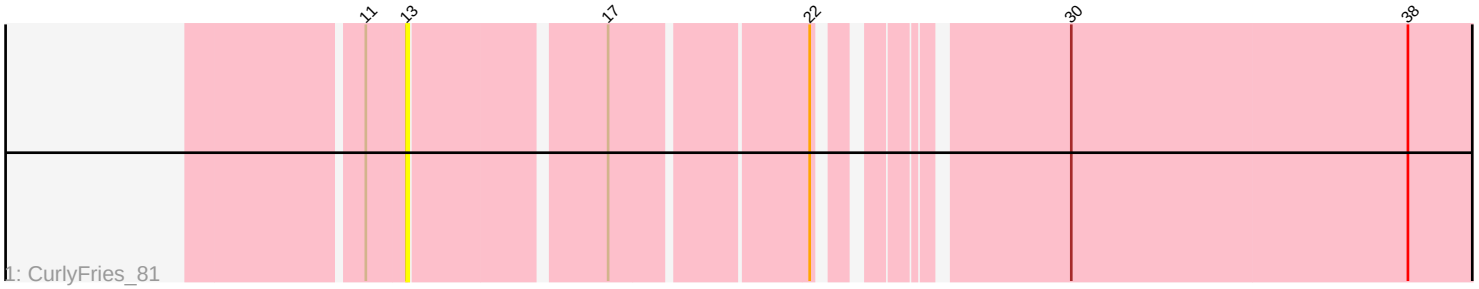
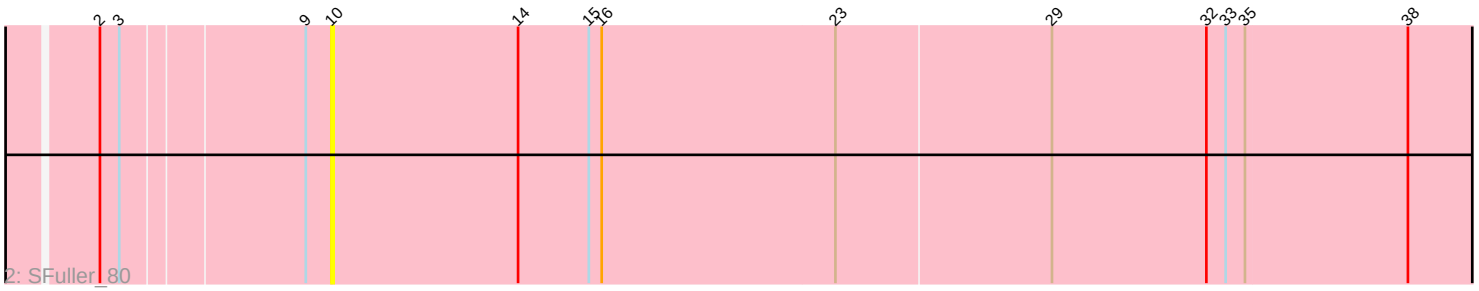
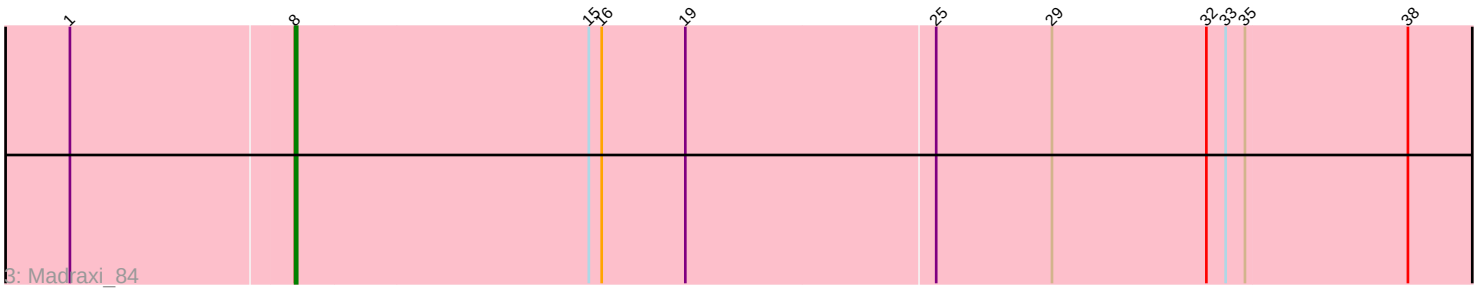
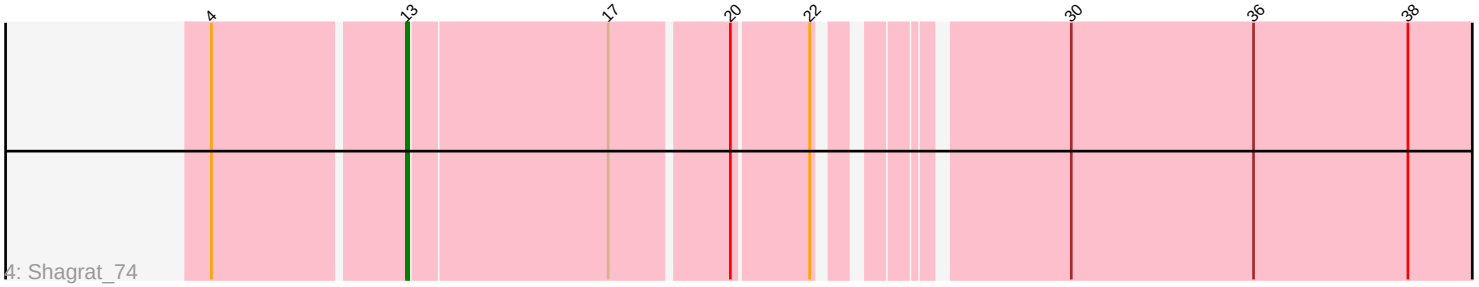
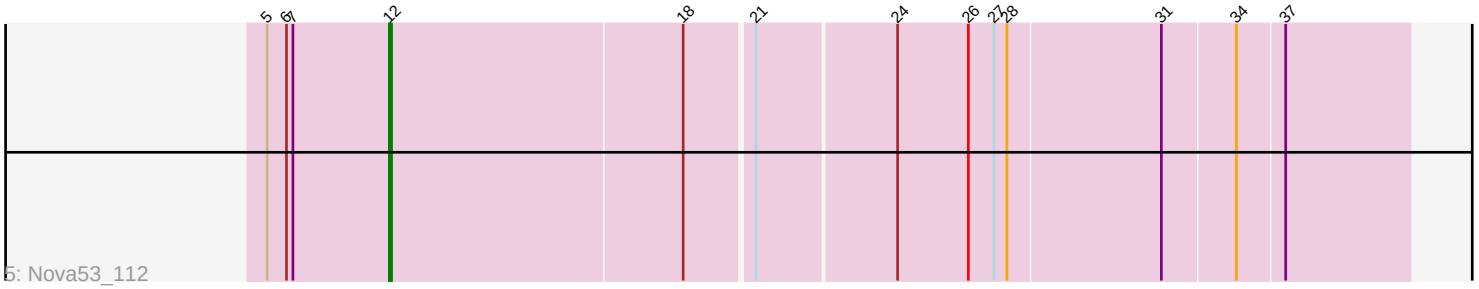
Pham 290155


