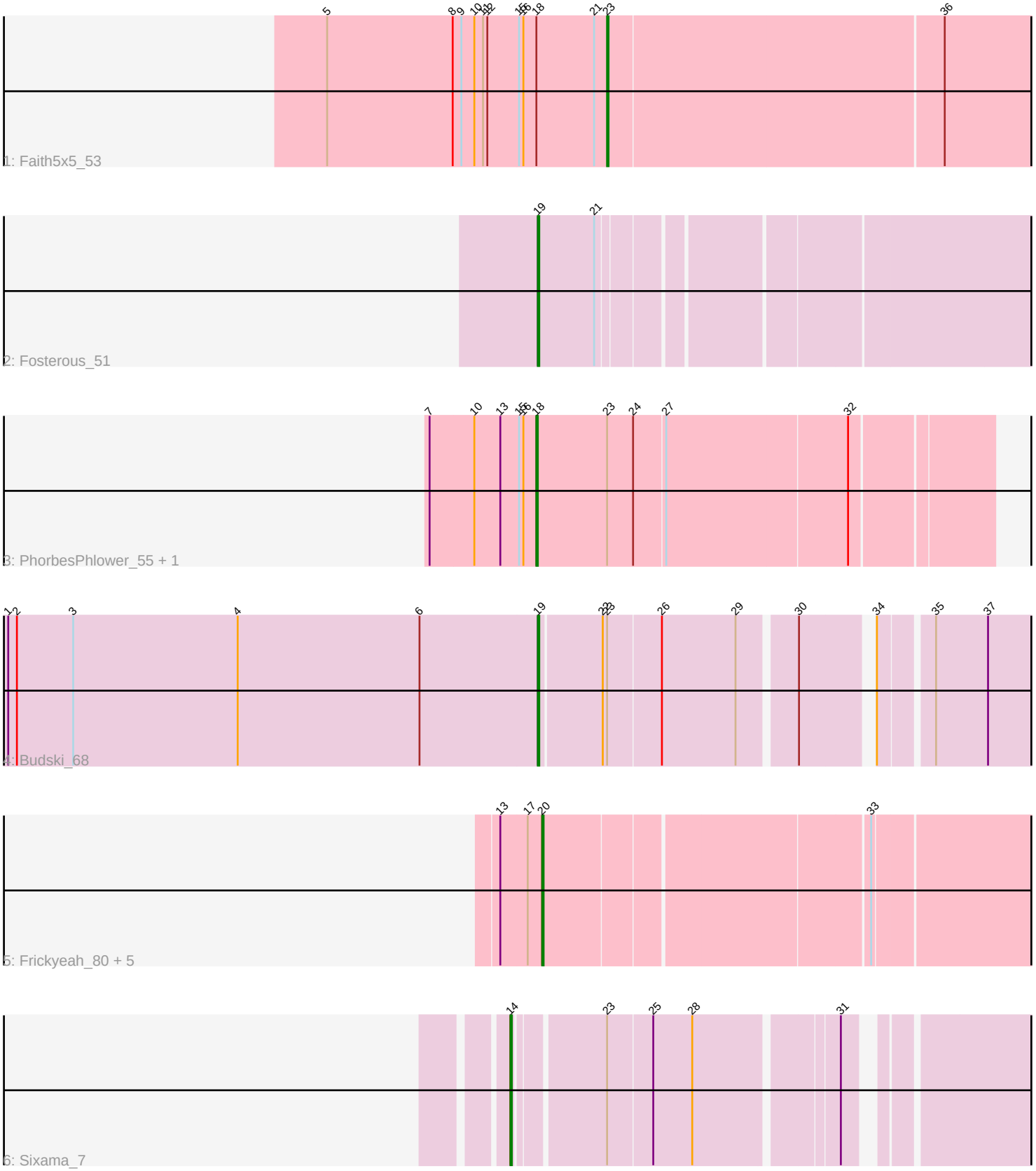
Pham 291704


5
8
9
10
12
15
16
18
21
23
36
1: Faith5x5_53
19
21
2: Fosterous_51
7
10
13
15
16
18
23
24
27
32
3: PhorbesPhlower_55 + 1
1
2
3
4
6
19
22
23
26
29
30
34
35
37
4: Budski_68
13
17
20
33
5: Frickyeah_80 + 5
14
23
25
28
31
6: Sixama_7

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 291704 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291704 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Faith5x5_53
• Track 2 : Fosterous_51
• Track 3 : PhorbesPhlower_55, Morkie_59
• Track 4 : Budski_68
• Track 5 : Frickyeah_80, Birdsong_73, Ecliptus_80, BotCity_80, BENtherdunthat_78, Asapag_74
• Track 6 : Sixama_7

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

The start number called the most often in the published annotations is 20, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_74, BENtherdunthat_78, Birdsong_73, BotCity_80, Ecliptus_80, Frickyeah_80,

