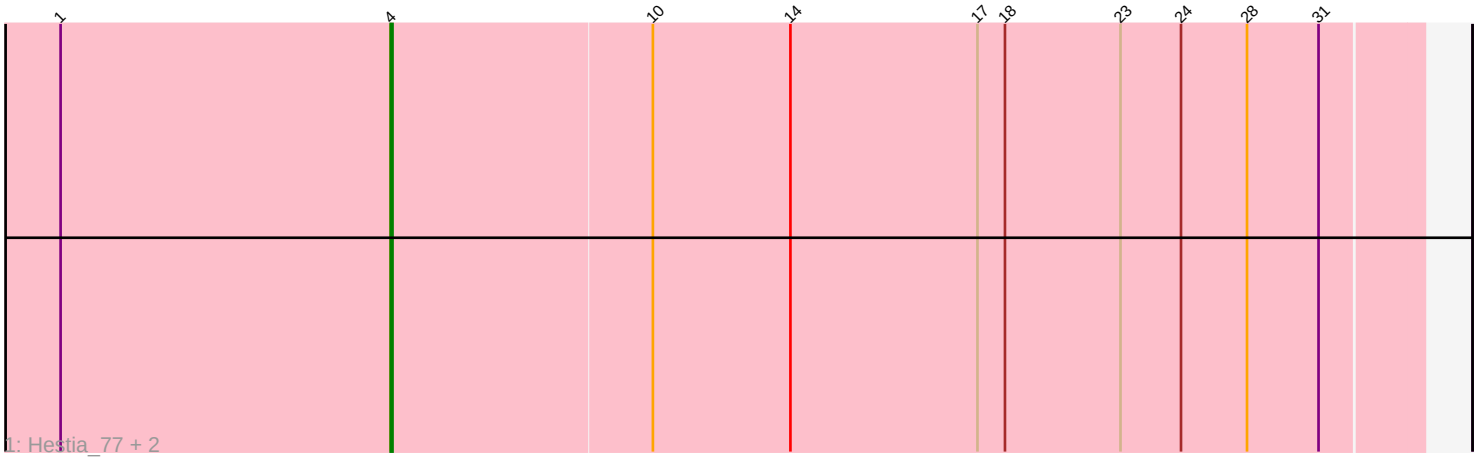
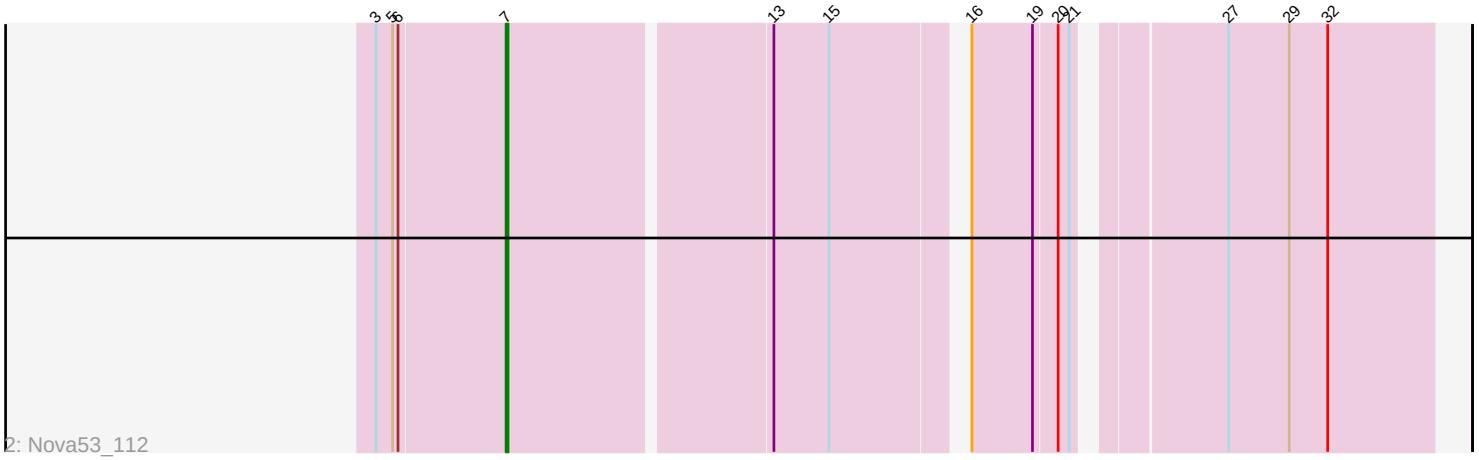
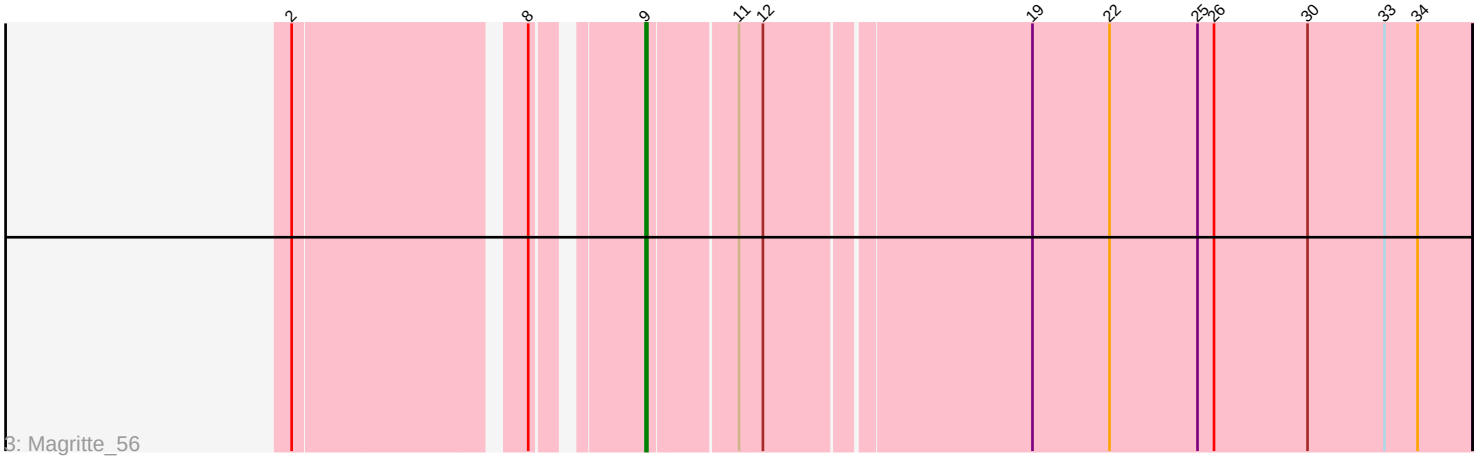
Pham 346600


