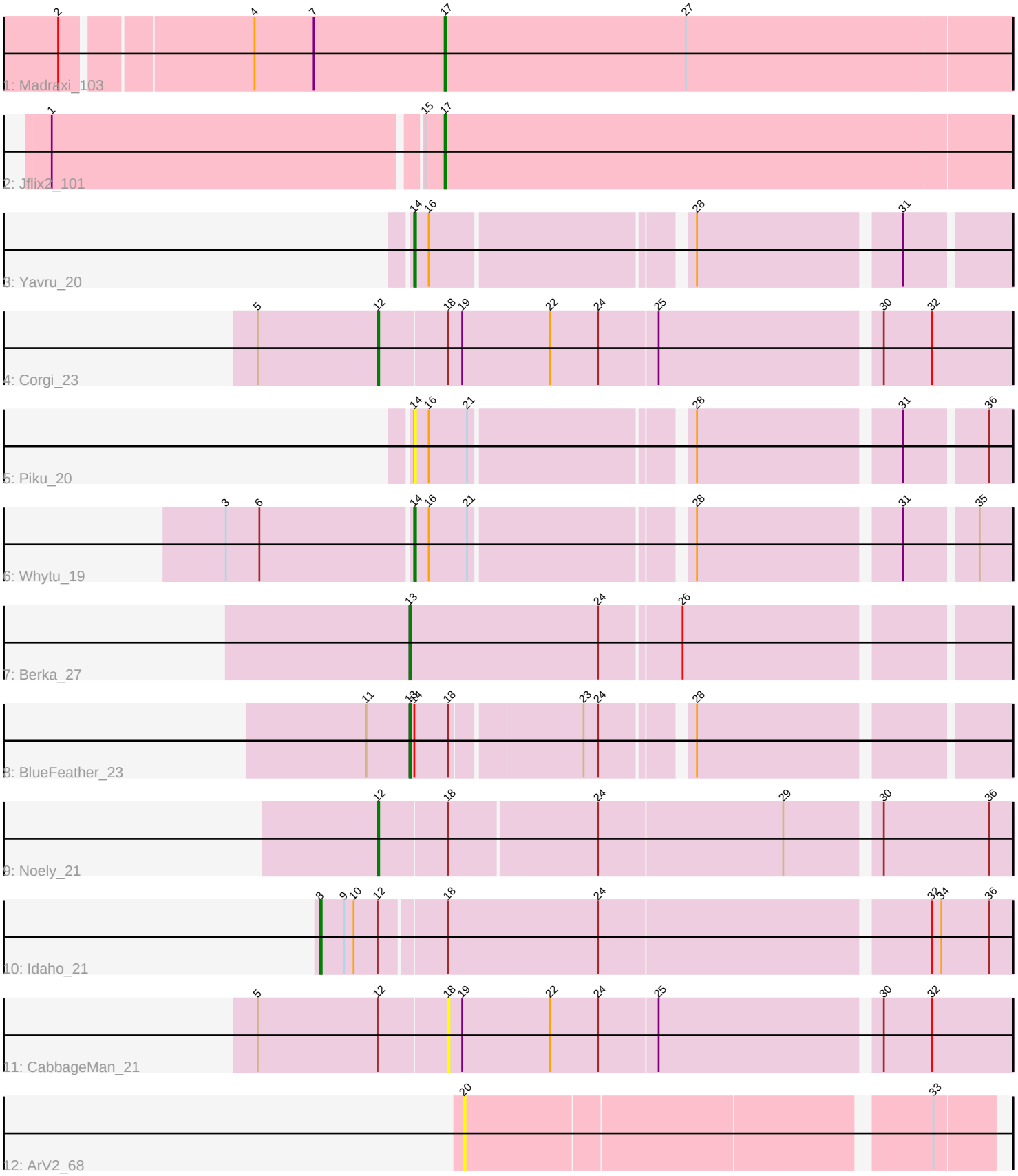
Pham 171917


2
4
7
17
27
1: Madraxi_103
1
15
17
2: Jflix2_101
14
16
28
31
3: Yavru_20
5
12
18
19
22
24
25
30
32
4: Corgi_23
14
16
21
28
31
36
5: Piku_20
3
6
14
16
21
28
31
35
6: Whytu_19
13
24
26
7: Berka_27
11
14
18
23
24
28
8: BlueFeather_23
12
18
24
29
30
36
9: Noely_21
8
9
10
12
18
24
32
34
36
10: Idaho_21
5
12
18
19
22
24
25
30
32
11: CabbageMan_21
20
33
12: ArV2_68

