



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 294857 Report

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

Pham number 294857 has 44 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Kumotta_75
- Track 2 : EGUnicorn_66, Silvafighter_74, Rebel_66, Fulbright_70, Phloss_70, Bosection6_66, Tapioca_70, Duplicity_70, Xeno_69, Spinach_69, Andies_65, ShrimpFriedEgg_70, Chewbacca_74, Scitech_67, Rubeelu_66, Gex_71, Raymond7_63, SpongeBob_65, Pipsqueaks_73, Carcharodon_71, Purgamenstris_70, Panchino_66, Charlie_69, Redi_70, Hanako_69, Nenae_70, Xerxes_72, Magsby_71, BabeRuth_70, Jamie19_65, Phrann_67, Tortoise12_72, Shweta_66, Schnauzer_74, Butters_66, Aggie_67, PhancyPhin_69, Silvy_68, Parmesanjohn_72, Tessdabest_72, MichelleMyBell_70, Smurph_72
- Track 3 : Kevin1_69

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

The start number called the most often in the published annotations is 5, it was called in 41 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aggie_67, Andies_65, BabeRuth_70, Bosection6_66, Butters_66, Carcharodon_71, Charlie_69, Chewbacca_74, Duplicity_70, EGUnicorn_66, Fulbright_70, Gex_71, Hanako_69, Jamie19_65, Kevin1_69, Magsby_71, MichelleMyBell_70, Nenae_70, Panchino_66, Parmesanjohn_72, PhancyPhin_69, Phloss_70, Phrann_67, Pipsqueaks_73, Purgamenstris_70, Raymond7_63, Rebel_66, Redi_70, Rubeelu_66, Schnauzer_74, Scitech_67, ShrimpFriedEgg_70, Shweta_66, Silvafighter_74, Silvy_68, Smurph_72, Spinach_69, SpongeBob_65, Tapioca_70, Tessdabest_72, Tortoise12_72, Xeno_69, Xerxes_72,

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:

- Kumotta_75,

Summary by start number:

Start 5:

- Found in 43 of 44 (97.7%) of genes in pham
- Manual Annotations of this start: 41 of 42
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aggie_67 (N), Andies_65 (N), BabeRuth_70 (N), Bosection6_66 (N), Butters_66 (N), Carcharodon_71 (N), Charlie_69 (N), Chewbacca_74 (N), Duplicity_70 (N), EGUnicorn_66 (N), Fulbright_70 (N), Gex_71 (N), Hanako_69 (N), Jamie19_65 (N), Kevin1_69 (N), Magsby_71 (N), MichelleMyBell_70 (N), Nенаe_70 (N), Panchino_66 (N), Parmesanjohn_72 (N), PhancyPhin_69 (N), Phloss_70 (N), Phrann_67 (N), Pipsqueaks_73 (N), Purgamenstris_70 (N), Raymond7_63 (N), Rebel_66 (N), Redi_70 (N), Rubeelu_66 (N), Schnauzer_74 (N), Scitech_67 (N), ShrimpFriedEgg_70 (N), Shweta_66 (N), Silvafighter_74 (N), Silvy_68 (N), Smurph_72 (N), Spinach_69 (N), SpongeBob_65 (N), Tapioca_70 (N), Tessdabest_72 (N), Tortoise12_72 (N), Xeno_69 (N), Xerxes_72 (N),

Start 6:

- Found in 1 of 44 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 42
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumotta_75 (FB),

Summary by clusters:

There are 2 clusters represented in this pham: FB, N,

Info for manual annotations of cluster FB:

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

Info for manual annotations of cluster N:

- Start number 5 was manually annotated 41 times for cluster N.

