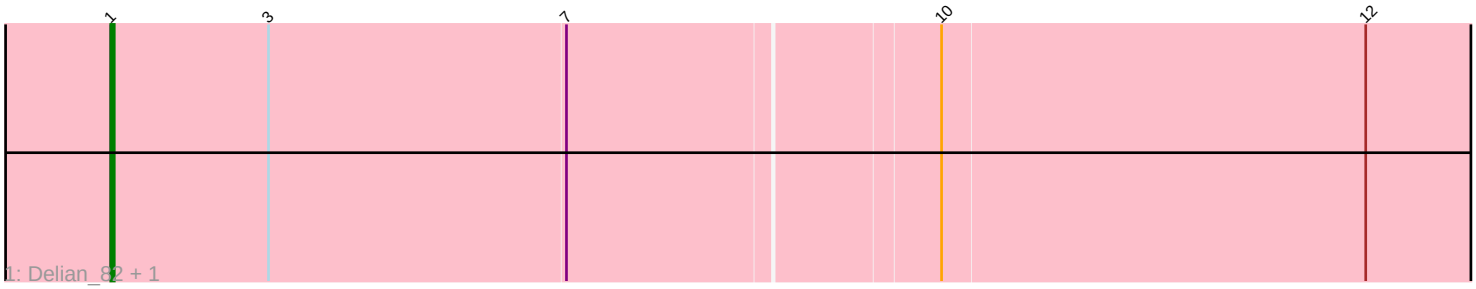
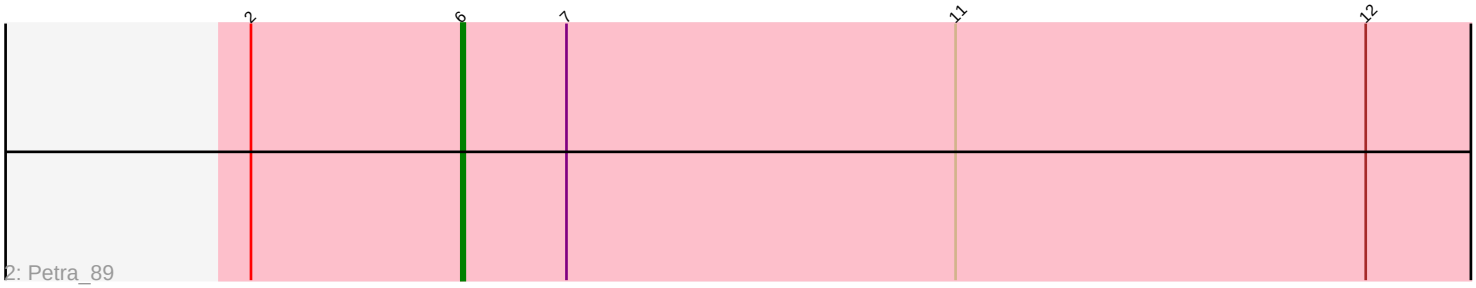
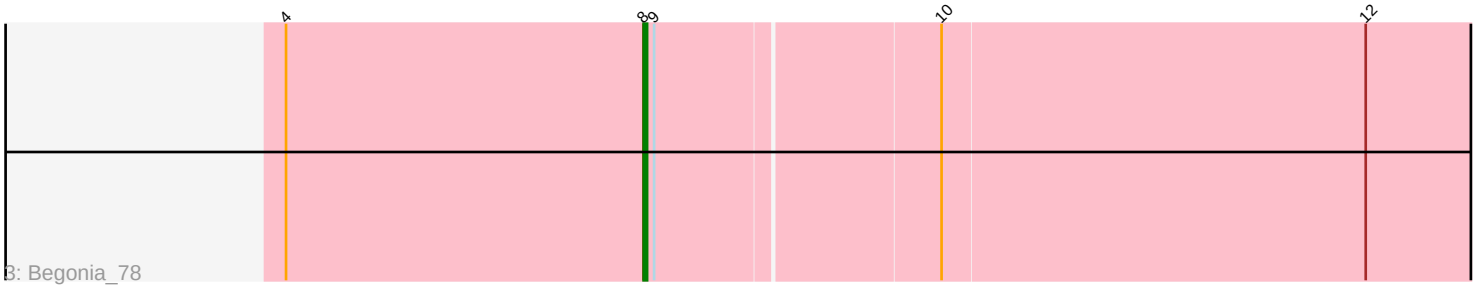
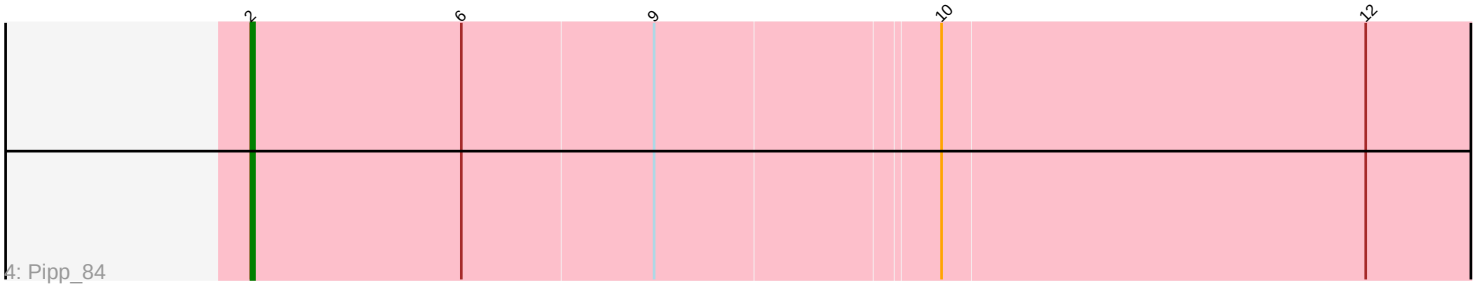
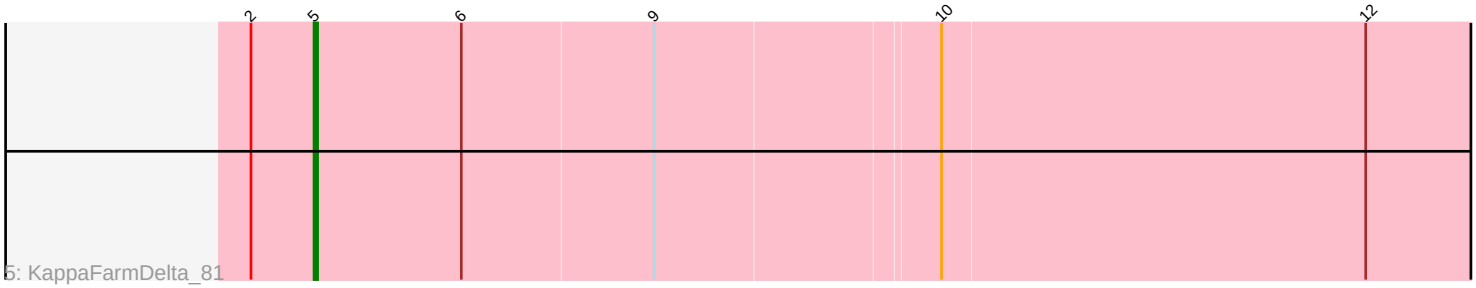
Pham 348414


