



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 86676 Report

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

Pham number 86676 has 22 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Stigma_220, Jada_223, Belfort_221, MeganTheeKilla_226, Comrade_218, Karp_217, Emma1919_224, Forrest_224, SparkleGoddess_221
- Track 2 : Phredrick_226, Kenrey_227
- Track 3 : Patelgo_224, Moab_223
- Track 4 : Faust_218, SeresaTree_222
- Track 5 : Francob_226
- Track 6 : TunaTartare_221, Sham_213
- Track 7 : Muntaha_241, Wakanda_237, Circinus_226
- Track 8 : BillNye_226

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 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_221, Circinus_226, Comrade_218, Emma1919_224, Faust_218, Forrest_224, Francob_226, Jada_223, Karp_217, Kenrey_227, MeganTheeKilla_226, Moab_223, Muntaha_241, Patelgo_224, Phredrick_226, SeresaTree_222, Sham_213, SparkleGoddess_221, Stigma_220, TunaTartare_221, Wakanda_237,

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

-

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

- BillNye_226,

Summary by start number:

Start 2:

- Found in 21 of 22 (95.5%) of genes in pham
- Manual Annotations of this start: 20 of 21
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Belfort_221 (BK1), Circinus_226 (BK2), Comrade_218 (BK1), Emma1919_224 (BK1), Faust_218 (BK1), Forrest_224 (BK1), Francob_226 (BK1), Jada_223 (BK1), Karp_217 (BK1), Kenrey_227 (BK1), MeganTheeKilla_226 (BK1), Moab_223 (BK1), Muntaha_241 (BK2), Patelgo_224 (BK1), Phredrick_226 (BK1), SeresaTree_222 (BK1), Sham_213 (BK1), SparkleGoddess_221 (BK1), Stigma_220 (BK1), TunaTartare_221 (BK1), Wakanda_237 (BK2),

Start 3:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BillNye_226 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 17 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 2 was manually annotated 3 times for cluster BK2.
- Start number 3 was manually annotated 1 time for cluster BK2.

Gene Information:

Gene: Belfort_221 Start: 109766, Stop: 109870, Start Num: 2

Candidate Starts for Belfort_221:

(Start: 2 @109766 has 20 MA's),

Gene: BillNye_226 Start: 115980, Stop: 116084, Start Num: 3

Candidate Starts for BillNye_226:

(1, 115974), (Start: 3 @115980 has 1 MA's), (7, 116049),

Gene: Circinus_226 Start: 115568, Stop: 115672, Start Num: 2

Candidate Starts for Circinus_226:

(Start: 2 @115568 has 20 MA's), (7, 115637),

Gene: Comrade_218 Start: 109965, Stop: 110069, Start Num: 2

Candidate Starts for Comrade_218:

(Start: 2 @109965 has 20 MA's),

Gene: Emma1919_224 Start: 108541, Stop: 108645, Start Num: 2

Candidate Starts for Emma1919_224:

(Start: 2 @108541 has 20 MA's),

Gene: Faust_218 Start: 110568, Stop: 110681, Start Num: 2

Candidate Starts for Faust_218:

(Start: 2 @110568 has 20 MA's), (7, 110637), (9, 110670),

Gene: Forrest_224 Start: 109506, Stop: 109610, Start Num: 2
Candidate Starts for Forrest_224:
(Start: 2 @109506 has 20 MA's),

Gene: Francob_226 Start: 109541, Stop: 109645, Start Num: 2
Candidate Starts for Francob_226:
(Start: 2 @109541 has 20 MA's),

Gene: Jada_223 Start: 108743, Stop: 108847, Start Num: 2
Candidate Starts for Jada_223:
(Start: 2 @108743 has 20 MA's),

Gene: Karp_217 Start: 110132, Stop: 110236, Start Num: 2
Candidate Starts for Karp_217:
(Start: 2 @110132 has 20 MA's),

Gene: Kenrey_227 Start: 109308, Stop: 109412, Start Num: 2
Candidate Starts for Kenrey_227:
(Start: 2 @109308 has 20 MA's), (6, 109371),

Gene: MeganTheeKilla_226 Start: 108938, Stop: 109042, Start Num: 2
Candidate Starts for MeganTheeKilla_226:
(Start: 2 @108938 has 20 MA's),

Gene: Moab_223 Start: 111074, Stop: 111178, Start Num: 2
Candidate Starts for Moab_223:
(Start: 2 @111074 has 20 MA's), (4, 111080), (5, 111125),

Gene: Muntaha_241 Start: 116188, Stop: 116292, Start Num: 2
Candidate Starts for Muntaha_241:
(Start: 2 @116188 has 20 MA's), (7, 116257),

Gene: Patelgo_224 Start: 111504, Stop: 111608, Start Num: 2
Candidate Starts for Patelgo_224:
(Start: 2 @111504 has 20 MA's), (4, 111510), (5, 111555),

Gene: Phredrick_226 Start: 108360, Stop: 108464, Start Num: 2
Candidate Starts for Phredrick_226:
(Start: 2 @108360 has 20 MA's), (6, 108423),

Gene: SeresaTree_222 Start: 110554, Stop: 110667, Start Num: 2
Candidate Starts for SeresaTree_222:
(Start: 2 @110554 has 20 MA's), (7, 110623), (9, 110656),

Gene: Sham_213 Start: 111454, Stop: 111567, Start Num: 2
Candidate Starts for Sham_213:
(Start: 2 @111454 has 20 MA's), (8, 111526),

Gene: SparkleGoddess_221 Start: 110193, Stop: 110297, Start Num: 2
Candidate Starts for SparkleGoddess_221:
(Start: 2 @110193 has 20 MA's),

Gene: Stigma_220 Start: 110399, Stop: 110503, Start Num: 2

Candidate Starts for Stigma_220:
(Start: 2 @110399 has 20 MA's),

Gene: TunaTartare_221 Start: 113748, Stop: 113861, Start Num: 2
Candidate Starts for TunaTartare_221:
(Start: 2 @113748 has 20 MA's), (8, 113820),

Gene: Wakanda_237 Start: 115176, Stop: 115280, Start Num: 2
Candidate Starts for Wakanda_237:
(Start: 2 @115176 has 20 MA's), (7, 115245),