



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 216498 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216498 has 24 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Emma1919_5, Kenrey_5, MeganTheeKilla_5, Jada_5, Gilson_5, Forrest_5, Phredrick_5
- Track 2 : Moab_4, Patelgo_5
- Track 3 : Beuffert_5
- Track 4 : Faust_4, SeresaTree_5
- Track 5 : Francob_4
- Track 6 : Blueeyedbeauty_5
- Track 7 : SparkleGoddess_5, Comrade_5, Stigma_5, Karp_5, Belfort_5, Westy_5
- Track 8 : TunaTartare_5
- Track 9 : Sham_5
- Track 10 : Annadreamy_5, Limpid_5

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

Genes that call this "Most Annotated" start:

- Belfort_5, Comrade_5, Emma1919_5, Forrest_5, Francob_4, Gilson_5, Jada_5, Karp_5, Kenrey_5, MeganTheeKilla_5, Phredrick_5, SparkleGoddess_5, Stigma_5, Westy_5,

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_5, Beuffert_5, Blueeyedbeauty_5, Faust_4, Limpid_5, Moab_4, Patelgo_5, SeresaTree_5, Sham_5, TunaTartare_5,

Summary by start number:

Start 1:

- Found in 17 of 24 (70.8%) of genes in pham
- Manual Annotations of this start: 3 of 22

- Called 17.6% of time when present
- Phage (with cluster) where this start called: Annadreamy_5 (BK1), Blueeyedbeauty_5 (BK1), Limpid_5 (BK1),

Start 2:

- Found in 7 of 24 (29.2%) 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: Beuffert_5 (BK1), Faust_4 (BK1), Moab_4 (BK1), Patelgo_5 (BK1), SeresaTree_5 (BK1), Sham_5 (BK1), TunaTartare_5 (BK1),

Start 3:

- Found in 14 of 24 (58.3%) of genes in pham
- Manual Annotations of this start: 13 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_5 (BK1), Comrade_5 (BK1), Emma1919_5 (BK1), Forrest_5 (BK1), Francob_4 (BK1), Gilson_5 (BK1), Jada_5 (BK1), Karp_5 (BK1), Kenrey_5 (BK1), MeganTheeKilla_5 (BK1), Phredrick_5 (BK1), SparkleGoddess_5 (BK1), Stigma_5 (BK1), Westy_5 (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 3 times for cluster BK1.
- Start number 2 was manually annotated 6 times for cluster BK1.
- Start number 3 was manually annotated 13 times for cluster BK1.

Gene Information:

Gene: Annadreamy_5 Start: 1489, Stop: 1325, Start Num: 1

Candidate Starts for Annadreamy_5:

(Start: 1 @1489 has 3 MA's), (4, 1465),

Gene: Belfort_5 Start: 1434, Stop: 1276, Start Num: 3

Candidate Starts for Belfort_5:

(Start: 1 @1440 has 3 MA's), (Start: 3 @1434 has 13 MA's), (8, 1329),

Gene: Beuffert_5 Start: 1561, Stop: 1400, Start Num: 2

Candidate Starts for Beuffert_5:

(Start: 2 @1561 has 6 MA's), (8, 1453),

Gene: Blueeyedbeauty_5 Start: 1489, Stop: 1325, Start Num: 1

Candidate Starts for Blueeyedbeauty_5:

(Start: 1 @1489 has 3 MA's), (4, 1465), (7, 1384),

Gene: Comrade_5 Start: 1435, Stop: 1277, Start Num: 3

Candidate Starts for Comrade_5:

(Start: 1 @1441 has 3 MA's), (Start: 3 @1435 has 13 MA's), (8, 1330),

Gene: Emma1919_5 Start: 1445, Stop: 1287, Start Num: 3

Candidate Starts for Emma1919_5:

(Start: 1 @1451 has 3 MA's), (Start: 3 @1445 has 13 MA's), (5, 1424), (8, 1340),

Gene: Faust_4 Start: 1584, Stop: 1417, Start Num: 2

Candidate Starts for Faust_4:

(Start: 2 @1584 has 6 MA's), (6, 1536),

Gene: Forrest_5 Start: 1442, Stop: 1284, Start Num: 3

Candidate Starts for Forrest_5:

(Start: 1 @1448 has 3 MA's), (Start: 3 @1442 has 13 MA's), (5, 1421), (8, 1337),

Gene: Francob_4 Start: 1444, Stop: 1286, Start Num: 3

Candidate Starts for Francob_4:

(Start: 1 @1450 has 3 MA's), (Start: 3 @1444 has 13 MA's), (5, 1423), (7, 1345), (8, 1339),

Gene: Gilson_5 Start: 1442, Stop: 1284, Start Num: 3

Candidate Starts for Gilson_5:

(Start: 1 @1448 has 3 MA's), (Start: 3 @1442 has 13 MA's), (5, 1421), (8, 1337),

Gene: Jada_5 Start: 1442, Stop: 1284, Start Num: 3

Candidate Starts for Jada_5:

(Start: 1 @1448 has 3 MA's), (Start: 3 @1442 has 13 MA's), (5, 1421), (8, 1337),

Gene: Karp_5 Start: 1435, Stop: 1277, Start Num: 3

Candidate Starts for Karp_5:

(Start: 1 @1441 has 3 MA's), (Start: 3 @1435 has 13 MA's), (8, 1330),

Gene: Kenrey_5 Start: 1431, Stop: 1273, Start Num: 3

Candidate Starts for Kenrey_5:

(Start: 1 @1437 has 3 MA's), (Start: 3 @1431 has 13 MA's), (5, 1410), (8, 1326),

Gene: Limpid_5 Start: 1488, Stop: 1324, Start Num: 1

Candidate Starts for Limpid_5:

(Start: 1 @1488 has 3 MA's), (4, 1464),

Gene: MeganTheeKilla_5 Start: 1442, Stop: 1284, Start Num: 3

Candidate Starts for MeganTheeKilla_5:

(Start: 1 @1448 has 3 MA's), (Start: 3 @1442 has 13 MA's), (5, 1421), (8, 1337),

Gene: Moab_4 Start: 1395, Stop: 1234, Start Num: 2

Candidate Starts for Moab_4:

(Start: 2 @1395 has 6 MA's), (7, 1293),

Gene: Patelgo_5 Start: 1395, Stop: 1234, Start Num: 2

Candidate Starts for Patelgo_5:

(Start: 2 @1395 has 6 MA's), (7, 1293),

Gene: Phredrick_5 Start: 1442, Stop: 1284, Start Num: 3

Candidate Starts for Phredrick_5:

(Start: 1 @1448 has 3 MA's), (Start: 3 @1442 has 13 MA's), (5, 1421), (8, 1337),

Gene: SeresaTree_5 Start: 1584, Stop: 1417, Start Num: 2

Candidate Starts for SeresaTree_5:

(Start: 2 @1584 has 6 MA's), (6, 1536),

Gene: Sham_5 Start: 1577, Stop: 1416, Start Num: 2

Candidate Starts for Sham_5:

(Start: 2 @1577 has 6 MA's),

Gene: SparkleGoddess_5 Start: 1431, Stop: 1273, Start Num: 3

Candidate Starts for SparkleGoddess_5:

(Start: 1 @1437 has 3 MA's), (Start: 3 @1431 has 13 MA's), (8, 1326),

Gene: Stigma_5 Start: 1435, Stop: 1277, Start Num: 3

Candidate Starts for Stigma_5:

(Start: 1 @1441 has 3 MA's), (Start: 3 @1435 has 13 MA's), (8, 1330),

Gene: TunaTartare_5 Start: 1565, Stop: 1398, Start Num: 2

Candidate Starts for TunaTartare_5:

(Start: 2 @1565 has 6 MA's), (9, 1406),

Gene: Westy_5 Start: 1435, Stop: 1277, Start Num: 3

Candidate Starts for Westy_5:

(Start: 1 @1441 has 3 MA's), (Start: 3 @1435 has 13 MA's), (8, 1330),