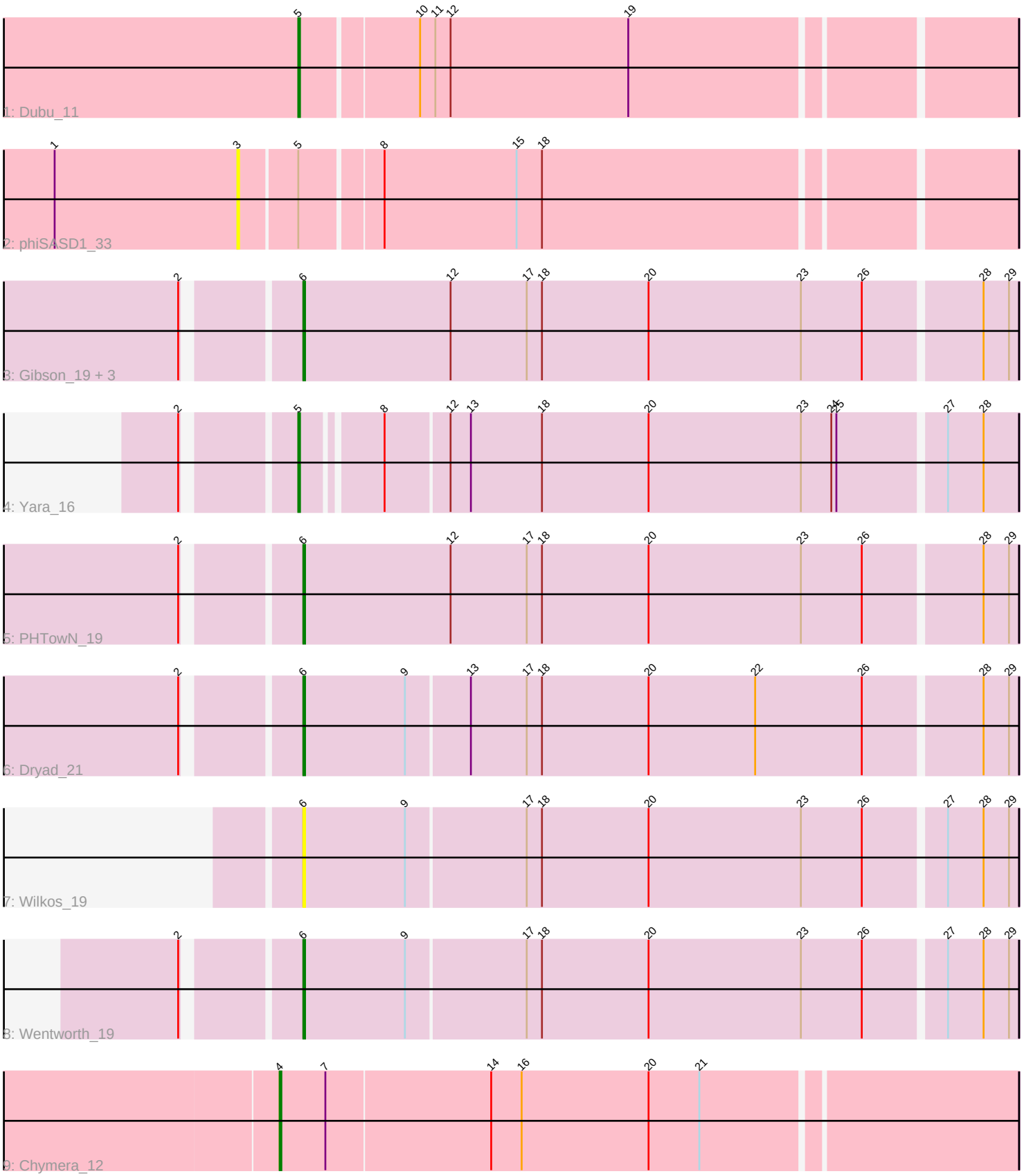
Pham 5317


5
10
11
12
19
1: Dubu_11
1
3
5
8
15
18
2: phiSASD1_33
2
6
12
17
18
20
23
26
28
29
3: Gibson_19 + 3
2
5
8
12
13
18
20
23
24
25
27
28
4: Yara_16
2
6
12
17
18
20
23
26
28
29
5: PHTowN_19
2
6
9
13
17
18
20
22
26
28
29
6: Dryad_21
6
9
17
18
20
23
26
27
28
29
7: Wilkos_19
2
6
9
17
18
20
23
26
27
28
29
8: Wentworth_19
4
7
14
16
20
21
9: Chymera_12

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 5317 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5317 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dubu_11
• Track 2 : phiSASD1_33
• Track 3 : Gibson_19, Lizz_19, Rooney_19, ShakeNBake_19
• Track 4 : Yara_16
• Track 5 : PHTowN_19
• Track 6 : Dryad_21
• Track 7 : Wilkos_19
• Track 8 : Wentworth_19
• Track 9 : Chymera_12

