

Pham 330784



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 330784 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330784 has 75 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Bovely_62, Unstoppable_62, Phettuccine_62, Esperer_63, Leviticus_63, Aaronocolus_62, Nerdos_61, Indigo_61
- Track 2 : Asten_62, SarahRose_62, Snorlax_62
- Track 3 : Ozzie_61, Hydra_64, BeardedLady_62, Legacy_61, Caliburn_61, SunsetPointe_61
- Track 4 : Lorelei_64, Rana_65
- Track 5 : Eddasa_65
- Track 6 : Emaanora_65, Werner_62, Triste_63, TagePhighter_64, Whatever_62, Chucky_62
- Track 7 : Lika_64
- Track 8 : RedBear_64, South40_63, Katalie_63
- Track 9 : Hippo_62, TuanPN_60, BarryBee_65, Ejemplo_60
- Track 10 : EnochSoames_66
- Track 11 : Godpower_65, Goby_65, Sujidade_65, Toma_65
- Track 12 : Danzina_65, Brataylor_66, Celeste_65, Zemlya_65, Dattran_66
- Track 13 : Izzy_64, Jash_64, Rusticus_64, BryanRecycles_64, Oliynyk_64
- Track 14 : Dwayne_62
- Track 15 : Nanodon_63
- Track 16 : Yasdnal_62, Maneekul_62
- Track 17 : Lannister_62
- Track 18 : Nabi_65
- Track 19 : OzzyJ_64
- Track 20 : Verse_66, Amela_65, Speedwell_68, ZamZam_65, Dexers_63, Sudan_65, Alsaber_65, ElGato_66, Kaine_65, Celery_68, Provolone_66, SunkenRoot_65, Pavo_66, Saftant_63, Verabelle_68
- Track 21 : Vanseggelen_70
- Track 22 : phiCAM_62
- Track 23 : Jhitchelle_62
- Track 24 : Conan_66

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 69 of the 70 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aaronocolus_62, Alsaber_65, Amela_65, Asten_62, BarryBee_65, BeardedLady_62, Bovely_62, Brataylor_66, BryanRecycles_64, Caliburn_61, Celery_68, Celeste_65, Chucky_62, Conan_66, Danzina_65, Dattran_66, Dexers_63, Dwayne_62, Ejemplo_60, ElGato_66, Emaanora_65, EnochSoames_66, Esperer_63, Goby_65, Godpower_65, Hippo_62, Hydra_64, Indigo_61, Izzy_64, Jash_64, Jhitchelle_62, Kaine_65, Katalie_63, Lannister_62, Legacy_61, Leviticus_63, Lika_64, Lorelei_64, Maneekul_62, Nabi_65, Nanodon_63, Nerdos_61, Oliynyk_64, Ozzie_61, OzzyJ_64, Pavo_66, Phettuccine_62, Provolone_66, Rana_65, RedBear_64, Rusticus_64, Saftant_63, SarahRose_62, Snorlax_62, South40_63, Speedwell_68, Sudan_65, Sujidade_65, SunkenRoot_65, SunsetPointe_61, TagePhighter_64, Toma_65, Triste_63, TuanPN_60, Unstoppable_62, Vanseggelen_70, Verabelle_68, Verse_66, Werner_62, Whatever_62, Yasdnil_62, ZamZam_65, Zemlya_65, phiCAM_62,

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

- Eddasa_65,

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

-

Summary by start number:

Start 10:

- Found in 15 of 75 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 70
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Eddasa_65 (BD1),

Start 11:

