

Pham 331177



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 331177 Report

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

Pham number 331177 has 25 members, 2 are drafts.

Phages represented in each track:

- Track 1 : DeluluLabubu_267, Gilson_265, Francob_268, Maupel_271
- Track 2 : Moab_265, Patelgo_268
- Track 3 : Belfort_267, Comrade_262, Stigma_264, Westy_268, Karp_267
- Track 4 : TunaTartare_261
- Track 5 : MeganTheeKilla_267
- Track 6 : Phredrick_271, Jada_265, Forrest_264, Emma1919_266
- Track 7 : Kenrey_271
- Track 8 : SparkleGoddess_265
- Track 9 : Sham_256
- Track 10 : Beleetus_194
- Track 11 : LuckySocke_195, Fudan_194
- Track 12 : Talos_199
- Track 13 : Alone3_199

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

The start number called the most often in the published annotations is 14, it was called in 9 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DeluluLabubu_267, Emma1919_266, Forrest_264, Francob_268, Gilson_265, Jada_265, Kenrey_271, Maupel_271, MeganTheeKilla_267, Phredrick_271,

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

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

- Alone3_199, Beleetus_194, Belfort_267, Comrade_262, Fudan_194, Karp_267, LuckySocke_195, Moab_265, Patelgo_268, Sham_256, SparkleGoddess_265, Stigma_264, Talos_199, TunaTartare_261, Westy_268,

Summary by start number:

Start 10:

- Found in 2 of 25 (8.0%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Sham_256 (BK1),

Start 13:

- Found in 6 of 25 (24.0%) of genes in pham
- Manual Annotations of this start: 5 of 23
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Belfort_267 (BK1), Comrade_262 (BK1), Karp_267 (BK1), Stigma_264 (BK1), Westy_268 (BK1),

Start 14:

- Found in 10 of 25 (40.0%) of genes in pham
- Manual Annotations of this start: 9 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DeluluLabubu_267 (BK1), Emma1919_266 (BK1), Forrest_264 (BK1), Francob_268 (BK1), Gilson_265 (BK1), Jada_265 (BK1), Kenrey_271 (BK1), Maupel_271 (BK1), MeganTheeKilla_267 (BK1), Phredrick_271 (BK1),

Start 15:

- Found in 9 of 25 (36.0%) of genes in pham
- Manual Annotations of this start: 7 of 23
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Alone3_199 (BS), Beleetus_194 (BS), Fudan_194 (BS), LuckySocle_195 (BS), Moab_265 (BK1), Patelgo_268 (BK1), Talos_199 (BS), TunaTartare_261 (BK1),

Start 17:

- Found in 20 of 25 (80.0%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 5.0% of time when present
- Phage (with cluster) where this start called: SparkleGoddess_265 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BS,

Info for manual annotations of cluster BK1:

- Start number 10 was manually annotated 1 time for cluster BK1.
- Start number 13 was manually annotated 5 times for cluster BK1.
- Start number 14 was manually annotated 9 times for cluster BK1.
- Start number 15 was manually annotated 3 times for cluster BK1.
- Start number 17 was manually annotated 1 time for cluster BK1.

Info for manual annotations of cluster BS:

- Start number 15 was manually annotated 4 times for cluster BS.

Gene Information:

Gene: Alone3_199 Start: 103287, Stop: 103649, Start Num: 15

Candidate Starts for Alone3_199:

(Start: 15 @103287 has 7 MA's), (18, 103314), (22, 103380), (24, 103404), (29, 103458), (32, 103482), (34, 103536), (35, 103542), (36, 103554), (37, 103563), (40, 103620),

Gene: Beleetus_194 Start: 101184, Stop: 101546, Start Num: 15

Candidate Starts for Beleetus_194:

(Start: 15 @101184 has 7 MA's), (18, 101211), (22, 101277), (24, 101301), (32, 101379), (34, 101433), (35, 101439), (40, 101517),

Gene: Belfort_267 Start: 127179, Stop: 127565, Start Num: 13

Candidate Starts for Belfort_267:

(7, 127107), (Start: 13 @127179 has 5 MA's), (16, 127188), (Start: 17 @127203 has 1 MA's), (19, 127254), (20, 127284), (23, 127293), (25, 127317), (31, 127380), (39, 127485),

Gene: Comrade_262 Start: 127318, Stop: 127704, Start Num: 13

Candidate Starts for Comrade_262:

(7, 127246), (Start: 13 @127318 has 5 MA's), (16, 127327), (Start: 17 @127342 has 1 MA's), (19, 127393), (20, 127423), (23, 127432), (25, 127456), (31, 127519), (39, 127624),

Gene: DeluluLabubu_267 Start: 126862, Stop: 127242, Start Num: 14

Candidate Starts for DeluluLabubu_267:

(11, 126835), (Start: 14 @126862 has 9 MA's), (Start: 17 @126883 has 1 MA's), (20, 126964), (30, 127057), (31, 127060), (35, 127123), (38, 127153),

Gene: Emma1919_266 Start: 126331, Stop: 126711, Start Num: 14

Candidate Starts for Emma1919_266:

(2, 126205), (11, 126304), (Start: 14 @126331 has 9 MA's), (Start: 17 @126352 has 1 MA's), (20, 126433), (30, 126526), (31, 126529), (35, 126592), (38, 126622),

Gene: Forrest_264 Start: 126768, Stop: 127148, Start Num: 14

Candidate Starts for Forrest_264:

(2, 126642), (11, 126741), (Start: 14 @126768 has 9 MA's), (Start: 17 @126789 has 1 MA's), (20, 126870), (30, 126963), (31, 126966), (35, 127029), (38, 127059),

Gene: Francob_268 Start: 127056, Stop: 127436, Start Num: 14

Candidate Starts for Francob_268:

(11, 127029), (Start: 14 @127056 has 9 MA's), (Start: 17 @127077 has 1 MA's), (20, 127158), (30, 127251), (31, 127254), (35, 127317), (38, 127347),

Gene: Fudan_194 Start: 101090, Stop: 101452, Start Num: 15

Candidate Starts for Fudan_194:

(Start: 15 @101090 has 7 MA's), (18, 101117), (22, 101183), (24, 101207), (29, 101261), (32, 101285), (34, 101339), (35, 101345), (36, 101357), (37, 101366), (40, 101423),

Gene: Gilson_265 Start: 126593, Stop: 126973, Start Num: 14

Candidate Starts for Gilson_265:

(11, 126566), (Start: 14 @126593 has 9 MA's), (Start: 17 @126614 has 1 MA's), (20, 126695), (30, 126788), (31, 126791), (35, 126854), (38, 126884),

Gene: Jada_265 Start: 126008, Stop: 126388, Start Num: 14

Candidate Starts for Jada_265:

(2, 125882), (11, 125981), (Start: 14 @126008 has 9 MA's), (Start: 17 @126029 has 1 MA's), (20, 126110), (30, 126203), (31, 126206), (35, 126269), (38, 126299),

Gene: Karp_267 Start: 128776, Stop: 129162, Start Num: 13

Candidate Starts for Karp_267:

(7, 128704), (Start: 13 @128776 has 5 MA's), (16, 128785), (Start: 17 @128800 has 1 MA's), (19, 128851), (20, 128881), (23, 128890), (25, 128914), (31, 128977), (39, 129082),

Gene: Kenrey_271 Start: 127809, Stop: 128189, Start Num: 14

Candidate Starts for Kenrey_271:

(Start: 14 @127809 has 9 MA's), (Start: 17 @127830 has 1 MA's), (20, 127911), (30, 128004), (31, 128007), (35, 128070), (38, 128100),

Gene: LuckySocke_195 Start: 101031, Stop: 101393, Start Num: 15

Candidate Starts for LuckySocke_195:

(Start: 15 @101031 has 7 MA's), (18, 101058), (22, 101124), (24, 101148), (29, 101202), (32, 101226), (34, 101280), (35, 101286), (36, 101298), (37, 101307), (40, 101364),

