

Gene: Tandem_62 Start: 38430, Stop: 38002, Start Num: 7

Candidate Starts for Tandem_62:

(6, 38442), (Start: 7 @38430 has 14 MA's), (29, 38223), (35, 38136),

Gene: Welcome_70 Start: 38587, Stop: 38189, Start Num: 8

Candidate Starts for Welcome_70:

(6, 38602), (Start: 8 @38587 has 10 MA's), (15, 38527), (16, 38521), (20, 38503), (22, 38488), (30, 38404), (33, 38356),

Gene: Wolfstar_67 Start: 39602, Stop: 39174, Start Num: 7

Candidate Starts for Wolfstar_67:

(1, 39830), (2, 39827), (6, 39614), (Start: 7 @39602 has 14 MA's), (9, 39593), (15, 39539), (27, 39434), (28, 39431), (35, 39305),

Gene: Yuma_68 Start: 38156, Stop: 37758, Start Num: 8

Candidate Starts for Yuma_68:

(6, 38171), (Start: 8 @38156 has 10 MA's), (15, 38096), (18, 38075), (24, 38036), (30, 37973),