- Found in 75 of 75 (100.0%) of genes in pham
- Manual Annotations of this start: 69 of 70
- Called 98.7% of time when present
- Phage (with cluster) where this start called: Aaronocolus_62 (BD1), Alsaber_65 (BD3), Amela_65 (BD3), Asten_62 (BD1), BarryBee_65 (BD1), BeardedLady_62 (BD1), Bovely_62 (BD1), Brataylor_66 (BD1), BryanRecycles_64 (BD1), Caliburn_61 (BD1), Celery_68 (BD3), Celeste_65 (BD1), Chucky_62 (BD1), Conan_66 (BD3), Danzina_65 (BD1), Dattran_66 (BD1), Dexers_63 (BD3), Dwayne_62 (BD1), Ejemplo_60 (BD1), ElGato_66 (BD3), Emaanora_65 (BD1), EnochSoames_66 (BD1), Esperer_63 (BD1), Goby_65 (BD1), Godpower_65 (BD1), Hippo_62 (BD1), Hydra_64 (BD1), Indigo_61 (BD1), Izzy_64 (BD1), Jash_64 (BD1), Jhitchelle_62 (BD3), Kaine_65 (BD3), Katalie_63 (BD1), Lannister_62 (BD1), Legacy_61 (BD1), Leviticus_63 (BD1), Lika_64 (BD1), Lorelei_64 (BD1), Maneekul_62 (BD1), Nabi_65 (BD1), Nanodon_63 (BD1), Nerdos_61 (BD1), Oliynyk_64 (BD1), Ozzie_61 (BD1), OzzyJ_64 (BD1), Pavo_66 (BD3), Phettuccine_62 (BD1), Provolone_66 (BD3), Rana_65 (BD1), RedBear_64 (BD1), Rusticus_64 (BD1), Saftant_63 (BD3), SarahRose_62 (BD1), Snorlax_62 (BD1), South40_63 (BD1), Speedwell_68 (BD3), Sudan_65 (BD3), Sujidade_65 (BD1), SunkenRoot_65 (BD3), SunsetPointe_61 (BD1), TagePhighter_64 (BD1), Toma_65 (BD1), Triste_63 (BD1), TuanPN_60 (BD1), Unstoppable_62 (BD1), Vanseggelen_70 (BD3), Verabelle_68 (BD3), Verse_66 (BD3), Werner_62 (BD1), Whatever_62 (BD1), Yasdnil_62 (BD1), ZamZam_65 (BD3), Zemlya_65 (BD1), phiCAM_62 (BD3),

Summary by clusters:

There are 2 clusters represented in this pham: BD1, BD3,

Info for manual annotations of cluster BD1:

- Start number 10 was manually annotated 1 time for cluster BD1.
- Start number 11 was manually annotated 54 times for cluster BD1.

Info for manual annotations of cluster BD3:

- Start number 11 was manually annotated 15 times for cluster BD3.

Gene Information:

Gene: Aaronocolus_62 Start: 43600, Stop: 43325, Start Num: 11

Candidate Starts for Aaronocolus_62:

(6, 43708), (Start: 10 @43636 has 1 MA's), (Start: 11 @43600 has 69 MA's), (15, 43498),

Gene: Alsaber_65 Start: 43432, Stop: 43151, Start Num: 11

Candidate Starts for Alsaber_65:

(Start: 11 @43432 has 69 MA's),

Gene: Amela_65 Start: 44414, Stop: 44145, Start Num: 11

Candidate Starts for Amela_65:

(Start: 11 @44414 has 69 MA's),

Gene: Asten_62 Start: 45620, Stop: 45309, Start Num: 11

Candidate Starts for Asten_62:

(1, 45866), (4, 45791), (7, 45683), (9, 45677), (Start: 11 @45620 has 69 MA's), (16, 45503),

Gene: BarryBee_65 Start: 45597, Stop: 45286, Start Num: 11

Candidate Starts for BarryBee_65:

(7, 45660), (9, 45654), (Start: 11 @45597 has 69 MA's), (16, 45480),

Gene: BeardedLady_62 Start: 43698, Stop: 43423, Start Num: 11

Candidate Starts for BeardedLady_62:

(Start: 11 @43698 has 69 MA's), (15, 43596),

Gene: Bovely_62 Start: 43603, Stop: 43328, Start Num: 11

Candidate Starts for Bovely_62:

(6, 43711), (Start: 10 @43639 has 1 MA's), (Start: 11 @43603 has 69 MA's), (15, 43501),

Gene: Brataylor_66 Start: 45152, Stop: 44892, Start Num: 11

Candidate Starts for Brataylor_66:

(Start: 11 @45152 has 69 MA's), (13, 45095), (15, 45050),

Gene: BryanRecycles_64 Start: 44100, Stop: 43813, Start Num: 11

Candidate Starts for BryanRecycles_64:

(2, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 69 MA's), (12, 44070), (15, 43998),

Gene: Caliburn_61 Start: 43704, Stop: 43429, Start Num: 11
Candidate Starts for Caliburn_61:
(Start: 11 @43704 has 69 MA's), (15, 43602),

Gene: Celery_68 Start: 43343, Stop: 43065, Start Num: 11
Candidate Starts for Celery_68:
(Start: 11 @43343 has 69 MA's),

Gene: Celeste_65 Start: 44617, Stop: 44357, Start Num: 11
Candidate Starts for Celeste_65:
(Start: 11 @44617 has 69 MA's), (13, 44560), (15, 44515),