Gene: Maupel_271 Start: 125786, Stop: 126166, Start Num: 14

Candidate Starts for Maupel_271:

(11, 125759), (Start: 14 @125786 has 9 MA's), (Start: 17 @125807 has 1 MA's), (20, 125888), (30, 125981), (31, 125984), (35, 126047), (38, 126077),

Gene: MeganTheeKilla_267 Start: 126407, Stop: 126787, Start Num: 14

Candidate Starts for MeganTheeKilla_267:

(5, 126299), (11, 126380), (Start: 14 @126407 has 9 MA's), (Start: 17 @126428 has 1 MA's), (20, 126509), (30, 126602), (31, 126605), (35, 126668), (38, 126698),

Gene: Moab_265 Start: 127438, Stop: 127803, Start Num: 15

Candidate Starts for Moab_265:

(Start: 15 @127438 has 7 MA's), (Start: 17 @127456 has 1 MA's), (20, 127537), (24, 127567), (27, 127600), (31, 127633), (35, 127696), (38, 127726),

Gene: Patelgo_268 Start: 128371, Stop: 128736, Start Num: 15

Candidate Starts for Patelgo_268:

(Start: 15 @128371 has 7 MA's), (Start: 17 @128389 has 1 MA's), (20, 128470), (24, 128500), (27, 128533), (31, 128566), (35, 128629), (38, 128659),

Gene: Phredrick_271 Start: 127129, Stop: 127509, Start Num: 14

Candidate Starts for Phredrick_271:

(2, 127003), (11, 127102), (Start: 14 @127129 has 9 MA's), (Start: 17 @127150 has 1 MA's), (20, 127231), (30, 127324), (31, 127327), (35, 127390), (38, 127420),

Gene: Sham_256 Start: 127487, Stop: 127888, Start Num: 10

Candidate Starts for Sham_256:

(1, 127382), (3, 127397), (4, 127403), (6, 127421), (8, 127460), (Start: 10 @127487 has 1 MA's), (12, 127493), (Start: 15 @127529 has 7 MA's), (Start: 17 @127547 has 1 MA's), (20, 127631), (26, 127673), (28, 127703), (33, 127775),

Gene: SparkleGoddess_265 Start: 128069, Stop: 128431, Start Num: 17

Candidate Starts for SparkleGoddess_265:

(7, 127973), (Start: 13 @128045 has 5 MA's), (16, 128054), (Start: 17 @128069 has 1 MA's), (19, 128120), (20, 128150), (23, 128159), (25, 128183), (31, 128246), (39, 128351),

Gene: Stigma_264 Start: 127758, Stop: 128144, Start Num: 13

Candidate Starts for Stigma_264:

(7, 127686), (Start: 13 @127758 has 5 MA's), (16, 127767), (Start: 17 @127782 has 1 MA's), (19, 127833), (20, 127863), (23, 127872), (25, 127896), (31, 127959), (39, 128064),

Gene: Talos_199 Start: 101808, Stop: 102164, Start Num: 15

Candidate Starts for Talos_199:

(9, 101748), (Start: 15 @101808 has 7 MA's), (18, 101835), (21, 101898), (22, 101901), (30, 101988), (32, 102003), (37, 102078), (40, 102135),

Gene: TunaTartare_261 Start: 128151, Stop: 128513, Start Num: 15

Candidate Starts for TunaTartare_261:

(6, 128043), (8, 128082), (Start: 10 @128109 has 1 MA's), (12, 128115), (Start: 15 @128151 has 7 MA's), (Start: 17 @128172 has 1 MA's), (20, 128256), (26, 128298), (28, 128328), (39, 128457),

Gene: Westy_268 Start: 128582, Stop: 128968, Start Num: 13

Candidate Starts for Westy_268:

(7, 128510), (Start: 13 @128582 has 5 MA's), (16, 128591), (Start: 17 @128606 has 1 MA's), (19, 128657), (20, 128687), (23, 128696), (25, 128720), (31, 128783), (39, 128888),