1
3
7
10
12
1: Delian_82 + 1


2
6
7
11
12
2: Petra_89


4
8
9
10
12
3: Begonia_78


2
6
9
10
12
4: Pipp_84


2
5
6
9
10
12
5: KappaFarmDelta_81

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 348414 Report

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

Pham number 348414 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Delian_82, MintFen_79
• Track 2 : Petra_89
• Track 3 : Begonia_78
• Track 4 : Pipp_84
• Track 5 : KappaFarmDelta_81

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

The start number called the most often in the published annotations is 1, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Delian_82, MintFen_79,

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

Genes that do not have the "Most Annotated" start:
• Begonia_78, KappaFarmDelta_81, Petra_89, Pipp_84,

Summary by start number:

Start 1:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Delian_82 (CV), MintFen_79 (CV),

Start 2:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Pipp_84 (CV),

Start 5:
• Found in 1 of 6 (16.7%) 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: KappaFarmDelta_81 (CV),

Start 6:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Petra_89 (CV),

Start 8:
• Found in 1 of 6 (16.7%) 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: Begonia_78 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 1 was manually annotated 2 times for cluster CV.
•Start number 2 was manually annotated 1 time for cluster CV.
•Start number 5 was manually annotated 1 time for cluster CV.
•Start number 6 was manually annotated 1 time for cluster CV.
•Start number 8 was manually annotated 1 time for cluster CV.

Gene Information:

Gene: Begonia_78 Start: 50356, Stop: 50799, Start Num: 8
Candidate Starts for Begonia_78:
(4, 50254), (Start: 8 @50356 has 1 MA's), (9, 50359), (10, 50437), (12, 50557),

Gene: Delian_82 Start: 47235, Stop: 47828, Start Num: 1
Candidate Starts for Delian_82:
(Start: 1 @47235 has 2 MA's), (3, 47280), (7, 47364), (10, 47466), (12, 47586),

Gene: KappaFarmDelta_81 Start: 49002, Stop: 49538, Start Num: 5
Candidate Starts for KappaFarmDelta_81:
(Start: 2 @48984 has 1 MA's), (Start: 5 @49002 has 1 MA's), (Start: 6 @49044 has 1 MA's), (9, 49098), (10, 49176), (12, 49296),

Gene: MintFen_79 Start: 47851, Stop: 48444, Start Num: 1
Candidate Starts for MintFen_79:
(Start: 1 @47851 has 2 MA's), (3, 47896), (7, 47980), (10, 48082), (12, 48202),

Gene: Petra_89 Start: 51712, Stop: 52221, Start Num: 6
Candidate Starts for Petra_89:
(Start: 2 @51652 has 1 MA's), (Start: 6 @51712 has 1 MA's), (7, 51742), (11, 51853), (12, 51970),

Gene: Pipp_84 Start: 50248, Stop: 50802, Start Num: 2
Candidate Starts for Pipp_84:
(Start: 2 @50248 has 1 MA's), (Start: 6 @50308 has 1 MA's), (9, 50362), (10, 50440), (12, 50560),