Gene: Chucky_62 Start: 45658, Stop: 45347, Start Num: 11
Candidate Starts for Chucky_62:
(9, 45715), (Start: 11 @45658 has 69 MA's), (16, 45541),

Gene: Conan_66 Start: 43683, Stop: 43417, Start Num: 11
Candidate Starts for Conan_66:
(Start: 11 @43683 has 69 MA's),

Gene: Danzina_65 Start: 44866, Stop: 44606, Start Num: 11
Candidate Starts for Danzina_65:
(Start: 11 @44866 has 69 MA's), (13, 44809), (15, 44764),

Gene: Dattran_66 Start: 45008, Stop: 44748, Start Num: 11
Candidate Starts for Dattran_66:
(Start: 11 @45008 has 69 MA's), (13, 44951), (15, 44906),

Gene: Dexers_63 Start: 43658, Stop: 43389, Start Num: 11
Candidate Starts for Dexers_63:
(Start: 11 @43658 has 69 MA's),

Gene: Dwayne_62 Start: 45646, Stop: 45335, Start Num: 11
Candidate Starts for Dwayne_62:
(9, 45703), (Start: 11 @45646 has 69 MA's), (16, 45529),

Gene: Eddasa_65 Start: 44675, Stop: 44352, Start Num: 10
Candidate Starts for Eddasa_65:
(2, 44834), (6, 44747), (Start: 10 @44675 has 1 MA's), (Start: 11 @44639 has 69 MA's), (12, 44609), (15, 44537),

Gene: Ejemplo_60 Start: 45585, Stop: 45274, Start Num: 11
Candidate Starts for Ejemplo_60:
(7, 45648), (9, 45642), (Start: 11 @45585 has 69 MA's), (16, 45468),

Gene: ElGato_66 Start: 43561, Stop: 43289, Start Num: 11
Candidate Starts for ElGato_66:
(Start: 11 @43561 has 69 MA's),

Gene: Emaanora_65 Start: 45570, Stop: 45259, Start Num: 11
Candidate Starts for Emaanora_65:
(9, 45627), (Start: 11 @45570 has 69 MA's), (16, 45453),

Gene: EnochSoames_66 Start: 43897, Stop: 43610, Start Num: 11
Candidate Starts for EnochSoames_66:
(2, 44092), (6, 44005), (Start: 10 @43933 has 1 MA's), (Start: 11 @43897 has 69 MA's), (15, 43795),

Gene: Esperer_63 Start: 43946, Stop: 43671, Start Num: 11
Candidate Starts for Esperer_63:
(6, 44054), (Start: 10 @43982 has 1 MA's), (Start: 11 @43946 has 69 MA's), (15, 43844),

Gene: Goby_65 Start: 45488, Stop: 45204, Start Num: 11
Candidate Starts for Goby_65:
(1, 45737), (9, 45545), (Start: 11 @45488 has 69 MA's), (15, 45386),

Gene: Godpower_65 Start: 44764, Stop: 44480, Start Num: 11
Candidate Starts for Godpower_65:
(1, 45013), (9, 44821), (Start: 11 @44764 has 69 MA's), (15, 44662),

Gene: Hippo_62 Start: 45633, Stop: 45322, Start Num: 11
Candidate Starts for Hippo_62:
(7, 45696), (9, 45690), (Start: 11 @45633 has 69 MA's), (16, 45516),

Gene: Hydra_64 Start: 44506, Stop: 44231, Start Num: 11
Candidate Starts for Hydra_64:
(Start: 11 @44506 has 69 MA's), (15, 44404),

Gene: Indigo_61 Start: 43596, Stop: 43321, Start Num: 11
Candidate Starts for Indigo_61:
(6, 43704), (Start: 10 @43632 has 1 MA's), (Start: 11 @43596 has 69 MA's), (15, 43494),

Gene: Izzy_64 Start: 44147, Stop: 43860, Start Num: 11
Candidate Starts for Izzy_64:
(2, 44342), (6, 44255), (Start: 10 @44183 has 1 MA's), (Start: 11 @44147 has 69 MA's), (12, 44117),
(15, 44045),

Gene: Jash_64 Start: 44100, Stop: 43813, Start Num: 11
Candidate Starts for Jash_64:
(2, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 69 MA's), (12, 44070),
(15, 43998),

Gene: Jhitchelle_62 Start: 42943, Stop: 42677, Start Num: 11
Candidate Starts for Jhitchelle_62:
(Start: 11 @42943 has 69 MA's), (14, 42868),

