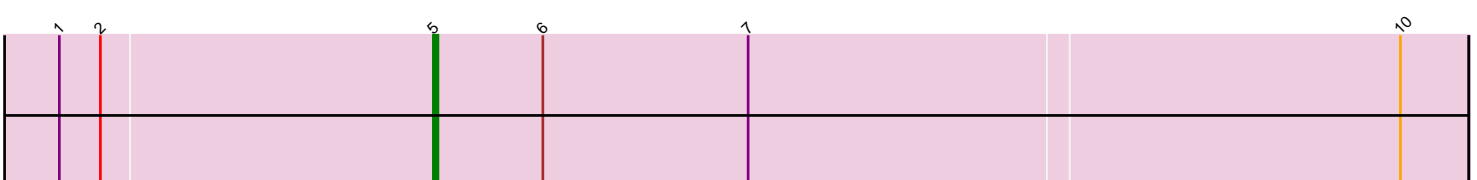
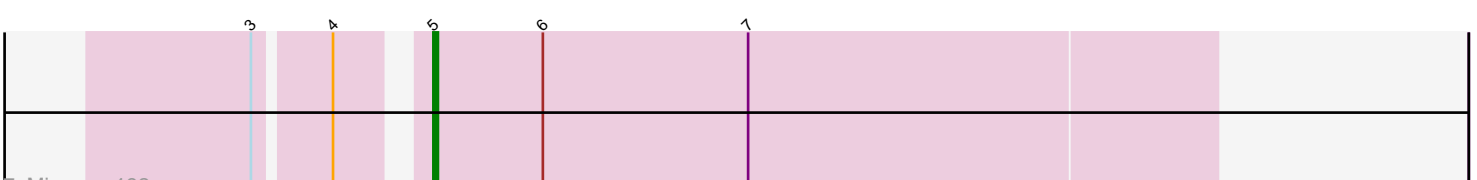
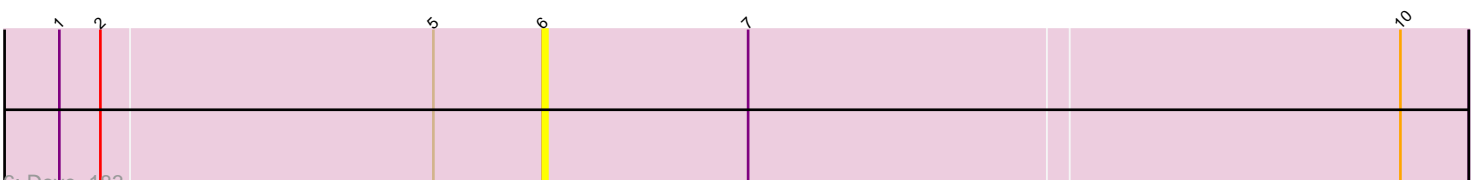
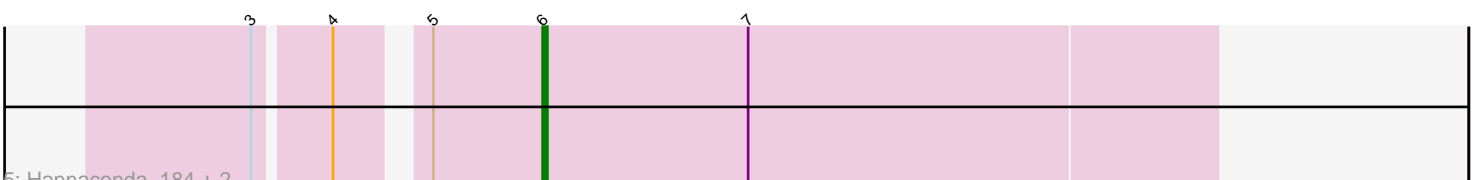
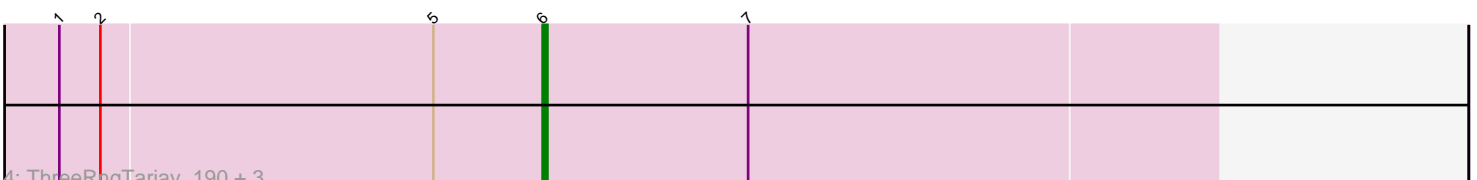
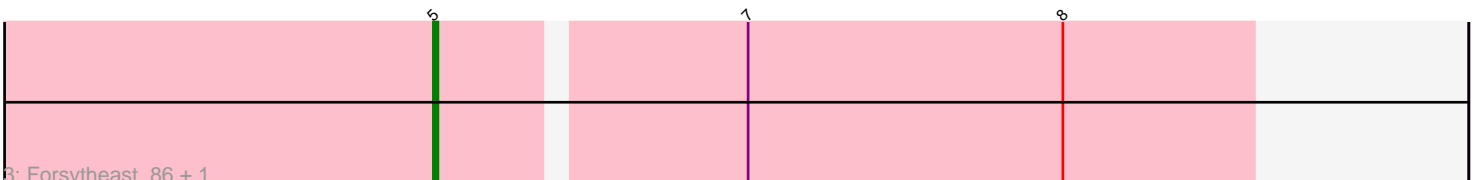
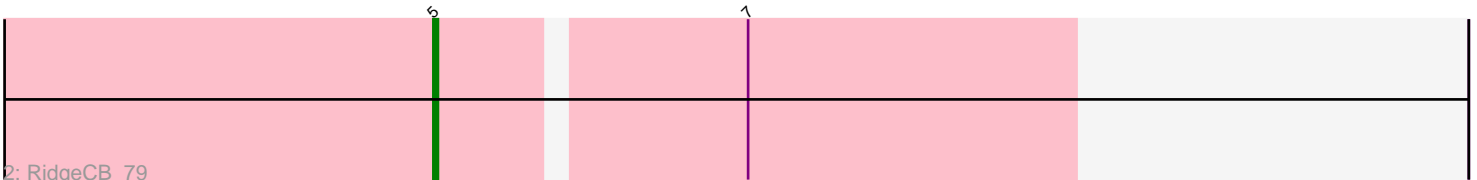
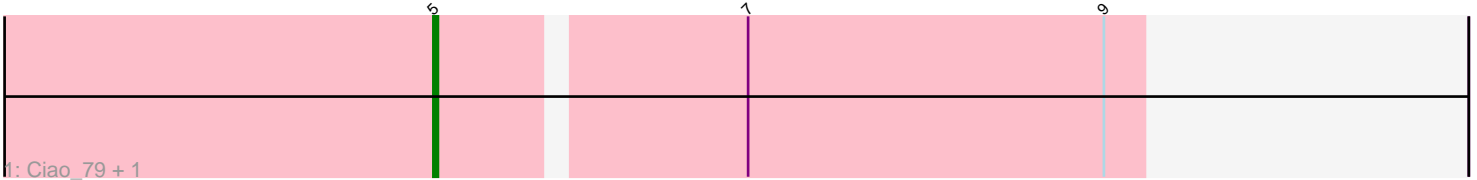


