

Pham 309081



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 309081 Report

This analysis was run 06/27/26 on database version 652.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 309081 has 26 members, 3 are drafts.

Phages represented in each track:

- Track 1 : TG1_38
- Track 2 : Vash_42
- Track 3 : phiBT1_18
- Track 4 : Lilbooboo_43
- Track 5 : Shawty_42
- Track 6 : Euratis_44
- Track 7 : Heather_45
- Track 8 : Diane_77
- Track 9 : Celery_70
- Track 10 : Provolone_68, Alsaber_67, Sudan_67, Kaine_67
- Track 11 : ZamZam_67
- Track 12 : Dexers_65, Conan_68, Pavo_68
- Track 13 : Vanseggelen_72
- Track 14 : ElGato_68
- Track 15 : Jhitchelle_64
- Track 16 : Saftant_65
- Track 17 : Dubu_28
- Track 18 : AbbeyMikolon_50
- Track 19 : Rowa_47
- Track 20 : Nesbitt_48
- Track 21 : Ponzi_10

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 12 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alsaber_67, Celery_70, Conan_68, Dexers_65, ElGato_68, Jhitchelle_64, Kaine_67, Pavo_68, Ponzi_10, Provolone_68, Saftant_65, Sudan_67, Vanseggelen_72,

ZamZam_67,

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

- Dubu_28,

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

- AbbeyMikolon_50, Diane_77, Euratis_44, Heather_45, Lilbooboo_43, Nesbitt_48, Rowa_47, Shawty_42, TG1_38, Vash_42, phiBT1_18,

Summary by start number:

Start 11:

- Found in 1 of 26 (3.8%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dubu_28 (BJ),

Start 12:

- Found in 1 of 26 (3.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: phiBT1_18 (BB1),

Start 14:

- Found in 2 of 26 (7.7%) of genes in pham
- Manual Annotations of this start: 2 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_50 (BL), Nesbitt_48 (BL),

Start 16:

- Found in 1 of 26 (3.8%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Heather_45 (BB2),

Start 17:

- Found in 15 of 26 (57.7%) of genes in pham
- Manual Annotations of this start: 12 of 23
- Called 93.3% of time when present
- Phage (with cluster) where this start called: Alsaber_67 (BD3), Celery_70 (BD3), Conan_68 (BD3), Dexers_65 (BD3), ElGato_68 (BD3), Jhitchelle_64 (BD3), Kaine_67 (BD3), Pavo_68 (BD3), Ponzi_10 (singleton), Provolone_68 (BD3), Saftant_65 (BD3), Sudan_67 (BD3), Vanseggelen_72 (BD3), ZamZam_67 (BD3),

Start 18:

- Found in 1 of 26 (3.8%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rowa_47 (BL),

Start 19:

- Found in 3 of 26 (11.5%) of genes in pham
- Manual Annotations of this start: 3 of 23

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Euratis_44 (BB1), Lilbooboo_43 (BB1), Vash_42 (BB1),

Start 20:

- Found in 3 of 26 (11.5%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Shawty_42 (BB1),

Start 21:

- Found in 1 of 26 (3.8%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TG1_38 (BB1),

Start 25:

- Found in 3 of 26 (11.5%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Diane_77 (BD2),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, BL, BJ, BD3, BD2, BB2, BB1,

Info for manual annotations of cluster BB1:

- Start number 19 was manually annotated 3 times for cluster BB1.
- Start number 20 was manually annotated 1 time for cluster BB1.
- Start number 21 was manually annotated 1 time for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 16 was manually annotated 1 time for cluster BB2.

Info for manual annotations of cluster BD2:

- Start number 25 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 17 was manually annotated 11 times for cluster BD3.

Info for manual annotations of cluster BJ:

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

Info for manual annotations of cluster BL:

- Start number 14 was manually annotated 2 times for cluster BL.
- Start number 18 was manually annotated 1 time for cluster BL.

Gene Information:

Gene: AbbeyMikolon_50 Start: 34818, Stop: 35045, Start Num: 14

Candidate Starts for AbbeyMikolon_50:

(5, 34713), (6, 34734), (Start: 14 @34818 has 2 MA's), (27, 34875), (28, 34878), (43, 34968), (44, 34980), (51, 35001), (52, 35007),

Gene: Alsaber_67 Start: 43932, Stop: 43747, Start Num: 17

Candidate Starts for Alsaber_67:

(1, 44124), (Start: 17 @43932 has 12 MA's), (27, 43896), (52, 43776),

Gene: Celery_70 Start: 43835, Stop: 43656, Start Num: 17

Candidate Starts for Celery_70:

(Start: 17 @43835 has 12 MA's), (Start: 25 @43811 has 1 MA's), (27, 43802), (42, 43724), (52, 43685),

Gene: Conan_68 Start: 44184, Stop: 43999, Start Num: 17

Candidate Starts for Conan_68:

(Start: 17 @44184 has 12 MA's), (27, 44148), (52, 44028),

Gene: Dexers_65 Start: 44158, Stop: 43973, Start Num: 17

Candidate Starts for Dexers_65:

(Start: 17 @44158 has 12 MA's), (27, 44122), (52, 44002),

Gene: Diane_77 Start: 48864, Stop: 48694, Start Num: 25

Candidate Starts for Diane_77:

(Start: 20 @48882 has 1 MA's), (Start: 25 @48864 has 1 MA's), (39, 48783), (51, 48729), (52, 48723),

