

Pham 291414



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 291414 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291414 has 30 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_59
- Track 2 : Nikan_65
- Track 3 : BetaFish_67
- Track 4 : Kubulix_67, RIPWilbur_66, MellowYellow_67, NyleyClemson_66, Beagle_67, RazzB_66, Pointis_64, Hive_63
- Track 5 : Ren19_61
- Track 6 : PhuzzTulsa_64
- Track 7 : Odyssey395_67
- Track 8 : Forrestell_66
- Track 9 : DogYard_66, Popstraw_62
- Track 10 : Pureglobe5_66
- Track 11 : Ollypop_63
- Track 12 : BruhMoment_50
- Track 13 : Persistence_85
- Track 14 : SpicyFrank_92
- Track 15 : Alatato_66
- Track 16 : Orkz_77
- Track 17 : BlackJade_84
- Track 18 : Vitus_69
- Track 19 : Jinkies_74
- Track 20 : Zucker_90
- Track 21 : BellaJr_88
- Track 22 : Merpity_45

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

The start number called the most often in the published annotations is 12, it was called in 11 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_67, BetaFish_67, DogYard_66, Forrestell_66, Hive_63, Kubulix_67, MellowYellow_67, Nikan_65, NyleyClemson_66, Odyssey395_67, Ollypop_63, Orkz_77, PhuzzTulsa_64, Pointis_64, Popstraw_62, Pureglobe5_66, RIPWilbur_66, Ranunculus_59, RazzB_66, Ren19_61,

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

-

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

- Alatato_66, BellaJr_88, BlackJade_84, BruhMoment_50, Jinkies_74, Merpity_45, Persistence_85, SpicyFrank_92, Vitus_69, Zucker_90,

Summary by start number:

Start 8:

- Found in 2 of 30 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlackJade_84 (FL), Jinkies_74 (FL),

Start 10:

- Found in 4 of 30 (13.3%) of genes in pham
- Manual Annotations of this start: 4 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatato_66 (FB), Persistence_85 (AY), SpicyFrank_92 (AY), Zucker_90 (FN),

Start 11:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_50 (AP3),

Start 12:

- Found in 20 of 30 (66.7%) of genes in pham
- Manual Annotations of this start: 11 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_67 (AP2), BetaFish_67 (AP2), DogYard_66 (AP2), Forrestell_66 (AP2), Hive_63 (AP2), Kubulix_67 (AP2), MellowYellow_67 (AP2), Nikan_65 (AP2), NyleyClemson_66 (AP2), Odyssey395_67 (AP2), Ollypop_63 (AP2), Orkz_77 (FL), PhuzzTulsa_64 (AP2), Pointis_64 (AP2), Popstraw_62 (AP2), Pureglobe5_66 (AP2), RIPWilbur_66 (AP2), Ranunculus_59 (AP), RazzB_66 (AP2), Ren19_61 (AP2),

Start 13:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Vitus_69 (FL),

Start 16:

- Found in 1 of 30 (3.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Merpity_45 (FQ),

Start 17:

- Found in 1 of 30 (3.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BellaJr_88 (FN),

Summary by clusters:

There are 8 clusters represented in this pham: FQ, AP2, AP3, AP, FB, AY, FL, FN,

Info for manual annotations of cluster AP:

- Start number 12 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:

- Start number 12 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 11 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AY:

- Start number 10 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster FB:

- Start number 10 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FL:

- Start number 8 was manually annotated 1 time for cluster FL.
- Start number 13 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FN:

- Start number 10 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Alatao_66 Start: 36652, Stop: 36918, Start Num: 10

Candidate Starts for Alatao_66:

(Start: 10 @36652 has 4 MA's), (25, 36757), (36, 36859), (42, 36880),

Gene: Beagle_67 Start: 42365, Stop: 42090, Start Num: 12

Candidate Starts for Beagle_67:

(Start: 12 @42365 has 11 MA's), (18, 42329), (22, 42272), (33, 42164), (35, 42149),

Gene: BellaJr_88 Start: 49498, Stop: 49731, Start Num: 17

Candidate Starts for BellaJr_88:

(1, 49054), (2, 49069), (3, 49138), (17, 49498), (27, 49594), (31, 49642), (45, 49717),

Gene: BetaFish_67 Start: 43321, Stop: 43055, Start Num: 12

Candidate Starts for BetaFish_67:

(Start: 12 @43321 has 11 MA's), (18, 43285), (22, 43228), (26, 43207), (33, 43120), (35, 43105),

Gene: BlackJade_84 Start: 44740, Stop: 44979, Start Num: 8

Candidate Starts for BlackJade_84:
(Start: 8 @44740 has 1 MA's), (20, 44809), (34, 44941),

Gene: BruhMoment_50 Start: 39910, Stop: 39683, Start Num: 11
Candidate Starts for BruhMoment_50:
(9, 39913), (Start: 11 @39910 has 1 MA's), (21, 39862), (23, 39817), (24, 39814),

Gene: DogYard_66 Start: 42560, Stop: 42288, Start Num: 12
Candidate Starts for DogYard_66:
(Start: 12 @42560 has 11 MA's), (18, 42524), (26, 42446),

