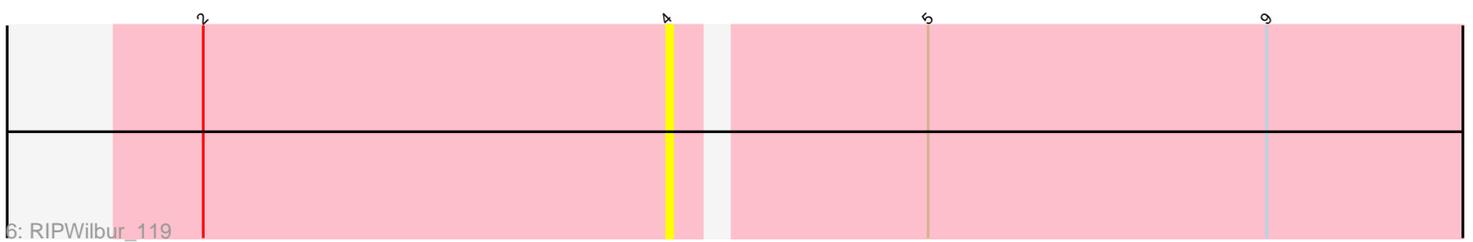
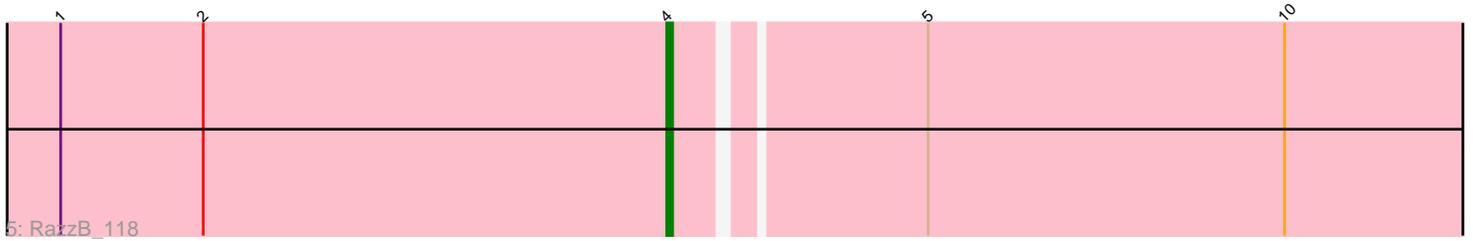
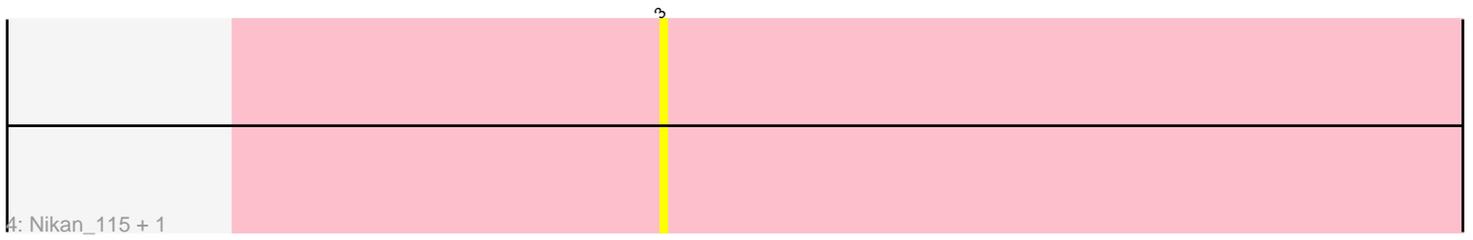
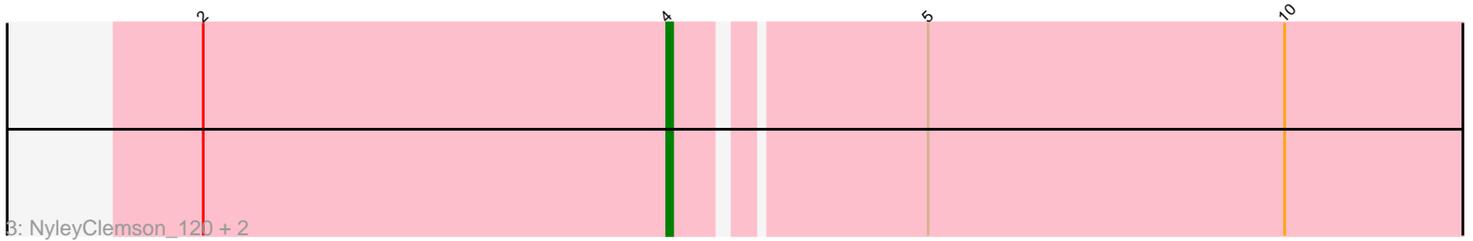
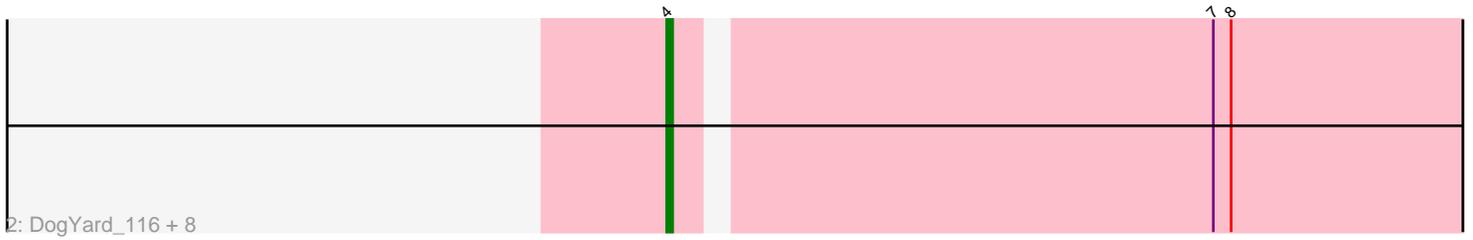
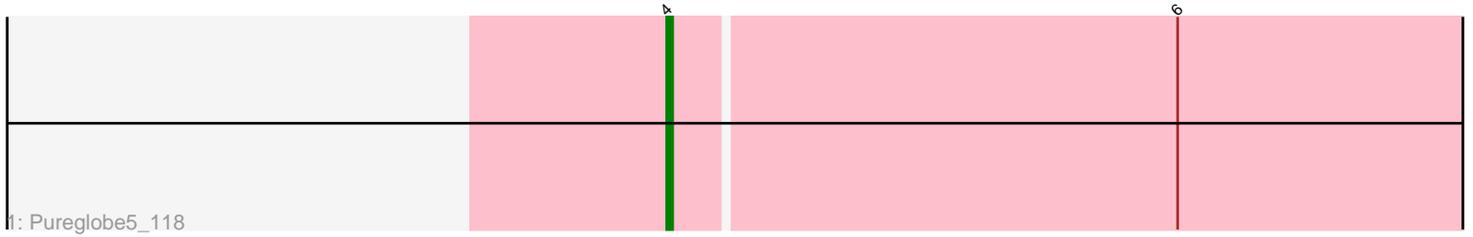


