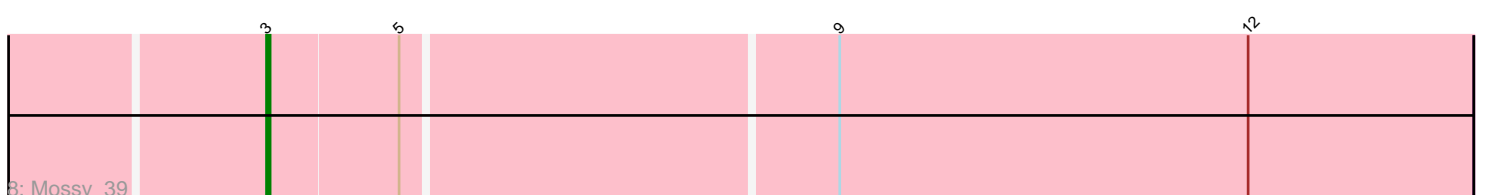
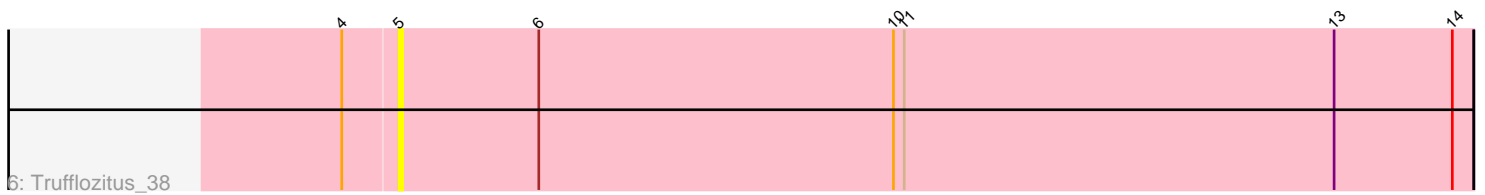
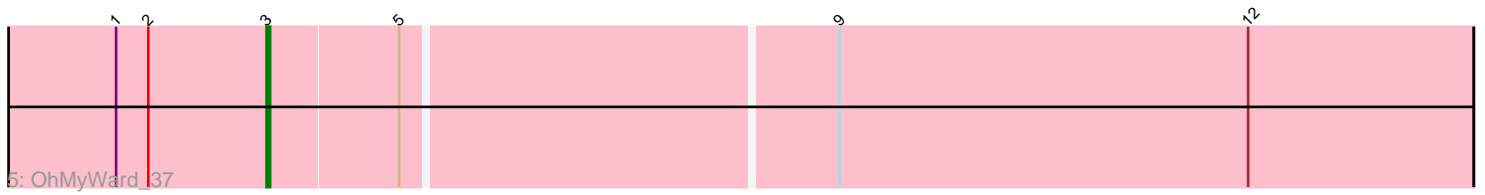
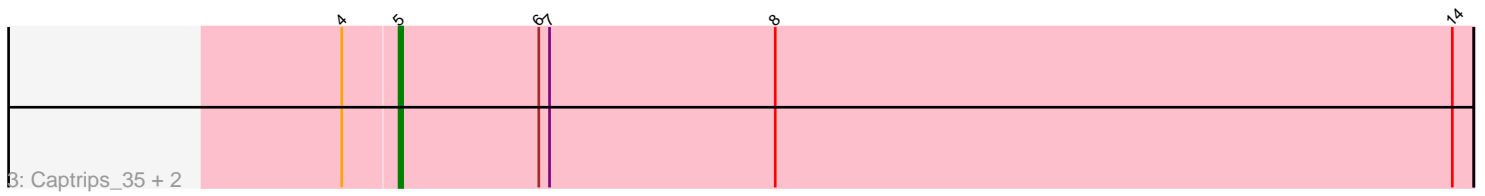
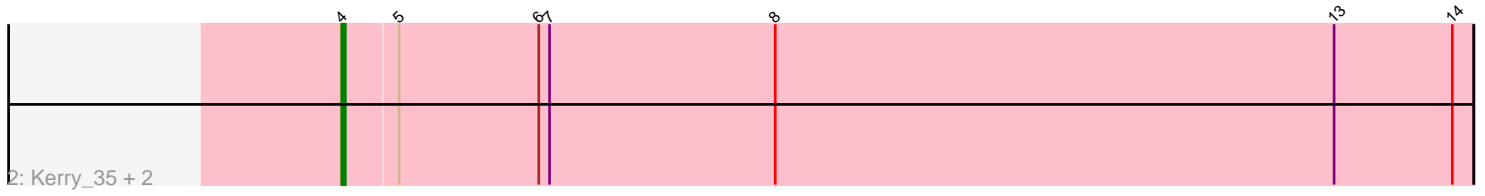
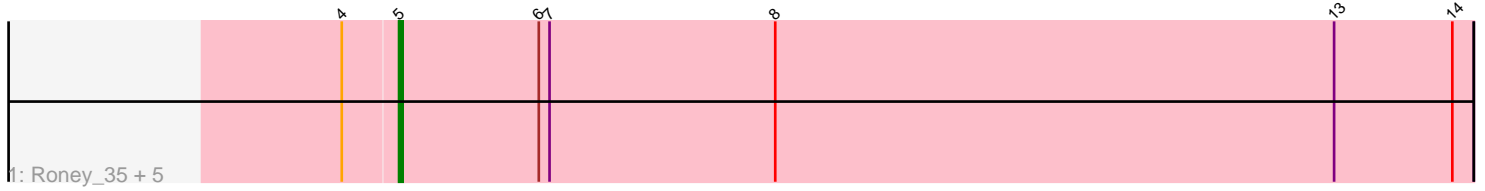


