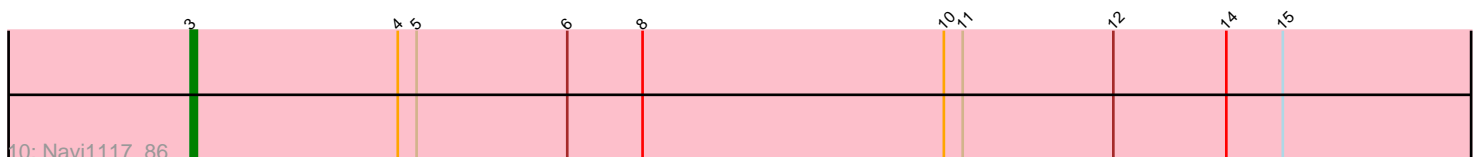
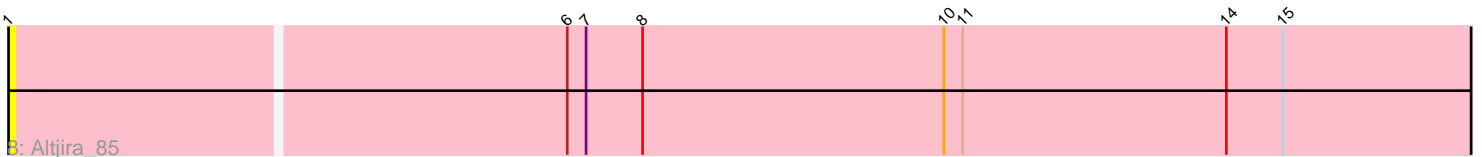
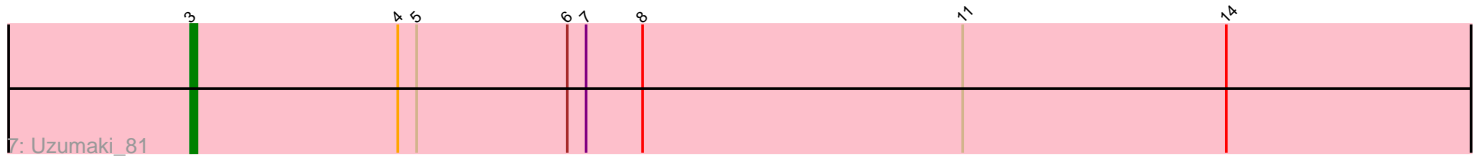
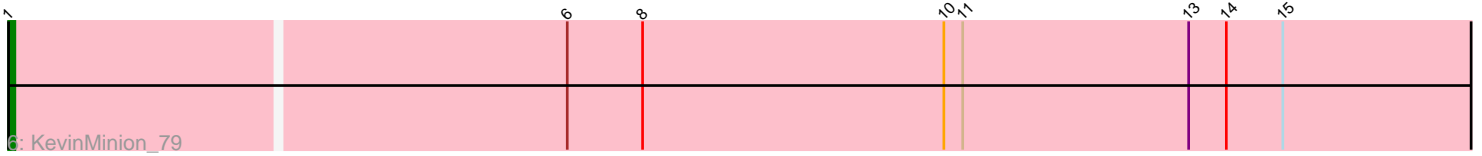
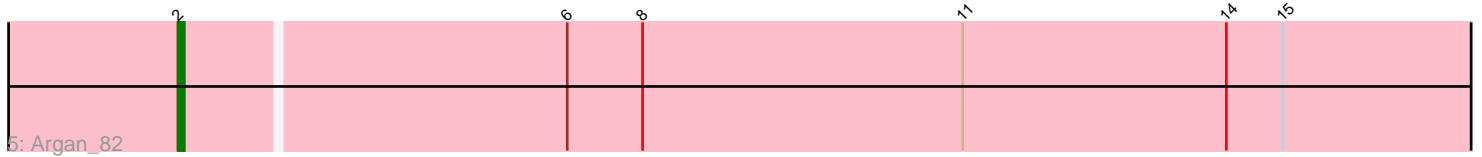
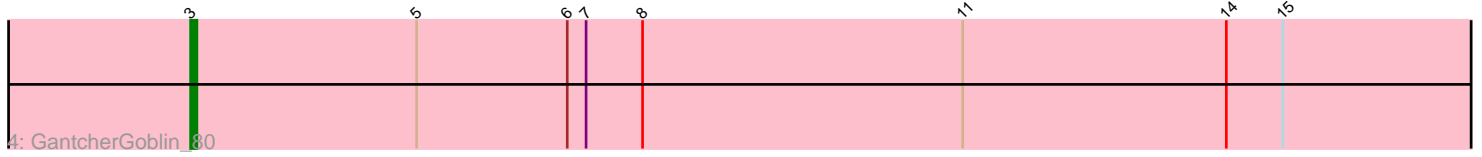
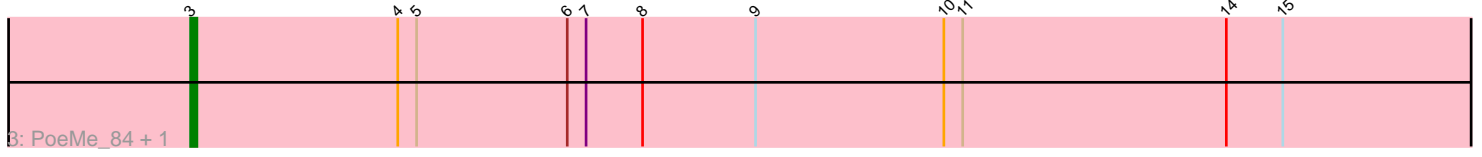
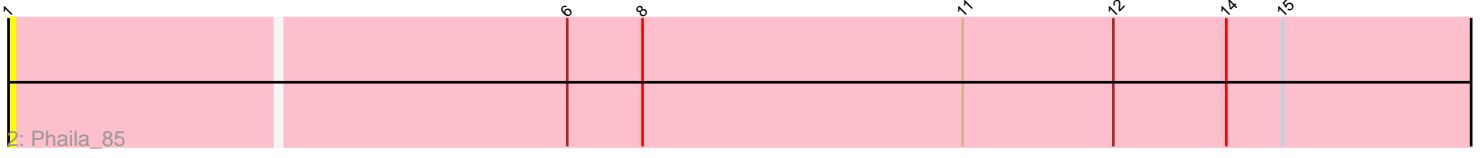
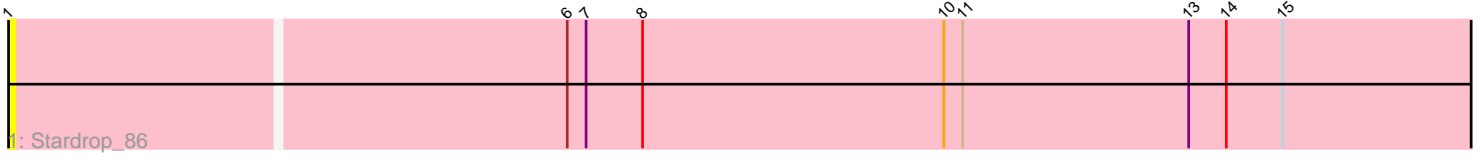


