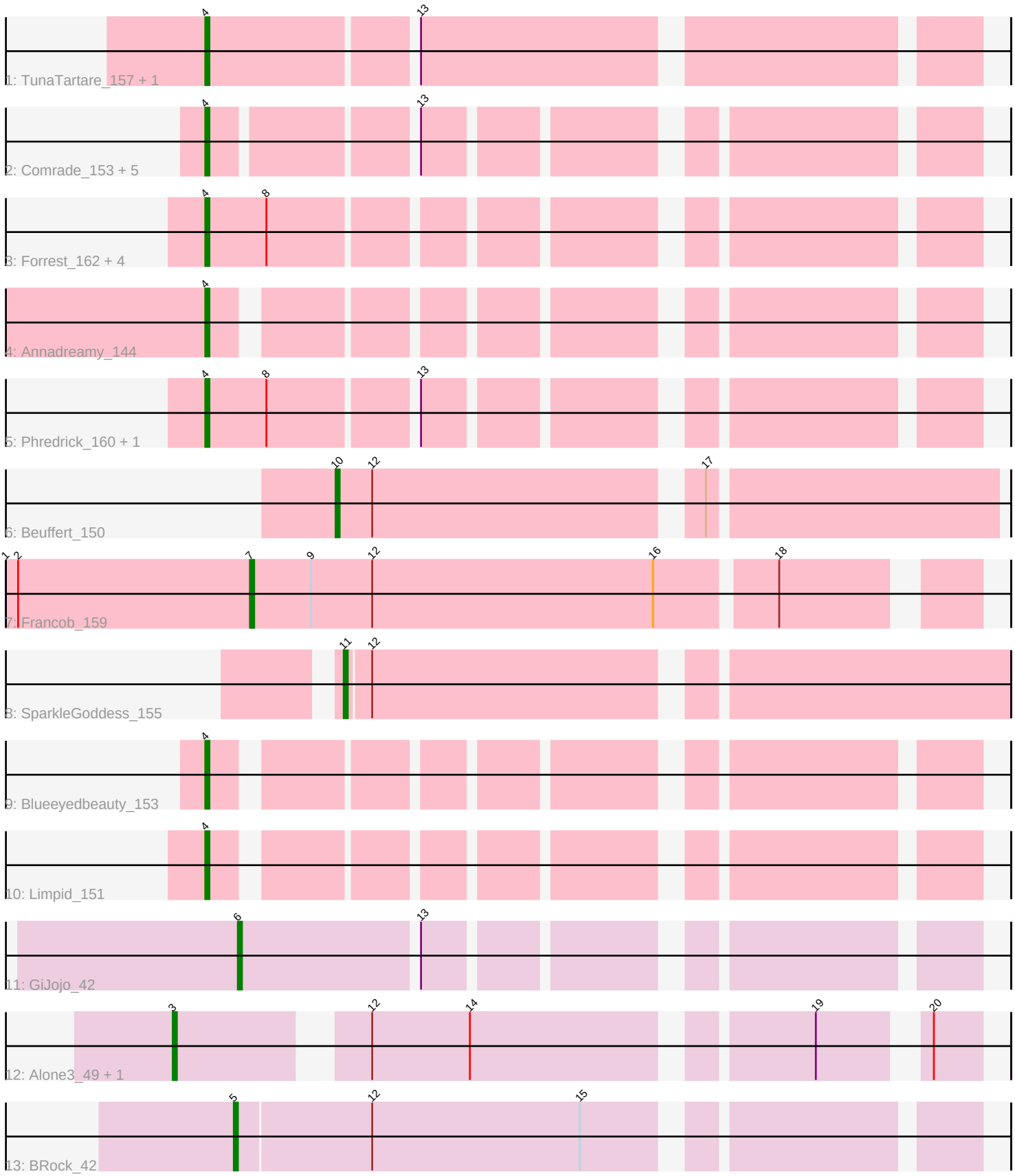
Pham 134021


4
13
1: TunaTartare_157 + 1
4
13
2: Comrade_153 + 5
4
8
3: Forrest_162 + 4
4
4: Annadreamy_144
4
8
13
5: Phredrick_160 + 1
10
12
17
6: Beuffert_150
1
2
7
9
12
16
18
7: Francob_159
11
12
8: SparkleGoddess_155
4
9: Blueeyedbeauty_153
4
10: Limpid_151
6
13
11: GiJojo_42
3
12
14
19
20
12: Alone3_49 + 1
5
12
15
13: BRock_42

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 04/28/24 on database version 559.

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),