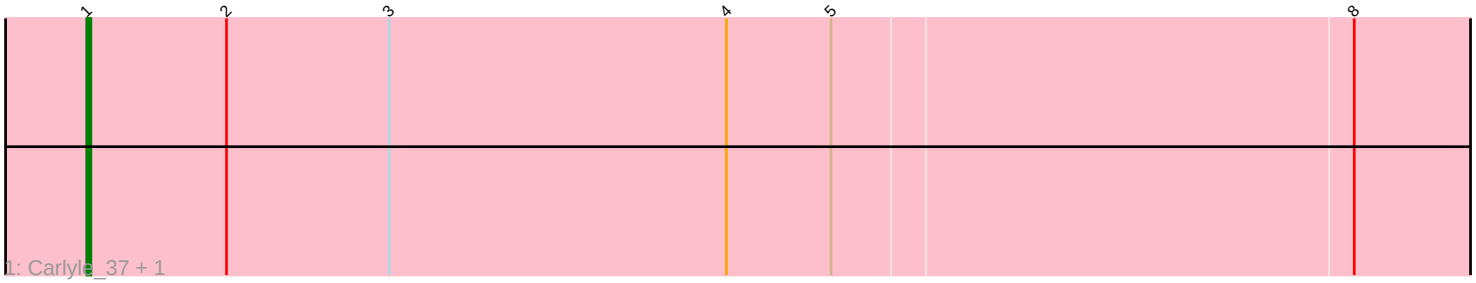
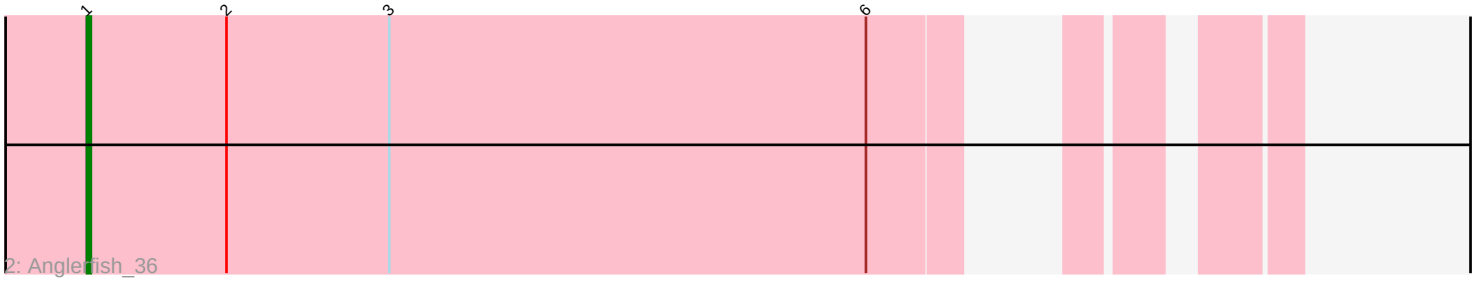
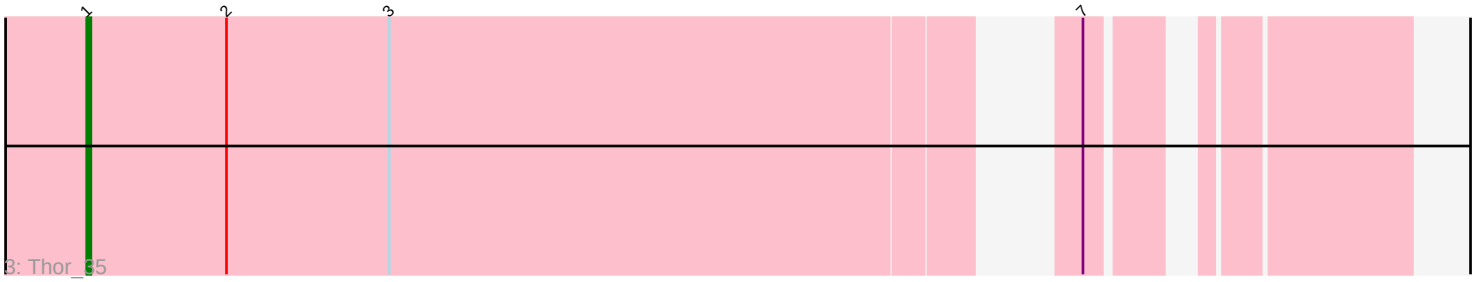
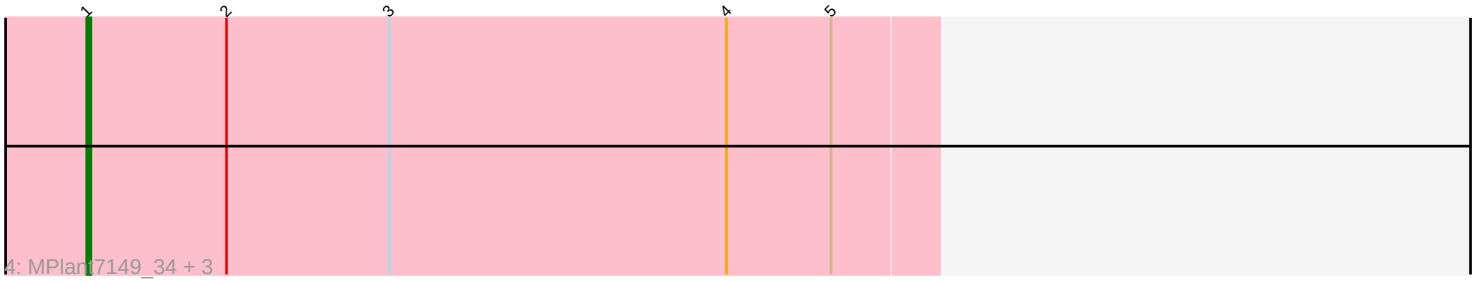
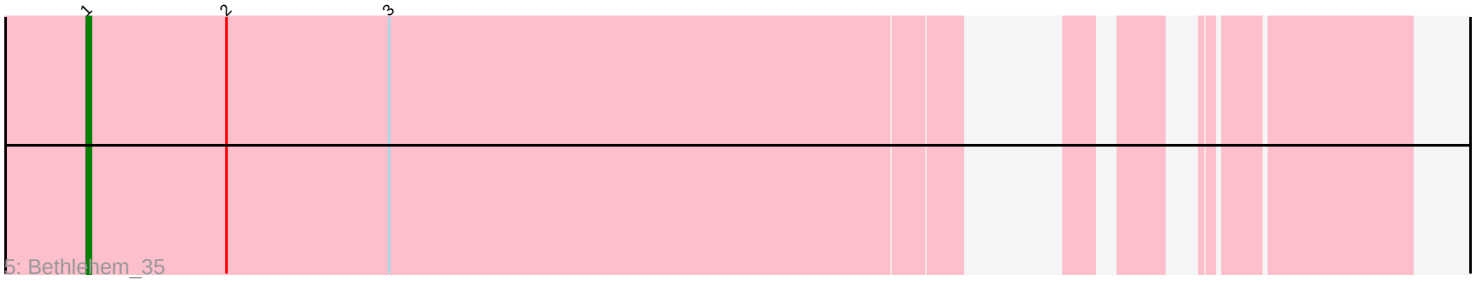
Pham 341280