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 216606 Report

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

Pham number 216606 has 18 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Roney_35, Magel_36, NoPickles_35, Tanis_35, Gill_35, Capybara_35
- Track 2 : Kerry_35, Gravy_35, Odesza_35
- Track 3 : Captrips_35, JulesRay_37, Dancer_37
- Track 4 : FortCran_35, Artorias_35
- Track 5 : OhMyWard_37
- Track 6 : Trufflozitus_38
- Track 7 : Avazak_35
- Track 8 : Mossy_39

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_35, Captrips_35, Capybara_35, Dancer_37, FortCran_35, Gill_35, JulesRay_37, Magel_36, NoPickles_35, Roney_35, Tanis_35, Trufflozitus_38,

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

- Avazak_35, Gravy_35, Kerry_35, Mossy_39, Odesza_35, OhMyWard_37,

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

-

Summary by start number:

Start 3:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 2 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mossy_39 (DJ), OhMyWard_37 (DJ),

Start 4:

- Found in 14 of 18 (77.8%) of genes in pham

- Manual Annotations of this start: 4 of 14
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Avazak_35 (DJ), Gravy_35 (DJ), Kerry_35 (DJ), Odesza_35 (DJ),

Start 5:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 14
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Artorias_35 (DJ), Captrips_35 (DJ), Capybara_35 (DJ), Dancer_37 (DJ), FortCran_35 (DJ), Gill_35 (DJ), JulesRay_37 (DJ), Magel_36 (DJ), NoPickles_35 (DJ), Roney_35 (DJ), Tanis_35 (DJ), Trufflozitus_38 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 3 was manually annotated 2 times for cluster DJ.
- Start number 4 was manually annotated 4 times for cluster DJ.
- Start number 5 was manually annotated 8 times for cluster DJ.

Gene Information:

Gene: Artorias_35 Start: 29163, Stop: 29462, Start Num: 5

Candidate Starts for Artorias_35:

(Start: 5 @29163 has 8 MA's), (6, 29202), (7, 29205), (8, 29268), (14, 29457),

Gene: Avazak_35 Start: 29155, Stop: 29469, Start Num: 4

Candidate Starts for Avazak_35:

(Start: 4 @29155 has 4 MA's), (Start: 5 @29170 has 8 MA's), (6, 29209), (10, 29308), (11, 29311), (13, 29431), (14, 29464),

Gene: Captrips_35 Start: 29199, Stop: 29498, Start Num: 5

Candidate Starts for Captrips_35:

(Start: 4 @29184 has 4 MA's), (Start: 5 @29199 has 8 MA's), (6, 29238), (7, 29241), (8, 29304), (14, 29493),

Gene: Capybara_35 Start: 29274, Stop: 29573, Start Num: 5

Candidate Starts for Capybara_35:

(Start: 4 @29259 has 4 MA's), (Start: 5 @29274 has 8 MA's), (6, 29313), (7, 29316), (8, 29379), (13, 29535), (14, 29568),

