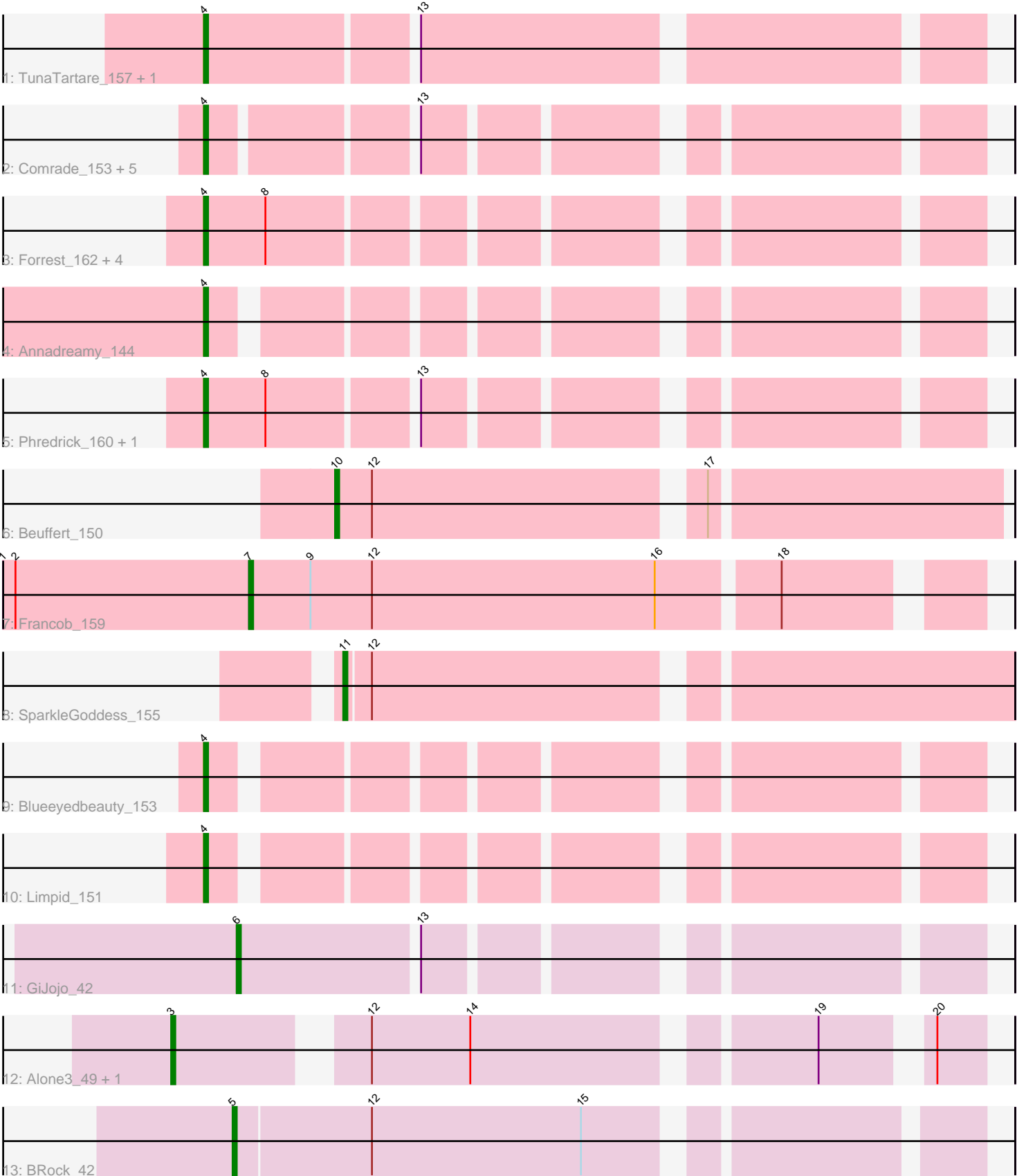


Pham 134021



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 134021 Report

This analysis was run 04/05/24 on database version 557.

