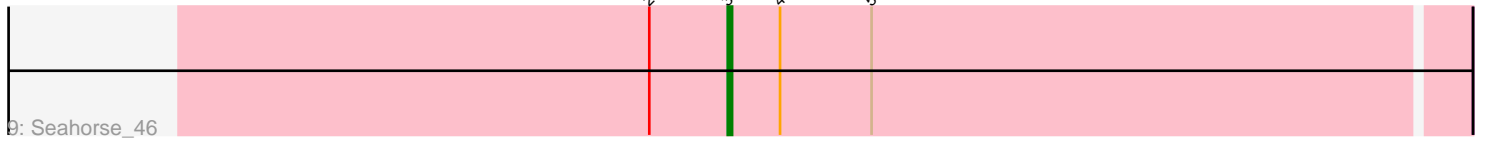
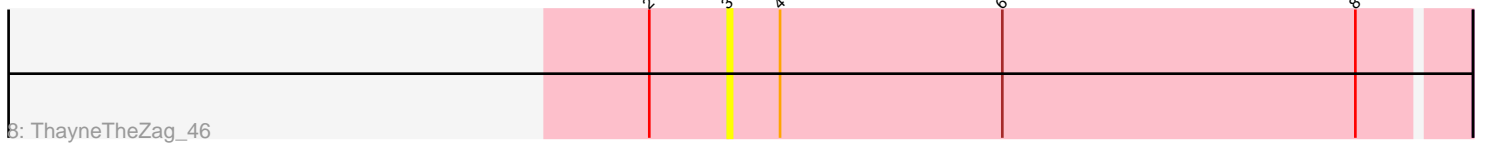
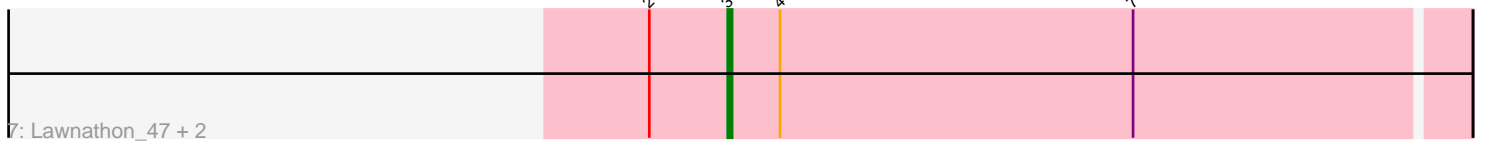
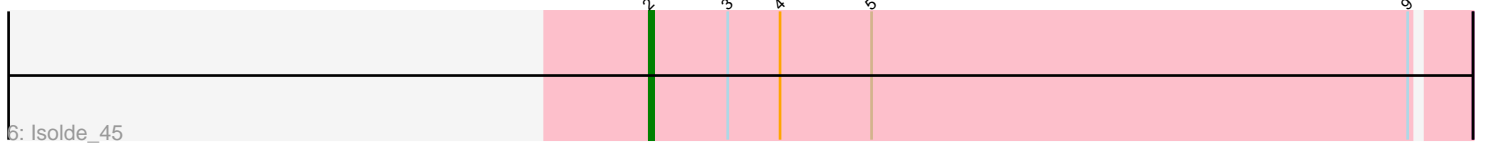
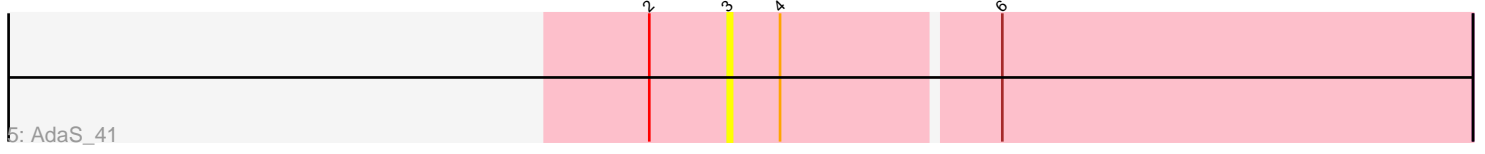
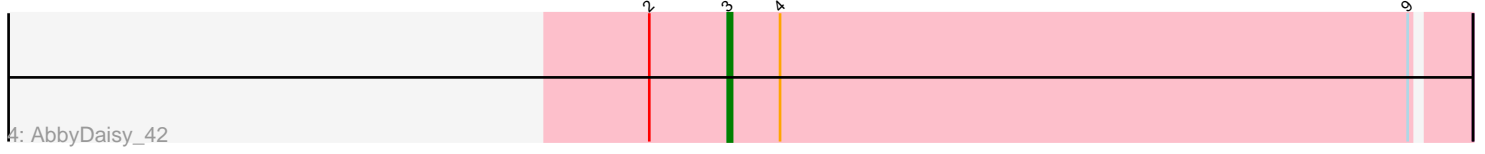
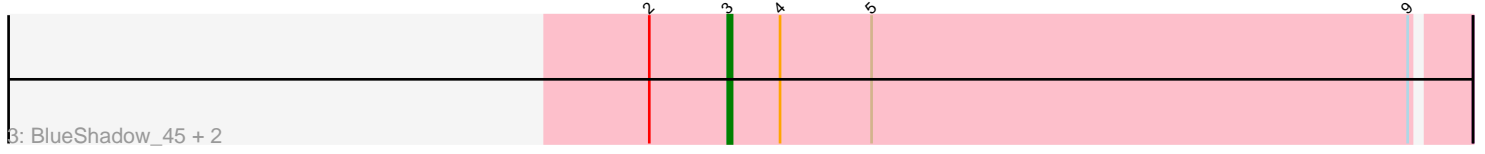
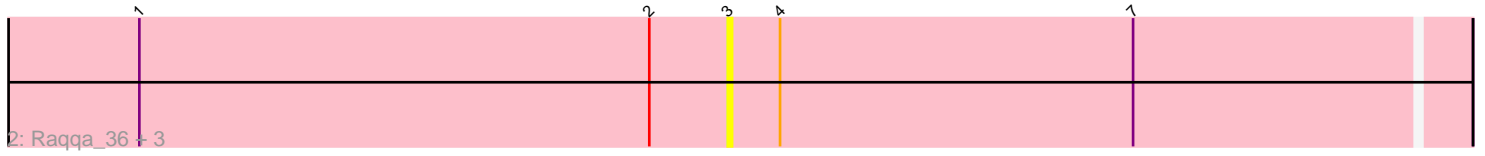
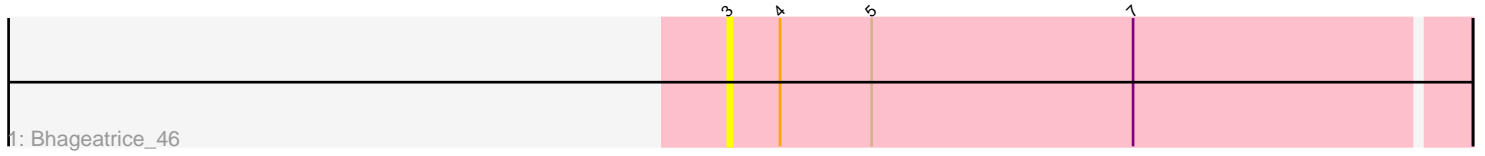


