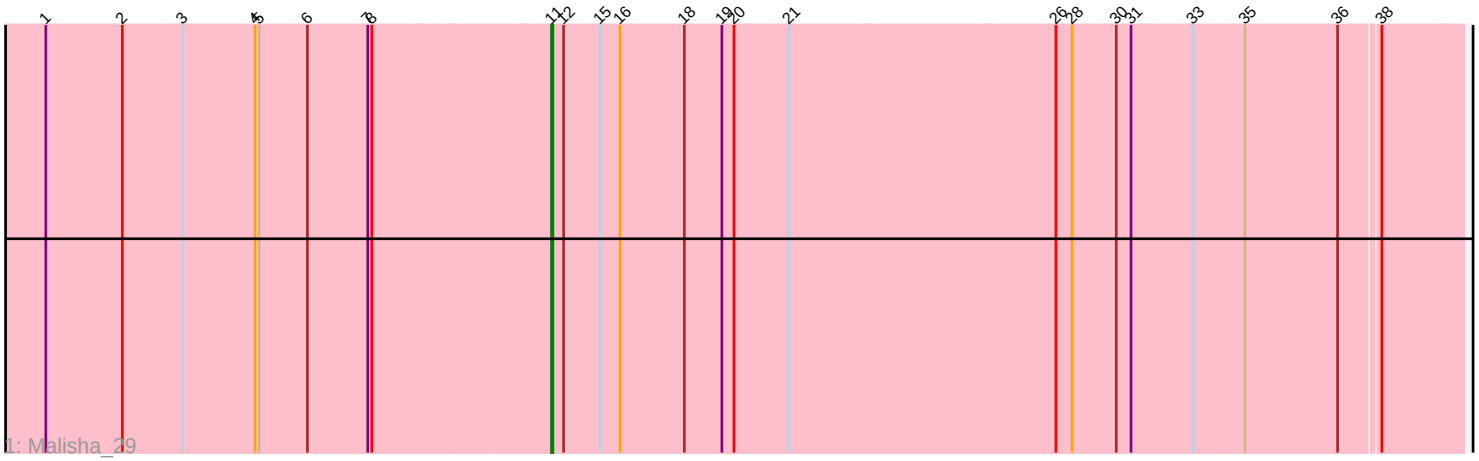
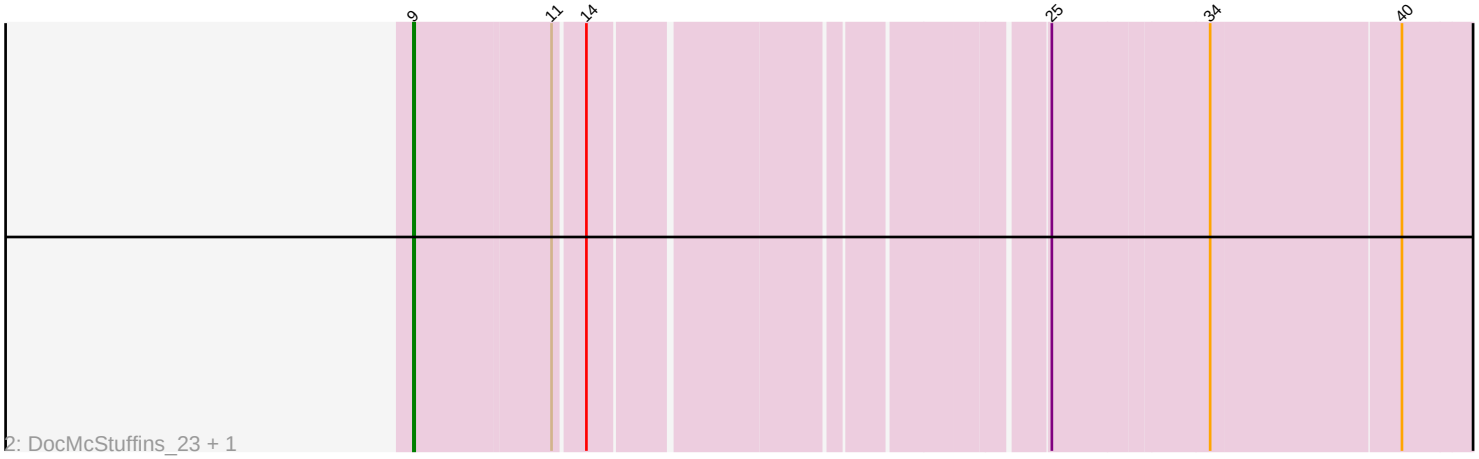
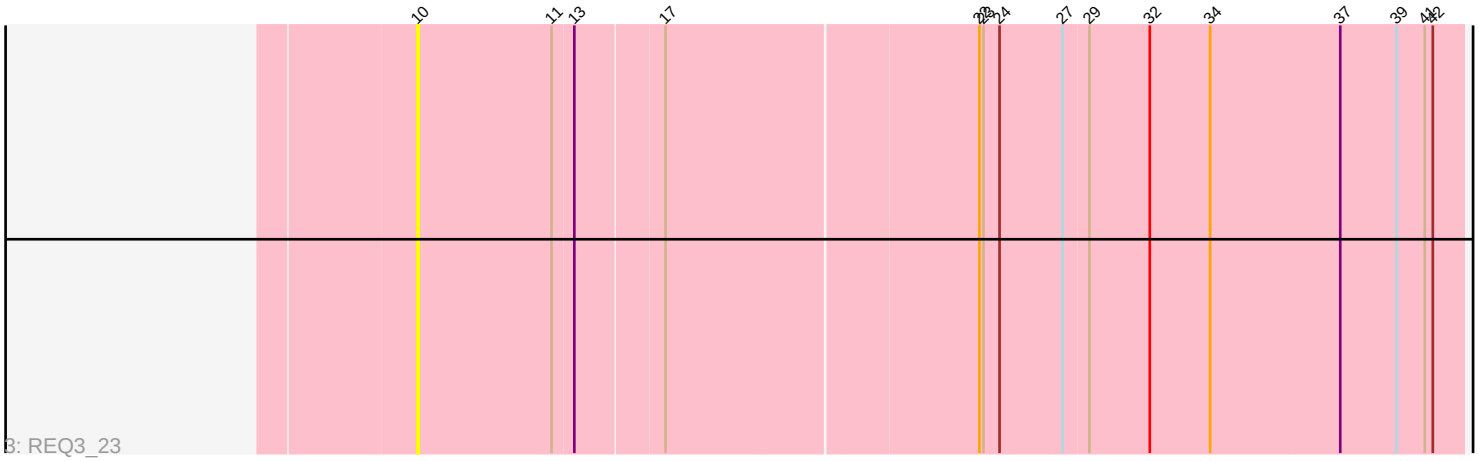
Pham 197298


