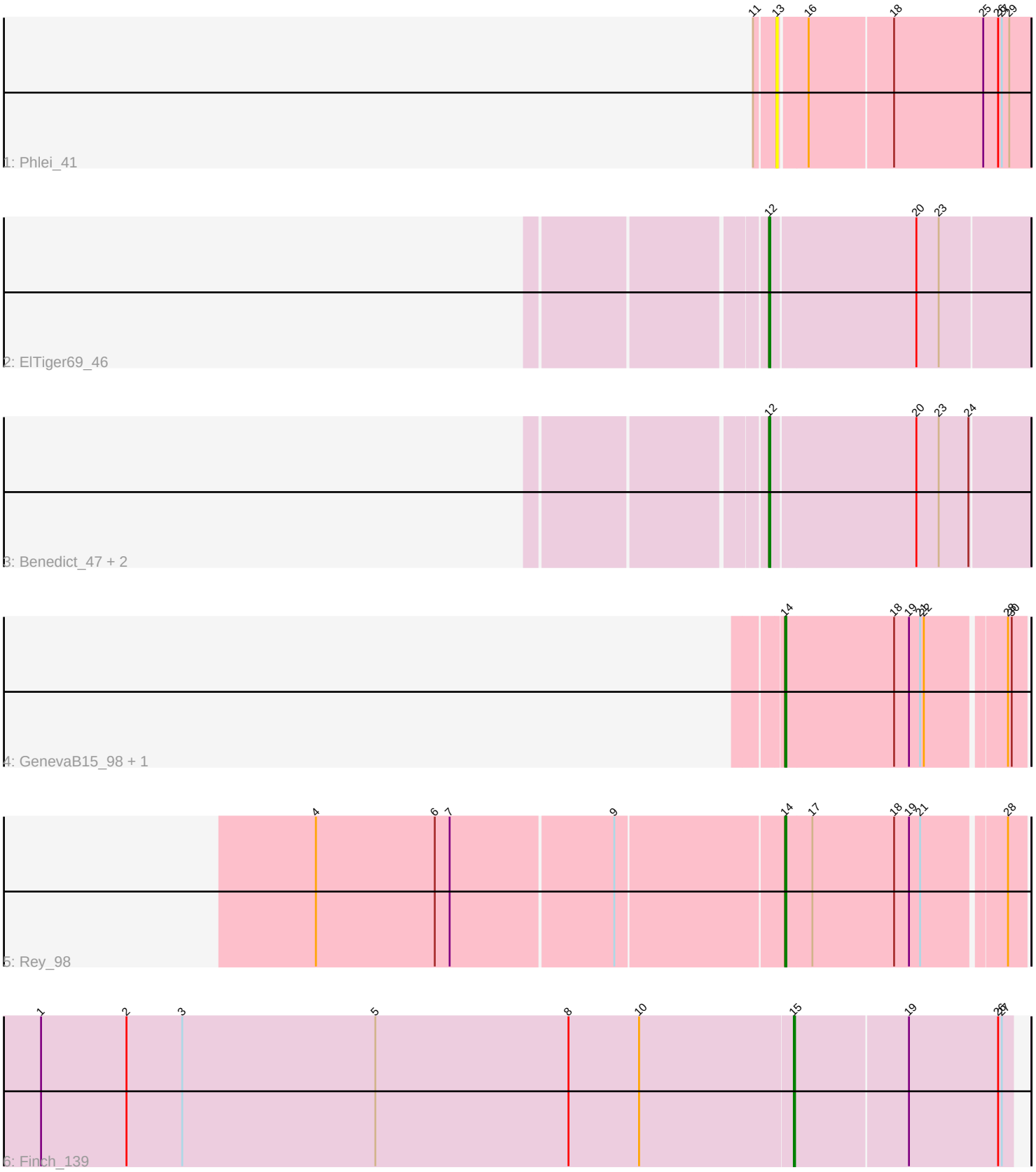
Pham 164134


11
13
16
18
25
26
27
29
1: Phlei_41
12
20
23
2: ElTiger69_46
12
20
23
24
3: Benedict_47 + 2
14
18
19
22
28
30
4: GenevaB15_98 + 1
4
6
7
9
14
17
18
19
21
28
5: Rey_98
1
2
3
5
8
10
15
19
27
6: Finch_139

