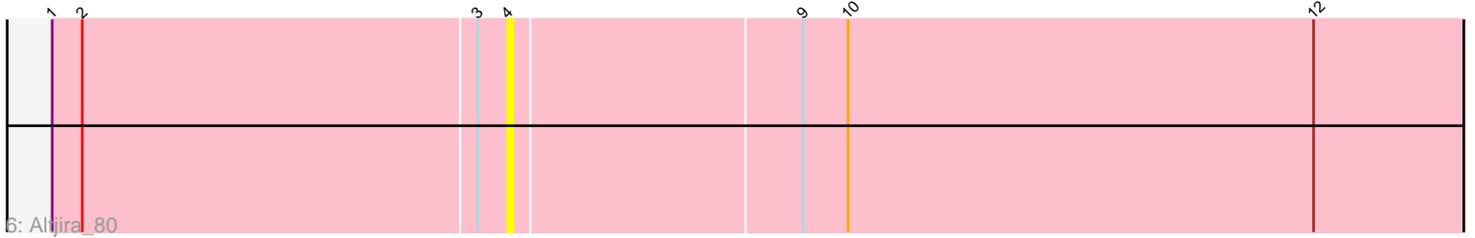
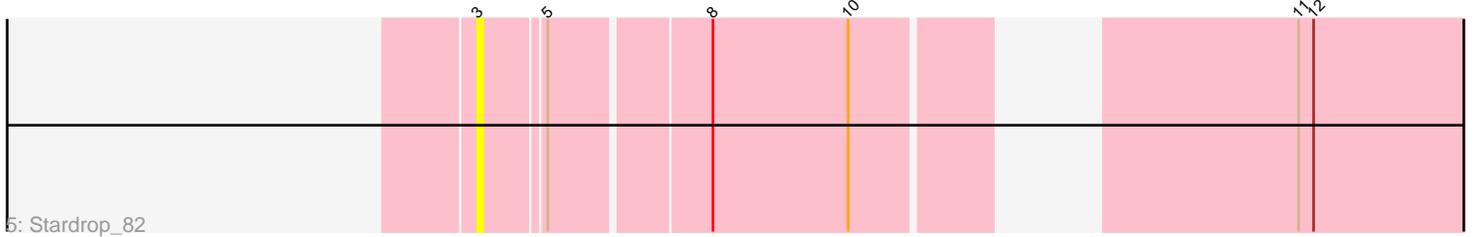
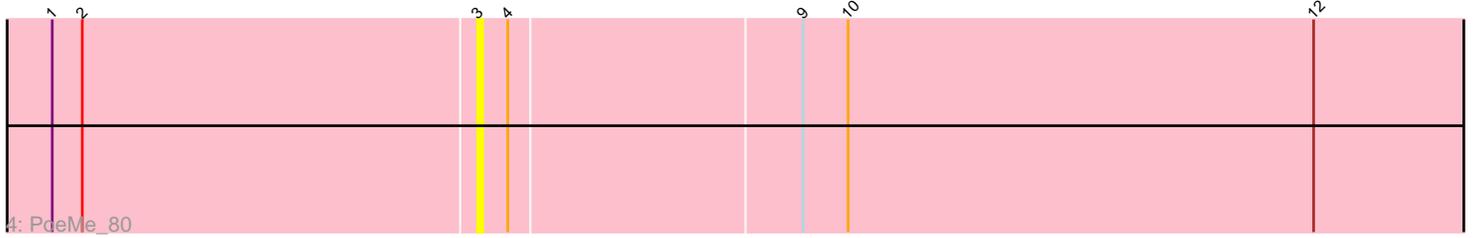
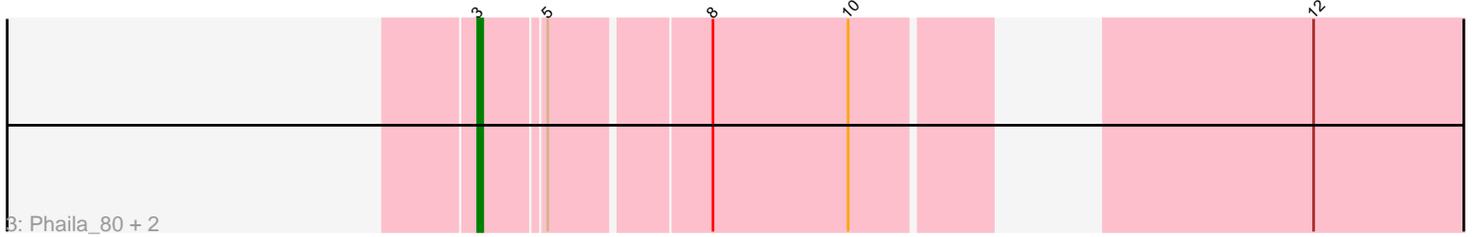
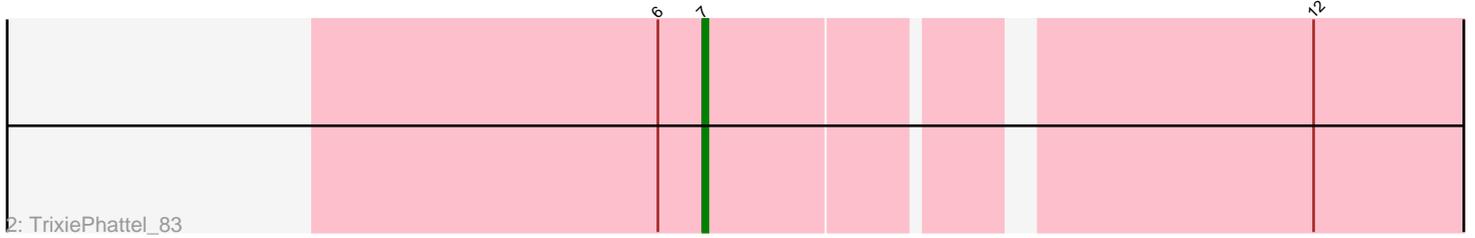
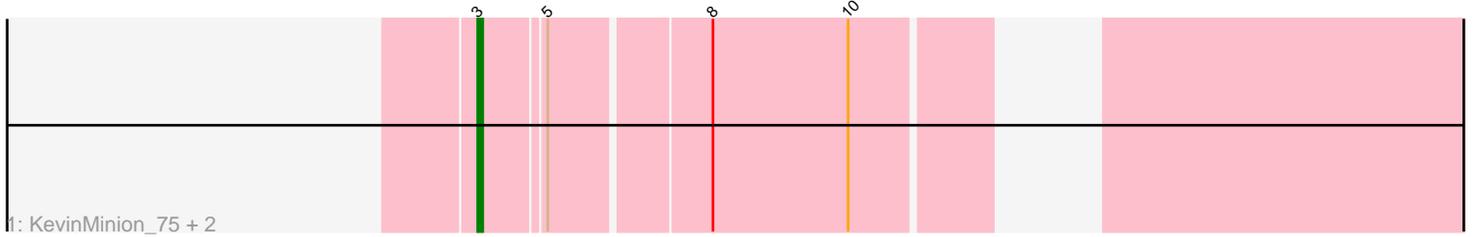


