

Pham 309350



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 309350 Report

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

Pham number 309350 has 19 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Parada_62, Brylie_62, WheatThin_61, Mulch_62, Nadeem_62
- Track 2 : Bock_63, Pimento_64
- Track 3 : BetterKatz_62
- Track 4 : Hamood_63, Chop_63, Ayotoya_63, GrandSlam_63
- Track 5 : NancyRae_61
- Track 6 : Francois_62
- Track 7 : DelRio_63
- Track 8 : ArchiDore_60
- Track 9 : Ruthy_60
- Track 10 : Sprinklemunch_68
- Track 11 : REQ2_76

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

The start number called the most often in the published annotations is 17, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArchiDore_60, Ayotoya_63, BetterKatz_62, Bock_63, Brylie_62, Chop_63, DelRio_63, Francois_62, GrandSlam_63, Hamood_63, Mulch_62, Nadeem_62, NancyRae_61, Parada_62, Pimento_64, REQ2_76, Ruthy_60, Sprinklemunch_68, WheatThin_61,

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

-

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

-

Summary by start number:

Start 17:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17

- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArchiDore_60 (DW), Ayotoya_63 (DI), BetterKatz_62 (DI), Bock_63 (DI), Brylie_62 (DI), Chop_63 (DI), DelRio_63 (DI), Francois_62 (DI), GrandSlam_63 (DI), Hamood_63 (DI), Mulch_62 (DI), Nadeem_62 (DI), NancyRae_61 (DI), Parada_62 (DI), Pimento_64 (DI), REQ2_76 (singleton), Ruthy_60 (DW), Sprinklemunch_68 (DW), WheatThin_61 (DI),

Summary by clusters:

There are 3 clusters represented in this pham: DW, singleton, DI,

Info for manual annotations of cluster DI:

- Start number 17 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DW:

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

Gene Information:

Gene: ArchiDore_60 Start: 43187, Stop: 43564, Start Num: 17

Candidate Starts for ArchiDore_60:

(2, 42854), (3, 42860), (5, 42980), (7, 43004), (8, 43007), (10, 43034), (16, 43163), (Start: 17 @43187 has 17 MA's), (23, 43262), (30, 43397), (32, 43523),

Gene: Ayotoya_63 Start: 41820, Stop: 42203, Start Num: 17

Candidate Starts for Ayotoya_63:

(13, 41772), (Start: 17 @41820 has 17 MA's), (19, 41850), (28, 41997), (29, 42000),

Gene: BetterKatz_62 Start: 40995, Stop: 41402, Start Num: 17

Candidate Starts for BetterKatz_62:

(12, 40938), (13, 40944), (15, 40953), (Start: 17 @40995 has 17 MA's), (21, 41046), (27, 41187), (28, 41196), (29, 41199),

Gene: Bock_63 Start: 41039, Stop: 41422, Start Num: 17

Candidate Starts for Bock_63:

(12, 40982), (13, 40988), (15, 40997), (Start: 17 @41039 has 17 MA's), (19, 41069), (28, 41216), (29, 41219),

Gene: Brylie_62 Start: 40821, Stop: 41225, Start Num: 17

Candidate Starts for Brylie_62:

(12, 40764), (13, 40770), (15, 40779), (Start: 17 @40821 has 17 MA's), (21, 40872), (28, 41019), (29, 41022),

Gene: Chop_63 Start: 41571, Stop: 41954, Start Num: 17

Candidate Starts for Chop_63:

(13, 41523), (Start: 17 @41571 has 17 MA's), (19, 41601), (28, 41748), (29, 41751),

Gene: DelRio_63 Start: 42008, Stop: 42412, Start Num: 17

Candidate Starts for DelRio_63:

(12, 41951), (13, 41957), (15, 41966), (Start: 17 @42008 has 17 MA's), (21, 42059), (26, 42167), (27, 42197), (28, 42206), (29, 42209),

Gene: Francois_62 Start: 41031, Stop: 41411, Start Num: 17
Candidate Starts for Francois_62:
(Start: 17 @41031 has 17 MA's), (19, 41061), (28, 41208), (29, 41211),

Gene: GrandSlam_63 Start: 41571, Stop: 41954, Start Num: 17
Candidate Starts for GrandSlam_63:
(13, 41523), (Start: 17 @41571 has 17 MA's), (19, 41601), (28, 41748), (29, 41751),

Gene: Hamood_63 Start: 41571, Stop: 41954, Start Num: 17
Candidate Starts for Hamood_63:
(13, 41523), (Start: 17 @41571 has 17 MA's), (19, 41601), (28, 41748), (29, 41751),

Gene: Mulch_62 Start: 40821, Stop: 41225, Start Num: 17
Candidate Starts for Mulch_62:
(12, 40764), (13, 40770), (15, 40779), (Start: 17 @40821 has 17 MA's), (21, 40872), (28, 41019), (29, 41022),

Gene: Nadeem_62 Start: 40809, Stop: 41213, Start Num: 17
Candidate Starts for Nadeem_62:
(12, 40752), (13, 40758), (15, 40767), (Start: 17 @40809 has 17 MA's), (21, 40860), (28, 41007), (29, 41010),

Gene: NancyRae_61 Start: 40759, Stop: 41163, Start Num: 17
Candidate Starts for NancyRae_61:
(12, 40702), (13, 40708), (15, 40717), (Start: 17 @40759 has 17 MA's), (21, 40810), (26, 40918), (28, 40957), (29, 40960),

Gene: Parada_62 Start: 40821, Stop: 41225, Start Num: 17
Candidate Starts for Parada_62:
(12, 40764), (13, 40770), (15, 40779), (Start: 17 @40821 has 17 MA's), (21, 40872), (28, 41019), (29, 41022),

Gene: Pimento_64 Start: 40737, Stop: 41120, Start Num: 17
Candidate Starts for Pimento_64:
(12, 40680), (13, 40686), (15, 40695), (Start: 17 @40737 has 17 MA's), (19, 40767), (28, 40914), (29, 40917),

Gene: REQ2_76 Start: 45773, Stop: 46183, Start Num: 17
Candidate Starts for REQ2_76:
(6, 45575), (9, 45611), (11, 45674), (Start: 17 @45773 has 17 MA's), (18, 45797), (20, 45815), (25, 45917), (31, 45998), (32, 46118), (33, 46175),

Gene: Ruthy_60 Start: 43068, Stop: 43415, Start Num: 17
Candidate Starts for Ruthy_60:
(1, 42735), (4, 42795), (Start: 17 @43068 has 17 MA's), (23, 43143), (30, 43278), (32, 43374),

Gene: Sprinklemunch_68 Start: 45657, Stop: 46028, Start Num: 17
Candidate Starts for Sprinklemunch_68:
(8, 45486), (14, 45615), (Start: 17 @45657 has 17 MA's), (22, 45729), (24, 45768), (26, 45807), (30, 45867), (32, 45987),

Gene: WheatThin_61 Start: 40809, Stop: 41213, Start Num: 17

Candidate Starts for WheatThin_61:

(12, 40752), (13, 40758), (15, 40767), (Start: 17 @40809 has 17 MA's), (21, 40860), (28, 41007), (29, 41010),