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

Genes that do not have the "Most Annotated" start:
• Budski_68, Faith5x5_53, Fosterous_51, Morkie_59, PhorbesPhlower_55, Sixama_7,

Summary by start number:

Start 14:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sixama_7 (DS),

Start 18:
• Found in 3 of 12 (25.0%) of genes in pham

• Manual Annotations of this start: 2 of 11
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Morkie_59 (DH), PhorbesPhlower_55 (DH),

Start 19:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Budski_68 (DN), Fosterous_51 (DE1),

Start 20:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Asapag_74 (DN1), BENtherdunthat_78 (DN1), Birdsong_73 (DN), BotCity_80 (DN), Ecliptus_80 (DN), Frickyeah_80 (DN1),

Start 23:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Faith5x5_53 (CZ6),

Summary by clusters:

There are 6 clusters represented in this pham: DN, DH, DE1, CZ6, DN1, DS,

Info for manual annotations of cluster CZ6:
•Start number 23 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DE1:
•Start number 19 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DH:
•Start number 18 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster DN:
•Start number 19 was manually annotated 1 time for cluster DN.
•Start number 20 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 20 was manually annotated 2 times for cluster DN1.

Info for manual annotations of cluster DS:
•Start number 14 was manually annotated 1 time for cluster DS.

Gene Information:

Gene: Asapag_74 Start: 43606, Stop: 43938, Start Num: 20
Candidate Starts for Asapag_74:

(13, 43579), (17, 43597), (Start: 20 @43606 has 5 MA's), (33, 43819),

Gene: BENtherdunthat_78 Start: 44652, Stop: 44984, Start Num: 20
Candidate Starts for BENtherdunthat_78:
(13, 44625), (17, 44643), (Start: 20 @44652 has 5 MA's), (33, 44865),

Gene: Birdsong_73 Start: 43342, Stop: 43674, Start Num: 20
Candidate Starts for Birdsong_73:
(13, 43315), (17, 43333), (Start: 20 @43342 has 5 MA's), (33, 43555),

Gene: BotCity_80 Start: 46160, Stop: 46492, Start Num: 20
Candidate Starts for BotCity_80:
(13, 46133), (17, 46151), (Start: 20 @46160 has 5 MA's), (33, 46373),

Gene: Budski_68 Start: 41006, Stop: 41320, Start Num: 19
Candidate Starts for Budski_68:
(1, 40640), (2, 40646), (3, 40685), (4, 40799), (6, 40925), (Start: 19 @41006 has 2 MA's), (22, 41048), (Start: 23 @41051 has 1 MA's), (26, 41087), (29, 41138), (30, 41174), (34, 41216), (35, 41249), (37, 41285),

Gene: Ecliptus_80 Start: 46255, Stop: 46587, Start Num: 20
Candidate Starts for Ecliptus_80:
(13, 46228), (17, 46246), (Start: 20 @46255 has 5 MA's), (33, 46468),

Gene: Faith5x5_53 Start: 34268, Stop: 34585, Start Num: 23
Candidate Starts for Faith5x5_53:
(5, 34076), (8, 34163), (9, 34169), (10, 34178), (11, 34184), (12, 34187), (15, 34208), (16, 34211), (Start: 18 @34220 has 2 MA's), (21, 34259), (Start: 23 @34268 has 1 MA's), (36, 34496),

Gene: Fosterous_51 Start: 43102, Stop: 43419, Start Num: 19
Candidate Starts for Fosterous_51:
(Start: 19 @43102 has 2 MA's), (21, 43141),

Gene: Frickyeah_80 Start: 44783, Stop: 45115, Start Num: 20
Candidate Starts for Frickyeah_80:
(13, 44756), (17, 44774), (Start: 20 @44783 has 5 MA's), (33, 44996),

Gene: Morkie_59 Start: 36074, Stop: 36376, Start Num: 18
Candidate Starts for Morkie_59:
(7, 36002), (10, 36032), (13, 36050), (15, 36062), (16, 36065), (Start: 18 @36074 has 2 MA's), (Start: 23 @36122 has 1 MA's), (24, 36140), (27, 36161), (32, 36284),

Gene: PhorbesPhlower_55 Start: 35141, Stop: 35443, Start Num: 18
Candidate Starts for PhorbesPhlower_55:
(7, 35069), (10, 35099), (13, 35117), (15, 35129), (16, 35132), (Start: 18 @35141 has 2 MA's), (Start: 23 @35189 has 1 MA's), (24, 35207), (27, 35228), (32, 35351),

Gene: Sixama_7 Start: 2706, Stop: 2383, Start Num: 14
Candidate Starts for Sixama_7:
(Start: 14 @2706 has 1 MA's), (Start: 23 @2649 has 1 MA's), (25, 2619), (28, 2592), (31, 2502),