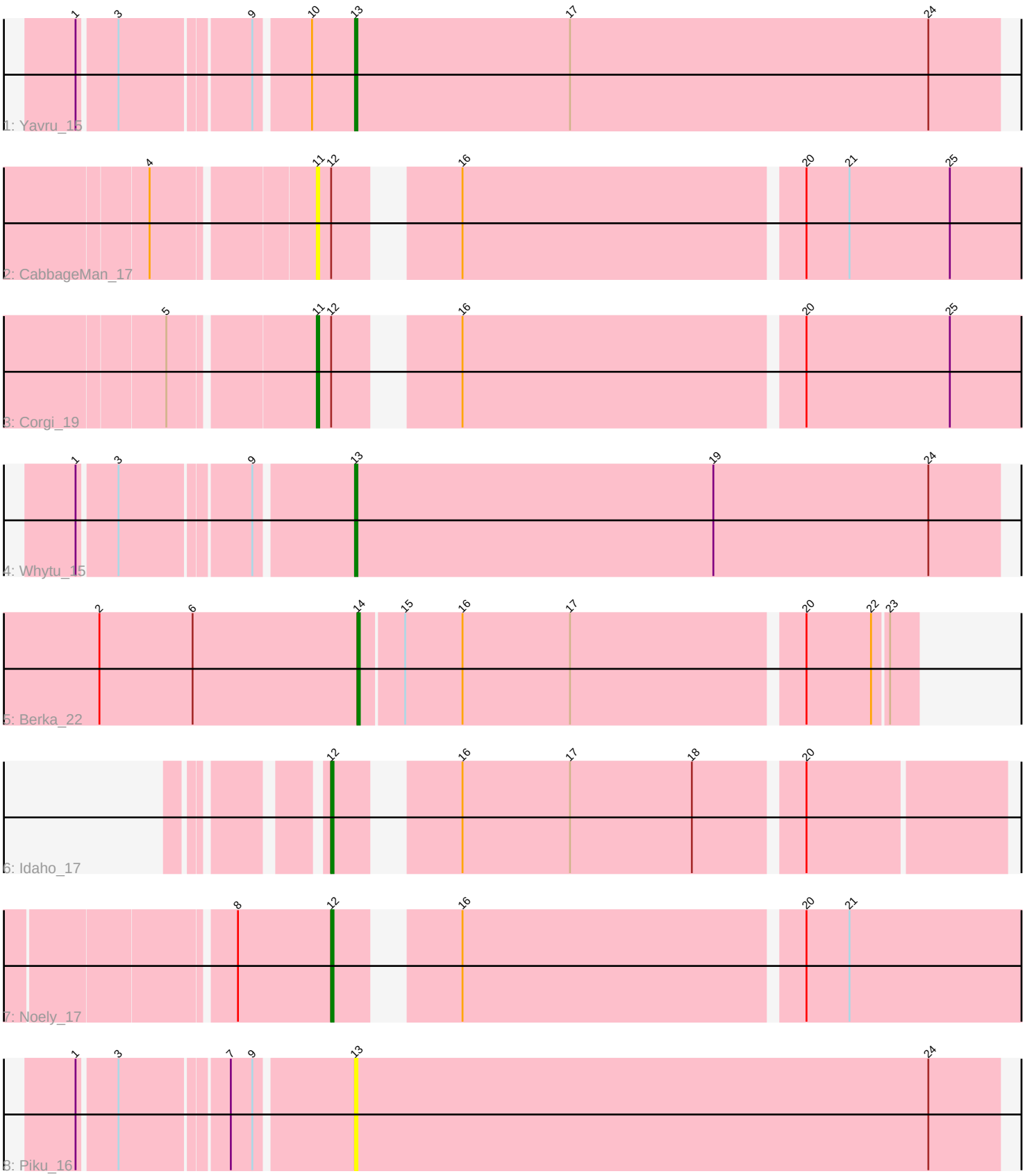
Pham 162442


1
3
9
10
13
17
24
1: Yavru_15
4
11
12
16
20
21
25
2: CabbageMan_17
5
11
12
16
20
25
3: Corgi_19
1
3
9
13
19
24
4: Whytu_15
2
6
14
15
16
17
20
22
23
5: Berka_22
12
16
17
18
20
6: Idaho_17
8
12
16
20
21
7: Noely_17
1
3
7
9
13
24
8: Piku_16

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 162442 Report

This analysis was run 05/04/24 on database version 560.