11
13
17
22
30
38
1: CurlyFries_81


2
3
9
10
14
15
16
23
29
32
33
35
38
2: SFuller_80


1
8
15
16
19
25
29
32
33
35
38
3: Madraxi_84


4
13
17
20
22
30
36
38
4: Shagrat_74


5
6
7
12
18
21
24
26
27
28
31
34
37
5: Nova53_112

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 290155 Report

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

Pham number 290155 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : CurlyFries_81
• Track 2 : SFuller_80
• Track 3 : Madraxi_84
• Track 4 : Shagrat_74
• Track 5 : Nova53_112

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

The start number called the most often in the published annotations is 13, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CurlyFries_81, Shagrat_74,

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

Genes that do not have the "Most Annotated" start:
• Madraxi_84, Nova53_112, SFuller_80,

Summary by start number:

Start 8:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Madraxi_84 (CF),

Start 10:
• Found in 1 of 5 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SFuller_80 (CF),

Start 12:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nova53_112 (CG),

Start 13:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CurlyFries_81 (CF), Shagrat_74 (CF),

Summary by clusters:

There are 2 clusters represented in this pham: CG, CF,

Info for manual annotations of cluster CF:
•Start number 8 was manually annotated 1 time for cluster CF.
•Start number 13 was manually annotated 1 time for cluster CF.

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

Gene Information:

Gene: CurlyFries_81 Start: 42797, Stop: 43261, Start Num: 13
Candidate Starts for CurlyFries_81:
(11, 42779), (Start: 13 @42797 has 1 MA's), (17, 42881), (22, 42965), (30, 43058), (38, 43214),

Gene: Madraxi_84 Start: 50398, Stop: 50958, Start Num: 8
Candidate Starts for Madraxi_84:
(1, 50296), (Start: 8 @50398 has 1 MA's), (15, 50533), (16, 50539), (19, 50578), (25, 50692), (29, 50746), (32, 50818), (33, 50827), (35, 50836), (38, 50911),

Gene: Nova53_112 Start: 76750, Stop: 77208, Start Num: 12
Candidate Starts for Nova53_112:
(5, 76693), (6, 76702), (7, 76705), (Start: 12 @76750 has 1 MA's), (18, 76885), (21, 76915), (24, 76978), (26, 77011), (27, 77023), (28, 77029), (31, 77098), (34, 77131), (37, 77152),

Gene: SFuller_80 Start: 48187, Stop: 48732, Start Num: 10
Candidate Starts for SFuller_80:
(2, 48085), (3, 48094), (9, 48175), (10, 48187), (14, 48274), (15, 48307), (16, 48313), (23, 48421), (29, 48520), (32, 48592), (33, 48601), (35, 48610), (38, 48685),

Gene: Shagrat_74 Start: 43582, Stop: 44052, Start Num: 13
Candidate Starts for Shagrat_74:
(4, 43498), (Start: 13 @43582 has 1 MA's), (17, 43672), (20, 43723), (22, 43756), (30, 43849), (36, 43933), (38, 44005),