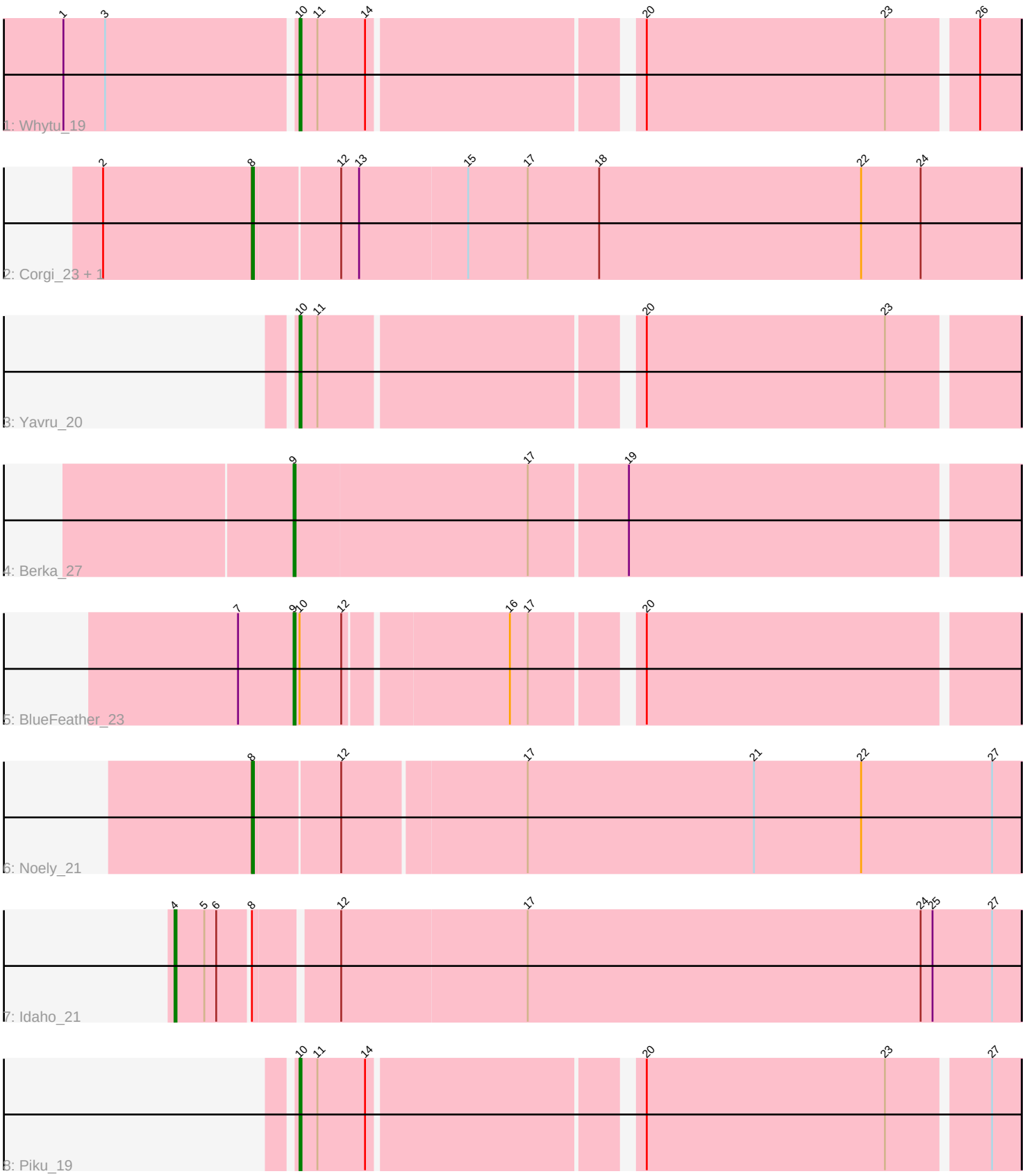
Pham 173449


1
3
10
11
14
20
23
26
1: Whytu_19
2
8
12
13
15
17
18
22
24
2: Corgi_23 + 1
10
11
20
23
3: Yavru_20
9
17
19
4: Berka_27
7
9
10
12
16
17
20
5: BlueFeather_23
8
12
17
21
22
27
6: Noely_21
4
5
6
8
12
17
24
25
27
7: Idaho_21
10
11
14
20
23
27
8: Piku_19

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 173449 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173449 has 9 members, 0 are drafts.