Gene: Kaine_65 Start: 43456, Stop: 43175, Start Num: 11
Candidate Starts for Kaine_65:
(Start: 11 @43456 has 69 MA's),

Gene: Katalie_63 Start: 46125, Stop: 45820, Start Num: 11
Candidate Starts for Katalie_63:
(8, 46185), (Start: 11 @46125 has 69 MA's), (16, 46014),

Gene: Lannister_62 Start: 44501, Stop: 44196, Start Num: 11
Candidate Starts for Lannister_62:
(9, 44561), (Start: 11 @44501 has 69 MA's),

Gene: Legacy_61 Start: 43695, Stop: 43420, Start Num: 11

Candidate Starts for Legacy_61:

(Start: 11 @43695 has 69 MA's), (15, 43593),

Gene: Leviticus_63 Start: 44133, Stop: 43858, Start Num: 11

Candidate Starts for Leviticus_63:

(6, 44241), (Start: 10 @44169 has 1 MA's), (Start: 11 @44133 has 69 MA's), (15, 44031),

Gene: Lika_64 Start: 45317, Stop: 45033, Start Num: 11

Candidate Starts for Lika_64:

(9, 45374), (Start: 11 @45317 has 69 MA's), (15, 45215),

Gene: Lorelei_64 Start: 44624, Stop: 44364, Start Num: 11

Candidate Starts for Lorelei_64:

(1, 44873), (9, 44681), (Start: 11 @44624 has 69 MA's), (13, 44567), (15, 44522),

Gene: Maneekul_62 Start: 45663, Stop: 45352, Start Num: 11

Candidate Starts for Maneekul_62:

(Start: 11 @45663 has 69 MA's), (16, 45546),

Gene: Nabi_65 Start: 45193, Stop: 44897, Start Num: 11

Candidate Starts for Nabi_65:

(3, 45373), (9, 45253), (Start: 11 @45193 has 69 MA's),

Gene: Nanodon_63 Start: 44114, Stop: 43854, Start Num: 11

Candidate Starts for Nanodon_63:

(5, 44270), (9, 44177), (Start: 11 @44114 has 69 MA's), (15, 44012),

Gene: Nerdos_61 Start: 43595, Stop: 43320, Start Num: 11

Candidate Starts for Nerdos_61:

(6, 43703), (Start: 10 @43631 has 1 MA's), (Start: 11 @43595 has 69 MA's), (15, 43493),

Gene: Oliynyk_64 Start: 44100, Stop: 43813, Start Num: 11

Candidate Starts for Oliynyk_64:

(2, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 69 MA's), (12, 44070), (15, 43998),

Gene: Ozzie_61 Start: 43704, Stop: 43429, Start Num: 11

Candidate Starts for Ozzie_61:

(Start: 11 @43704 has 69 MA's), (15, 43602),

Gene: OzzyJ_64 Start: 45554, Stop: 45249, Start Num: 11

Candidate Starts for OzzyJ_64:

(1, 45803), (9, 45614), (Start: 11 @45554 has 69 MA's), (16, 45443),

Gene: Pavo_66 Start: 43632, Stop: 43360, Start Num: 11

Candidate Starts for Pavo_66:

(Start: 11 @43632 has 69 MA's),

Gene: Phettuccine_62 Start: 43596, Stop: 43321, Start Num: 11

Candidate Starts for Phettuccine_62:

(6, 43704), (Start: 10 @43632 has 1 MA's), (Start: 11 @43596 has 69 MA's), (15, 43494),

Gene: Provolone_66 Start: 43773, Stop: 43501, Start Num: 11

Candidate Starts for Provolone_66:

(Start: 11 @43773 has 69 MA's),

Gene: Rana_65 Start: 45046, Stop: 44786, Start Num: 11

Candidate Starts for Rana_65:

(1, 45295), (9, 45103), (Start: 11 @45046 has 69 MA's), (13, 44989), (15, 44944),

Gene: RedBear_64 Start: 46125, Stop: 45820, Start Num: 11

Candidate Starts for RedBear_64:

(8, 46185), (Start: 11 @46125 has 69 MA's), (16, 46014),

Gene: Rusticus_64 Start: 44100, Stop: 43813, Start Num: 11

Candidate Starts for Rusticus_64:

(2, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 69 MA's), (12, 44070), (15, 43998),

Gene: Saftant_63 Start: 43520, Stop: 43239, Start Num: 11

Candidate Starts for Saftant_63:

(Start: 11 @43520 has 69 MA's),

Gene: SarahRose_62 Start: 45632, Stop: 45321, Start Num: 11

Candidate Starts for SarahRose_62:

(1, 45878), (4, 45803), (7, 45695), (9, 45689), (Start: 11 @45632 has 69 MA's), (16, 45515),

Gene: Snorlax_62 Start: 45657, Stop: 45346, Start Num: 11

Candidate Starts for Snorlax_62:

(1, 45903), (4, 45828), (7, 45720), (9, 45714), (Start: 11 @45657 has 69 MA's), (16, 45540),

Gene: South40_63 Start: 46125, Stop: 45820, Start Num: 11

Candidate Starts for South40_63:

(8, 46185), (Start: 11 @46125 has 69 MA's), (16, 46014),

Gene: Speedwell_68 Start: 44565, Stop: 44284, Start Num: 11

Candidate Starts for Speedwell_68:

(Start: 11 @44565 has 69 MA's),

Gene: Sudan_65 Start: 43439, Stop: 43158, Start Num: 11

Candidate Starts for Sudan_65:

(Start: 11 @43439 has 69 MA's),

Gene: Sujidade_65 Start: 45552, Stop: 45268, Start Num: 11

Candidate Starts for Sujidade_65:

(1, 45801), (9, 45609), (Start: 11 @45552 has 69 MA's), (15, 45450),

Gene: SunkenRoot_65 Start: 44141, Stop: 43872, Start Num: 11

Candidate Starts for SunkenRoot_65:

(Start: 11 @44141 has 69 MA's),

Gene: SunsetPointe_61 Start: 43711, Stop: 43436, Start Num: 11

Candidate Starts for SunsetPointe_61:

(Start: 11 @43711 has 69 MA's), (15, 43609),

Gene: TagePhighter_64 Start: 45633, Stop: 45322, Start Num: 11
Candidate Starts for TagePhighter_64:
(9, 45690), (Start: 11 @45633 has 69 MA's), (16, 45516),

Gene: Toma_65 Start: 45491, Stop: 45207, Start Num: 11
Candidate Starts for Toma_65:
(1, 45740), (9, 45548), (Start: 11 @45491 has 69 MA's), (15, 45389),

Gene: Triste_63 Start: 45632, Stop: 45321, Start Num: 11
Candidate Starts for Triste_63:
(9, 45689), (Start: 11 @45632 has 69 MA's), (16, 45515),

Gene: TuanPN_60 Start: 45585, Stop: 45274, Start Num: 11
Candidate Starts for TuanPN_60:
(7, 45648), (9, 45642), (Start: 11 @45585 has 69 MA's), (16, 45468),

Gene: Unstoppable_62 Start: 43594, Stop: 43319, Start Num: 11
Candidate Starts for Unstoppable_62:
(6, 43702), (Start: 10 @43630 has 1 MA's), (Start: 11 @43594 has 69 MA's), (15, 43492),

Gene: Vanseggelen_70 Start: 43501, Stop: 43232, Start Num: 11
Candidate Starts for Vanseggelen_70:
(Start: 11 @43501 has 69 MA's),

Gene: Verabelle_68 Start: 43108, Stop: 42839, Start Num: 11
Candidate Starts for Verabelle_68:
(Start: 11 @43108 has 69 MA's),

Gene: Verse_66 Start: 44405, Stop: 44136, Start Num: 11
Candidate Starts for Verse_66:
(Start: 11 @44405 has 69 MA's),

Gene: Werner_62 Start: 45630, Stop: 45319, Start Num: 11
Candidate Starts for Werner_62:
(9, 45687), (Start: 11 @45630 has 69 MA's), (16, 45513),

Gene: Whatever_62 Start: 45655, Stop: 45344, Start Num: 11
Candidate Starts for Whatever_62:
(9, 45712), (Start: 11 @45655 has 69 MA's), (16, 45538),

Gene: Yasdnail_62 Start: 45682, Stop: 45371, Start Num: 11
Candidate Starts for Yasdnail_62:
(Start: 11 @45682 has 69 MA's), (16, 45565),

Gene: ZamZam_65 Start: 43862, Stop: 43581, Start Num: 11
Candidate Starts for ZamZam_65:
(Start: 11 @43862 has 69 MA's),

Gene: Zemlya_65 Start: 45171, Stop: 44911, Start Num: 11
Candidate Starts for Zemlya_65:
(Start: 11 @45171 has 69 MA's), (13, 45114), (15, 45069),

Gene: phiCAM_62 Start: 45181, Stop: 44900, Start Num: 11
Candidate Starts for phiCAM_62:
(Start: 11 @45181 has 69 MA's),