Pham number 162442 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Yavru_15
• Track 2 : CabbageMan_17
• Track 3 : Corgi_19
• Track 4 : Whytu_15
• Track 5 : Berka_22
• Track 6 : Idaho_17
• Track 7 : Noely_17
• Track 8 : Piku_16

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Piku_16, Whytu_15, Yavru_15,

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

Genes that do not have the "Most Annotated" start:
• Berka_22, CabbageMan_17, Corgi_19, Idaho_17, Noely_17,

Summary by start number:

Start 11:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_17 (FE), Corgi_19 (FE),

Start 12:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 6

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Idaho_17 (FE), Noely_17 (FE),

Start 13:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Piku_16 (FE), Whytu_15 (FE), Yavru_15 (FE),

Start 14:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berka_22 (FE),

Summary by clusters:

There is one cluster represented in this pham: FE

Info for manual annotations of cluster FE:
•Start number 11 was manually annotated 1 time for cluster FE.
•Start number 12 was manually annotated 2 times for cluster FE.
•Start number 13 was manually annotated 2 times for cluster FE.
•Start number 14 was manually annotated 1 time for cluster FE.

Gene Information:

Gene: Berka_22 Start: 13026, Stop: 13250, Start Num: 14
Candidate Starts for Berka_22:
(2, 12918), (6, 12957), (Start: 14 @13026 has 1 MA's), (15, 13044), (16, 13068), (17, 13113), (20, 13206), (22, 13233), (23, 13239),

Gene: CabbageMan_17 Start: 13096, Stop: 13374, Start Num: 11
Candidate Starts for CabbageMan_17:
(4, 13033), (Start: 11 @13096 has 1 MA's), (Start: 12 @13102 has 2 MA's), (16, 13141), (20, 13279), (21, 13297), (25, 13339),

Gene: Corgi_19 Start: 13255, Stop: 13533, Start Num: 11
Candidate Starts for Corgi_19:
(5, 13198), (Start: 11 @13255 has 1 MA's), (Start: 12 @13261 has 2 MA's), (16, 13300), (20, 13438), (25, 13498),

Gene: Idaho_17 Start: 13517, Stop: 13774, Start Num: 12
Candidate Starts for Idaho_17:
(Start: 12 @13517 has 2 MA's), (16, 13556), (17, 13601), (18, 13652), (20, 13694),

Gene: Noely_17 Start: 12627, Stop: 12899, Start Num: 12
Candidate Starts for Noely_17:
(8, 12588), (Start: 12 @12627 has 2 MA's), (16, 12666), (20, 12804), (21, 12822),

Gene: Piku_16 Start: 12477, Stop: 12746, Start Num: 13
Candidate Starts for Piku_16:
(1, 12372), (3, 12387), (7, 12429), (9, 12438), (Start: 13 @12477 has 2 MA's), (24, 12717),

Gene: Whytu_15 Start: 12543, Stop: 12812, Start Num: 13
Candidate Starts for Whytu_15:
(1, 12438), (3, 12453), (9, 12504), (Start: 13 @12543 has 2 MA's), (19, 12693), (24, 12783),

Gene: Yavru_15 Start: 12438, Stop: 12707, Start Num: 13
Candidate Starts for Yavru_15:
(1, 12333), (3, 12348), (9, 12399), (10, 12420), (Start: 13 @12438 has 2 MA's), (17, 12528), (24, 12678),