Phages represented in each track:
- Track 1 : Whytu_19
- Track 2 : Corgi_23, CabbageMan_21
- Track 3 : Yavru_20
- Track 4 : Berka_27
- Track 5 : BlueFeather_23
- Track 6 : Noely_21
- Track 7 : Idaho_21
- Track 8 : Piku_19

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

The start number called the most often in the published annotations is 8, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- CabbageMan_21, Corgi_23, Noely_21,

Genes that have the "Most Annotated" start but do not call it:
- Idaho_21,

Genes that do not have the "Most Annotated" start:
- Berka_27, BlueFeather_23, Piku_19, Whytu_19, Yavru_20,

Summary by start number:

Start 4:
- Found in 1 of 9 (11.1%) 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 8:
- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 3 of 9

• Called 75.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_21 (FE), Corgi_23 (FE), Noely_21 (FE),

Start 9:
• Found in 2 of 9 (22.2%) 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 10:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Piku_19 (FE), Whytu_19 (FE), Yavru_20 (FE),

Summary by clusters:

There is one cluster represented in this pham: FE

Info for manual annotations of cluster FE:
•Start number 4 was manually annotated 1 time for cluster FE.
•Start number 8 was manually annotated 3 times for cluster FE.
•Start number 9 was manually annotated 2 times for cluster FE.
•Start number 10 was manually annotated 3 times for cluster FE.

Gene Information:

Gene: Berka_27 Start: 14718, Stop: 15074, Start Num: 9
Candidate Starts for Berka_27:
(Start: 9 @14718 has 2 MA's), (17, 14835), (19, 14883),

Gene: BlueFeather_23 Start: 15433, Stop: 15774, Start Num: 9
Candidate Starts for BlueFeather_23:
(7, 15406), (Start: 9 @15433 has 2 MA's), (Start: 10 @15436 has 3 MA's), (12, 15457), (16, 15535), (17, 15544), (20, 15592),

Gene: CabbageMan_21 Start: 14675, Stop: 15058, Start Num: 8
Candidate Starts for CabbageMan_21:
(2, 14600), (Start: 8 @14675 has 3 MA's), (12, 14717), (13, 14726), (15, 14780), (17, 14810), (18, 14846), (22, 14978), (24, 15008),

Gene: Corgi_23 Start: 14834, Stop: 15217, Start Num: 8
Candidate Starts for Corgi_23:
(2, 14759), (Start: 8 @14834 has 3 MA's), (12, 14876), (13, 14885), (15, 14939), (17, 14969), (18, 15005), (22, 15137), (24, 15167),

Gene: Idaho_21 Start: 14970, Stop: 15386, Start Num: 4
Candidate Starts for Idaho_21:

(Start: 4 @14970 has 1 MA's), (5, 14985), (6, 14991), (Start: 8 @15006 has 3 MA's), (12, 15045), (17, 15138), (24, 15336), (25, 15342), (27, 15372),

Gene: Noely_21 Start: 14189, Stop: 14569, Start Num: 8
Candidate Starts for Noely_21:
(Start: 8 @14189 has 3 MA's), (12, 14231), (17, 14321), (21, 14435), (22, 14489), (27, 14555),

Gene: Piku_19 Start: 14055, Stop: 14396, Start Num: 10
Candidate Starts for Piku_19:
(Start: 10 @14055 has 3 MA's), (11, 14064), (14, 14088), (20, 14214), (23, 14334), (27, 14382),

Gene: Whytu_19 Start: 14130, Stop: 14471, Start Num: 10
Candidate Starts for Whytu_19:
(1, 14016), (3, 14037), (Start: 10 @14130 has 3 MA's), (11, 14139), (14, 14163), (20, 14289), (23, 14409), (26, 14451),

Gene: Yavru_20 Start: 14060, Stop: 14401, Start Num: 10
Candidate Starts for Yavru_20:
(Start: 10 @14060 has 3 MA's), (11, 14069), (20, 14219), (23, 14339),