

Pham 331147



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 331147 Report

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

Pham number 331147 has 27 members, 5 are drafts.

Phages represented in each track:

- Track 1 : CloverMinnie_55, Blackpen_55, Wooper_56, FelixTres_55, MossRose_55, TraderJ_56, Yeshua_56
- Track 2 : AnClar_52
- Track 3 : Sour_55
- Track 4 : Evaa_51
- Track 5 : Ligma_53, Fresco_53, Axumite_53, Shatter_53
- Track 6 : Mariokart_52, CharlottesWeb_52, Coco2012_52, JellyBelly_51
- Track 7 : NHagos_54, AksarBAT_55
- Track 8 : Sisko_51
- Track 9 : CaiB_56
- Track 10 : LittleMunchkin_54
- Track 11 : MakoManhole_53
- Track 12 : BiggityBass_51
- Track 13 : Yago84_51
- Track 14 : AnarQue_56

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AksarBAT_55, AnarQue_56, Blackpen_55, CaiB_56, CloverMinnie_55, Evaa_51, FelixTres_55, MakoManhole_53, MossRose_55, NHagos_54, TraderJ_56, Wooper_56, Yeshua_56,

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

-

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

- AnClar_52, Axumite_53, BiggityBass_51, CharlottesWeb_52, Coco2012_52, Fresco_53, JellyBelly_51, Ligma_53, LittleMunchkin_54, Mariokart_52, Shatter_53, Sisko_51, Sour_55, Yago84_51,

Summary by start number:

Start 3:

- Found in 13 of 27 (48.1%) of genes in pham
- Manual Annotations of this start: 10 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AksarBAT_55 (DR), AnarQue_56 (DR), Blackpen_55 (DR), CaiB_56 (DR), CloverMinnie_55 (DR), Evaa_51 (DR), FelixTres_55 (DR), MakoManhole_53 (DR), MossRose_55 (DR), NHagos_54 (DR), TraderJ_56 (DR), Wooper_56 (DR), Yeshua_56 (DR),

Start 9:

- Found in 4 of 27 (14.8%) of genes in pham
- Manual Annotations of this start: 4 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnClar_52 (DR), BiggityBass_51 (DR), Sisko_51 (DR), Yago84_51 (DR),

Start 10:

- Found in 1 of 27 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleMunchkin_54 (DR),

Start 11:

- Found in 1 of 27 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sour_55 (DR),

Start 12:

- Found in 8 of 27 (29.6%) of genes in pham
- Manual Annotations of this start: 6 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Axumite_53 (DR), CharlottesWeb_52 (DR), Coco2012_52 (DR), Fresco_53 (DR), JellyBelly_51 (DR), Ligma_53 (DR), Mariokart_52 (DR), Shatter_53 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 3 was manually annotated 10 times for cluster DR.
- Start number 9 was manually annotated 4 times for cluster DR.
- Start number 10 was manually annotated 1 time for cluster DR.
- Start number 11 was manually annotated 1 time for cluster DR.
- Start number 12 was manually annotated 6 times for cluster DR.

Gene Information:

Gene: AksarBAT_55 Start: 48138, Stop: 47536, Start Num: 3

Candidate Starts for AksarBAT_55:

(Start: 3 @48138 has 10 MA's), (16, 47955), (24, 47877), (28, 47838), (37, 47784), (38, 47778), (54, 47589),

Gene: AnClar_52 Start: 48749, Stop: 48273, Start Num: 9

Candidate Starts for AnClar_52:

(1, 48956), (Start: 9 @48749 has 4 MA's), (23, 48638), (25, 48611), (38, 48500), (49, 48374), (53, 48335),

Gene: AnarQue_56 Start: 48966, Stop: 48397, Start Num: 3

Candidate Starts for AnarQue_56:

(Start: 3 @48966 has 10 MA's), (7, 48885), (20, 48747), (26, 48687), (36, 48615), (37, 48612), (41, 48564), (45, 48558), (47, 48498), (54, 48453),

Gene: Axumite_53 Start: 46714, Stop: 46265, Start Num: 12

Candidate Starts for Axumite_53:

(Start: 12 @46714 has 6 MA's), (15, 46672), (23, 46612), (48, 46360), (50, 46348),

Gene: BiggityBass_51 Start: 48087, Stop: 47641, Start Num: 9

Candidate Starts for BiggityBass_51:

(1, 48300), (Start: 9 @48087 has 4 MA's), (18, 48018), (23, 47976), (27, 47934), (34, 47877), (38, 47862), (55, 47682),

Gene: Blackpen_55 Start: 48044, Stop: 47466, Start Num: 3

Candidate Starts for Blackpen_55:

(Start: 3 @48044 has 10 MA's), (7, 47963), (20, 47825), (36, 47693), (37, 47690), (41, 47633), (45, 47627), (47, 47567), (54, 47522),

Gene: CaiB_56 Start: 49517, Stop: 48930, Start Num: 3

Candidate Starts for CaiB_56:

(Start: 3 @49517 has 10 MA's), (7, 49436), (14, 49343), (20, 49298), (38, 49157), (39, 49154), (47, 49031), (56, 48971),

Gene: CharlottesWeb_52 Start: 46101, Stop: 45649, Start Num: 12

Candidate Starts for CharlottesWeb_52:

(4, 46194), (Start: 12 @46101 has 6 MA's), (18, 46041), (22, 46005), (33, 45915), (37, 45894), (48, 45750), (50, 45738),

Gene: CloverMinnie_55 Start: 48552, Stop: 47974, Start Num: 3

Candidate Starts for CloverMinnie_55:

(Start: 3 @48552 has 10 MA's), (7, 48471), (20, 48333), (36, 48201), (37, 48198), (41, 48141), (45, 48135), (47, 48075), (54, 48030),

Gene: Coco2012_52 Start: 46093, Stop: 45641, Start Num: 12

Candidate Starts for Coco2012_52:

(4, 46186), (Start: 12 @46093 has 6 MA's), (18, 46033), (22, 45997), (33, 45907), (37, 45886), (48, 45742), (50, 45730),

Gene: Evaa_51 Start: 46670, Stop: 46056, Start Num: 3

Candidate Starts for Evaa_51:

(2, 46718), (Start: 3 @46670 has 10 MA's), (5, 46625), (6, 46622), (8, 46547), (13, 46493), (19, 46460), (21, 46433), (29, 46349), (30, 46346), (32, 46334), (35, 46310), (44, 46232), (46, 46223), (51, 46133),

Gene: FelixTres_55 Start: 48587, Stop: 48012, Start Num: 3

Candidate Starts for FelixTres_55:

(Start: 3 @48587 has 10 MA's), (7, 48506), (20, 48368), (36, 48236), (37, 48233), (41, 48179), (45, 48173), (47, 48113), (54, 48068),

Gene: Fresco_53 Start: 46714, Stop: 46265, Start Num: 12

Candidate Starts for Fresco_53:

(Start: 12 @46714 has 6 MA's), (15, 46672), (23, 46612), (48, 46360), (50, 46348),

Gene: JellyBelly_51 Start: 46099, Stop: 45647, Start Num: 12

Candidate Starts for JellyBelly_51:

(4, 46192), (Start: 12 @46099 has 6 MA's), (18, 46039), (22, 46003), (33, 45913), (37, 45892), (48, 45748), (50, 45736),

Gene: Ligma_53 Start: 46714, Stop: 46265, Start Num: 12

Candidate Starts for Ligma_53:

(Start: 12 @46714 has 6 MA's), (15, 46672), (23, 46612), (48, 46360), (50, 46348),

Gene: LittleMunchkin_54 Start: 49386, Stop: 48961, Start Num: 10

Candidate Starts for LittleMunchkin_54:

(Start: 10 @49386 has 1 MA's), (15, 49338), (17, 49323), (23, 49278), (31, 49218), (37, 49185), (38, 49179), (42, 49131), (43, 49128), (46, 49125),

Gene: MakoManhole_53 Start: 48044, Stop: 47469, Start Num: 3

Candidate Starts for MakoManhole_53:

(Start: 3 @48044 has 10 MA's), (7, 47963), (20, 47825), (36, 47693), (37, 47690), (41, 47636), (45, 47630), (47, 47570), (56, 47510),

Gene: Mariokart_52 Start: 46387, Stop: 45935, Start Num: 12

Candidate Starts for Mariokart_52:

(4, 46480), (Start: 12 @46387 has 6 MA's), (18, 46327), (22, 46291), (33, 46201), (37, 46180), (48, 46036), (50, 46024),

Gene: MossRose_55 Start: 48597, Stop: 48031, Start Num: 3

Candidate Starts for MossRose_55:

(Start: 3 @48597 has 10 MA's), (7, 48516), (20, 48378), (36, 48246), (37, 48243), (41, 48198), (45, 48192), (47, 48132), (54, 48087),

Gene: NHagos_54 Start: 47410, Stop: 46808, Start Num: 3

Candidate Starts for NHagos_54:

(Start: 3 @47410 has 10 MA's), (16, 47227), (24, 47149), (28, 47110), (37, 47056), (38, 47050), (54, 46861),

Gene: Shatter_53 Start: 46714, Stop: 46265, Start Num: 12

Candidate Starts for Shatter_53:

(Start: 12 @46714 has 6 MA's), (15, 46672), (23, 46612), (48, 46360), (50, 46348),

Gene: Sisko_51 Start: 46752, Stop: 46276, Start Num: 9

Candidate Starts for Sisko_51:

(1, 46959), (Start: 9 @46752 has 4 MA's), (23, 46641), (25, 46614), (38, 46503), (49, 46377), (53, 46338),

Gene: Sour_55 Start: 49917, Stop: 49447, Start Num: 11

Candidate Starts for Sour_55:

(Start: 11 @49917 has 1 MA's), (15, 49872), (23, 49812), (31, 49722), (37, 49689), (38, 49683), (40, 49671), (47, 49563), (48, 49551), (52, 49524),

Gene: TraderJ_56 Start: 48929, Stop: 48354, Start Num: 3

Candidate Starts for TraderJ_56:

(Start: 3 @48929 has 10 MA's), (7, 48848), (20, 48710), (36, 48578), (37, 48575), (41, 48521), (45, 48515), (47, 48455), (54, 48410),

Gene: Wooper_56 Start: 48938, Stop: 48363, Start Num: 3

Candidate Starts for Wooper_56:

(Start: 3 @48938 has 10 MA's), (7, 48857), (20, 48719), (36, 48587), (37, 48584), (41, 48530), (45, 48524), (47, 48464), (54, 48419),

Gene: Yago84_51 Start: 46827, Stop: 46351, Start Num: 9

Candidate Starts for Yago84_51:

(Start: 9 @46827 has 4 MA's), (23, 46716), (25, 46689), (38, 46578), (49, 46452), (53, 46413),

Gene: Yeshua_56 Start: 48915, Stop: 48340, Start Num: 3

Candidate Starts for Yeshua_56:

(Start: 3 @48915 has 10 MA's), (7, 48834), (20, 48696), (36, 48564), (37, 48561), (41, 48507), (45, 48501), (47, 48441), (54, 48396),