1
2
3
4
5
8
1: Carlyle_37 + 1


1
2
3
6
2: Anglerfish_36


1
2
3
7
3: Thor_35


1
2
3
4
5
4: MPlant7149_34 + 3


1
2
3
5: Bethlehem_35

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 341280 Report

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

Pham number 341280 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Carlyle_37, Target_38
• Track 2 : Anglerfish_36
• Track 3 : Thor_35
• Track 4 : MPlant7149_34, Ajay_36, PacerPaul_35, Oogway_34
• Track 5 : Bethlehem_35

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ajay_36, Anglerfish_36, Bethlehem_35, Carlyle_37, MPlant7149_34, Oogway_34, PacerPaul_35, Target_38, Thor_35,

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 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ajay_36 (A1), Anglerfish_36 (A1), Bethlehem_35 (A1), Carlyle_37 (A1), MPlant7149_34 (A1), Oogway_34 (A1), PacerPaul_35 (A1), Target_38 (A1), Thor_35 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 9 times for cluster A1.

Gene Information:

Gene: Ajay_36 Start: 28566, Stop: 28922, Start Num: 1
Candidate Starts for Ajay_36:
(Start: 1 @28566 has 9 MA's), (2, 28602), (3, 28644), (4, 28731), (5, 28758),

Gene: Anglerfish_36 Start: 28770, Stop: 29042, Start Num: 1
Candidate Starts for Anglerfish_36:
(Start: 1 @28770 has 9 MA's), (2, 28806), (3, 28848), (6, 28971),

Gene: Bethlehem_35 Start: 29311, Stop: 29604, Start Num: 1
Candidate Starts for Bethlehem_35:
(Start: 1 @29311 has 9 MA's), (2, 29347), (3, 29389),

Gene: Carlyle_37 Start: 28848, Stop: 29240, Start Num: 1
Candidate Starts for Carlyle_37:
(Start: 1 @28848 has 9 MA's), (2, 28884), (3, 28926), (4, 29013), (5, 29040), (8, 29172),

Gene: MPlant7149_34 Start: 27574, Stop: 27792, Start Num: 1
Candidate Starts for MPlant7149_34:
(Start: 1 @27574 has 9 MA's), (2, 27610), (3, 27652), (4, 27739), (5, 27766),

Gene: Oogway_34 Start: 28028, Stop: 28390, Start Num: 1
Candidate Starts for Oogway_34:
(Start: 1 @28028 has 9 MA's), (2, 28064), (3, 28106), (4, 28193), (5, 28220),

Gene: PacerPaul_35 Start: 28260, Stop: 28559, Start Num: 1
Candidate Starts for PacerPaul_35:
(Start: 1 @28260 has 9 MA's), (2, 28296), (3, 28338), (4, 28425), (5, 28452),

Gene: Target_38 Start: 29550, Stop: 29876, Start Num: 1
Candidate Starts for Target_38:
(Start: 1 @29550 has 9 MA's), (2, 29586), (3, 29628), (4, 29715), (5, 29742), (8, 29808),

Gene: Thor_35 Start: 28155, Stop: 28457, Start Num: 1
Candidate Starts for Thor_35:
(Start: 1 @28155 has 9 MA's), (2, 28191), (3, 28233), (7, 28389),