Pham number 134021 has 25 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TunaTartare\_157, Sham\_152
- Track 2 : Comrade\_153, SeresaTree\_151, Belfort\_156, Faust\_150, Karp\_150, Stigma\_154
- Track 3 : Forrest\_162, Emma1919\_161, MeganTheeKilla\_158, Jada\_159, Gilson\_160
- Track 4 : Annadreamy\_144
- Track 5 : Phredrick\_160, Kenrey\_163
- Track 6 : Beuffert\_150
- Track 7 : Francob\_159
- Track 8 : SparkleGoddess\_155
- Track 9 : Blueeyedbeauty\_153
- Track 10 : Limpid\_151
- Track 11 : GiJojo\_42
- Track 12 : Alone3\_49, LuckySocke\_49
- Track 13 : BRock\_42

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

The start number called the most often in the published annotations is 4, it was called in 17 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_144, Belfort\_156, Blueeyedbeauty\_153, Comrade\_153, Emma1919\_161, Faust\_150, Forrest\_162, Gilson\_160, Jada\_159, Karp\_150, Kenrey\_163, Limpid\_151, MeganTheeKilla\_158, Phredrick\_160, SeresaTree\_151, Sham\_152, Stigma\_154, TunaTartare\_157,

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

- 

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

- Alone3\_49, BRock\_42, Beuffert\_150, Francob\_159, GiJojo\_42, LuckySocke\_49, SparkleGoddess\_155,

## Summary by start number:

### Start 3:

- Found in 2 of 25 ( 8.0% ) of genes in pham
- Manual Annotations of this start: 2 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3\_49 (BS), LuckySocke\_49 (BS),

### Start 4:

- Found in 18 of 25 ( 72.0% ) of genes in pham
- Manual Annotations of this start: 17 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy\_144 (BK1), Belfort\_156 (BK1), Blueeyedbeauty\_153 (BK1), Comrade\_153 (BK1), Emma1919\_161 (BK1), Faust\_150 (BK1), Forrest\_162 (BK1), Gilson\_160 (BK1), Jada\_159 (BK1), Karp\_150 (BK1), Kenrey\_163 (BK1), Limpid\_151 (BK1), MeganTheeKilla\_158 (BK1), Phredrick\_160 (BK1), SeresaTree\_151 (BK1), Sham\_152 (BK1), Stigma\_154 (BK1), TunaTartare\_157 (BK1),

### Start 5:

- Found in 1 of 25 ( 4.0% ) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BRock\_42 (BS),

### Start 6:

- Found in 1 of 25 ( 4.0% ) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GiJojo\_42 (BS),

### Start 7:

- Found in 1 of 25 ( 4.0% ) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Francob\_159 (BK1),

### Start 10:

- Found in 1 of 25 ( 4.0% ) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beuffert\_150 (BK1),

### Start 11:

- Found in 1 of 25 ( 4.0% ) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SparkleGoddess\_155 (BK1),

## Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 4 was manually annotated 17 times for cluster BK1.
- Start number 7 was manually annotated 1 time for cluster BK1.
- Start number 10 was manually annotated 1 time for cluster BK1.
- Start number 11 was manually annotated 1 time for cluster BK1.

Info for manual annotations of cluster BS:

- Start number 3 was manually annotated 2 times for cluster BS.
- Start number 5 was manually annotated 1 time for cluster BS.
- Start number 6 was manually annotated 1 time for cluster BS.

### ***Gene Information:***

Gene: Alone3\_49 Start: 17554, Stop: 17724, Start Num: 3

Candidate Starts for Alone3\_49:

(Start: 3 @17554 has 2 MA's), (12, 17593), (14, 17617), (19, 17692), (20, 17713),

Gene: Annadreamy\_144 Start: 80180, Stop: 80338, Start Num: 4

Candidate Starts for Annadreamy\_144:

(Start: 4 @80180 has 17 MA's),

Gene: BRock\_42 Start: 14961, Stop: 15128, Start Num: 5

Candidate Starts for BRock\_42:

(Start: 5 @14961 has 1 MA's), (12, 14994), (15, 15045),

Gene: Belfort\_156 Start: 86022, Stop: 86183, Start Num: 4

Candidate Starts for Belfort\_156:

(Start: 4 @86022 has 17 MA's), (13, 86067),

Gene: Beuffert\_150 Start: 84721, Stop: 84873, Start Num: 10

Candidate Starts for Beuffert\_150:

