

Pham 216313



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 216313 Report

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

Pham number 216313 has 42 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Statler_99
- Track 2 : Namago_96, Viceroy_93, Sillytadpoles_97, Mentos_98, Rudy_92, DonaldDuck_96, SallyK_96, Zagie_96, Kyva_98, Teehee_95, Grassboy_99, Zhafia_100, Quammi_94, Jehoshaphat_96, Llemily_96
- Track 3 : RubyRalph_93, Fransoyer_93
- Track 4 : FrankDeliGuy_94, Judebell_94, Mashley_93, Hyperion_93, BabyDotz_92, Rowlf_91, Lonelysoil_92, Altheas_97, Squash_96
- Track 5 : EverythinBagel_94, Tissue_94, Casend_95, StrawberryJamm_100
- Track 6 : Wheelie_94, Wayne3_96, Phabia_94
- Track 7 : MorillMayhem_93
- Track 8 : Fizzles_92
- Track 9 : Phinky_99
- Track 10 : Gazebo_93, AluminumJesus_91, Blab_91
- Track 11 : SadLad_94
- Track 12 : Nike_92

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 26 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altheas_97, AluminumJesus_91, BabyDotz_92, Blab_91, Casend_95, DonaldDuck_96, EverythinBagel_94, FrankDeliGuy_94, Gazebo_93, Grassboy_99, Hyperion_93, Jehoshaphat_96, Judebell_94, Kyva_98, Llemily_96, Lonelysoil_92, Mashley_93, Mentos_98, MorillMayhem_93, Namago_96, Nike_92, Phabia_94, Phinky_99, Quammi_94, Rowlf_91, Rudy_92, SallyK_96, Sillytadpoles_97, Squash_96, Statler_99, StrawberryJamm_100, Teehee_95, Tissue_94, Viceroy_93, Wayne3_96, Wheelie_94, Zagie_96, Zhafia_100,

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:

- Fizzles_92, Fransoyer_93, RubyRalph_93, SadLad_94,

Summary by start number:

Start 10:

- Found in 4 of 42 (9.5%) of genes in pham
- Manual Annotations of this start: 4 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fizzles_92 (EG), Fransoyer_93 (EG), RubyRalph_93 (EG), SadLad_94 (EG),

Start 11:

- Found in 38 of 42 (90.5%) of genes in pham
- Manual Annotations of this start: 26 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_97 (EG), AluminumJesus_91 (EG), BabyDotz_92 (EG), Blab_91 (EG), Casend_95 (EG), DonaldDuck_96 (EG), EverythinBagel_94 (EG), FrankDeliGuy_94 (EG), Gazebo_93 (EG), Grassboy_99 (EG), Hyperion_93 (EG), Jehoshaphat_96 (EG), Judebell_94 (EG), Kyva_98 (EG), Llemily_96 (EG), Lonelysoil_92 (EG), Mashley_93 (EG), Mentos_98 (EG), MorillMayhem_93 (EG), Namago_96 (EG), Nike_92 (EG), Phabia_94 (EG), Phinky_99 (EG), Quammi_94 (EG), Rowlf_91 (EG), Rudy_92 (EG), SallyK_96 (EG), Sillytadpoles_97 (EG), Squash_96 (EG), Statler_99 (EG), StrawberryJamm_100 (EG), Teehee_95 (EG), Tissue_94 (EG), Viceroy_93 (EG), Wayne3_96 (EG), Wheelie_94 (EG), Zagie_96 (EG), Zhafia_100 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 10 was manually annotated 4 times for cluster EG.
- Start number 11 was manually annotated 26 times for cluster EG.

Gene Information:

Gene: Altheas_97 Start: 58584, Stop: 58396, Start Num: 11

Candidate Starts for Altheas_97:

(Start: 11 @58584 has 26 MA's), (15, 58419),

Gene: AluminumJesus_91 Start: 56993, Stop: 56829, Start Num: 11

Candidate Starts for AluminumJesus_91:

(8, 57071), (9, 57020), (Start: 11 @56993 has 26 MA's), (15, 56852),

Gene: BabyDotz_92 Start: 58860, Stop: 58696, Start Num: 11

Candidate Starts for BabyDotz_92:

(Start: 11 @58860 has 26 MA's), (15, 58719),

Gene: Blab_91 Start: 57566, Stop: 57402, Start Num: 11

Candidate Starts for Blab_91:

(8, 57644), (9, 57593), (Start: 11 @57566 has 26 MA's), (15, 57425),

Gene: Casend_95 Start: 58195, Stop: 58031, Start Num: 11

Candidate Starts for Casend_95:

(9, 58222), (Start: 11 @58195 has 26 MA's), (15, 58054),

Gene: DonaldDuck_96 Start: 57595, Stop: 57431, Start Num: 11

Candidate Starts for DonaldDuck_96:

(3, 57919), (4, 57874), (5, 57871), (6, 57814), (7, 57754), (9, 57622), (Start: 11 @57595 has 26 MA's), (15, 57454),

Gene: EverythinBagel_94 Start: 57390, Stop: 57226, Start Num: 11

Candidate Starts for EverythinBagel_94:

(9, 57417), (Start: 11 @57390 has 26 MA's), (15, 57249),

Gene: Fizzles_92 Start: 57613, Stop: 57419, Start Num: 10

Candidate Starts for Fizzles_92:

(Start: 10 @57613 has 4 MA's), (14, 57445),

Gene: FrankDeliGuy_94 Start: 57873, Stop: 57709, Start Num: 11

Candidate Starts for FrankDeliGuy_94:

(Start: 11 @57873 has 26 MA's), (15, 57732),

Gene: Fransoyer_93 Start: 58717, Stop: 58529, Start Num: 10

Candidate Starts for Fransoyer_93:

(Start: 10 @58717 has 4 MA's),

Gene: Gazebo_93 Start: 57571, Stop: 57407, Start Num: 11

Candidate Starts for Gazebo_93:

(8, 57649), (9, 57598), (Start: 11 @57571 has 26 MA's), (15, 57430),

Gene: Grassboy_99 Start: 58496, Stop: 58332, Start Num: 11

Candidate Starts for Grassboy_99:

(3, 58820), (4, 58775), (5, 58772), (6, 58715), (7, 58655), (9, 58523), (Start: 11 @58496 has 26 MA's), (15, 58355),

Gene: Hyperion_93 Start: 57633, Stop: 57469, Start Num: 11

Candidate Starts for Hyperion_93:

(Start: 11 @57633 has 26 MA's), (15, 57492),

Gene: Jehoshaphat_96 Start: 58229, Stop: 58065, Start Num: 11

Candidate Starts for Jehoshaphat_96:

(3, 58553), (4, 58508), (5, 58505), (6, 58448), (7, 58388), (9, 58256), (Start: 11 @58229 has 26 MA's), (15, 58088),

Gene: Judebell_94 Start: 57627, Stop: 57463, Start Num: 11

Candidate Starts for Judebell_94:

(Start: 11 @57627 has 26 MA's), (15, 57486),

Gene: Kyva_98 Start: 58520, Stop: 58356, Start Num: 11

Candidate Starts for Kyva_98:

(3, 58844), (4, 58799), (5, 58796), (6, 58739), (7, 58679), (9, 58547), (Start: 11 @58520 has 26 MA's), (15, 58379),

Gene: Llemily_96 Start: 57290, Stop: 57126, Start Num: 11
Candidate Starts for Llemily_96:
(3, 57614), (4, 57569), (5, 57566), (6, 57509), (7, 57449), (9, 57317), (Start: 11 @57290 has 26 MA's),
(15, 57149),

Gene: Lonelysoil_92 Start: 57050, Stop: 56886, Start Num: 11
Candidate Starts for Lonelysoil_92:
(Start: 11 @57050 has 26 MA's), (15, 56909),

Gene: Mashley_93 Start: 57722, Stop: 57558, Start Num: 11
Candidate Starts for Mashley_93:
(Start: 11 @57722 has 26 MA's), (15, 57581),

Gene: Mentos_98 Start: 58681, Stop: 58517, Start Num: 11
Candidate Starts for Mentos_98:
(3, 59005), (4, 58960), (5, 58957), (6, 58900), (7, 58840), (9, 58708), (Start: 11 @58681 has 26 MA's),
(15, 58540),

Gene: MorillMayhem_93 Start: 57850, Stop: 57686, Start Num: 11
Candidate Starts for MorillMayhem_93:
(4, 58129), (9, 57877), (Start: 11 @57850 has 26 MA's), (15, 57709),

Gene: Namago_96 Start: 57777, Stop: 57613, Start Num: 11
Candidate Starts for Namago_96:
(3, 58101), (4, 58056), (5, 58053), (6, 57996), (7, 57936), (9, 57804), (Start: 11 @57777 has 26 MA's),
(15, 57636),

Gene: Nike_92 Start: 57995, Stop: 57831, Start Num: 11
Candidate Starts for Nike_92:
(8, 58073), (9, 58022), (Start: 11 @57995 has 26 MA's), (15, 57854),

Gene: Phabia_94 Start: 57627, Stop: 57463, Start Num: 11
Candidate Starts for Phabia_94:
(1, 57993), (2, 57978), (3, 57951), (4, 57906), (5, 57903), (6, 57846), (7, 57786), (9, 57654), (Start: 11
@57627 has 26 MA's), (15, 57486),