Gene: Forrestell_66 Start: 41892, Stop: 41626, Start Num: 12
Candidate Starts for Forrestell_66:
(Start: 12 @41892 has 11 MA's), (18, 41856), (22, 41799), (26, 41778), (38, 41676), (40, 41673), (45, 41640),

Gene: Hive_63 Start: 42585, Stop: 42313, Start Num: 12
Candidate Starts for Hive_63:
(Start: 12 @42585 has 11 MA's), (18, 42549), (22, 42492), (33, 42384), (35, 42369),

Gene: Jinkies_74 Start: 44493, Stop: 44789, Start Num: 8
Candidate Starts for Jinkies_74:
(Start: 8 @44493 has 1 MA's),

Gene: Kubulix_67 Start: 42478, Stop: 42203, Start Num: 12
Candidate Starts for Kubulix_67:
(Start: 12 @42478 has 11 MA's), (18, 42442), (22, 42385), (33, 42277), (35, 42262),

Gene: MellowYellow_67 Start: 42565, Stop: 42293, Start Num: 12
Candidate Starts for MellowYellow_67:
(Start: 12 @42565 has 11 MA's), (18, 42529), (22, 42472), (33, 42364), (35, 42349),

Gene: Merpity_45 Start: 28400, Stop: 28615, Start Num: 16
Candidate Starts for Merpity_45:
(14, 28382), (16, 28400), (19, 28418),

Gene: Nikan_65 Start: 42436, Stop: 42206, Start Num: 12
Candidate Starts for Nikan_65:
(Start: 12 @42436 has 11 MA's), (28, 42328),

Gene: NyleyClemson_66 Start: 42180, Stop: 41908, Start Num: 12
Candidate Starts for NyleyClemson_66:
(Start: 12 @42180 has 11 MA's), (18, 42144), (22, 42087), (33, 41979), (35, 41964),

Gene: Odyssey395_67 Start: 42602, Stop: 42327, Start Num: 12
Candidate Starts for Odyssey395_67:
(Start: 12 @42602 has 11 MA's), (18, 42566), (33, 42401), (35, 42386),

Gene: Ollypop_63 Start: 43106, Stop: 42852, Start Num: 12
Candidate Starts for Ollypop_63:
(Start: 12 @43106 has 11 MA's), (18, 43070), (22, 43028), (33, 42923), (35, 42908),

Gene: Orkz_77 Start: 42490, Stop: 42714, Start Num: 12

Candidate Starts for Orkz_77:

(Start: 12 @42490 has 11 MA's), (43, 42685),

Gene: Persistence_85 Start: 47551, Stop: 47787, Start Num: 10

Candidate Starts for Persistence_85:

(Start: 10 @47551 has 4 MA's), (37, 47743), (39, 47749), (44, 47764),

Gene: PhuzzTulsa_64 Start: 42826, Stop: 42554, Start Num: 12

Candidate Starts for PhuzzTulsa_64:

(Start: 12 @42826 has 11 MA's), (18, 42790), (22, 42733), (33, 42625), (35, 42610),

Gene: Pointis_64 Start: 42405, Stop: 42130, Start Num: 12

Candidate Starts for Pointis_64:

(Start: 12 @42405 has 11 MA's), (18, 42369), (22, 42312), (33, 42204), (35, 42189),

Gene: Popstraw_62 Start: 42319, Stop: 42047, Start Num: 12

Candidate Starts for Popstraw_62:

(Start: 12 @42319 has 11 MA's), (18, 42283), (26, 42205),

Gene: Pureglobe5_66 Start: 42849, Stop: 42574, Start Num: 12

Candidate Starts for Pureglobe5_66:

(Start: 12 @42849 has 11 MA's), (18, 42813), (26, 42735), (33, 42648), (35, 42633),

Gene: RIPWilbur_66 Start: 42443, Stop: 42171, Start Num: 12

Candidate Starts for RIPWilbur_66:

(Start: 12 @42443 has 11 MA's), (18, 42407), (22, 42350), (33, 42242), (35, 42227),

Gene: Ranunculus_59 Start: 44856, Stop: 44584, Start Num: 12

Candidate Starts for Ranunculus_59:

(4, 45054), (Start: 12 @44856 has 11 MA's), (18, 44820), (22, 44763), (26, 44742),

Gene: RazzB_66 Start: 42311, Stop: 42039, Start Num: 12

Candidate Starts for RazzB_66:

(Start: 12 @42311 has 11 MA's), (18, 42275), (22, 42218), (33, 42110), (35, 42095),

Gene: Ren19_61 Start: 42043, Stop: 41816, Start Num: 12

Candidate Starts for Ren19_61:

(6, 42118), (7, 42091), (Start: 12 @42043 has 11 MA's), (28, 41935),

Gene: SpicyFrank_92 Start: 49662, Stop: 49916, Start Num: 10

Candidate Starts for SpicyFrank_92:

(Start: 10 @49662 has 4 MA's), (29, 49812), (30, 49818), (32, 49842),

Gene: Vitus_69 Start: 42739, Stop: 42999, Start Num: 13

Candidate Starts for Vitus_69:

(5, 42655), (Start: 13 @42739 has 1 MA's), (15, 42748), (41, 42961),

Gene: Zucker_90 Start: 50853, Stop: 51107, Start Num: 10

Candidate Starts for Zucker_90:

(Start: 10 @50853 has 4 MA's),