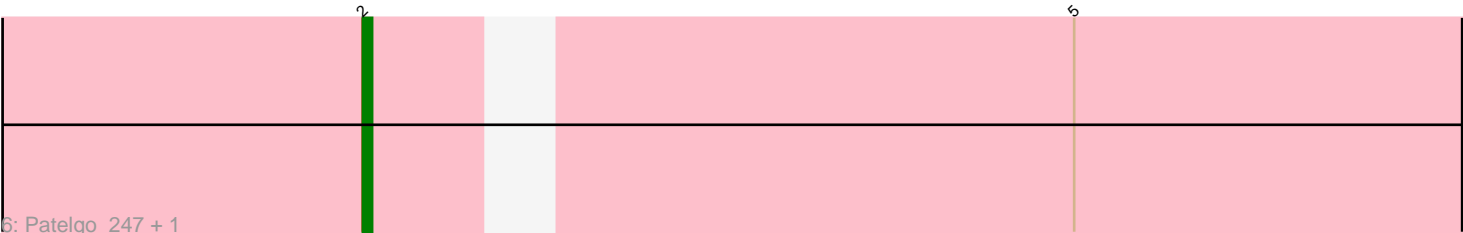
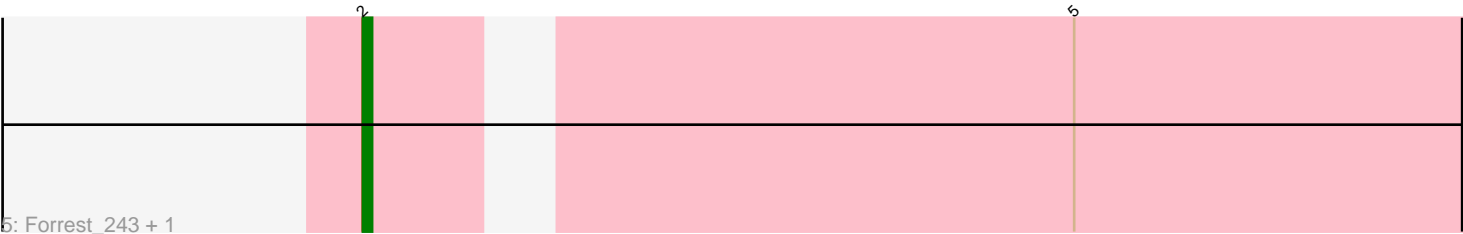
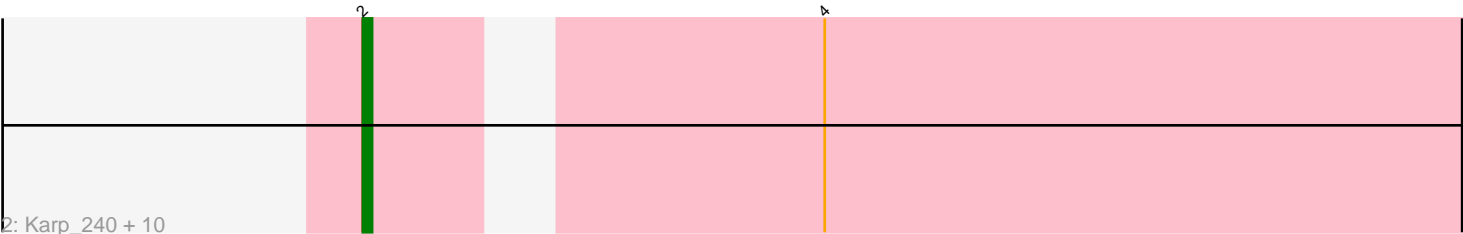


Pham 3916



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 3916 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3916 has 23 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Sham_231, TunaTartare_238
- Track 2 : Karp_240, Phredrick_249, Belfort_241, Gilson_244, Emma1919_245, MeganTheeKilla_247, SparkleGoddess_242, Comrade_237, Francob_248, Kenrey_250, Stigma_240
- Track 3 : Beuffert_236
- Track 4 : Faust_242, Limpid_234, Blueeyedbeauty_239, SeresaTree_246, Annadreamy_227
- Track 5 : Forrest_243, Jada_242
- Track 6 : Patelgo_247, Moab_247

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

The start number called the most often in the published annotations is 2, it was called in 15 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_241, Comrade_237, Emma1919_245, Forrest_243, Francob_248, Gilson_244, Jada_242, Karp_240, Kenrey_250, MeganTheeKilla_247, Moab_247, Patelgo_247, Phredrick_249, SparkleGoddess_242, Stigma_240,

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

-

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

- Annadreamy_227, Beuffert_236, Blueeyedbeauty_239, Faust_242, Limpid_234, SeresaTree_246, Sham_231, TunaTartare_238,

Summary by start number:

Start 1:

- Found in 6 of 23 (26.1%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Beuffert_236 (BK1),

Start 2:

- Found in 15 of 23 (65.2%) of genes in pham
- Manual Annotations of this start: 15 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_241 (BK1), Comrade_237 (BK1), Emma1919_245 (BK1), Forrest_243 (BK1), Francob_248 (BK1), Gilson_244 (BK1), Jada_242 (BK1), Karp_240 (BK1), Kenrey_250 (BK1), MeganTheeKilla_247 (BK1), Moab_247 (BK1), Patelgo_247 (BK1), Phredrick_249 (BK1), SparkleGoddess_242 (BK1), Stigma_240 (BK1),

Start 3:

- Found in 8 of 23 (34.8%) of genes in pham
- Manual Annotations of this start: 6 of 22
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Annadreamy_227 (BK1), Blueeyedbeauty_239 (BK1), Faust_242 (BK1), Limpid_234 (BK1), SeresaTree_246 (BK1), Sham_231 (BK1), TunaTartare_238 (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 15 times for cluster BK1.
- Start number 3 was manually annotated 6 times for cluster BK1.

