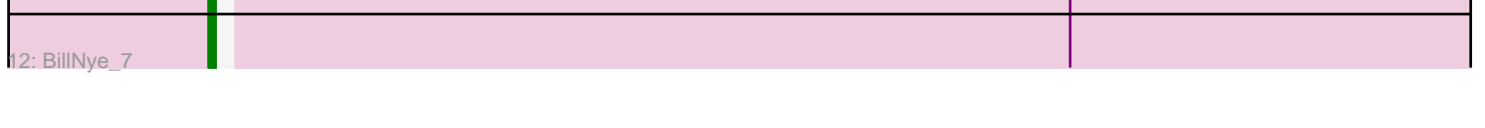
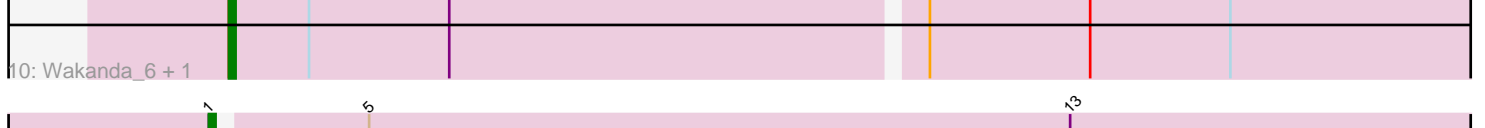
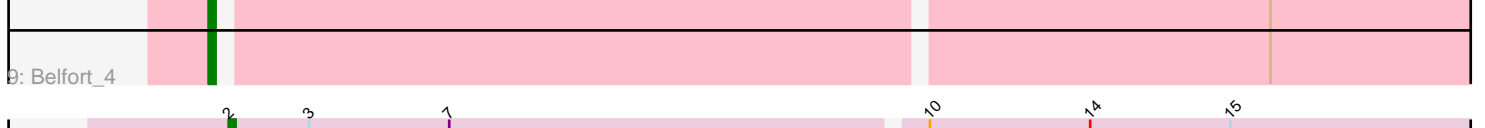
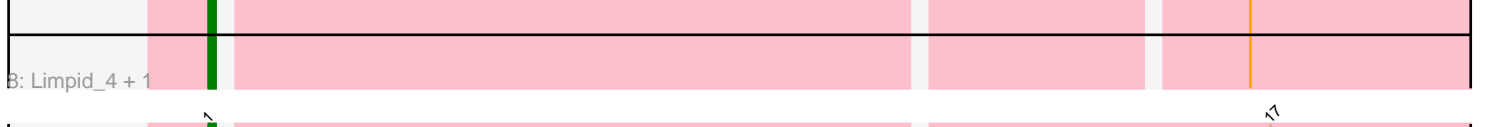
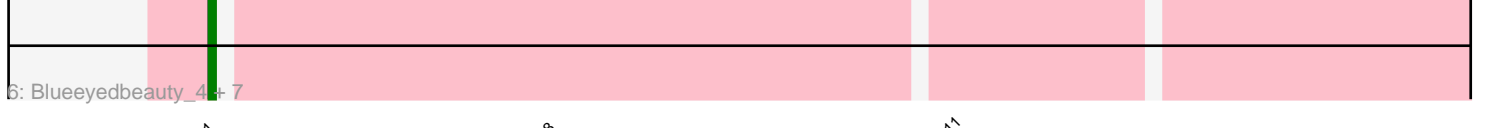
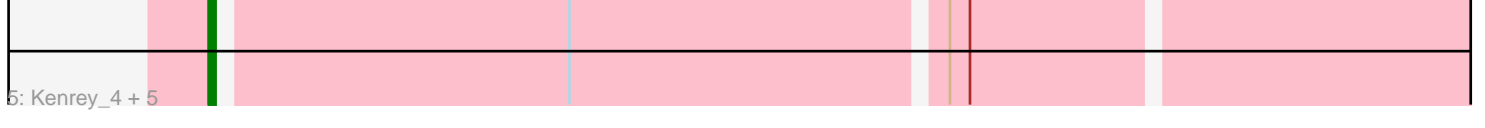
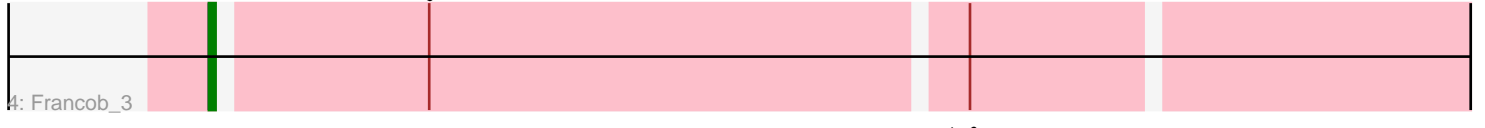
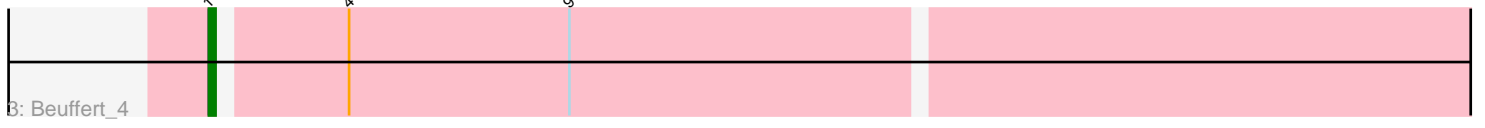
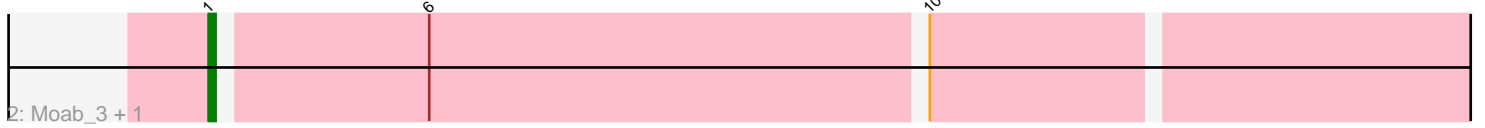