Pham 285977



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 285977 Report

This analysis was run 03/28/26 on database version 641.

Pham number 285977 has 17 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Pureglobe5_118
- Track 2 : DogYard_116, Hive_115, PhuzzTulsa_116, Kubulix_117, BetaFish_118, Pointis_113, Beagle_122, Odyssey395_116, Popstraw_113
- Track 3 : NyleyClemson_120, MellowYellow_119, Forrestell_118
- Track 4 : Nikan_115, Ren19_111
- Track 5 : RazzB_118
- Track 6 : RIPWilbur_119

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_122, BetaFish_118, DogYard_116, Forrestell_118, Hive_115, Kubulix_117, MellowYellow_119, NyleyClemson_120, Odyssey395_116, PhuzzTulsa_116, Pointis_113, Popstraw_113, Pureglobe5_118, RIPWilbur_119, RazzB_118,

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

-

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

- Nikan_115, Ren19_111,

Summary by start number:

Start 3:

- Found in 2 of 17 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nikan_115 (AP2), Ren19_111 (AP2),

Start 4:

- Found in 15 of 17 (88.2%) of genes in pham

- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_122 (AP2), BetaFish_118 (AP2), DogYard_116 (AP2), Forrestell_118 (AP2), Hive_115 (AP2), Kubulix_117 (AP2), MellowYellow_119 (AP2), NyleyClemson_120 (AP2), Odyssey395_116 (AP2), PhuzzTulsa_116 (AP2), Pointis_113 (AP2), Popstraw_113 (AP2), Pureglobe5_118 (AP2), RIPWilbur_119 (AP2), RazzB_118 (AP2),

Summary by clusters:

There is one cluster represented in this pham: AP2

Info for manual annotations of cluster AP2:

- Start number 4 was manually annotated 9 times for cluster AP2.