Gene: Dubu_28 Start: 22494, Stop: 22727, Start Num: 11

Candidate Starts for Dubu_28:

(Start: 11 @22494 has 1 MA's), (15, 22524), (Start: 17 @22533 has 12 MA's), (24, 22557), (Start: 25 @22563 has 1 MA's), (34, 22593), (35, 22602), (40, 22647), (43, 22662), (44, 22674),

Gene: ElGato_68 Start: 44061, Stop: 43876, Start Num: 17

Candidate Starts for ElGato_68:

(1, 44253), (7, 44145), (Start: 17 @44061 has 12 MA's), (27, 44025), (52, 43905),

Gene: Euratis_44 Start: 32135, Stop: 32332, Start Num: 19

Candidate Starts for Euratis_44:

(13, 32093), (Start: 19 @32135 has 3 MA's), (26, 32156), (29, 32168), (31, 32174), (37, 32216),

Gene: Heather_45 Start: 33301, Stop: 33516, Start Num: 16

Candidate Starts for Heather_45:

(Start: 16 @33301 has 1 MA's), (30, 33346), (33, 33355), (50, 33460), (52, 33469),

Gene: Jhitchelle_64 Start: 43438, Stop: 43259, Start Num: 17

Candidate Starts for Jhitchelle_64:

(2, 43603), (Start: 17 @43438 has 12 MA's), (27, 43402), (42, 43327), (52, 43288),

Gene: Kaine_67 Start: 43956, Stop: 43771, Start Num: 17

Candidate Starts for Kaine_67:

(1, 44148), (Start: 17 @43956 has 12 MA's), (27, 43920), (52, 43800),

Gene: Lilbooboo_43 Start: 32803, Stop: 33003, Start Num: 19

Candidate Starts for Lilbooboo_43:

(13, 32761), (Start: 19 @32803 has 3 MA's), (26, 32824), (29, 32836), (31, 32842), (41, 32911), (52, 32962),

Gene: Nesbitt_48 Start: 34701, Stop: 34934, Start Num: 14

Candidate Starts for Nesbitt_48:

(4, 34584), (5, 34596), (6, 34617), (Start: 14 @34701 has 2 MA's), (27, 34758), (28, 34761), (32, 34773), (40, 34833), (43, 34851), (44, 34863), (48, 34875), (51, 34884), (52, 34890),

Gene: Pavo_68 Start: 44132, Stop: 43947, Start Num: 17

Candidate Starts for Pavo_68:

(Start: 17 @44132 has 12 MA's), (27, 44096), (52, 43976),

Gene: Ponzi_10 Start: 7385, Stop: 7191, Start Num: 17

Candidate Starts for Ponzi_10:

(Start: 17 @7385 has 12 MA's), (22, 7373), (28, 7349), (32, 7337), (36, 7322), (42, 7271), (52, 7223),

Gene: Provolone_68 Start: 44273, Stop: 44088, Start Num: 17

Candidate Starts for Provolone_68:

(1, 44465), (Start: 17 @44273 has 12 MA's), (27, 44237), (52, 44117),

Gene: Rowa_47 Start: 34523, Stop: 34726, Start Num: 18

Candidate Starts for Rowa_47:

(Start: 18 @34523 has 1 MA's), (23, 34538), (31, 34568), (45, 34667), (49, 34676),

Gene: Saftant_65 Start: 44014, Stop: 43835, Start Num: 17

Candidate Starts for Saftant_65:

(7, 44098), (Start: 17 @44014 has 12 MA's), (Start: 20 @44005 has 1 MA's), (22, 43999), (48, 43879), (52, 43864),

Gene: Shawty_42 Start: 32427, Stop: 32624, Start Num: 20

Candidate Starts for Shawty_42:

(Start: 20 @32427 has 1 MA's), (27, 32454), (39, 32526), (47, 32568), (52, 32586),

Gene: Sudan_67 Start: 43939, Stop: 43754, Start Num: 17

Candidate Starts for Sudan_67:

(1, 44131), (Start: 17 @43939 has 12 MA's), (27, 43903), (52, 43783),

Gene: TG1_38 Start: 31372, Stop: 31563, Start Num: 21

Candidate Starts for TG1_38:

(Start: 21 @31372 has 1 MA's), (38, 31465), (40, 31477), (42, 31486), (45, 31510), (52, 31531),

Gene: Vanseggelen_72 Start: 43995, Stop: 43816, Start Num: 17

Candidate Starts for Vanseggelen_72:

(10, 44058), (Start: 17 @43995 has 12 MA's), (52, 43845),

Gene: Vash_42 Start: 32602, Stop: 32802, Start Num: 19

Candidate Starts for Vash_42:

(Start: 19 @32602 has 3 MA's), (26, 32623), (29, 32635), (31, 32641), (41, 32710), (52, 32761),

Gene: ZamZam_67 Start: 44356, Stop: 44177, Start Num: 17

Candidate Starts for ZamZam_67:

(3, 44518), (Start: 17 @44356 has 12 MA's), (22, 44341), (27, 44320), (46, 44224), (52, 44206),

Gene: phiBT1_18 Start: 33362, Stop: 33613, Start Num: 12

Candidate Starts for phiBT1_18:

(8, 33317), (9, 33335), (12, 33362), (32, 33452), (39, 33509), (40, 33515), (41, 33518), (49, 33557),