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 171917 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171917 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Madraxi_103
• Track 2 : Jflix2_101
• Track 3 : Yavru_20
• Track 4 : Corgi_23
• Track 5 : Piku_20
• Track 6 : Whytu_19
• Track 7 : Berka_27
• Track 8 : BlueFeather_23
• Track 9 : Noely_21
• Track 10 : Idaho_21
• Track 11 : CabbageMan_21
• Track 12 : ArV2_68

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 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Berka_27, BlueFeather_23,

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

Genes that do not have the "Most Annotated" start:
• ArV2_68, CabbageMan_21, Corgi_23, Idaho_21, Jflix2_101, Madraxi_103, Noely_21, Piku_20, Whytu_19, Yavru_20,

Summary by start number:

Start 8:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Idaho_21 (FE),

Start 12:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Corgi_23 (FE), Noely_21 (FE),

Start 13:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berka_27 (FE), BlueFeather_23 (FE),

Start 14:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Piku_20 (FE), Whytu_19 (FE), Yavru_20 (FE),

Start 17:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_101 (CF), Madraxi_103 (CF),

Start 18:
• Found in 5 of 12 (41.7%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_21 (FE),

Start 20:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV2_68 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, CF, FE,

Info for manual annotations of cluster CF:
•Start number 17 was manually annotated 2 times for cluster CF.

Info for manual annotations of cluster FE:
•Start number 8 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 2 times for cluster FE.

Gene Information:

Gene: ArV2_68 Start: 37011, Stop: 37319, Start Num: 20
Candidate Starts for ArV2_68:
(20, 37011), (33, 37284),

Gene: Berka_27 Start: 14718, Stop: 15074, Start Num: 13
Candidate Starts for Berka_27:
(Start: 13 @14718 has 2 MA's), (24, 14835), (26, 14883),

Gene: BlueFeather_23 Start: 15433, Stop: 15774, Start Num: 13
Candidate Starts for BlueFeather_23:
(11, 15406), (Start: 13 @15433 has 2 MA's), (Start: 14 @15436 has 2 MA's), (18, 15457), (23, 15535), (24, 15544), (28, 15592),

Gene: CabbageMan_21 Start: 14717, Stop: 15058, Start Num: 18
Candidate Starts for CabbageMan_21:
(5, 14600), (Start: 12 @14675 has 2 MA's), (18, 14717), (19, 14726), (22, 14780), (24, 14810), (25, 14846), (30, 14978), (32, 15008),

Gene: Corgi_23 Start: 14834, Stop: 15217, Start Num: 12
Candidate Starts for Corgi_23:
(5, 14759), (Start: 12 @14834 has 2 MA's), (18, 14876), (19, 14885), (22, 14939), (24, 14969), (25, 15005), (30, 15137), (32, 15167),

Gene: Idaho_21 Start: 14970, Stop: 15386, Start Num: 8
Candidate Starts for Idaho_21:
(Start: 8 @14970 has 1 MA's), (9, 14985), (10, 14991), (Start: 12 @15006 has 2 MA's), (18, 15045), (24, 15138), (32, 15336), (34, 15342), (36, 15372),

Gene: Jflix2_101 Start: 58160, Stop: 58510, Start Num: 17
Candidate Starts for Jflix2_101:
(1, 57923), (15, 58148), (Start: 17 @58160 has 2 MA's),

Gene: Madraxi_103 Start: 60318, Stop: 60668, Start Num: 17
Candidate Starts for Madraxi_103:
(2, 60090), (4, 60201), (7, 60237), (Start: 17 @60318 has 2 MA's), (27, 60468),

Gene: Noely_21 Start: 14189, Stop: 14569, Start Num: 12
Candidate Starts for Noely_21:
(Start: 12 @14189 has 2 MA's), (18, 14231), (24, 14321), (29, 14435), (30, 14489), (36, 14555),

Gene: Piku_20 Start: 14055, Stop: 14396, Start Num: 14
Candidate Starts for Piku_20:
(Start: 14 @14055 has 2 MA's), (16, 14064), (21, 14088), (28, 14214), (31, 14334), (36, 14382),

Gene: Whytu_19 Start: 14130, Stop: 14471, Start Num: 14
Candidate Starts for Whytu_19:
(3, 14016), (6, 14037), (Start: 14 @14130 has 2 MA's), (16, 14139), (21, 14163), (28, 14289), (31, 14409), (35, 14451),

Gene: Yavru_20 Start: 14060, Stop: 14401, Start Num: 14
Candidate Starts for Yavru_20:

(Start: 14 @14060 has 2 MA's), (16, 14069), (28, 14219), (31, 14339),