Pham 284414



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 284414 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284414 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : KevinMinion_75, GantcherGoblin_76, Tenney120_80
- Track 2 : TrixiePhattel_83
- Track 3 : Phaila_80, Argan_77, Navi1117_82
- Track 4 : PoeMe_80
- Track 5 : Stardrop_82
- Track 6 : Altjira_80

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_77, GantcherGoblin_76, KevinMinion_75, Navi1117_82, Phaila_80, PoeMe_80, Stardrop_82, Tenney120_80,

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

- Altjira_80,

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

- TrixiePhattel_83,

Summary by start number:

Start 3:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Argan_77 (AU6), GantcherGoblin_76 (AU6), KevinMinion_75 (AU6), Navi1117_82 (AU6), Phaila_80 (AU6), PoeMe_80 (AU6), Stardrop_82 (AU6), Tenney120_80 (AU6),

Start 4:

- Found in 2 of 10 (20.0%) of genes in pham

- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Altjira_80 (AU6),

Start 7:

- Found in 1 of 10 (10.0%) 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: TrixiePhattel_83 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 3 was manually annotated 5 times for cluster AU6.
- Start number 7 was manually annotated 1 time for cluster AU6.

Gene Information:

Gene: Altjira_80 Start: 48667, Stop: 48879, Start Num: 4

Candidate Starts for Altjira_80:

(1, 48577), (2, 48583), (Start: 3 @48661 has 5 MA's), (4, 48667), (9, 48724), (10, 48733), (12, 48826),

Gene: Argan_77 Start: 47252, Stop: 47443, Start Num: 3

Candidate Starts for Argan_77:

(Start: 3 @47252 has 5 MA's), (5, 47264), (8, 47294), (10, 47321), (12, 47390),

Gene: GantcherGoblin_76 Start: 47413, Stop: 47604, Start Num: 3

Candidate Starts for GantcherGoblin_76:

(Start: 3 @47413 has 5 MA's), (5, 47425), (8, 47455), (10, 47482),

Gene: KevinMinion_75 Start: 48203, Stop: 48394, Start Num: 3

Candidate Starts for KevinMinion_75:

(Start: 3 @48203 has 5 MA's), (5, 48215), (8, 48245), (10, 48272),

Gene: Navi1117_82 Start: 48959, Stop: 49150, Start Num: 3

Candidate Starts for Navi1117_82:

(Start: 3 @48959 has 5 MA's), (5, 48971), (8, 49001), (10, 49028), (12, 49097),

Gene: Phaila_80 Start: 47433, Stop: 47624, Start Num: 3

Candidate Starts for Phaila_80:

(Start: 3 @47433 has 5 MA's), (5, 47445), (8, 47475), (10, 47502), (12, 47571),

Gene: PoeMe_80 Start: 48361, Stop: 48579, Start Num: 3

Candidate Starts for PoeMe_80:

(1, 48277), (2, 48283), (Start: 3 @48361 has 5 MA's), (4, 48367), (9, 48424), (10, 48433), (12, 48526),

Gene: Stardrop_82 Start: 48365, Stop: 48556, Start Num: 3

Candidate Starts for Stardrop_82:

(Start: 3 @48365 has 5 MA's), (5, 48377), (8, 48407), (10, 48434), (11, 48500), (12, 48503),

Gene: Tenney120_80 Start: 48450, Stop: 48641, Start Num: 3
Candidate Starts for Tenney120_80:
(Start: 3 @48450 has 5 MA's), (5, 48462), (8, 48492), (10, 48519),

Gene: TrixiePhattel_83 Start: 48533, Stop: 48703, Start Num: 7
Candidate Starts for TrixiePhattel_83:
(6, 48524), (Start: 7 @48533 has 1 MA's), (12, 48644),