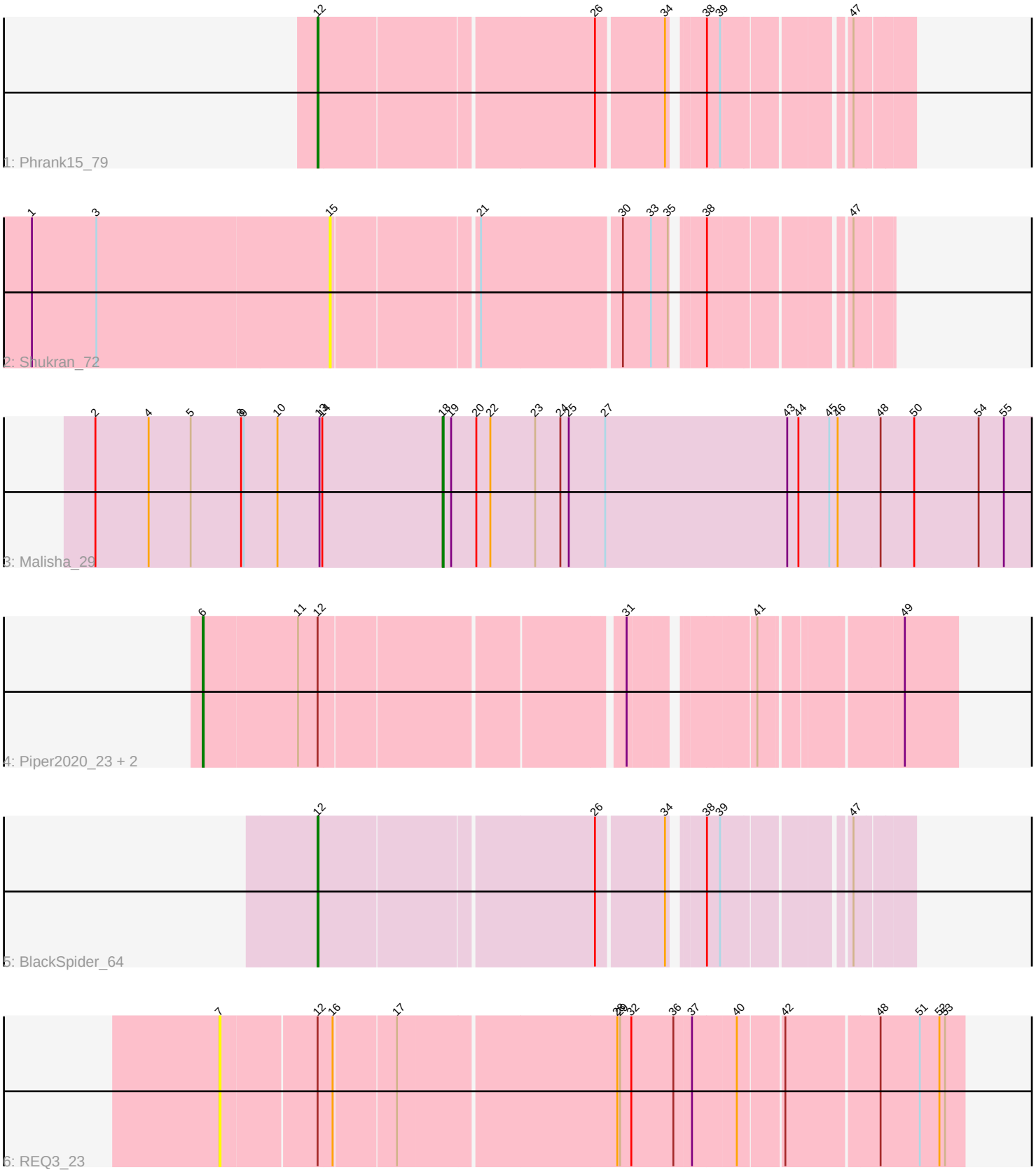
Pham 293444


12
26
34
38
39
47
1: Phrank15_79
1
3
15
21
30
33
35
38
47
2: Shukran_72
2
4
5
8
9
10
13
14
18
19
20
22
23
24
25
27
43
44
45
46
48
50
54
55
3: Malisha_29
6
11
12
31
41
49
4: Piper2020_23 + 2
12
26
34
38
39
47
5: BlackSpider_64
7
12
16
17
28
29
32
36
37
40
42
48
51
52
53
6: REQ3_23