1
4
10
14
17
18
23
24
28
31
1: Hestia_77 + 2


3
5
6
7
13
15
16
19
20
21
27
29
32
2: Nova53_112


2
8
9
11
12
19
22
25
26
30
33
34
3: Magritte_56

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 346600 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346600 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hestia_77, MaterMagnus_83, Aikyam_82
• Track 2 : Nova53_112
• Track 3 : Magritte_56

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikyam_82, Hestia_77, MaterMagnus_83,

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

Genes that do not have the "Most Annotated" start:
• Magritte_56, Nova53_112,

Summary by start number:

Start 4:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_82 (AY), Hestia_77 (AY), MaterMagnus_83 (AY),

Start 7:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nova53_112 (CG),

Start 9:

• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Magritte_56 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: AY, singleton, CG,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster CG:
•Start number 7 was manually annotated 1 time for cluster CG.

Gene Information:

Gene: Aikyam_82 Start: 45399, Stop: 45956, Start Num: 4
Candidate Starts for Aikyam_82:
(1, 45219), (Start: 4 @45399 has 2 MA's), (10, 45540), (14, 45615), (17, 45717), (18, 45732), (23, 45795), (24, 45828), (28, 45864), (31, 45903),

Gene: Hestia_77 Start: 44735, Stop: 45292, Start Num: 4
Candidate Starts for Hestia_77:
(1, 44555), (Start: 4 @44735 has 2 MA's), (10, 44876), (14, 44951), (17, 45053), (18, 45068), (23, 45131), (24, 45164), (28, 45200), (31, 45239),

Gene: Magritte_56 Start: 52150, Stop: 52584, Start Num: 9
Candidate Starts for Magritte_56:
(2, 51988), (8, 52102), (Start: 9 @52150 has 1 MA's), (11, 52195), (12, 52207), (19, 52345), (22, 52387), (25, 52435), (26, 52444), (30, 52495), (33, 52537), (34, 52555),

Gene: MaterMagnus_83 Start: 47571, Stop: 48128, Start Num: 4
Candidate Starts for MaterMagnus_83:
(1, 47391), (Start: 4 @47571 has 2 MA's), (10, 47712), (14, 47787), (17, 47889), (18, 47904), (23, 47967), (24, 48000), (28, 48036), (31, 48075),

Gene: Nova53_112 Start: 76750, Stop: 77208, Start Num: 7
Candidate Starts for Nova53_112:
(3, 76693), (5, 76702), (6, 76705), (Start: 7 @76750 has 1 MA's), (13, 76885), (15, 76915), (16, 76978), (19, 77011), (20, 77023), (21, 77029), (27, 77098), (29, 77131), (32, 77152),