Pham 293351



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 293351 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293351 has 11 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Stardrop_86
- Track 2 : Phaila_85
- Track 3 : PoeMe_84, Zeina_84
- Track 4 : GantcherGoblin_80
- Track 5 : Argan_82
- Track 6 : KevinMinion_79
- Track 7 : Uzumaki_81
- Track 8 : Altjira_85
- Track 9 : Mardi_84
- Track 10 : Navi1117_86

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GantcherGoblin_80, Mardi_84, Navi1117_86, PoeMe_84, Uzumaki_81, Zeina_84,

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

-

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

- Altjira_85, Argan_82, KevinMinion_79, Phaila_85, Stardrop_86,

Summary by start number:

Start 1:

- Found in 4 of 11 (36.4%) 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: Altjira_85 (AU6), KevinMinion_79 (AU6), Phaila_85 (AU6), Stardrop_86 (AU6),

Start 2:

- Found in 1 of 11 (9.1%) 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: Argan_82 (AU6),

Start 3:

- Found in 6 of 11 (54.5%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GantcherGoblin_80 (AU6), Mardi_84 (AU6), Navi1117_86 (AU6), PoeMe_84 (AU6), Uzumaki_81 (AU6), Zeina_84 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 1 was manually annotated 1 time for cluster AU6.
- Start number 2 was manually annotated 1 time for cluster AU6.
- Start number 3 was manually annotated 4 times for cluster AU6.

