

Pham 294957



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 294957 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294957 has 31 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Phrappuccino_126, Settecandela_126
- Track 2 : Fowlmouth_95
- Track 3 : Indlulamithi_87
- Track 4 : MrMiyagi_94
- Track 5 : Cuke_99
- Track 6 : Gumball_80, PLOT_80, SirHarley_82
- Track 7 : Troll4_79, Helpful_82, Mopey_81, KandZ_77, Giuseppe_81
- Track 8 : Adjutor_78, Thoth_80, WaldoWhy_82, PBI1_76, BigMama_78, Erk16_80, Chill_82, Delton_80, Butterscotch_78, Penelope2018_80
- Track 9 : Prager_80
- Track 10 : Phalaborwa_82
- Track 11 : SuperheroCarly_79
- Track 12 : Nova_79
- Track 13 : Visconti_81
- Track 14 : Hawkeye_92
- Track 15 : DS6A_87

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

The start number called the most often in the published annotations is 11, it was called in 22 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adjutor_78, BigMama_78, Butterscotch_78, Chill_82, Delton_80, Erk16_80, Giuseppe_81, Gumball_80, Helpful_82, KandZ_77, Mopey_81, Nova_79, PBI1_76, PLOT_80, Penelope2018_80, Phalaborwa_82, Prager_80, SirHarley_82, SuperheroCarly_79, Thoth_80, Troll4_79, Visconti_81, WaldoWhy_82,

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:

- Cuke_99, DS6A_87, Fowlmouth_95, Hawkeye_92, Indlulamithi_87, MrMiyagi_94, Phrappuccino_126, Settecandela_126,

Summary by start number:

Start 10:

- Found in 1 of 31 (3.2%) 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: Hawkeye_92 (D2),

Start 11:

- Found in 23 of 31 (74.2%) of genes in pham
- Manual Annotations of this start: 22 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adjutor_78 (D1), BigMama_78 (D1), Butterscotch_78 (D1), Chill_82 (D1), Delton_80 (D1), Erk16_80 (D1), Giuseppe_81 (D1), Gumball_80 (D1), Helpful_82 (D1), KandZ_77 (D1), Mopey_81 (D1), Nova_79 (D1), PBI1_76 (D1), PLOT_80 (D1), Penelope2018_80 (D1), Phalaborwa_82 (D1), Prager_80 (D1), SirHarley_82 (D1), SuperheroCarly_79 (D1), Thoth_80 (D1), Troll4_79 (D1), Visconti_81 (D1), WaldoWhy_82 (D1),

Start 14:

- Found in 28 of 31 (90.3%) of genes in pham
- Manual Annotations of this start: 4 of 30
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Cuke_99 (AC), Fowlmouth_95 (AC), Indlulamithi_87 (AC), MrMiyagi_94 (AC),

Start 17:

- Found in 2 of 31 (6.5%) of genes in pham
- Manual Annotations of this start: 2 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrappuccino_126 (AA), Settecandela_126 (AA),

Start 20:

- Found in 1 of 31 (3.2%) 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: DS6A_87 (singleton),

Summary by clusters:

There are 5 clusters represented in this pham: AA, AC, D2, singleton, D1,

Info for manual annotations of cluster AA:

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

Info for manual annotations of cluster AC:

- Start number 14 was manually annotated 4 times for cluster AC.

Info for manual annotations of cluster D1:

- Start number 11 was manually annotated 22 times for cluster D1.

Info for manual annotations of cluster D2:

•Start number 10 was manually annotated 1 time for cluster D2.

Gene Information:

Gene: Adjutor_78 Start: 58520, Stop: 58834, Start Num: 11

Candidate Starts for Adjutor_78:

(3, 58403), (5, 58466), (Start: 11 @58520 has 22 MA's), (Start: 14 @58529 has 4 MA's), (18, 58574), (21, 58583),

Gene: BigMama_78 Start: 58605, Stop: 58919, Start Num: 11

Candidate Starts for BigMama_78:

(3, 58488), (5, 58551), (Start: 11 @58605 has 22 MA's), (Start: 14 @58614 has 4 MA's), (18, 58659), (21, 58668),

Gene: Butterscotch_78 Start: 58571, Stop: 58885, Start Num: 11

Candidate Starts for Butterscotch_78:

(3, 58454), (5, 58517), (Start: 11 @58571 has 22 MA's), (Start: 14 @58580 has 4 MA's), (18, 58625), (21, 58634),

Gene: Chill_82 Start: 58548, Stop: 58862, Start Num: 11

Candidate Starts for Chill_82:

(3, 58431), (5, 58494), (Start: 11 @58548 has 22 MA's), (Start: 14 @58557 has 4 MA's), (18, 58602), (21, 58611),

Gene: Cuke_99 Start: 56679, Stop: 56984, Start Num: 14

Candidate Starts for Cuke_99:

(4, 56601), (6, 56613), (13, 56676), (Start: 14 @56679 has 4 MA's), (22, 56766), (25, 56823), (30, 56910), (33, 56958),

Gene: DS6A_87 Start: 56210, Stop: 56485, Start Num: 20

Candidate Starts for DS6A_87:

(Start: 20 @56210 has 1 MA's), (31, 56414),

Gene: Delton_80 Start: 58981, Stop: 59295, Start Num: 11

Candidate Starts for Delton_80:

(3, 58864), (5, 58927), (Start: 11 @58981 has 22 MA's), (Start: 14 @58990 has 4 MA's), (18, 59035), (21, 59044),

Gene: Erk16_80 Start: 58641, Stop: 58955, Start Num: 11

Candidate Starts for Erk16_80:

(3, 58524), (5, 58587), (Start: 11 @58641 has 22 MA's), (Start: 14 @58650 has 4 MA's), (18, 58695), (21, 58704),

Gene: Fowlmouth_95 Start: 57786, Stop: 58094, Start Num: 14

Candidate Starts for Fowlmouth_95:

(Start: 14 @57786 has 4 MA's), (19, 57837), (22, 57873), (23, 57885), (25, 57930), (31, 58020),

Gene: Giuseppe_81 Start: 58355, Stop: 58669, Start Num: 11

Candidate Starts for Giuseppe_81:

(2, 58211), (7, 58310), (8, 58328), (Start: 11 @58355 has 22 MA's), (Start: 14 @58364 has 4 MA's), (18, 58409), (21, 58418), (23, 58460),

Gene: Gumball_80 Start: 58986, Stop: 59300, Start Num: 11

Candidate Starts for Gumball_80:

(5, 58932), (Start: 11 @58986 has 22 MA's), (Start: 14 @58995 has 4 MA's), (18, 59040), (21, 59049), (23, 59091),

Gene: Hawkeye_92 Start: 60485, Stop: 60838, Start Num: 10

Candidate Starts for Hawkeye_92:

(Start: 10 @60485 has 1 MA's), (Start: 14 @60497 has 4 MA's), (27, 60683), (33, 60809),

Gene: Helpful_82 Start: 58743, Stop: 59057, Start Num: 11

Candidate Starts for Helpful_82:

(2, 58599), (7, 58698), (8, 58716), (Start: 11 @58743 has 22 MA's), (Start: 14 @58752 has 4 MA's), (18, 58797), (21, 58806), (23, 58848),

Gene: Indlulamithi_87 Start: 59764, Stop: 60048, Start Num: 14

Candidate Starts for Indlulamithi_87:

(Start: 14 @59764 has 4 MA's), (15, 59773), (18, 59809), (23, 59860), (24, 59872), (29, 59956),

Gene: KandZ_77 Start: 58571, Stop: 58885, Start Num: 11

Candidate Starts for KandZ_77:

(2, 58427), (7, 58526), (8, 58544), (Start: 11 @58571 has 22 MA's), (Start: 14 @58580 has 4 MA's), (18, 58625), (21, 58634), (23, 58676),

Gene: Mopey_81 Start: 58381, Stop: 58695, Start Num: 11

Candidate Starts for Mopey_81:

(2, 58237), (7, 58336), (8, 58354), (Start: 11 @58381 has 22 MA's), (Start: 14 @58390 has 4 MA's), (18, 58435), (21, 58444), (23, 58486),

Gene: MrMiyagi_94 Start: 58054, Stop: 58362, Start Num: 14

Candidate Starts for MrMiyagi_94:

(Start: 14 @58054 has 4 MA's), (19, 58105), (22, 58141), (25, 58198), (31, 58288),

Gene: Nova_79 Start: 58848, Stop: 59162, Start Num: 11

Candidate Starts for Nova_79:

(2, 58704), (7, 58803), (8, 58821), (Start: 11 @58848 has 22 MA's), (Start: 14 @58857 has 4 MA's), (18, 58902), (21, 58911), (23, 58953),

Gene: PBI1_76 Start: 58502, Stop: 58816, Start Num: 11

Candidate Starts for PBI1_76:

(3, 58385), (5, 58448), (Start: 11 @58502 has 22 MA's), (Start: 14 @58511 has 4 MA's), (18, 58556), (21, 58565),

Gene: PLOT_80 Start: 58539, Stop: 58853, Start Num: 11

Candidate Starts for PLOT_80:

(5, 58485), (Start: 11 @58539 has 22 MA's), (Start: 14 @58548 has 4 MA's), (18, 58593), (21, 58602), (23, 58644),

Gene: Penelope2018_80 Start: 58570, Stop: 58884, Start Num: 11

Candidate Starts for Penelope2018_80:

(3, 58453), (5, 58516), (Start: 11 @58570 has 22 MA's), (Start: 14 @58579 has 4 MA's), (18, 58624), (21, 58633),

Gene: Phalaborwa_82 Start: 59041, Stop: 59355, Start Num: 11

Candidate Starts for Phalaborwa_82:

(8, 59011), (Start: 11 @59041 has 22 MA's), (Start: 14 @59050 has 4 MA's), (18, 59095), (21, 59104),

Gene: Phrappuccino_126 Start: 92677, Stop: 92982, Start Num: 17

Candidate Starts for Phrappuccino_126:

(1, 92419), (9, 92605), (12, 92638), (16, 92659), (Start: 17 @92677 has 2 MA's), (26, 92800), (28, 92824), (32, 92944), (34, 92977),

Gene: Prager_80 Start: 58475, Stop: 58789, Start Num: 11

Candidate Starts for Prager_80:

(2, 58331), (7, 58430), (8, 58448), (Start: 11 @58475 has 22 MA's), (Start: 14 @58484 has 4 MA's), (18, 58529), (21, 58538),

Gene: Settecandela_126 Start: 92677, Stop: 92982, Start Num: 17

Candidate Starts for Settecandela_126:

(1, 92419), (9, 92605), (12, 92638), (16, 92659), (Start: 17 @92677 has 2 MA's), (26, 92800), (28, 92824), (32, 92944), (34, 92977),

Gene: SirHarley_82 Start: 58970, Stop: 59284, Start Num: 11

Candidate Starts for SirHarley_82:

(5, 58916), (Start: 11 @58970 has 22 MA's), (Start: 14 @58979 has 4 MA's), (18, 59024), (21, 59033), (23, 59075),

Gene: SuperheroCarly_79 Start: 58560, Stop: 58877, Start Num: 11

Candidate Starts for SuperheroCarly_79:

(2, 58416), (7, 58515), (8, 58533), (Start: 11 @58560 has 22 MA's), (Start: 14 @58569 has 4 MA's), (18, 58614), (21, 58623), (23, 58665),

Gene: Thoth_80 Start: 58624, Stop: 58938, Start Num: 11

Candidate Starts for Thoth_80:

(3, 58507), (5, 58570), (Start: 11 @58624 has 22 MA's), (Start: 14 @58633 has 4 MA's), (18, 58678), (21, 58687),

Gene: Troll4_79 Start: 58537, Stop: 58851, Start Num: 11

Candidate Starts for Troll4_79:

(2, 58393), (7, 58492), (8, 58510), (Start: 11 @58537 has 22 MA's), (Start: 14 @58546 has 4 MA's), (18, 58591), (21, 58600), (23, 58642),

Gene: Visconti_81 Start: 58585, Stop: 58899, Start Num: 11

Candidate Starts for Visconti_81:

(3, 58468), (5, 58531), (Start: 11 @58585 has 22 MA's), (Start: 14 @58594 has 4 MA's), (18, 58639), (21, 58648), (23, 58690),

Gene: WaldoWhy_82 Start: 58548, Stop: 58862, Start Num: 11

Candidate Starts for WaldoWhy_82:

(3, 58431), (5, 58494), (Start: 11 @58548 has 22 MA's), (Start: 14 @58557 has 4 MA's), (18, 58602), (21, 58611),