Gene: Phinky_99 Start: 59368, Stop: 59186, Start Num: 11
Candidate Starts for Phinky_99:
(8, 59446), (Start: 11 @59368 has 26 MA's), (15, 59203),

Gene: Quammi_94 Start: 57572, Stop: 57408, Start Num: 11
Candidate Starts for Quammi_94:
(3, 57896), (4, 57851), (5, 57848), (6, 57791), (7, 57731), (9, 57599), (Start: 11 @57572 has 26 MA's),
(15, 57431),

Gene: Rowlf_91 Start: 57440, Stop: 57276, Start Num: 11
Candidate Starts for Rowlf_91:
(Start: 11 @57440 has 26 MA's), (15, 57299),

Gene: RubyRalph_93 Start: 58318, Stop: 58130, Start Num: 10
Candidate Starts for RubyRalph_93:
(Start: 10 @58318 has 4 MA's),

Gene: Rudy_92 Start: 57438, Stop: 57274, Start Num: 11
Candidate Starts for Rudy_92:
(3, 57762), (4, 57717), (5, 57714), (6, 57657), (7, 57597), (9, 57465), (Start: 11 @57438 has 26 MA's),
(15, 57297),

Gene: SadLad_94 Start: 59236, Stop: 59048, Start Num: 10
Candidate Starts for SadLad_94:
(6, 59461), (Start: 10 @59236 has 4 MA's), (13, 59092),

Gene: SallyK_96 Start: 58593, Stop: 58429, Start Num: 11
Candidate Starts for SallyK_96:
(3, 58917), (4, 58872), (5, 58869), (6, 58812), (7, 58752), (9, 58620), (Start: 11 @58593 has 26 MA's),
(15, 58452),

Gene: Sillytadpoles_97 Start: 57278, Stop: 57114, Start Num: 11
Candidate Starts for Sillytadpoles_97:
(3, 57602), (4, 57557), (5, 57554), (6, 57497), (7, 57437), (9, 57305), (Start: 11 @57278 has 26 MA's),
(15, 57137),

Gene: Squash_96 Start: 57979, Stop: 57821, Start Num: 11
Candidate Starts for Squash_96:
(Start: 11 @57979 has 26 MA's), (15, 57838),

Gene: Statler_99 Start: 58009, Stop: 57845, Start Num: 11
Candidate Starts for Statler_99:
(9, 58036), (Start: 11 @58009 has 26 MA's), (12, 57931), (15, 57868),

Gene: StrawberryJamm_100 Start: 57547, Stop: 57383, Start Num: 11
Candidate Starts for StrawberryJamm_100:
(9, 57574), (Start: 11 @57547 has 26 MA's), (15, 57406),

Gene: Teehee_95 Start: 58226, Stop: 58062, Start Num: 11
Candidate Starts for Teehee_95:
(3, 58550), (4, 58505), (5, 58502), (6, 58445), (7, 58385), (9, 58253), (Start: 11 @58226 has 26 MA's),
(15, 58085),

Gene: Tissue_94 Start: 58211, Stop: 58023, Start Num: 11
Candidate Starts for Tissue_94:
(9, 58238), (Start: 11 @58211 has 26 MA's), (15, 58046),

Gene: Viceroy_93 Start: 57393, Stop: 57229, Start Num: 11
Candidate Starts for Viceroy_93:
(3, 57717), (4, 57672), (5, 57669), (6, 57612), (7, 57552), (9, 57420), (Start: 11 @57393 has 26 MA's),
(15, 57252),

Gene: Wayne3_96 Start: 58196, Stop: 58032, Start Num: 11
Candidate Starts for Wayne3_96:
(1, 58562), (2, 58547), (3, 58520), (4, 58475), (5, 58472), (6, 58415), (7, 58355), (9, 58223), (Start: 11
@58196 has 26 MA's), (15, 58055),

Gene: Wheelie_94 Start: 57517, Stop: 57353, Start Num: 11
Candidate Starts for Wheelie_94:

(1, 57883), (2, 57868), (3, 57841), (4, 57796), (5, 57793), (6, 57736), (7, 57676), (9, 57544), (Start: 11 @57517 has 26 MA's), (15, 57376),

Gene: Zagie_96 Start: 58038, Stop: 57874, Start Num: 11

Candidate Starts for Zagie_96:

(3, 58362), (4, 58317), (5, 58314), (6, 58257), (7, 58197), (9, 58065), (Start: 11 @58038 has 26 MA's), (15, 57897),

Gene: Zhafia_100 Start: 58072, Stop: 57908, Start Num: 11

Candidate Starts for Zhafia_100:

(3, 58396), (4, 58351), (5, 58348), (6, 58291), (7, 58231), (9, 58099), (Start: 11 @58072 has 26 MA's), (15, 57931),