Pham 214697



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 214697 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214697 has 18 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Bhageatrice_46
- Track 2 : Raqqa_36, CookieBear_47, MUWow_43, Windest_46
- Track 3 : BlueShadow_45, BillyTP_48, MidnightRain_48
- Track 4 : AbbyDaisy_42
- Track 5 : AdaS_41
- Track 6 : Isolde_45
- Track 7 : Lawnathon_47, RadFad_47, Hillester_47
- Track 8 : ThayneTheZag_46
- Track 9 : Seahorse_46
- Track 10 : MaterMagnus_45, Aikyam_43

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:

- AbbyDaisy_42, AdaS_41, Aikyam_43, Bhageatrice_46, BillyTP_48, BlueShadow_45, CookieBear_47, Hillester_47, Lawnathon_47, MUWow_43, MaterMagnus_45, MidnightRain_48, RadFad_47, Raqqa_36, Seahorse_46, ThayneTheZag_46, Windest_46,

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

- Isolde_45,

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

-

Summary by start number:

Start 2:

- Found in 15 of 18 (83.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 6.7% of time when present

- Phage (with cluster) where this start called: Isolde_45 (AY),

Start 3:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 94.4% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_42 (AY), AdaS_41 (AY), Aikyam_43 (AY), Bhageatrice_46 (AY), BillyTP_48 (AY), BlueShadow_45 (AY), CookieBear_47 (AY), Hillester_47 (AY), Lawnathon_47 (AY), MUWow_43 (AY), MaterMagnus_45 (AY), MidnightRain_48 (AY), RadFad_47 (AY), Raqqa_36 (AY), Seahorse_46 (AY), ThayneTheZag_46 (AY), Windest_46 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:

- Start number 2 was manually annotated 1 time for cluster AY.
- Start number 3 was manually annotated 5 times for cluster AY.