Gene Information:

Gene: Aggie_67 Start: 43847, Stop: 44146, Start Num: 5

Candidate Starts for Aggie_67:

(Start: 5 @43847 has 41 MA's),

Gene: Andies_65 Start: 43293, Stop: 43592, Start Num: 5

Candidate Starts for Andies_65:

(Start: 5 @43293 has 41 MA's),

Gene: BabeRuth_70 Start: 42101, Stop: 42409, Start Num: 5

Candidate Starts for BabeRuth_70:

(Start: 5 @42101 has 41 MA's),

Gene: Bosection6_66 Start: 42917, Stop: 43225, Start Num: 5

Candidate Starts for Bosection6_66:

(Start: 5 @42917 has 41 MA's),

Gene: Butters_66 Start: 41009, Stop: 41308, Start Num: 5

Candidate Starts for Butters_66:
(Start: 5 @41009 has 41 MA's),

Gene: Carcharodon_71 Start: 43194, Stop: 43493, Start Num: 5
Candidate Starts for Carcharodon_71:
(Start: 5 @43194 has 41 MA's),

Gene: Charlie_69 Start: 42541, Stop: 42849, Start Num: 5
Candidate Starts for Charlie_69:
(Start: 5 @42541 has 41 MA's),

Gene: Chewbacca_74 Start: 43089, Stop: 43388, Start Num: 5
Candidate Starts for Chewbacca_74:
(Start: 5 @43089 has 41 MA's),

Gene: Duplicity_70 Start: 42451, Stop: 42750, Start Num: 5
Candidate Starts for Duplicity_70:
(Start: 5 @42451 has 41 MA's),

Gene: EGUunicorn_66 Start: 41517, Stop: 41816, Start Num: 5
Candidate Starts for EGUunicorn_66:
(Start: 5 @41517 has 41 MA's),

Gene: Fulbright_70 Start: 41910, Stop: 42209, Start Num: 5
Candidate Starts for Fulbright_70:
(Start: 5 @41910 has 41 MA's),

Gene: Gex_71 Start: 43210, Stop: 43509, Start Num: 5
Candidate Starts for Gex_71:
(Start: 5 @43210 has 41 MA's),

Gene: Hanako_69 Start: 42101, Stop: 42409, Start Num: 5
Candidate Starts for Hanako_69:
(Start: 5 @42101 has 41 MA's),

Gene: Jamie19_65 Start: 40783, Stop: 41091, Start Num: 5
Candidate Starts for Jamie19_65:
(Start: 5 @40783 has 41 MA's),

Gene: Kevin1_69 Start: 41506, Stop: 41805, Start Num: 5
Candidate Starts for Kevin1_69:
(Start: 5 @41506 has 41 MA's),

Gene: Kumotta_75 Start: 39866, Stop: 40129, Start Num: 6
Candidate Starts for Kumotta_75:
(1, 39707), (2, 39734), (3, 39785), (4, 39836), (Start: 6 @39866 has 1 MA's),

Gene: Magsby_71 Start: 43156, Stop: 43455, Start Num: 5
Candidate Starts for Magsby_71:
(Start: 5 @43156 has 41 MA's),

Gene: MichelleMyBell_70 Start: 41746, Stop: 42054, Start Num: 5
Candidate Starts for MichelleMyBell_70:

(Start: 5 @41746 has 41 MA's),

Gene: Nенаe_70 Start: 42103, Stop: 42411, Start Num: 5

Candidate Starts for Nенаe_70:

(Start: 5 @42103 has 41 MA's),

Gene: Panchino_66 Start: 43021, Stop: 43329, Start Num: 5

Candidate Starts for Panchino_66:

(Start: 5 @43021 has 41 MA's),

Gene: Parmesanjohn_72 Start: 43214, Stop: 43513, Start Num: 5

Candidate Starts for Parmesanjohn_72:

(Start: 5 @43214 has 41 MA's),

Gene: PhancyPhin_69 Start: 41960, Stop: 42268, Start Num: 5

Candidate Starts for PhancyPhin_69:

(Start: 5 @41960 has 41 MA's),

Gene: Phloss_70 Start: 42621, Stop: 42920, Start Num: 5

Candidate Starts for Phloss_70:

(Start: 5 @42621 has 41 MA's),

Gene: Phrann_67 Start: 44377, Stop: 44685, Start Num: 5

Candidate Starts for Phrann_67:

(Start: 5 @44377 has 41 MA's),

Gene: Pipsqueaks_73 Start: 43192, Stop: 43491, Start Num: 5

Candidate Starts for Pipsqueaks_73:

(Start: 5 @43192 has 41 MA's),

Gene: Purgamenstris_70 Start: 42101, Stop: 42409, Start Num: 5

Candidate Starts for Purgamenstris_70:

(Start: 5 @42101 has 41 MA's),

Gene: Raymond7_63 Start: 41889, Stop: 42197, Start Num: 5

Candidate Starts for Raymond7_63:

(Start: 5 @41889 has 41 MA's),

Gene: Rebel_66 Start: 40085, Stop: 40393, Start Num: 5

Candidate Starts for Rebel_66:

(Start: 5 @40085 has 41 MA's),

Gene: Redi_70 Start: 42100, Stop: 42408, Start Num: 5

Candidate Starts for Redi_70:

(Start: 5 @42100 has 41 MA's),

Gene: Rubeelu_66 Start: 41009, Stop: 41308, Start Num: 5

Candidate Starts for Rubeelu_66:

(Start: 5 @41009 has 41 MA's),

Gene: Schnauzer_74 Start: 43214, Stop: 43513, Start Num: 5

Candidate Starts for Schnauzer_74:

(Start: 5 @43214 has 41 MA's),

Gene: Scitech_67 Start: 42617, Stop: 42916, Start Num: 5
Candidate Starts for Scitech_67:
(Start: 5 @42617 has 41 MA's),

Gene: ShrimpFriedEgg_70 Start: 42100, Stop: 42408, Start Num: 5
Candidate Starts for ShrimpFriedEgg_70:
(Start: 5 @42100 has 41 MA's),

Gene: Shweta_66 Start: 42196, Stop: 42504, Start Num: 5
Candidate Starts for Shweta_66:
(Start: 5 @42196 has 41 MA's),

Gene: Silvafighter_74 Start: 42757, Stop: 43056, Start Num: 5
Candidate Starts for Silvafighter_74:
(Start: 5 @42757 has 41 MA's),

Gene: Silvy_68 Start: 43847, Stop: 44146, Start Num: 5
Candidate Starts for Silvy_68:
(Start: 5 @43847 has 41 MA's),

Gene: Smurph_72 Start: 43214, Stop: 43513, Start Num: 5
Candidate Starts for Smurph_72:
(Start: 5 @43214 has 41 MA's),

Gene: Spinach_69 Start: 42100, Stop: 42408, Start Num: 5
Candidate Starts for Spinach_69:
(Start: 5 @42100 has 41 MA's),

Gene: SpongeBob_65 Start: 40783, Stop: 41091, Start Num: 5
Candidate Starts for SpongeBob_65:
(Start: 5 @40783 has 41 MA's),

Gene: Tapioca_70 Start: 43719, Stop: 44018, Start Num: 5
Candidate Starts for Tapioca_70:
(Start: 5 @43719 has 41 MA's),

Gene: Tessdabest_72 Start: 43348, Stop: 43647, Start Num: 5
Candidate Starts for Tessdabest_72:
(Start: 5 @43348 has 41 MA's),

Gene: Tortoise12_72 Start: 42203, Stop: 42502, Start Num: 5
Candidate Starts for Tortoise12_72:
(Start: 5 @42203 has 41 MA's),

Gene: Xeno_69 Start: 41900, Stop: 42208, Start Num: 5
Candidate Starts for Xeno_69:
(Start: 5 @41900 has 41 MA's),

Gene: Xerxes_72 Start: 43211, Stop: 43510, Start Num: 5
Candidate Starts for Xerxes_72:
(Start: 5 @43211 has 41 MA's),