(Start: 10 @84721 has 1 MA's), (12, 84730), (17, 84805),

Gene: Blueeyedbeauty\_153 Start: 84605, Stop: 84763, Start Num: 4

Candidate Starts for Blueeyedbeauty\_153:

(Start: 4 @84605 has 17 MA's),

Gene: Comrade\_153 Start: 86224, Stop: 86385, Start Num: 4

Candidate Starts for Comrade\_153:

(Start: 4 @86224 has 17 MA's), (13, 86269),

Gene: Emma1919\_161 Start: 85607, Stop: 85771, Start Num: 4

Candidate Starts for Emma1919\_161:

(Start: 4 @85607 has 17 MA's), (8, 85622),

Gene: Faust\_150 Start: 85760, Stop: 85918, Start Num: 4

Candidate Starts for Faust\_150:

(Start: 4 @85760 has 17 MA's), (13, 85802),

Gene: Forrest\_162 Start: 86590, Stop: 86754, Start Num: 4

Candidate Starts for Forrest\_162:

(Start: 4 @86590 has 17 MA's), (8, 86605),

Gene: Francob\_159 Start: 86122, Stop: 86289, Start Num: 7

Candidate Starts for Francob\_159:

(1, 86062), (2, 86065), (Start: 7 @86122 has 1 MA's), (9, 86137), (12, 86152), (16, 86221), (18, 86248),

Gene: GiJojo\_42 Start: 16647, Stop: 16805, Start Num: 6

Candidate Starts for GiJojo\_42:

(Start: 6 @16647 has 1 MA's), (13, 16689),

Gene: Gilson\_160 Start: 85569, Stop: 85733, Start Num: 4

Candidate Starts for Gilson\_160:

(Start: 4 @85569 has 17 MA's), (8, 85584),

Gene: Jada\_159 Start: 85287, Stop: 85451, Start Num: 4

Candidate Starts for Jada\_159:

(Start: 4 @85287 has 17 MA's), (8, 85302),

Gene: Karp\_150 Start: 85448, Stop: 85609, Start Num: 4

Candidate Starts for Karp\_150:

(Start: 4 @85448 has 17 MA's), (13, 85493),

Gene: Kenrey\_163 Start: 86732, Stop: 86896, Start Num: 4

Candidate Starts for Kenrey\_163:

(Start: 4 @86732 has 17 MA's), (8, 86747), (13, 86780),

Gene: Limpid\_151 Start: 85487, Stop: 85645, Start Num: 4

Candidate Starts for Limpid\_151:

(Start: 4 @85487 has 17 MA's),

Gene: LuckySocke\_49 Start: 17375, Stop: 17545, Start Num: 3

Candidate Starts for LuckySocke\_49:

(Start: 3 @17375 has 2 MA's), (12, 17414), (14, 17438), (19, 17513), (20, 17534),

Gene: MeganTheeKilla\_158 Start: 85193, Stop: 85357, Start Num: 4

Candidate Starts for MeganTheeKilla\_158:

(Start: 4 @85193 has 17 MA's), (8, 85208),

Gene: Phredrick\_160 Start: 85075, Stop: 85239, Start Num: 4

Candidate Starts for Phredrick\_160:

(Start: 4 @85075 has 17 MA's), (8, 85090), (13, 85123),

Gene: SeresaTree\_151 Start: 85142, Stop: 85300, Start Num: 4

Candidate Starts for SeresaTree\_151:

(Start: 4 @85142 has 17 MA's), (13, 85184),

Gene: Sham\_152 Start: 87612, Stop: 87785, Start Num: 4

Candidate Starts for Sham\_152:

(Start: 4 @87612 has 17 MA's), (13, 87660),

Gene: SparkleGoddess\_155 Start: 86243, Stop: 86395, Start Num: 11

Candidate Starts for SparkleGoddess\_155:

(Start: 11 @86243 has 1 MA's), (12, 86249),

Gene: Stigma\_154 Start: 86669, Stop: 86830, Start Num: 4

Candidate Starts for Stigma\_154:

(Start: 4 @86669 has 17 MA's), (13, 86714),

Gene: TunaTartare\_157 Start: 88868, Stop: 89041, Start Num: 4

Candidate Starts for TunaTartare\_157:

(Start: 4 @88868 has 17 MA's), (13, 88916),