

Pham 296964



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 296964 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296964 has 20 members, 13 are drafts.

Phages represented in each track:

- Track 1 : EvePickles_21
- Track 2 : Sashimi_22
- Track 3 : Faja_21
- Track 4 : Kukla_19
- Track 5 : Ezurina_18
- Track 6 : Makima_20
- Track 7 : TMaxx_19
- Track 8 : LastNadiia_22, Audell_22
- Track 9 : Gerri43_20, ChipsNGuac_20, AnnabelLee_19, Roberts_19, ChamoyPickle_20, CardboardBox_20
- Track 10 : TripleC_22
- Track 11 : Studio_20
- Track 12 : Neuville_19
- Track 13 : Mireles_19
- Track 14 : Agamotto_21

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agamotto_21, AnnabelLee_19, Audell_22, CardboardBox_20, ChamoyPickle_20, ChipsNGuac_20, EvePickles_21, Ezurina_18, Faja_21, Gerri43_20, Kukla_19, LastNadiia_22, Makima_20, Mireles_19, Roberts_19, Sashimi_22, TMaxx_19,

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

- Neuville_19, Studio_20, TripleC_22,

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

-

Summary by start number:

Start 1:

- Found in 12 of 20 (60.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Neuville_19 (FR), Studio_20 (FR), TripleC_22 (FR),

Start 4:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 85.0% of time when present
- Phage (with cluster) where this start called: Agamoto_21 (FR), AnnabelLee_19 (FR), Audell_22 (FR), CardboardBox_20 (FR), ChamoyPickle_20 (FR), ChipsNGuac_20 (FR), EvePickles_21 (AY), Ezurina_18 (FR), Faja_21 (AY), Gerri43_20 (FR), Kukla_19 (FJ), LastNadiia_22 (FR), Makima_20 (FR), Mireles_19 (FR), Roberts_19 (FR), Sashimi_22 (AY), TMaxx_19 (FR),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FJ, FR,

Info for manual annotations of cluster AY:

- Start number 4 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster FJ:

- Start number 4 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FR:

- Start number 4 was manually annotated 3 times for cluster FR.

Gene Information:

Gene: Agamoto_21 Start: 15857, Stop: 16783, Start Num: 4

Candidate Starts for Agamoto_21:

(1, 15842), (Start: 4 @15857 has 7 MA's), (6, 15908), (7, 15929), (13, 16028), (14, 16046), (15, 16079), (21, 16217), (27, 16337), (28, 16355), (33, 16439), (43, 16568), (46, 16577), (55, 16625), (59, 16658), (64, 16703),

Gene: AnnabelLee_19 Start: 12817, Stop: 13746, Start Num: 4

Candidate Starts for AnnabelLee_19:

(1, 12802), (Start: 4 @12817 has 7 MA's), (6, 12868), (9, 12940), (14, 13006), (15, 13039), (25, 13261), (27, 13297), (30, 13369), (33, 13399), (47, 13537), (57, 13594), (58, 13615), (69, 13729),

Gene: Audell_22 Start: 16138, Stop: 17070, Start Num: 4

Candidate Starts for Audell_22:

(Start: 4 @16138 has 7 MA's), (6, 16189), (14, 16327), (15, 16360), (19, 16399), (21, 16498), (24, 16534), (27, 16618), (28, 16636), (33, 16720), (40, 16819), (45, 16852), (47, 16858), (58, 16939), (69, 17053),

Gene: CardboardBox_20 Start: 12817, Stop: 13746, Start Num: 4

Candidate Starts for CardboardBox_20:

(1, 12802), (Start: 4 @12817 has 7 MA's), (6, 12868), (9, 12940), (14, 13006), (15, 13039), (25, 13261), (27, 13297), (30, 13369), (33, 13399), (47, 13537), (57, 13594), (58, 13615), (69, 13729),

Gene: ChamoyPickle_20 Start: 12817, Stop: 13746, Start Num: 4

Candidate Starts for ChamoyPickle_20:

(1, 12802), (Start: 4 @12817 has 7 MA's), (6, 12868), (9, 12940), (14, 13006), (15, 13039), (25, 13261), (27, 13297), (30, 13369), (33, 13399), (47, 13537), (57, 13594), (58, 13615), (69, 13729),

Gene: ChipsNGuac_20 Start: 12817, Stop: 13746, Start Num: 4

Candidate Starts for ChipsNGuac_20:

(1, 12802), (Start: 4 @12817 has 7 MA's), (6, 12868), (9, 12940), (14, 13006), (15, 13039), (25, 13261), (27, 13297), (30, 13369), (33, 13399), (47, 13537), (57, 13594), (58, 13615), (69, 13729),

Gene: EvePickles_21 Start: 16081, Stop: 17058, Start Num: 4

Candidate Starts for EvePickles_21:

(Start: 4 @16081 has 7 MA's), (9, 16204), (10, 16222), (12, 16228), (14, 16270), (15, 16303), (18, 16330), (20, 16357), (22, 16450), (25, 16525), (32, 16654), (33, 16663), (36, 16690), (38, 16744), (42, 16795),

Gene: Ezurina_18 Start: 12389, Stop: 13480, Start Num: 4

Candidate Starts for Ezurina_18:

(1, 12374), (Start: 4 @12389 has 7 MA's), (8, 12500), (11, 12545), (16, 12644), (37, 13061), (41, 13115), (44, 13133), (52, 13178), (54, 13184), (67, 13313), (70, 13361), (72, 13445),

Gene: Faja_21 Start: 15977, Stop: 16954, Start Num: 4

Candidate Starts for Faja_21:

(Start: 4 @15977 has 7 MA's), (12, 16124), (14, 16166), (15, 16199), (26, 16451), (27, 16457), (33, 16559), (38, 16640), (42, 16691), (48, 16712), (50, 16730), (71, 16922),

Gene: Gerri43_20 Start: 12817, Stop: 13746, Start Num: 4

Candidate Starts for Gerri43_20:

(1, 12802), (Start: 4 @12817 has 7 MA's), (6, 12868), (9, 12940), (14, 13006), (15, 13039), (25, 13261), (27, 13297), (30, 13369), (33, 13399), (47, 13537), (57, 13594), (58, 13615), (69, 13729),

Gene: Kukla_19 Start: 15456, Stop: 16433, Start Num: 4

Candidate Starts for Kukla_19:

(2, 15444), (3, 15450), (Start: 4 @15456 has 7 MA's), (8, 15555), (12, 15603), (14, 15645), (15, 15678), (22, 15825), (26, 15930), (27, 15936), (32, 16029), (35, 16059), (38, 16119), (42, 16170), (48, 16191),

Gene: LastNadiia_22 Start: 15090, Stop: 16022, Start Num: 4

Candidate Starts for LastNadiia_22:

(Start: 4 @15090 has 7 MA's), (6, 15141), (14, 15279), (15, 15312), (19, 15351), (21, 15450), (24, 15486), (27, 15570), (28, 15588), (33, 15672), (40, 15771), (45, 15804), (47, 15810), (58, 15891), (69, 16005),

Gene: Makima_20 Start: 14173, Stop: 15105, Start Num: 4

Candidate Starts for Makima_20:

(Start: 4 @14173 has 7 MA's), (6, 14224), (14, 14362), (15, 14395), (21, 14533), (27, 14653), (28, 14671), (33, 14755), (40, 14854), (47, 14893), (53, 14932), (55, 14938), (58, 14974), (69, 15088),

Gene: Mireles_19 Start: 12581, Stop: 13513, Start Num: 4

Candidate Starts for Mireles_19:

(1, 12566), (Start: 4 @12581 has 7 MA's), (5, 12611), (6, 12632), (14, 12770), (15, 12803), (19, 12842), (23, 12959), (27, 13061), (29, 13103), (33, 13163), (57, 13361), (61, 13403), (62, 13412),

Gene: Neuville_19 Start: 12802, Stop: 13746, Start Num: 1

Candidate Starts for Neuville_19:

(1, 12802), (Start: 4 @12817 has 7 MA's), (6, 12868), (9, 12940), (14, 13006), (15, 13039), (25, 13261), (27, 13297), (30, 13369), (33, 13399), (47, 13537), (57, 13594), (58, 13615), (69, 13729),

Gene: Roberts_19 Start: 12817, Stop: 13746, Start Num: 4

Candidate Starts for Roberts_19:

(1, 12802), (Start: 4 @12817 has 7 MA's), (6, 12868), (9, 12940), (14, 13006), (15, 13039), (25, 13261), (27, 13297), (30, 13369), (33, 13399), (47, 13537), (57, 13594), (58, 13615), (69, 13729),

Gene: Sashimi_22 Start: 16083, Stop: 17060, Start Num: 4

Candidate Starts for Sashimi_22:

(Start: 4 @16083 has 7 MA's), (9, 16206), (12, 16230), (14, 16272), (15, 16305), (21, 16443), (33, 16665), (42, 16797), (48, 16818),

Gene: Studio_20 Start: 12565, Stop: 13644, Start Num: 1

Candidate Starts for Studio_20:

(1, 12565), (Start: 4 @12580 has 7 MA's), (8, 12691), (10, 12733), (11, 12736), (17, 12838), (28, 13090), (31, 13159), (34, 13189), (37, 13252), (39, 13279), (40, 13291), (41, 13303), (42, 13309), (50, 13348), (56, 13390), (63, 13441), (65, 13465), (68, 13510), (73, 13639),

Gene: TMaxx_19 Start: 12677, Stop: 13591, Start Num: 4

Candidate Starts for TMaxx_19:

(Start: 4 @12677 has 7 MA's), (6, 12728), (7, 12749), (14, 12866), (15, 12899), (21, 13037), (24, 13073), (27, 13157), (28, 13175), (30, 13229), (33, 13259), (47, 13388), (49, 13406), (51, 13418), (55, 13433), (59, 13466), (64, 13511),

Gene: TripleC_22 Start: 16158, Stop: 17096, Start Num: 1

Candidate Starts for TripleC_22:

(1, 16158), (Start: 4 @16173 has 7 MA's), (6, 16224), (14, 16362), (15, 16395), (19, 16434), (21, 16533), (27, 16653), (28, 16671), (33, 16755), (53, 16932), (60, 16983), (64, 17025), (66, 17049),