Pham 152276



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 152276 Report

This analysis was run 03/30/24 on database version 556.

Pham number 152276 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Ciao_79, Pippin_83
- Track 2 : RidgeCB_79
- Track 3 : Forsytheast_86, MaryBeth_82
- Track 4 : ThreeRngTarjay_190, DmpstrDiver_191, Zelink_184, Hughesyang_189
- Track 5 : Hannaconda_184, Odette_194, NihilNomen_193
- Track 6 : Dove_183
- Track 7 : Minerva_192
- Track 8 : Lucky2013_188

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 7 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ciao_79, Forsytheast_86, Lucky2013_188, MaryBeth_82, Minerva_192, Pippin_83, RidgeCB_79,

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

- DmpstrDiver_191, Dove_183, Hannaconda_184, Hughesyang_189, NihilNomen_193, Odette_194, ThreeRngTarjay_190, Zelink_184,

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

-

Summary by start number:

Start 5:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 13
- Called 46.7% of time when present
- Phage (with cluster) where this start called: Ciao_79 (A1), Forsytheast_86 (A1), Lucky2013_188 (J), MaryBeth_82 (A1), Minerva_192 (J), Pippin_83 (A1), RidgeCB_79 (A1),

Start 6:

- Found in 10 of 15 (66.7%) of genes in pham
- Manual Annotations of this start: 6 of 13
- Called 80.0% of time when present
- Phage (with cluster) where this start called: DmpstrDiver_191 (J), Dove_183 (J), Hannaconda_184 (J), Hughesyang_189 (J), NihilNomen_193 (J), Odette_194 (J), ThreeRngTarjay_190 (J), Zelink_184 (J),

Summary by clusters:

There are 2 clusters represented in this pham: A1, J,

Info for manual annotations of cluster A1:

- Start number 5 was manually annotated 5 times for cluster A1.

