



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 293109 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293109 has 24 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Forrest_104, MeganTheeKilla_99, Maupel_101, Phredrick_100, DeluluLabubu_100, Gilson_101, Jada_101, Emma1919_102
- Track 2 : Blueeyedbeauty_96, Annadreamy_94, Limpid_93
- Track 3 : Moab_100, Patelgo_99, Comrade_98, Westy_103, Stigma_98, SparkleGoddess_99, Belfort_101, Karp_97
- Track 4 : Francob_99, Kenrey_102
- Track 5 : SeresaTree_98, Faust_98
- Track 6 : Beuffert_94

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 17 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_101, Comrade_98, DeluluLabubu_100, Emma1919_102, Forrest_104, Francob_99, Gilson_101, Jada_101, Karp_97, Kenrey_102, Maupel_101, MeganTheeKilla_99, Moab_100, Patelgo_99, Phredrick_100, SparkleGoddess_99, Stigma_98, Westy_103,

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:

- Annadreamy_94, Beuffert_94, Blueeyedbeauty_96, Faust_98, Limpid_93, SeresaTree_98,

Summary by start number:

Start 1:

- Found in 2 of 24 (8.3%) 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: Faust_98 (BK1), SeresaTree_98 (BK1),

Start 2:

- Found in 4 of 24 (16.7%) 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: Annadreamy_94 (BK1), Beuffert_94 (BK1), Blueeyedbeauty_96 (BK1), Limpid_93 (BK1),

Start 3:

- Found in 18 of 24 (75.0%) of genes in pham
- Manual Annotations of this start: 17 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_101 (BK1), Comrade_98 (BK1), DeluluLabubu_100 (BK1), Emma1919_102 (BK1), Forrest_104 (BK1), Francob_99 (BK1), Gilson_101 (BK1), Jada_101 (BK1), Karp_97 (BK1), Kenrey_102 (BK1), Maupel_101 (BK1), MeganTheeKilla_99 (BK1), Moab_100 (BK1), Patelgo_99 (BK1), Phredrick_100 (BK1), SparkleGoddess_99 (BK1), Stigma_98 (BK1), Westy_103 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 1 was manually annotated 1 time for cluster BK1.
- Start number 2 was manually annotated 4 times for cluster BK1.
- Start number 3 was manually annotated 17 times for cluster BK1.

Gene Information:

Gene: Annadreamy_94 Start: 66362, Stop: 66547, Start Num: 2

Candidate Starts for Annadreamy_94:

(Start: 2 @66362 has 4 MA's), (5, 66434),

Gene: Belfort_101 Start: 68605, Stop: 68790, Start Num: 3

Candidate Starts for Belfort_101:

(Start: 3 @68605 has 17 MA's), (5, 68677),

Gene: Beuffert_94 Start: 66921, Stop: 67106, Start Num: 2

Candidate Starts for Beuffert_94:

(Start: 2 @66921 has 4 MA's),

Gene: Blueeyedbeauty_96 Start: 66320, Stop: 66505, Start Num: 2

Candidate Starts for Blueeyedbeauty_96:

(Start: 2 @66320 has 4 MA's), (5, 66392),

Gene: Comrade_98 Start: 67922, Stop: 68107, Start Num: 3

Candidate Starts for Comrade_98:

(Start: 3 @67922 has 17 MA's), (5, 67994),

Gene: DeluluLabubu_100 Start: 66761, Stop: 66946, Start Num: 3

Candidate Starts for DeluluLabubu_100:
(Start: 3 @66761 has 17 MA's),

Gene: Emma1919_102 Start: 67382, Stop: 67567, Start Num: 3
Candidate Starts for Emma1919_102:
(Start: 3 @67382 has 17 MA's),

Gene: Faust_98 Start: 68011, Stop: 68205, Start Num: 1
Candidate Starts for Faust_98:
(Start: 1 @68011 has 1 MA's), (4, 68071), (5, 68098),

Gene: Forrest_104 Start: 69125, Stop: 69310, Start Num: 3
Candidate Starts for Forrest_104:
(Start: 3 @69125 has 17 MA's),

Gene: Francob_99 Start: 67565, Stop: 67750, Start Num: 3
Candidate Starts for Francob_99:
(Start: 3 @67565 has 17 MA's), (5, 67637),

Gene: Gilson_101 Start: 67344, Stop: 67529, Start Num: 3
Candidate Starts for Gilson_101:
(Start: 3 @67344 has 17 MA's),

Gene: Jada_101 Start: 67857, Stop: 68042, Start Num: 3
Candidate Starts for Jada_101:
(Start: 3 @67857 has 17 MA's),

Gene: Karp_97 Start: 67879, Stop: 68064, Start Num: 3
Candidate Starts for Karp_97:
(Start: 3 @67879 has 17 MA's), (5, 67951),

Gene: Kenrey_102 Start: 67572, Stop: 67757, Start Num: 3
Candidate Starts for Kenrey_102:
(Start: 3 @67572 has 17 MA's), (5, 67644),

Gene: Limpid_93 Start: 66361, Stop: 66546, Start Num: 2
Candidate Starts for Limpid_93:
(Start: 2 @66361 has 4 MA's), (5, 66433),

Gene: Maupel_101 Start: 67344, Stop: 67529, Start Num: 3
Candidate Starts for Maupel_101:
(Start: 3 @67344 has 17 MA's),

Gene: MeganTheeKilla_99 Start: 66705, Stop: 66854, Start Num: 3
Candidate Starts for MeganTheeKilla_99:
(Start: 3 @66705 has 17 MA's),

Gene: Moab_100 Start: 69731, Stop: 69916, Start Num: 3
Candidate Starts for Moab_100:
(Start: 3 @69731 has 17 MA's), (5, 69803),

Gene: Patelgo_99 Start: 68817, Stop: 69002, Start Num: 3
Candidate Starts for Patelgo_99:

(Start: 3 @68817 has 17 MA's), (5, 68889),

Gene: Phredrick_100 Start: 66672, Stop: 66857, Start Num: 3

Candidate Starts for Phredrick_100:

(Start: 3 @66672 has 17 MA's),

Gene: SeresaTree_98 Start: 67393, Stop: 67587, Start Num: 1

Candidate Starts for SeresaTree_98:

(Start: 1 @67393 has 1 MA's), (4, 67453), (5, 67480),

Gene: SparkleGoddess_99 Start: 68222, Stop: 68407, Start Num: 3

Candidate Starts for SparkleGoddess_99:

(Start: 3 @68222 has 17 MA's), (5, 68294),

Gene: Stigma_98 Start: 68230, Stop: 68415, Start Num: 3

Candidate Starts for Stigma_98:

(Start: 3 @68230 has 17 MA's), (5, 68302),

Gene: Westy_103 Start: 69242, Stop: 69427, Start Num: 3

Candidate Starts for Westy_103:

(Start: 3 @69242 has 17 MA's), (5, 69314),