Gene Information:

Gene: Beagle_122 Start: 67403, Stop: 67176, Start Num: 4

Candidate Starts for Beagle_122:

(Start: 4 @67403 has 9 MA's), (7, 67316), (8, 67313),

Gene: BetaFish_118 Start: 67075, Stop: 66848, Start Num: 4

Candidate Starts for BetaFish_118:

(Start: 4 @67075 has 9 MA's), (7, 66988), (8, 66985),

Gene: DogYard_116 Start: 66041, Stop: 65814, Start Num: 4

Candidate Starts for DogYard_116:

(Start: 4 @66041 has 9 MA's), (7, 65954), (8, 65951),

Gene: Forrestell_118 Start: 65691, Stop: 65470, Start Num: 4

Candidate Starts for Forrestell_118:

(2, 65769), (Start: 4 @65691 has 9 MA's), (5, 65652), (10, 65592),

Gene: Hive_115 Start: 66022, Stop: 65795, Start Num: 4

Candidate Starts for Hive_115:

(Start: 4 @66022 has 9 MA's), (7, 65935), (8, 65932),

Gene: Kubulix_117 Start: 65732, Stop: 65505, Start Num: 4

Candidate Starts for Kubulix_117:

(Start: 4 @65732 has 9 MA's), (7, 65645), (8, 65642),

Gene: MellowYellow_119 Start: 67074, Stop: 66853, Start Num: 4

Candidate Starts for MellowYellow_119:

(2, 67152), (Start: 4 @67074 has 9 MA's), (5, 67035), (10, 66975),

Gene: Nikan_115 Start: 66379, Stop: 66143, Start Num: 3

Candidate Starts for Nikan_115:

(3, 66379),

Gene: NyleyClemson_120 Start: 66704, Stop: 66483, Start Num: 4

Candidate Starts for NyleyClemson_120:

(2, 66782), (Start: 4 @66704 has 9 MA's), (5, 66665), (10, 66605),

Gene: Odyssey395_116 Start: 65731, Stop: 65504, Start Num: 4

Candidate Starts for Odyssey395_116:

(Start: 4 @65731 has 9 MA's), (7, 65644), (8, 65641),

Gene: PhuzzTulsa_116 Start: 66352, Stop: 66125, Start Num: 4

Candidate Starts for PhuzzTulsa_116:

(Start: 4 @66352 has 9 MA's), (7, 66265), (8, 66262),

Gene: Pointis_113 Start: 65630, Stop: 65403, Start Num: 4

Candidate Starts for Pointis_113:

(Start: 4 @65630 has 9 MA's), (7, 65543), (8, 65540),

Gene: Popstraw_113 Start: 65968, Stop: 65741, Start Num: 4

Candidate Starts for Popstraw_113:

(Start: 4 @65968 has 9 MA's), (7, 65881), (8, 65878),

Gene: Pureglobe5_118 Start: 66677, Stop: 66453, Start Num: 4

Candidate Starts for Pureglobe5_118:

(Start: 4 @66677 has 9 MA's), (6, 66593),

Gene: RIPWilbur_119 Start: 66347, Stop: 66117, Start Num: 4

Candidate Starts for RIPWilbur_119:

(2, 66425), (Start: 4 @66347 has 9 MA's), (5, 66308), (9, 66251),

Gene: RazzB_118 Start: 66280, Stop: 66059, Start Num: 4

Candidate Starts for RazzB_118:

(1, 66382), (2, 66358), (Start: 4 @66280 has 9 MA's), (5, 66241), (10, 66181),

Gene: Ren19_111 Start: 65805, Stop: 65569, Start Num: 3

Candidate Starts for Ren19_111:

(3, 65805),