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dryad_21, Gibson_19, Lizz_19, PHTowN_19, Rooney_19, ShakeNBake_19, Wentworth_19, Wilkos_19,

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

Genes that do not have the "Most Annotated" start:
• Chymera_12, Dubu_11, Yara_16, phiSASD1_33,

Summary by start number:

Start 3:
• 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: phiSASD1_33 (BJ),

Start 4:

• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chymera_12 (singleton),

Start 5:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Dubu_11 (BJ), Yara_16 (BN),

Start 6:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dryad_21 (BN), Gibson_19 (BN), Lizz_19 (BN), PHTowN_19 (BN), Rooney_19 (BN), ShakeNBake_19 (BN), Wentworth_19 (BN), Wilkos_19 (BN),

Summary by clusters:

There are 3 clusters represented in this pham: BN, singleton, BJ,

Info for manual annotations of cluster BJ:
•Start number 5 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BN:
•Start number 5 was manually annotated 1 time for cluster BN.
•Start number 6 was manually annotated 7 times for cluster BN.

Gene Information:

Gene: Chymera_12 Start: 8938, Stop: 9363, Start Num: 4
Candidate Starts for Chymera_12:
(Start: 4 @8938 has 1 MA's), (7, 8965), (14, 9061), (16, 9079), (20, 9154), (21, 9184),

Gene: Dryad_21 Start: 11826, Stop: 12239, Start Num: 6
Candidate Starts for Dryad_21:
(2, 11766), (Start: 6 @11826 has 7 MA's), (9, 11886), (13, 11922), (17, 11955), (18, 11964), (20, 12027), (22, 12090), (26, 12153), (28, 12219), (29, 12234),

Gene: Dubu_11 Start: 7603, Stop: 8007, Start Num: 5
Candidate Starts for Dubu_11:
(Start: 5 @7603 has 2 MA's), (10, 7669), (11, 7678), (12, 7687), (19, 7792),

Gene: Gibson_19 Start: 11384, Stop: 11800, Start Num: 6
Candidate Starts for Gibson_19:
(2, 11324), (Start: 6 @11384 has 7 MA's), (12, 11471), (17, 11516), (18, 11525), (20, 11588), (23, 11678), (26, 11714), (28, 11780), (29, 11795),

Gene: Lizz_19 Start: 11300, Stop: 11716, Start Num: 6

Candidate Starts for Lizz_19:
(2, 11240), (Start: 6 @11300 has 7 MA's), (12, 11387), (17, 11432), (18, 11441), (20, 11504), (23, 11594), (26, 11630), (28, 11696), (29, 11711),

Gene: PHTowN_19 Start: 11300, Stop: 11716, Start Num: 6
Candidate Starts for PHTowN_19:
(2, 11240), (Start: 6 @11300 has 7 MA's), (12, 11387), (17, 11432), (18, 11441), (20, 11504), (23, 11594), (26, 11630), (28, 11696), (29, 11711),

Gene: Rooney_19 Start: 11381, Stop: 11797, Start Num: 6
Candidate Starts for Rooney_19:
(2, 11321), (Start: 6 @11381 has 7 MA's), (12, 11468), (17, 11513), (18, 11522), (20, 11585), (23, 11675), (26, 11711), (28, 11777), (29, 11792),

Gene: ShakeNBake_19 Start: 11300, Stop: 11716, Start Num: 6
Candidate Starts for ShakeNBake_19:
(2, 11240), (Start: 6 @11300 has 7 MA's), (12, 11387), (17, 11432), (18, 11441), (20, 11504), (23, 11594), (26, 11630), (28, 11696), (29, 11711),

Gene: Wentworth_19 Start: 11090, Stop: 11503, Start Num: 6
Candidate Starts for Wentworth_19:
(2, 11030), (Start: 6 @11090 has 7 MA's), (9, 11150), (17, 11219), (18, 11228), (20, 11291), (23, 11381), (26, 11417), (27, 11462), (28, 11483), (29, 11498),

Gene: Wilkos_19 Start: 11259, Stop: 11672, Start Num: 6
Candidate Starts for Wilkos_19:
(Start: 6 @11259 has 7 MA's), (9, 11319), (17, 11388), (18, 11397), (20, 11460), (23, 11550), (26, 11586), (27, 11631), (28, 11652), (29, 11667),

Gene: Yara_16 Start: 10200, Stop: 10607, Start Num: 5
Candidate Starts for Yara_16:
(2, 10143), (Start: 5 @10200 has 2 MA's), (8, 10242), (12, 10278), (13, 10290), (18, 10332), (20, 10395), (23, 10485), (24, 10503), (25, 10506), (27, 10566), (28, 10587),

Gene: phiSASD1_33 Start: 8110, Stop: 8547, Start Num: 3
Candidate Starts for phiSASD1_33:
(1, 8002), (3, 8110), (Start: 5 @8143 has 2 MA's), (8, 8188), (15, 8266), (18, 8281),