Info for manual annotations of cluster J:

- Start number 5 was manually annotated 2 times for cluster J.
- Start number 6 was manually annotated 6 times for cluster J.

Gene Information:

Gene: Ciao_79 Start: 46722, Stop: 46573, Start Num: 5

Candidate Starts for Ciao_79:

(Start: 5 @46722 has 7 MA's), (7, 46659), (9, 46581),

Gene: DmpstrDiver_191 Start: 95888, Stop: 95742, Start Num: 6

Candidate Starts for DmpstrDiver_191:

(1, 95993), (2, 95984), (Start: 5 @95912 has 7 MA's), (Start: 6 @95888 has 6 MA's), (7, 95843),

Gene: Dove_183 Start: 92303, Stop: 92103, Start Num: 6

Candidate Starts for Dove_183:

(1, 92408), (2, 92399), (Start: 5 @92327 has 7 MA's), (Start: 6 @92303 has 6 MA's), (7, 92258), (10, 92117),

Gene: Forsytheast_86 Start: 49143, Stop: 48970, Start Num: 5

Candidate Starts for Forsytheast_86:

(Start: 5 @49143 has 7 MA's), (7, 49080), (8, 49011),

Gene: Hannaconda_184 Start: 96282, Stop: 96136, Start Num: 6

Candidate Starts for Hannaconda_184:

(3, 96336), (4, 96321), (Start: 5 @96306 has 7 MA's), (Start: 6 @96282 has 6 MA's), (7, 96237),

Gene: Hughesyang_189 Start: 96717, Stop: 96565, Start Num: 6

Candidate Starts for Hughesyang_189:

(1, 96822), (2, 96813), (Start: 5 @96741 has 7 MA's), (Start: 6 @96717 has 6 MA's), (7, 96672),

Gene: Lucky2013_188 Start: 93220, Stop: 92996, Start Num: 5

Candidate Starts for Lucky2013_188:

(1, 93301), (2, 93292), (Start: 5 @93220 has 7 MA's), (Start: 6 @93196 has 6 MA's), (7, 93151), (10, 93010),

Gene: MaryBeth_82 Start: 48584, Stop: 48411, Start Num: 5

Candidate Starts for MaryBeth_82:

(Start: 5 @48584 has 7 MA's), (7, 48521), (8, 48452),

Gene: Minerva_192 Start: 95866, Stop: 95696, Start Num: 5

Candidate Starts for Minerva_192:

(3, 95896), (4, 95881), (Start: 5 @95866 has 7 MA's), (Start: 6 @95842 has 6 MA's), (7, 95797),

Gene: NihilNomen_193 Start: 95403, Stop: 95257, Start Num: 6

Candidate Starts for NihilNomen_193:

(3, 95457), (4, 95442), (Start: 5 @95427 has 7 MA's), (Start: 6 @95403 has 6 MA's), (7, 95358),

Gene: Odette_194 Start: 98472, Stop: 98326, Start Num: 6

Candidate Starts for Odette_194:

(3, 98526), (4, 98511), (Start: 5 @98496 has 7 MA's), (Start: 6 @98472 has 6 MA's), (7, 98427),

Gene: Pippin_83 Start: 48305, Stop: 48156, Start Num: 5

Candidate Starts for Pippin_83:

(Start: 5 @48305 has 7 MA's), (7, 48242), (9, 48164),

Gene: RidgeCB_79 Start: 46826, Stop: 46692, Start Num: 5

Candidate Starts for RidgeCB_79:

(Start: 5 @46826 has 7 MA's), (7, 46763),

Gene: ThreeRngTarjay_190 Start: 97822, Stop: 97676, Start Num: 6

Candidate Starts for ThreeRngTarjay_190:

(1, 97927), (2, 97918), (Start: 5 @97846 has 7 MA's), (Start: 6 @97822 has 6 MA's), (7, 97777),

Gene: Zelink_184 Start: 95473, Stop: 95321, Start Num: 6

Candidate Starts for Zelink_184:

(1, 95578), (2, 95569), (Start: 5 @95497 has 7 MA's), (Start: 6 @95473 has 6 MA's), (7, 95428),