Gene Information:

Gene: AbbyDaisy_42 Start: 29214, Stop: 29381, Start Num: 3

Candidate Starts for AbbyDaisy_42:

(Start: 2 @29196 has 1 MA's), (Start: 3 @29214 has 5 MA's), (4, 29226), (9, 29370),

Gene: AdaS_41 Start: 27614, Stop: 27781, Start Num: 3

Candidate Starts for AdaS_41:

(Start: 2 @27596 has 1 MA's), (Start: 3 @27614 has 5 MA's), (4, 27626), (6, 27674),

Gene: Aikyam_43 Start: 27229, Stop: 27399, Start Num: 3

Candidate Starts for Aikyam_43:

(Start: 3 @27229 has 5 MA's), (4, 27241),

Gene: Bhageatrice_46 Start: 31017, Stop: 31184, Start Num: 3

Candidate Starts for Bhageatrice_46:

(Start: 3 @31017 has 5 MA's), (4, 31029), (5, 31050), (7, 31110),

Gene: BillyTP_48 Start: 30945, Stop: 31112, Start Num: 3

Candidate Starts for BillyTP_48:

(Start: 2 @30927 has 1 MA's), (Start: 3 @30945 has 5 MA's), (4, 30957), (5, 30978), (9, 31101),

Gene: BlueShadow_45 Start: 29690, Stop: 29857, Start Num: 3

Candidate Starts for BlueShadow_45:

(Start: 2 @29672 has 1 MA's), (Start: 3 @29690 has 5 MA's), (4, 29702), (5, 29723), (9, 29846),

Gene: CookieBear_47 Start: 29567, Stop: 29734, Start Num: 3

Candidate Starts for CookieBear_47:

(1, 29432), (Start: 2 @29549 has 1 MA's), (Start: 3 @29567 has 5 MA's), (4, 29579), (7, 29660),

Gene: Hillester_47 Start: 30177, Stop: 30344, Start Num: 3

Candidate Starts for Hillester_47:

(Start: 2 @30159 has 1 MA's), (Start: 3 @30177 has 5 MA's), (4, 30189), (7, 30270),

Gene: Isolde_45 Start: 29500, Stop: 29685, Start Num: 2

Candidate Starts for Isolde_45:

(Start: 2 @29500 has 1 MA's), (Start: 3 @29518 has 5 MA's), (4, 29530), (5, 29551), (9, 29674),

Gene: Lawnathon_47 Start: 29629, Stop: 29796, Start Num: 3

Candidate Starts for Lawnathon_47:

(Start: 2 @29611 has 1 MA's), (Start: 3 @29629 has 5 MA's), (4, 29641), (7, 29722),

Gene: MUWow_43 Start: 29590, Stop: 29757, Start Num: 3

Candidate Starts for MUWow_43:

(1, 29455), (Start: 2 @29572 has 1 MA's), (Start: 3 @29590 has 5 MA's), (4, 29602), (7, 29683),

Gene: MaterMagnus_45 Start: 29401, Stop: 29571, Start Num: 3

Candidate Starts for MaterMagnus_45:

(Start: 3 @29401 has 5 MA's), (4, 29413),

Gene: MidnightRain_48 Start: 30778, Stop: 30945, Start Num: 3

Candidate Starts for MidnightRain_48:

(Start: 2 @30760 has 1 MA's), (Start: 3 @30778 has 5 MA's), (4, 30790), (5, 30811), (9, 30934),

Gene: RadFad_47 Start: 30177, Stop: 30344, Start Num: 3

Candidate Starts for RadFad_47:

(Start: 2 @30159 has 1 MA's), (Start: 3 @30177 has 5 MA's), (4, 30189), (7, 30270),

Gene: Raqqa_36 Start: 26463, Stop: 26630, Start Num: 3

Candidate Starts for Raqqa_36:

(1, 26328), (Start: 2 @26445 has 1 MA's), (Start: 3 @26463 has 5 MA's), (4, 26475), (7, 26556),

Gene: Seahorse_46 Start: 31168, Stop: 31335, Start Num: 3

Candidate Starts for Seahorse_46:

(Start: 2 @31150 has 1 MA's), (Start: 3 @31168 has 5 MA's), (4, 31180), (5, 31201),

Gene: ThayneTheZag_46 Start: 29493, Stop: 29660, Start Num: 3

Candidate Starts for ThayneTheZag_46:

(Start: 2 @29475 has 1 MA's), (Start: 3 @29493 has 5 MA's), (4, 29505), (6, 29556), (8, 29637),

Gene: Windest_46 Start: 28518, Stop: 28685, Start Num: 3

Candidate Starts for Windest_46:

(1, 28383), (Start: 2 @28500 has 1 MA's), (Start: 3 @28518 has 5 MA's), (4, 28530), (7, 28611),