1
2
3
4
5
6
7
8
11
12
15
16
18
19
20
21
26
28
30
31
33
35
36
38
1: Malisha_29


9
11
14
25
34
40
2: DocMcStuffins_23 + 1


10
11
13
17
22
23
24
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29
32
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37
39
41
42
3: 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 197298 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197298 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Malisha_29
• Track 2 : DocMcStuffins_23, Piper2020_23
• Track 3 : 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 9, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 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:
• Malisha_29, REQ3_23,

Summary by start number:

Start 9:
• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DocMcStuffins_23 (F1), Piper2020_23 (F1),

Start 10:
• Found in 1 of 4 (25.0%) 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 11:

• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Malisha_29 (DN),

Summary by clusters:

There are 3 clusters represented in this pham: DN, F1, singleton,

Info for manual annotations of cluster DN:
•Start number 11 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster F1:
•Start number 9 was manually annotated 2 times for cluster F1.

Gene Information:

Gene: DocMcStuffins_23 Start: 23233, Stop: 23961, Start Num: 9
Candidate Starts for DocMcStuffins_23:
(Start: 9 @23233 has 2 MA's), (Start: 11 @23332 has 1 MA's), (14, 23353), (25, 23656), (34, 23767), (40, 23905),

Gene: Malisha_29 Start: 23381, Stop: 24040, Start Num: 11
Candidate Starts for Malisha_29:
(1, 23009), (2, 23066), (3, 23111), (4, 23165), (5, 23168), (6, 23204), (7, 23249), (8, 23252), (Start: 11 @23381 has 1 MA's), (12, 23390), (15, 23417), (16, 23432), (18, 23480), (19, 23507), (20, 23516), (21, 23555), (26, 23750), (28, 23762), (30, 23795), (31, 23804), (33, 23849), (35, 23885), (36, 23954), (38, 23981),

Gene: Piper2020_23 Start: 23232, Stop: 23960, Start Num: 9
Candidate Starts for Piper2020_23:
(Start: 9 @23232 has 2 MA's), (Start: 11 @23331 has 1 MA's), (14, 23352), (25, 23655), (34, 23766), (40, 23904),

Gene: REQ3_23 Start: 10266, Stop: 11021, Start Num: 10
Candidate Starts for REQ3_23:
(10, 10266), (Start: 11 @10365 has 1 MA's), (13, 10380), (17, 10443), (22, 10668), (23, 10671), (24, 10683), (27, 10728), (29, 10746), (32, 10791), (34, 10836), (37, 10932), (39, 10974), (41, 10995), (42, 11001),