Gene Information:

Gene: Altjira_85 Start: 49900, Stop: 50166, Start Num: 1

Candidate Starts for Altjira_85:

(Start: 1 @49900 has 1 MA's), (6, 49987), (7, 49990), (8, 49999), (10, 50047), (11, 50050), (14, 50092), (15, 50101),

Gene: Argan_82 Start: 48814, Stop: 49053, Start Num: 2

Candidate Starts for Argan_82:

(Start: 2 @48814 has 1 MA's), (6, 48874), (8, 48886), (11, 48937), (14, 48979), (15, 48988),

Gene: GantcherGoblin_80 Start: 48628, Stop: 48867, Start Num: 3

Candidate Starts for GantcherGoblin_80:

(Start: 3 @48628 has 4 MA's), (5, 48664), (6, 48688), (7, 48691), (8, 48700), (11, 48751), (14, 48793), (15, 48802),

Gene: KevinMinion_79 Start: 49418, Stop: 49684, Start Num: 1

Candidate Starts for KevinMinion_79:

(Start: 1 @49418 has 1 MA's), (6, 49505), (8, 49517), (10, 49565), (11, 49568), (13, 49604), (14, 49610), (15, 49619),

Gene: Mardi_84 Start: 49620, Stop: 49859, Start Num: 3

Candidate Starts for Mardi_84:

(Start: 3 @49620 has 4 MA's), (4, 49653), (5, 49656), (6, 49680), (7, 49683), (8, 49692), (10, 49740), (11, 49743), (14, 49785), (15, 49794),

Gene: Navi1117_86 Start: 50186, Stop: 50425, Start Num: 3

Candidate Starts for Navi1117_86:

(Start: 3 @50186 has 4 MA's), (4, 50219), (5, 50222), (6, 50246), (8, 50258), (10, 50306), (11, 50309), (12, 50333), (14, 50351), (15, 50360),

Gene: Phaila_85 Start: 49012, Stop: 49278, Start Num: 1

Candidate Starts for Phaila_85:

(Start: 1 @49012 has 1 MA's), (6, 49099), (8, 49111), (11, 49162), (12, 49186), (14, 49204), (15, 49213),

Gene: PoeMe_84 Start: 49612, Stop: 49851, Start Num: 3

Candidate Starts for PoeMe_84:

(Start: 3 @49612 has 4 MA's), (4, 49645), (5, 49648), (6, 49672), (7, 49675), (8, 49684), (9, 49702), (10, 49732), (11, 49735), (14, 49777), (15, 49786),

Gene: Stardrop_86 Start: 49574, Stop: 49840, Start Num: 1

Candidate Starts for Stardrop_86:

(Start: 1 @49574 has 1 MA's), (6, 49661), (7, 49664), (8, 49673), (10, 49721), (11, 49724), (13, 49760), (14, 49766), (15, 49775),

Gene: Uzumaki_81 Start: 48596, Stop: 48835, Start Num: 3

Candidate Starts for Uzumaki_81:

(Start: 3 @48596 has 4 MA's), (4, 48629), (5, 48632), (6, 48656), (7, 48659), (8, 48668), (11, 48719), (14, 48761),

Gene: Zeina_84 Start: 48968, Stop: 49207, Start Num: 3

Candidate Starts for Zeina_84:

(Start: 3 @48968 has 4 MA's), (4, 49001), (5, 49004), (6, 49028), (7, 49031), (8, 49040), (9, 49058), (10, 49088), (11, 49091), (14, 49133), (15, 49142),