Pham 223350



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 223350 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223350 has 28 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Emma1919_4
- Track 2 : Moab_3, Patelgo_4
- Track 3 : Beuffert_4
- Track 4 : Francob_3
- Track 5 : Kenrey_4, MeganTheeKilla_4, Jada_4, Gilson_4, Forrest_4, Phredrick_4
- Track 6 : Blueeyedbeauty_4, TunaTartare_4, Comrade_4, Sham_4, Stigma_4, Karp_4, SparkleGoddess_4, Westy_4
- Track 7 : SeresaTree_4, Faust_3
- Track 8 : Limpid_4, Annadreamy_4
- Track 9 : Belfort_4
- Track 10 : Wakanda_6, Muntaha_7
- Track 11 : Circinus_8
- Track 12 : BillNye_7

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

The start number called the most often in the published annotations is 1, it was called in 24 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_4, Belfort_4, Beuffert_4, BillNye_7, Blueeyedbeauty_4, Circinus_8, Comrade_4, Emma1919_4, Faust_3, Forrest_4, Francob_3, Gilson_4, Jada_4, Karp_4, Kenrey_4, Limpid_4, MeganTheeKilla_4, Moab_3, Patelgo_4, Phredrick_4, SeresaTree_4, Sham_4, SparkleGoddess_4, Stigma_4, TunaTartare_4, Westy_4,

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

-

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

- Muntaha_7, Wakanda_6,

Summary by start number:

Start 1:

- Found in 26 of 28 (92.9%) of genes in pham
- Manual Annotations of this start: 24 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_4 (BK1), Belfort_4 (BK1), Beuffert_4 (BK1), BillNye_7 (BK2), Blueeyedbeauty_4 (BK1), Circinus_8 (BK2), Comrade_4 (BK1), Emma1919_4 (BK1), Faust_3 (BK1), Forrest_4 (BK1), Francob_3 (BK1), Gilson_4 (BK1), Jada_4 (BK1), Karp_4 (BK1), Kenrey_4 (BK1), Limpid_4 (BK1), MeganTheeKilla_4 (BK1), Moab_3 (BK1), Patelgo_4 (BK1), Phredrick_4 (BK1), SeresaTree_4 (BK1), Sham_4 (BK1), SparkleGoddess_4 (BK1), Stigma_4 (BK1), TunaTartare_4 (BK1), Westy_4 (BK1),

Start 2:

- Found in 2 of 28 (7.1%) of genes in pham
- Manual Annotations of this start: 2 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Muntaha_7 (BK2), Wakanda_6 (BK2),

Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 1 was manually annotated 22 times for cluster BK1.

Info for manual annotations of cluster BK2:

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

Gene Information:

Gene: Annadreamy_4 Start: 1315, Stop: 1127, Start Num: 1

Candidate Starts for Annadreamy_4:

(Start: 1 @1315 has 24 MA's), (16, 1168),

Gene: Belfort_4 Start: 1266, Stop: 1075, Start Num: 1

Candidate Starts for Belfort_4:

(Start: 1 @1266 has 24 MA's), (17, 1113),

Gene: Beuffert_4 Start: 1390, Stop: 1199, Start Num: 1

Candidate Starts for Beuffert_4:

(Start: 1 @1390 has 24 MA's), (4, 1372), (9, 1339),

Gene: BillNye_7 Start: 3104, Stop: 2904, Start Num: 1

Candidate Starts for BillNye_7:

(Start: 1 @3104 has 24 MA's), (13, 2978),

Gene: Blueeyedbeauty_4 Start: 1315, Stop: 1127, Start Num: 1

Candidate Starts for Blueeyedbeauty_4:

(Start: 1 @1315 has 24 MA's),

Gene: Circinus_8 Start: 2985, Stop: 2785, Start Num: 1

Candidate Starts for Circinus_8:
(Start: 1 @2985 has 24 MA's), (5, 2964), (13, 2859),

Gene: Comrade_4 Start: 1267, Stop: 1076, Start Num: 1
Candidate Starts for Comrade_4:
(Start: 1 @1267 has 24 MA's),

Gene: Emma1919_4 Start: 1277, Stop: 1089, Start Num: 1
Candidate Starts for Emma1919_4:
(Start: 1 @1277 has 24 MA's), (9, 1226), (11, 1172),

Gene: Faust_3 Start: 1407, Stop: 1213, Start Num: 1
Candidate Starts for Faust_3:
(Start: 1 @1407 has 24 MA's), (8, 1359), (11, 1299),

Gene: Forrest_4 Start: 1274, Stop: 1086, Start Num: 1
Candidate Starts for Forrest_4:
(Start: 1 @1274 has 24 MA's), (9, 1223), (11, 1169), (12, 1166),

Gene: Francob_3 Start: 1276, Stop: 1088, Start Num: 1
Candidate Starts for Francob_3:
(Start: 1 @1276 has 24 MA's), (6, 1246), (12, 1168),

Gene: Gilson_4 Start: 1274, Stop: 1086, Start Num: 1
Candidate Starts for Gilson_4:
(Start: 1 @1274 has 24 MA's), (9, 1223), (11, 1169), (12, 1166),

Gene: Jada_4 Start: 1274, Stop: 1086, Start Num: 1
Candidate Starts for Jada_4:
(Start: 1 @1274 has 24 MA's), (9, 1223), (11, 1169), (12, 1166),

Gene: Karp_4 Start: 1267, Stop: 1076, Start Num: 1
Candidate Starts for Karp_4:
(Start: 1 @1267 has 24 MA's),

Gene: Kenrey_4 Start: 1263, Stop: 1075, Start Num: 1
Candidate Starts for Kenrey_4:
(Start: 1 @1263 has 24 MA's), (9, 1212), (11, 1158), (12, 1155),

Gene: Limpid_4 Start: 1314, Stop: 1126, Start Num: 1
Candidate Starts for Limpid_4:
(Start: 1 @1314 has 24 MA's), (16, 1167),

Gene: MeganTheeKilla_4 Start: 1274, Stop: 1086, Start Num: 1
Candidate Starts for MeganTheeKilla_4:
(Start: 1 @1274 has 24 MA's), (9, 1223), (11, 1169), (12, 1166),

Gene: Moab_3 Start: 1225, Stop: 1037, Start Num: 1
Candidate Starts for Moab_3:
(Start: 1 @1225 has 24 MA's), (6, 1195), (10, 1123),

Gene: Muntaha_7 Start: 2648, Stop: 2454, Start Num: 2
Candidate Starts for Muntaha_7:

(Start: 2 @2648 has 2 MA's), (3, 2636), (7, 2615), (10, 2546), (14, 2522), (15, 2501),

Gene: Patelgo_4 Start: 1225, Stop: 1037, Start Num: 1

Candidate Starts for Patelgo_4:

(Start: 1 @1225 has 24 MA's), (6, 1195), (10, 1123),

Gene: Phredrick_4 Start: 1274, Stop: 1086, Start Num: 1

Candidate Starts for Phredrick_4:

(Start: 1 @1274 has 24 MA's), (9, 1223), (11, 1169), (12, 1166),

Gene: SeresaTree_4 Start: 1407, Stop: 1213, Start Num: 1

Candidate Starts for SeresaTree_4:

(Start: 1 @1407 has 24 MA's), (8, 1359), (11, 1299),

Gene: Sham_4 Start: 1406, Stop: 1215, Start Num: 1

Candidate Starts for Sham_4:

(Start: 1 @1406 has 24 MA's),

Gene: SparkleGoddess_4 Start: 1263, Stop: 1072, Start Num: 1

Candidate Starts for SparkleGoddess_4:

(Start: 1 @1263 has 24 MA's),

Gene: Stigma_4 Start: 1267, Stop: 1076, Start Num: 1

Candidate Starts for Stigma_4:

(Start: 1 @1267 has 24 MA's),

Gene: TunaTartare_4 Start: 1388, Stop: 1197, Start Num: 1

Candidate Starts for TunaTartare_4:

(Start: 1 @1388 has 24 MA's),

Gene: Wakanda_6 Start: 2547, Stop: 2353, Start Num: 2

Candidate Starts for Wakanda_6:

(Start: 2 @2547 has 2 MA's), (3, 2535), (7, 2514), (10, 2445), (14, 2421), (15, 2400),

Gene: Westy_4 Start: 1267, Stop: 1076, Start Num: 1

Candidate Starts for Westy_4:

(Start: 1 @1267 has 24 MA's),