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 164134 Report

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

Pham number 164134 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Phlei_41
• Track 2 : ElTiger69_46
• Track 3 : Benedict_47, Jabiru_45, UnionJack_45
• Track 4 : GenevaB15_98, Aziz_96
• Track 5 : Rey_98
• Track 6 : Finch_139

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

The start number called the most often in the published annotations is 12, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Benedict_47, ElTiger69_46, Jabiru_45, UnionJack_45,

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

Genes that do not have the "Most Annotated" start:
• Aziz_96, Finch_139, GenevaB15_98, Phlei_41, Rey_98,

Summary by start number:

Start 12:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Benedict_47 (A5), ElTiger69_46 (A5), Jabiru_45 (A5), UnionJack_45 (A5),

Start 13:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Phlei_41 (A13),

Start 14:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aziz_96 (M2), GenevaB15_98 (M2), Rey_98 (M2),

Start 15:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finch_139 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, A5, A13, M2,

Info for manual annotations of cluster A5:
•Start number 12 was manually annotated 4 times for cluster A5.

Info for manual annotations of cluster M2:
•Start number 14 was manually annotated 3 times for cluster M2.

Gene Information:

Gene: Aziz_96 Start: 54973, Stop: 55158, Start Num: 14
Candidate Starts for Aziz_96:
(Start: 14 @54973 has 3 MA's), (18, 55060), (19, 55072), (21, 55081), (22, 55084), (28, 55144), (30, 55147),

Gene: Benedict_47 Start: 34549, Stop: 34346, Start Num: 12
Candidate Starts for Benedict_47:
(Start: 12 @34549 has 4 MA's), (20, 34435), (23, 34417), (24, 34393),

Gene: ElTiger69_46 Start: 34531, Stop: 34328, Start Num: 12
Candidate Starts for ElTiger69_46:
(Start: 12 @34531 has 4 MA's), (20, 34417), (23, 34399),

Gene: Finch_139 Start: 94070, Stop: 94243, Start Num: 15
Candidate Starts for Finch_139:
(1, 93464), (2, 93533), (3, 93578), (5, 93734), (8, 93890), (10, 93947), (Start: 15 @94070 has 1 MA's), (19, 94160), (26, 94232), (27, 94235),

Gene: GenevaB15_98 Start: 54973, Stop: 55158, Start Num: 14
Candidate Starts for GenevaB15_98:
(Start: 14 @54973 has 3 MA's), (18, 55060), (19, 55072), (21, 55081), (22, 55084), (28, 55144), (30, 55147),

Gene: Jabiru_45 Start: 34404, Stop: 34201, Start Num: 12
Candidate Starts for Jabiru_45:
(Start: 12 @34404 has 4 MA's), (20, 34290), (23, 34272), (24, 34248),

Gene: Phlei_41 Start: 35394, Stop: 35197, Start Num: 13
Candidate Starts for Phlei_41:
(11, 35409), (13, 35394), (16, 35373), (18, 35307), (25, 35235), (26, 35223), (27, 35220), (29, 35214),

Gene: Rey_98 Start: 54891, Stop: 55076, Start Num: 14
Candidate Starts for Rey_98:
(4, 54522), (6, 54618), (7, 54630), (9, 54759), (Start: 14 @54891 has 3 MA's), (17, 54912), (18, 54978), (19, 54990), (21, 54999), (28, 55062),

Gene: UnionJack_45 Start: 34104, Stop: 33901, Start Num: 12
Candidate Starts for UnionJack_45:
(Start: 12 @34104 has 4 MA's), (20, 33990), (23, 33972), (24, 33948),