Gene: Dancer_37 Start: 28899, Stop: 29198, Start Num: 5

Candidate Starts for Dancer_37:

(Start: 4 @28884 has 4 MA's), (Start: 5 @28899 has 8 MA's), (6, 28938), (7, 28941), (8, 29004), (14, 29193),

Gene: FortCran_35 Start: 29163, Stop: 29462, Start Num: 5

Candidate Starts for FortCran_35:

(Start: 5 @29163 has 8 MA's), (6, 29202), (7, 29205), (8, 29268), (14, 29457),

Gene: Gill_35 Start: 29286, Stop: 29585, Start Num: 5

Candidate Starts for Gill_35:

(Start: 4 @29271 has 4 MA's), (Start: 5 @29286 has 8 MA's), (6, 29325), (7, 29328), (8, 29391), (13, 29547), (14, 29580),

Gene: Gravy_35 Start: 29271, Stop: 29585, Start Num: 4

Candidate Starts for Gravy_35:

(Start: 4 @29271 has 4 MA's), (Start: 5 @29286 has 8 MA's), (6, 29325), (7, 29328), (8, 29391), (13, 29547), (14, 29580),

Gene: JulesRay_37 Start: 29193, Stop: 29492, Start Num: 5

Candidate Starts for JulesRay_37:

(Start: 4 @29178 has 4 MA's), (Start: 5 @29193 has 8 MA's), (6, 29232), (7, 29235), (8, 29298), (14, 29487),

Gene: Kerry_35 Start: 29271, Stop: 29585, Start Num: 4

Candidate Starts for Kerry_35:

(Start: 4 @29271 has 4 MA's), (Start: 5 @29286 has 8 MA's), (6, 29325), (7, 29328), (8, 29391), (13, 29547), (14, 29580),

Gene: Magel_36 Start: 29194, Stop: 29493, Start Num: 5

Candidate Starts for Magel_36:

(Start: 4 @29179 has 4 MA's), (Start: 5 @29194 has 8 MA's), (6, 29233), (7, 29236), (8, 29299), (13, 29455), (14, 29488),

Gene: Mossy_39 Start: 33363, Stop: 33692, Start Num: 3

Candidate Starts for Mossy_39:

(Start: 3 @33363 has 2 MA's), (Start: 5 @33399 has 8 MA's), (9, 33516), (12, 33630),

Gene: NoPickles_35 Start: 28918, Stop: 29217, Start Num: 5

Candidate Starts for NoPickles_35:

(Start: 4 @28903 has 4 MA's), (Start: 5 @28918 has 8 MA's), (6, 28957), (7, 28960), (8, 29023), (13, 29179), (14, 29212),

Gene: Odesza_35 Start: 29271, Stop: 29585, Start Num: 4

Candidate Starts for Odesza_35:

(Start: 4 @29271 has 4 MA's), (Start: 5 @29286 has 8 MA's), (6, 29325), (7, 29328), (8, 29391), (13, 29547), (14, 29580),

Gene: OhMyWard_37 Start: 32706, Stop: 33035, Start Num: 3

Candidate Starts for OhMyWard_37:

(1, 32664), (2, 32673), (Start: 3 @32706 has 2 MA's), (Start: 5 @32742 has 8 MA's), (9, 32859), (12, 32973),

Gene: Roney_35 Start: 29286, Stop: 29585, Start Num: 5

Candidate Starts for Roney_35:

(Start: 4 @29271 has 4 MA's), (Start: 5 @29286 has 8 MA's), (6, 29325), (7, 29328), (8, 29391), (13, 29547), (14, 29580),

Gene: Tanis_35 Start: 29136, Stop: 29435, Start Num: 5

Candidate Starts for Tanis_35:

(Start: 4 @29121 has 4 MA's), (Start: 5 @29136 has 8 MA's), (6, 29175), (7, 29178), (8, 29241), (13, 29397), (14, 29430),

Gene: Trufflozitus_38 Start: 29192, Stop: 29491, Start Num: 5

Candidate Starts for Trufflozitus_38:

(Start: 4 @29177 has 4 MA's), (Start: 5 @29192 has 8 MA's), (6, 29231), (10, 29330), (11, 29333), (13, 29453), (14, 29486),