Gene Information:

Gene: Annadreamy_227 Start: 111347, Stop: 111535, Start Num: 3

Candidate Starts for Annadreamy_227:

(Start: 1 @111335 has 1 MA's), (Start: 3 @111347 has 6 MA's),

Gene: Belfort_241 Start: 116514, Stop: 116705, Start Num: 2

Candidate Starts for Belfort_241:

(Start: 2 @116514 has 15 MA's), (4, 116556),

Gene: Beuffert_236 Start: 115573, Stop: 115773, Start Num: 1

Candidate Starts for Beuffert_236:

(Start: 1 @115573 has 1 MA's), (Start: 3 @115585 has 6 MA's), (6, 115666),

Gene: Blueeyedbeauty_239 Start: 115663, Stop: 115851, Start Num: 3

Candidate Starts for Blueeyedbeauty_239:

(Start: 1 @115651 has 1 MA's), (Start: 3 @115663 has 6 MA's),

Gene: Comrade_237 Start: 116800, Stop: 116991, Start Num: 2

Candidate Starts for Comrade_237:

(Start: 2 @116800 has 15 MA's), (4, 116842),

Gene: Emma1919_245 Start: 115752, Stop: 115943, Start Num: 2

Candidate Starts for Emma1919_245:
(Start: 2 @115752 has 15 MA's), (4, 115794),

Gene: Faust_242 Start: 117639, Stop: 117827, Start Num: 3
Candidate Starts for Faust_242:
(Start: 1 @117627 has 1 MA's), (Start: 3 @117639 has 6 MA's),

Gene: Forrest_243 Start: 116510, Stop: 116701, Start Num: 2
Candidate Starts for Forrest_243:
(Start: 2 @116510 has 15 MA's), (5, 116579),

Gene: Francob_248 Start: 117127, Stop: 117318, Start Num: 2
Candidate Starts for Francob_248:
(Start: 2 @117127 has 15 MA's), (4, 117169),

Gene: Gilson_244 Start: 116392, Stop: 116583, Start Num: 2
Candidate Starts for Gilson_244:
(Start: 2 @116392 has 15 MA's), (4, 116434),

Gene: Jada_242 Start: 115750, Stop: 115941, Start Num: 2
Candidate Starts for Jada_242:
(Start: 2 @115750 has 15 MA's), (5, 115819),

Gene: Karp_240 Start: 118112, Stop: 118303, Start Num: 2
Candidate Starts for Karp_240:
(Start: 2 @118112 has 15 MA's), (4, 118154),

Gene: Kenrey_250 Start: 117339, Stop: 117530, Start Num: 2
Candidate Starts for Kenrey_250:
(Start: 2 @117339 has 15 MA's), (4, 117381),

Gene: Limpid_234 Start: 116660, Stop: 116848, Start Num: 3
Candidate Starts for Limpid_234:
(Start: 1 @116648 has 1 MA's), (Start: 3 @116660 has 6 MA's),

Gene: MeganTheeKilla_247 Start: 116298, Stop: 116489, Start Num: 2
Candidate Starts for MeganTheeKilla_247:
(Start: 2 @116298 has 15 MA's), (4, 116340),

Gene: Moab_247 Start: 118571, Stop: 118762, Start Num: 2
Candidate Starts for Moab_247:
(Start: 2 @118571 has 15 MA's), (5, 118640),

Gene: Patelgo_247 Start: 118997, Stop: 119188, Start Num: 2
Candidate Starts for Patelgo_247:
(Start: 2 @118997 has 15 MA's), (5, 119066),

Gene: Phredrick_249 Start: 116174, Stop: 116365, Start Num: 2
Candidate Starts for Phredrick_249:
(Start: 2 @116174 has 15 MA's), (4, 116216),

Gene: SeresaTree_246 Start: 117864, Stop: 118052, Start Num: 3
Candidate Starts for SeresaTree_246:

(Start: 1 @117852 has 1 MA's), (Start: 3 @117864 has 6 MA's),

Gene: Sham_231 Start: 117206, Stop: 117388, Start Num: 3

Candidate Starts for Sham_231:

(Start: 3 @117206 has 6 MA's), (6, 117293),

Gene: SparkleGoddess_242 Start: 117386, Stop: 117577, Start Num: 2

Candidate Starts for SparkleGoddess_242:

(Start: 2 @117386 has 15 MA's), (4, 117428),

Gene: Stigma_240 Start: 117348, Stop: 117539, Start Num: 2

Candidate Starts for Stigma_240:

(Start: 2 @117348 has 15 MA's), (4, 117390),

Gene: TunaTartare_238 Start: 119035, Stop: 119217, Start Num: 3

Candidate Starts for TunaTartare_238:

(Start: 3 @119035 has 6 MA's), (6, 119122),