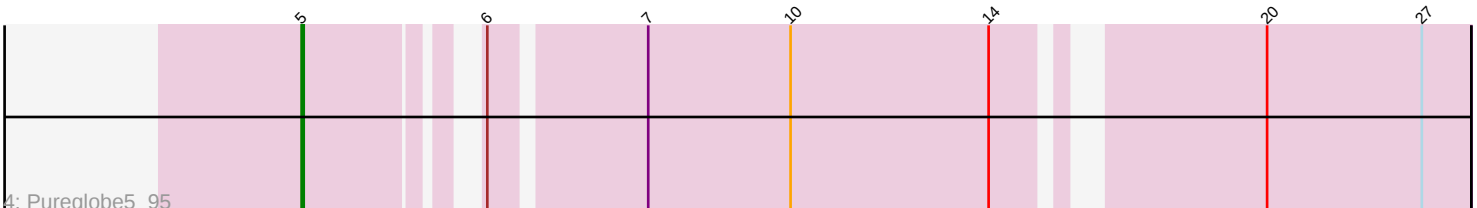
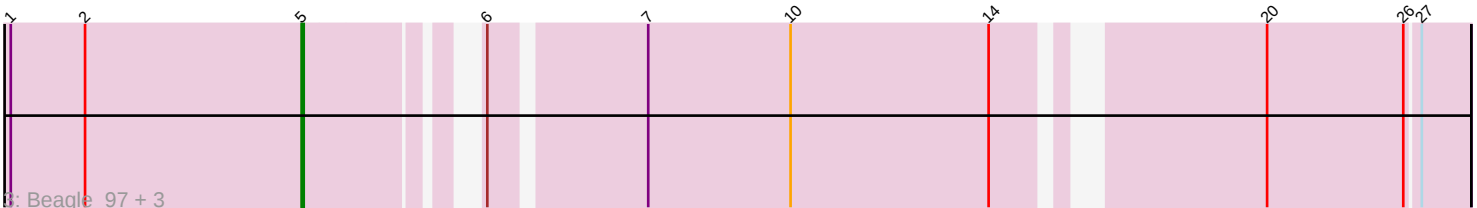
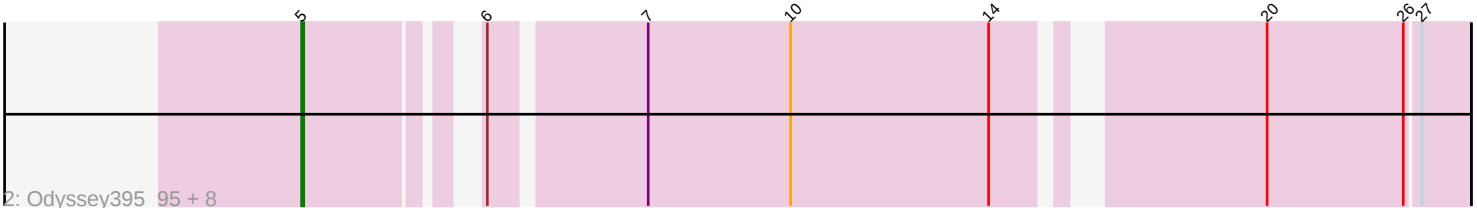
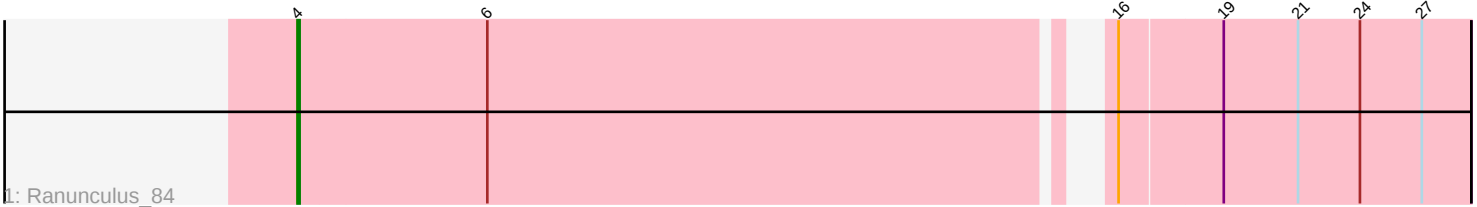


Pham 252738



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 252738 Report

This analysis was run 02/07/26 on database version 634.

