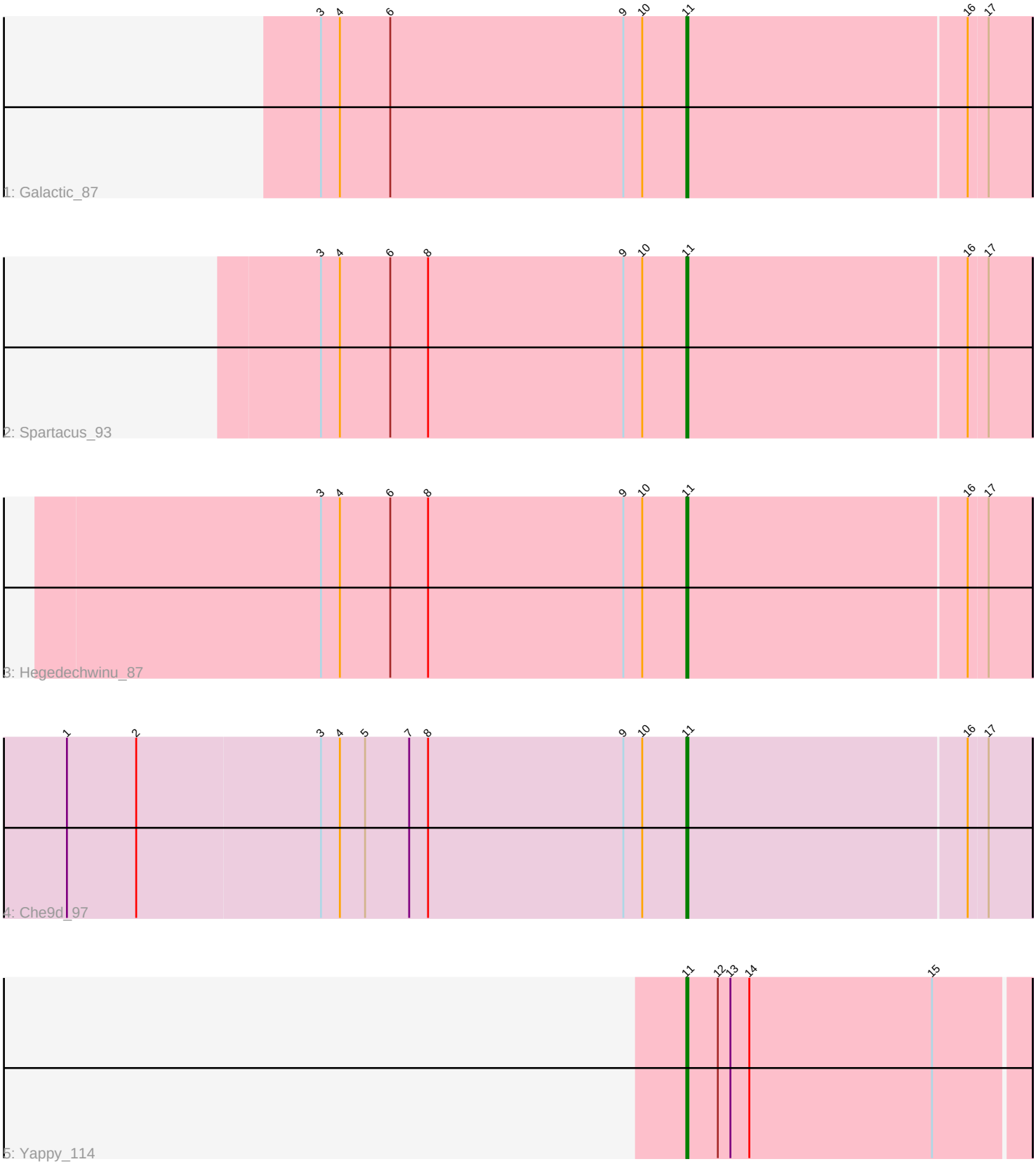
Pham 201050


3
4
6
9
10
11
16
17
1: Galactic_87
3
4
6
8
9
10
11
16
17
2: Spartacus_93
3
4
6
8
9
10
11
16
17
3: Hegedechwinu_87
1
2
3
4
5
7
8
9
10
11
16
17
4: Che9d_97
11
12
13
14
15
5: Yappy_114

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 201050 Report

This analysis was run 01/18/25 on database version 583.

Pham number 201050 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Galactic_87
• Track 2 : Spartacus_93
• Track 3 : Hegedechwinu_87
• Track 4 : Che9d_97
• Track 5 : Yappy_114

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

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

Genes that call this "Most Annotated" start:
• Che9d_97, Galactic_87, Hegedechwinu_87, Spartacus_93, Yappy_114,

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

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

Summary by start number:

Start 11:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che9d_97 (F2), Galactic_87 (F1), Hegedechwinu_87 (F1), Spartacus_93 (F1), Yappy_114 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: F1, singleton, F2,

Info for manual annotations of cluster F1:

•Start number 11 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 11 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Che9d_97 Start: 50270, Stop: 50431, Start Num: 11
Candidate Starts for Che9d_97:
(1, 49976), (2, 50009), (3, 50096), (4, 50105), (5, 50117), (7, 50138), (8, 50147), (9, 50240), (10, 50249), (Start: 11 @50270 has 5 MA's), (16, 50402), (17, 50411),

Gene: Galactic_87 Start: 50180, Stop: 50341, Start Num: 11
Candidate Starts for Galactic_87:
(3, 50006), (4, 50015), (6, 50039), (9, 50150), (10, 50159), (Start: 11 @50180 has 5 MA's), (16, 50312), (17, 50321),

Gene: Hegedechwinu_87 Start: 49279, Stop: 49440, Start Num: 11
Candidate Starts for Hegedechwinu_87:
(3, 49105), (4, 49114), (6, 49138), (8, 49156), (9, 49249), (10, 49258), (Start: 11 @49279 has 5 MA's), (16, 49411), (17, 49420),

Gene: Spartacus_93 Start: 53156, Stop: 53317, Start Num: 11
Candidate Starts for Spartacus_93:
(3, 52982), (4, 52991), (6, 53015), (8, 53033), (9, 53126), (10, 53135), (Start: 11 @53156 has 5 MA's), (16, 53288), (17, 53297),

Gene: Yappy_114 Start: 57403, Stop: 57242, Start Num: 11
Candidate Starts for Yappy_114:
(Start: 11 @57403 has 5 MA's), (12, 57388), (13, 57382), (14, 57373), (15, 57286),