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 293444 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293444 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phrank15_79
• Track 2 : Shukran_72
• Track 3 : Malisha_29
• Track 4 : Piper2020_23, DocMcStuffins_23, Aloeri_23
• Track 5 : BlackSpider_64
• Track 6 : REQ3_23

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloeri_23, DocMcStuffins_23, Piper2020_23,

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

Genes that do not have the "Most Annotated" start:
• BlackSpider_64, Malisha_29, Phrank15_79, REQ3_23, Shukran_72,

Summary by start number:

Start 6:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloeri_23 (F1), DocMcStuffins_23 (F1), Piper2020_23 (F1),

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: REQ3_23 (singleton),

Start 12:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BlackSpider_64 (FN), Phrank15_79 (AY),

Start 15:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shukran_72 (AY),

Start 18:
• 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: Malisha_29 (DN),

Summary by clusters:

There are 5 clusters represented in this pham: DN, F1, singleton, AY, FN,

Info for manual annotations of cluster AY:
•Start number 12 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster DN:
•Start number 18 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster F1:
•Start number 6 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster FN:
•Start number 12 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Aloeri_23 Start: 23233, Stop: 23961, Start Num: 6
Candidate Starts for Aloeri_23:
(Start: 6 @23233 has 3 MA's), (11, 23332), (Start: 12 @23353 has 2 MA's), (31, 23656), (41, 23767), (49, 23905),

Gene: BlackSpider_64 Start: 38978, Stop: 39544, Start Num: 12
Candidate Starts for BlackSpider_64:
(Start: 12 @38978 has 2 MA's), (26, 39260), (34, 39329), (38, 39356), (39, 39368), (47, 39485),

Gene: DocMcStuffins_23 Start: 23233, Stop: 23961, Start Num: 6
Candidate Starts for DocMcStuffins_23:

(Start: 6 @23233 has 3 MA's), (11, 23332), (Start: 12 @23353 has 2 MA's), (31, 23656), (41, 23767), (49, 23905),

Gene: Malisha_29 Start: 23381, Stop: 24040, Start Num: 18
Candidate Starts for Malisha_29:
(2, 23009), (4, 23066), (5, 23111), (8, 23165), (9, 23168), (10, 23204), (13, 23249), (14, 23252), (Start: 18 @23381 has 1 MA's), (19, 23390), (20, 23417), (22, 23432), (23, 23480), (24, 23507), (25, 23516), (27, 23555), (43, 23750), (44, 23762), (45, 23795), (46, 23804), (48, 23849), (50, 23885), (54, 23954), (55, 23981),

Gene: Phrank15_79 Start: 42147, Stop: 42713, Start Num: 12
Candidate Starts for Phrank15_79:
(Start: 12 @42147 has 2 MA's), (26, 42429), (34, 42498), (38, 42525), (39, 42537), (47, 42654),

Gene: Piper2020_23 Start: 23232, Stop: 23960, Start Num: 6
Candidate Starts for Piper2020_23:
(Start: 6 @23232 has 3 MA's), (11, 23331), (Start: 12 @23352 has 2 MA's), (31, 23655), (41, 23766), (49, 23904),

Gene: REQ3_23 Start: 10266, Stop: 11021, Start Num: 7
Candidate Starts for REQ3_23:
(7, 10266), (Start: 12 @10365 has 2 MA's), (16, 10380), (17, 10443), (28, 10668), (29, 10671), (32, 10683), (36, 10728), (37, 10746), (40, 10791), (42, 10836), (48, 10932), (51, 10974), (52, 10995), (53, 11001),

Gene: Shukran_72 Start: 40696, Stop: 41226, Start Num: 15
Candidate Starts for Shukran_72:
(1, 40381), (3, 40450), (15, 40696), (21, 40843), (30, 40987), (33, 41017), (35, 41035), (38, 41059), (47, 41188),