Pham number 252738 has 19 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_84
- Track 2 : Odyssey395_95, Hive_92, RazzB_94, NyleyClemson_95, Forrestell_94, PhuzzTulsa_93, BetaFish_95, Pointis_92, MellowYellow_96
- Track 3 : Beagle_97, Popstraw_91, Kubulix_95, DogYard_95
- Track 4 : Pureglobe5_95
- Track 5 : Nikan_92, Ren19_87
- Track 6 : Ollypop_90
- Track 7 : BruhMoment_81

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 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_97, BetaFish_95, DogYard_95, Forrestell_94, Hive_92, Kubulix_95, MellowYellow_96, Nikan_92, NyleyClemson_95, Odyssey395_95, Ollypop_90, PhuzzTulsa_93, Pointis_92, Popstraw_91, Pureglobe5_95, RazzB_94, Ren19_87,

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

-

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

- BruhMoment_81, Ranunculus_84,

Summary by start number:

Start 3:

- Found in 1 of 19 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_81 (AP3),

Start 4:

- Found in 1 of 19 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ranunculus_84 (AP),

Start 5:

- Found in 17 of 19 (89.5%) of genes in pham
- Manual Annotations of this start: 10 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_97 (AP2), BetaFish_95 (AP2), DogYard_95 (AP2), Forrestell_94 (AP2), Hive_92 (AP2), Kubulix_95 (AP2), MellowYellow_96 (AP2), Nikan_92 (AP2), NyleyClemson_95 (AP2), Odyssey395_95 (AP2), Ollypop_90 (AP2), PhuzzTulsa_93 (AP2), Pointis_92 (AP2), Popstraw_91 (AP2), Pureglobe5_95 (AP2), RazzB_94 (AP2), Ren19_87 (AP2),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP3, AP,

Info for manual annotations of cluster AP:

- Start number 4 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:

- Start number 5 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 3 was manually annotated 1 time for cluster AP3.

Gene Information:

Gene: Beagle_97 Start: 57048, Stop: 56548, Start Num: 5

Candidate Starts for Beagle_97:

(1, 57189), (2, 57153), (Start: 5 @57048 has 10 MA's), (6, 56985), (7, 56916), (10, 56847), (14, 56751), (20, 56643), (26, 56577), (27, 56571),

Gene: BetaFish_95 Start: 57263, Stop: 56763, Start Num: 5

Candidate Starts for BetaFish_95:

(Start: 5 @57263 has 10 MA's), (6, 57200), (7, 57131), (10, 57062), (14, 56966), (20, 56858), (26, 56792), (27, 56786),

Gene: BruhMoment_81 Start: 54342, Stop: 53806, Start Num: 3

Candidate Starts for BruhMoment_81:

(Start: 3 @54342 has 1 MA's), (8, 54168), (9, 54144), (12, 54024), (18, 53925), (25, 53847),

Gene: DogYard_95 Start: 56753, Stop: 56253, Start Num: 5

Candidate Starts for DogYard_95:

(1, 56894), (2, 56858), (Start: 5 @56753 has 10 MA's), (6, 56690), (7, 56621), (10, 56552), (14, 56456), (20, 56348), (26, 56282), (27, 56276),

Gene: Forrestell_94 Start: 55457, Stop: 54957, Start Num: 5

Candidate Starts for Forrestell_94:

(Start: 5 @55457 has 10 MA's), (6, 55394), (7, 55325), (10, 55256), (14, 55160), (20, 55052), (26, 54986), (27, 54980),

Gene: Hive_92 Start: 56736, Stop: 56236, Start Num: 5

Candidate Starts for Hive_92:

(Start: 5 @56736 has 10 MA's), (6, 56673), (7, 56604), (10, 56535), (14, 56439), (20, 56331), (26, 56265), (27, 56259),

Gene: Kubulix_95 Start: 56420, Stop: 55920, Start Num: 5

Candidate Starts for Kubulix_95:

(1, 56561), (2, 56525), (Start: 5 @56420 has 10 MA's), (6, 56357), (7, 56288), (10, 56219), (14, 56123), (20, 56015), (26, 55949), (27, 55943),

Gene: MellowYellow_96 Start: 56662, Stop: 56162, Start Num: 5

Candidate Starts for MellowYellow_96:

(Start: 5 @56662 has 10 MA's), (6, 56599), (7, 56530), (10, 56461), (14, 56365), (20, 56257), (26, 56191), (27, 56185),

Gene: Nikan_92 Start: 56424, Stop: 55924, Start Num: 5

Candidate Starts for Nikan_92:

(Start: 5 @56424 has 10 MA's), (11, 56157), (13, 56136), (17, 56058), (22, 55971), (23, 55959),

Gene: NyleyClemson_95 Start: 56280, Stop: 55780, Start Num: 5

Candidate Starts for NyleyClemson_95:

(Start: 5 @56280 has 10 MA's), (6, 56217), (7, 56148), (10, 56079), (14, 55983), (20, 55875), (26, 55809), (27, 55803),

Gene: Odyssey395_95 Start: 56442, Stop: 55942, Start Num: 5

Candidate Starts for Odyssey395_95:

(Start: 5 @56442 has 10 MA's), (6, 56379), (7, 56310), (10, 56241), (14, 56145), (20, 56037), (26, 55971), (27, 55965),

Gene: Ollypop_90 Start: 57263, Stop: 56763, Start Num: 5

Candidate Starts for Ollypop_90:

(Start: 5 @57263 has 10 MA's), (15, 56906), (22, 56810), (23, 56798),

Gene: PhuzzTulsa_93 Start: 56890, Stop: 56390, Start Num: 5

Candidate Starts for PhuzzTulsa_93:

(Start: 5 @56890 has 10 MA's), (6, 56827), (7, 56758), (10, 56689), (14, 56593), (20, 56485), (26, 56419), (27, 56413),

Gene: Pointis_92 Start: 56338, Stop: 55838, Start Num: 5

Candidate Starts for Pointis_92:

(Start: 5 @56338 has 10 MA's), (6, 56275), (7, 56206), (10, 56137), (14, 56041), (20, 55933), (26, 55867), (27, 55861),

Gene: Popstraw_91 Start: 56515, Stop: 56015, Start Num: 5

Candidate Starts for Popstraw_91:

(1, 56656), (2, 56620), (Start: 5 @56515 has 10 MA's), (6, 56452), (7, 56383), (10, 56314), (14, 56218), (20, 56110), (26, 56044), (27, 56038),

Gene: Pureglobe5_95 Start: 57000, Stop: 56497, Start Num: 5

Candidate Starts for Pureglobe5_95:

(Start: 5 @57000 has 10 MA's), (6, 56937), (7, 56868), (10, 56799), (14, 56703), (20, 56595), (27, 56520),

Gene: Ranunculus_84 Start: 57270, Stop: 56734, Start Num: 4

Candidate Starts for Ranunculus_84:

(Start: 4 @57270 has 1 MA's), (6, 57180), (16, 56901), (19, 56853), (21, 56817), (24, 56787), (27, 56757),

Gene: RazzB_94 Start: 55869, Stop: 55369, Start Num: 5

Candidate Starts for RazzB_94:

(Start: 5 @55869 has 10 MA's), (6, 55806), (7, 55737), (10, 55668), (14, 55572), (20, 55464), (26, 55398), (27, 55392),

Gene: Ren19_87 Start: 55449, Stop: 54949, Start Num: 5

Candidate Starts for Ren19_87:

(Start: 5 @55449 has 10 MA's), (11, 55182), (13, 55161), (17, 55083), (22, 54996), (23, 54984),