

Pham 194273



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 194273 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194273 has 27 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Forrest\_180, Jada\_177
- Track 2 : Stigma\_172, Karp\_168, Belfort\_174, Comrade\_171, SparkleGoddess\_174
- Track 3 : Beuffert\_168, Annadreamy\_162, Limpid\_169
- Track 4 : Gilson\_178, Emma1919\_179, Kenrey\_181, Phredrick\_179
- Track 5 : Blueeyedbeauty\_170
- Track 6 : SeresaTree\_169, Faust\_167
- Track 7 : Moab\_176, Francob\_175
- Track 8 : Patelgo\_177
- Track 9 : TunaTartare\_174
- Track 10 : Sham\_167
- Track 11 : MeganTheeKilla\_178
- Track 12 : Wakanda\_143, Muntaha\_144
- Track 13 : BillNye\_136, Circinus\_137

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

The start number called the most often in the published annotations is 7, it was called in 26 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_162, Belfort\_174, Beuffert\_168, BillNye\_136, Blueeyedbeauty\_170, Circinus\_137, Comrade\_171, Emma1919\_179, Faust\_167, Forrest\_180, Francob\_175, Gilson\_178, Jada\_177, Karp\_168, Kenrey\_181, Limpid\_169, MeganTheeKilla\_178, Moab\_176, Muntaha\_144, Patelgo\_177, Phredrick\_179, SeresaTree\_169, Sham\_167, SparkleGoddess\_174, Stigma\_172, TunaTartare\_174, Wakanda\_143,

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

- 

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

- 

### **Summary by start number:**

#### Start 7:

- Found in 27 of 27 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 26 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy\_162 (BK1), Belfort\_174 (BK1), Beuffert\_168 (BK1), BillNye\_136 (BK2), Blueeyedbeauty\_170 (BK1), Circinus\_137 (BK2), Comrade\_171 (BK1), Emma1919\_179 (BK1), Faust\_167 (BK1), Forrest\_180 (BK1), Francob\_175 (BK1), Gilson\_178 (BK1), Jada\_177 (BK1), Karp\_168 (BK1), Kenrey\_181 (BK1), Limpid\_169 (BK1), MeganTheeKilla\_178 (BK1), Moab\_176 (BK1), Muntaha\_144 (BK2), Patelgo\_177 (BK1), Phredrick\_179 (BK1), SeresaTree\_169 (BK1), Sham\_167 (BK1), SparkleGoddess\_174 (BK1), Stigma\_172 (BK1), TunaTartare\_174 (BK1), Wakanda\_143 (BK2),

#### Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 7 was manually annotated 22 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 7 was manually annotated 4 times for cluster BK2.

#### **Gene Information:**

Gene: Annadreamy\_162 Start: 88448, Stop: 88705, Start Num: 7

Candidate Starts for Annadreamy\_162:

(Start: 7 @88448 has 26 MA's), (10, 88490), (12, 88517), (13, 88523), (17, 88589),

Gene: Belfort\_174 Start: 94272, Stop: 94532, Start Num: 7

Candidate Starts for Belfort\_174:

(Start: 7 @94272 has 26 MA's), (10, 94314), (11, 94338), (15, 94374), (16, 94380), (18, 94422),

Gene: Beuffert\_168 Start: 92631, Stop: 92888, Start Num: 7

Candidate Starts for Beuffert\_168:

(Start: 7 @92631 has 26 MA's), (10, 92673), (12, 92700), (13, 92706), (17, 92772),

Gene: BillNye\_136 Start: 83857, Stop: 84108, Start Num: 7

Candidate Starts for BillNye\_136:

(Start: 7 @83857 has 26 MA's), (10, 83899), (12, 83926),

Gene: Blueeyedbeauty\_170 Start: 92215, Stop: 92472, Start Num: 7

Candidate Starts for Blueeyedbeauty\_170:

(Start: 7 @92215 has 26 MA's), (10, 92257), (12, 92284), (13, 92290), (17, 92356), (18, 92365),

Gene: Circinus\_137 Start: 83825, Stop: 84076, Start Num: 7

Candidate Starts for Circinus\_137:

(Start: 7 @83825 has 26 MA's), (10, 83867), (12, 83894),

Gene: Comrade\_171 Start: 94474, Stop: 94734, Start Num: 7

Candidate Starts for Comrade\_171:

(Start: 7 @94474 has 26 MA's), (10, 94516), (11, 94540), (15, 94576), (16, 94582), (18, 94624),

Gene: Emma1919\_179 Start: 93516, Stop: 93776, Start Num: 7

Candidate Starts for Emma1919\_179:

(6, 93489), (Start: 7 @93516 has 26 MA's), (13, 93591), (15, 93618),

Gene: Faust\_167 Start: 93603, Stop: 93857, Start Num: 7

Candidate Starts for Faust\_167:

(Start: 7 @93603 has 26 MA's), (10, 93645), (15, 93705),

Gene: Forrest\_180 Start: 94951, Stop: 95211, Start Num: 7

Candidate Starts for Forrest\_180:

(Start: 7 @94951 has 26 MA's), (9, 94981), (13, 95026), (15, 95053),

Gene: Francob\_175 Start: 93507, Stop: 93767, Start Num: 7

Candidate Starts for Francob\_175:

(Start: 7 @93507 has 26 MA's), (13, 93582), (15, 93609),

Gene: Gilson\_178 Start: 93478, Stop: 93738, Start Num: 7

Candidate Starts for Gilson\_178:

(6, 93451), (Start: 7 @93478 has 26 MA's), (13, 93553), (15, 93580),

Gene: Jada\_177 Start: 93644, Stop: 93904, Start Num: 7

Candidate Starts for Jada\_177:

(Start: 7 @93644 has 26 MA's), (9, 93674), (13, 93719), (15, 93746),

Gene: Karp\_168 Start: 93698, Stop: 93958, Start Num: 7

Candidate Starts for Karp\_168:

(Start: 7 @93698 has 26 MA's), (10, 93740), (11, 93764), (15, 93800), (16, 93806), (18, 93848),

Gene: Kenrey\_181 Start: 94511, Stop: 94771, Start Num: 7

Candidate Starts for Kenrey\_181:

(6, 94484), (Start: 7 @94511 has 26 MA's), (13, 94586), (15, 94613),

Gene: Limpid\_169 Start: 93761, Stop: 94018, Start Num: 7

Candidate Starts for Limpid\_169:

(Start: 7 @93761 has 26 MA's), (10, 93803), (12, 93830), (13, 93836), (17, 93902),

Gene: MeganTheeKilla\_178 Start: 93547, Stop: 93807, Start Num: 7

Candidate Starts for MeganTheeKilla\_178:

(1, 93385), (2, 93394), (3, 93412), (4, 93448), (5, 93463), (6, 93520), (Start: 7 @93547 has 26 MA's), (13, 93622), (15, 93649),

Gene: Moab\_176 Start: 95987, Stop: 96247, Start Num: 7

Candidate Starts for Moab\_176:

(Start: 7 @95987 has 26 MA's), (13, 96062), (15, 96089),

Gene: Muntaha\_144 Start: 82806, Stop: 83057, Start Num: 7

Candidate Starts for Muntaha\_144:

(Start: 7 @82806 has 26 MA's), (10, 82848), (12, 82875), (18, 82956),

Gene: Patelgo\_177 Start: 96445, Stop: 96705, Start Num: 7

Candidate Starts for Patelgo\_177:

(Start: 7 @96445 has 26 MA's), (8, 96466), (13, 96520), (15, 96547),

Gene: Phredrick\_179 Start: 93142, Stop: 93402, Start Num: 7

Candidate Starts for Phredrick\_179:

(6, 93115), (Start: 7 @93142 has 26 MA's), (13, 93217), (15, 93244),

Gene: SeresaTree\_169 Start: 92985, Stop: 93239, Start Num: 7

Candidate Starts for SeresaTree\_169:

(Start: 7 @92985 has 26 MA's), (10, 93027), (15, 93087),

Gene: Sham\_167 Start: 94602, Stop: 94856, Start Num: 7

Candidate Starts for Sham\_167:

(Start: 7 @94602 has 26 MA's), (12, 94671), (14, 94680), (15, 94704),

Gene: SparkleGoddess\_174 Start: 94682, Stop: 94942, Start Num: 7

Candidate Starts for SparkleGoddess\_174:

(Start: 7 @94682 has 26 MA's), (10, 94724), (11, 94748), (15, 94784), (16, 94790), (18, 94832),

Gene: Stigma\_172 Start: 94919, Stop: 95179, Start Num: 7

Candidate Starts for Stigma\_172:

(Start: 7 @94919 has 26 MA's), (10, 94961), (11, 94985), (15, 95021), (16, 95027), (18, 95069),

Gene: TunaTartare\_174 Start: 96314, Stop: 96568, Start Num: 7

Candidate Starts for TunaTartare\_174:

(Start: 7 @96314 has 26 MA's), (12, 96383), (14, 96392), (15, 96416),

Gene: Wakanda\_143 Start: 82748, Stop: 82999, Start Num: 7

Candidate Starts for Wakanda\_143:

(Start: 7 @82748 has 26 MA's), (10, 82790), (12, 82817), (18, 82898),