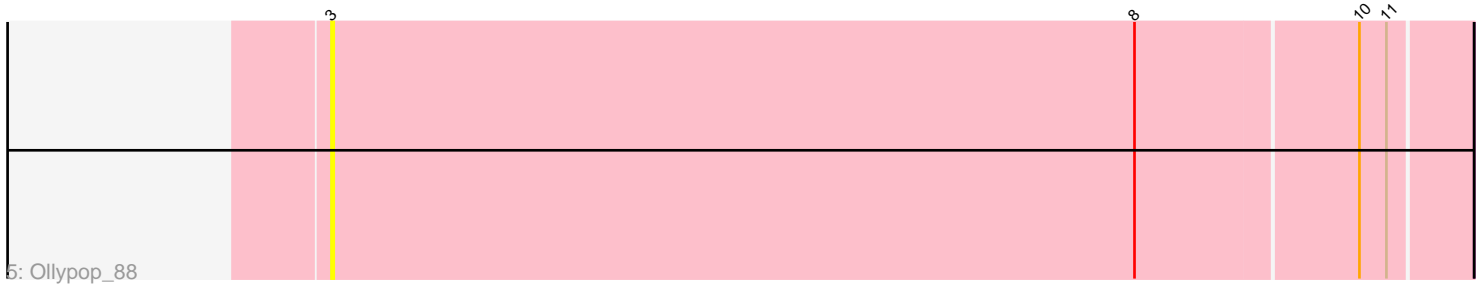
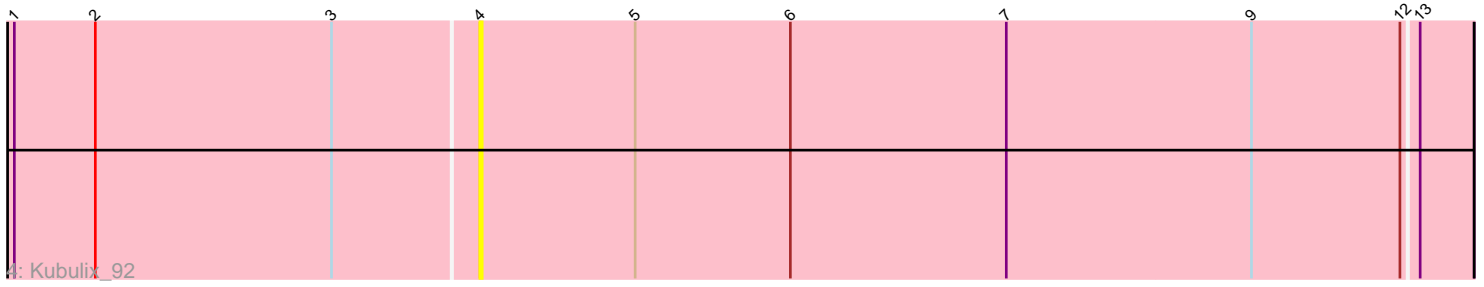
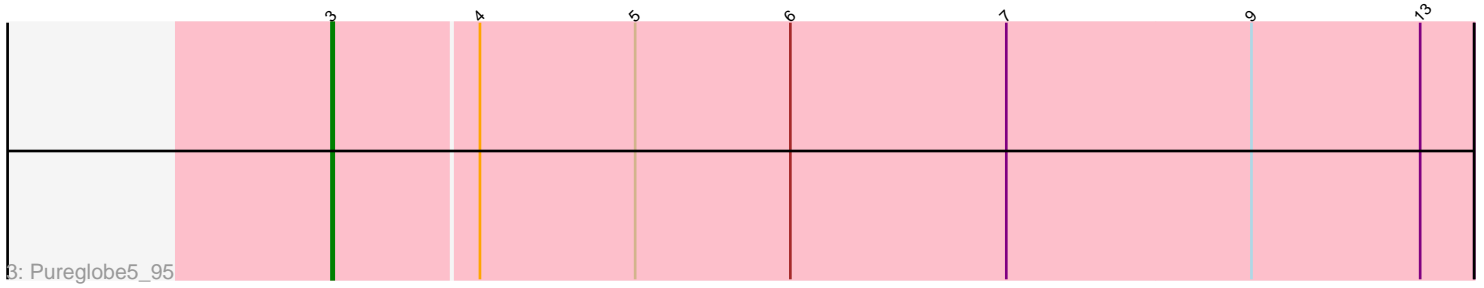
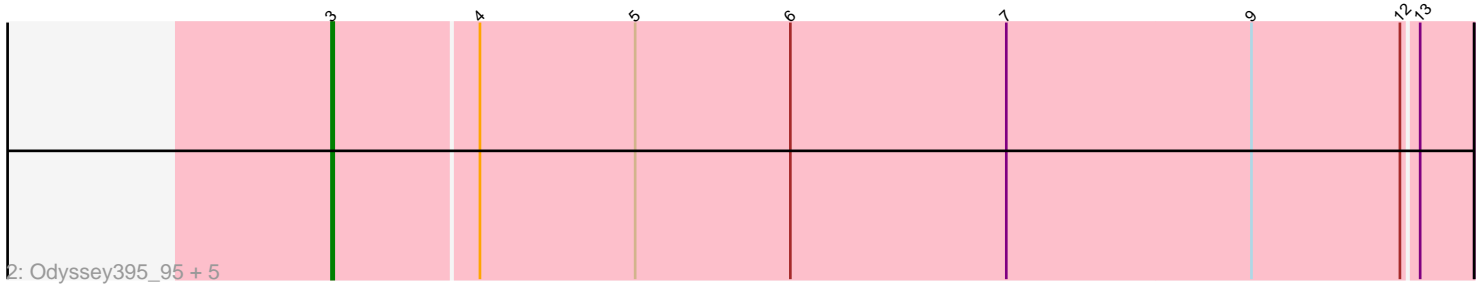
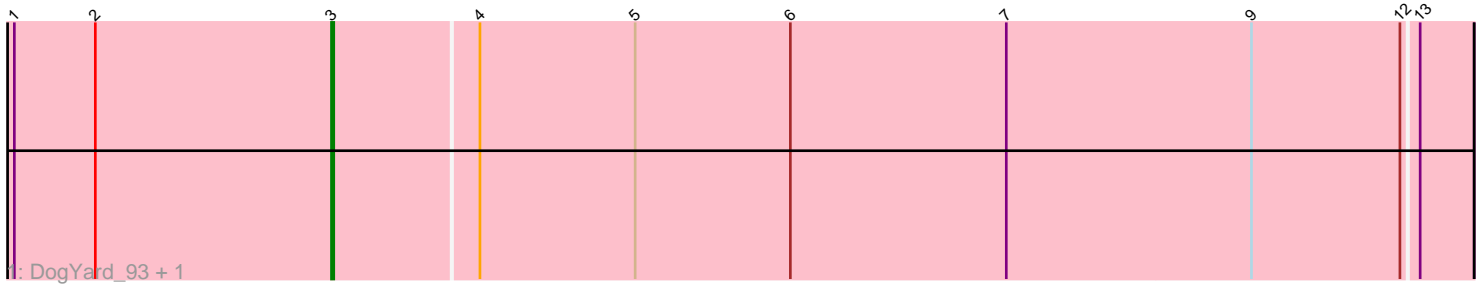


Pham 200795



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 200795 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200795 has 11 members, 6 are drafts.

Phages represented in each track:

- Track 1 : DogYard_93, Beagle_97
- Track 2 : Odyssey395_95, Forrestell_91, NyleyClemson_95, MellowYellow_96, RazzB_91, Pointis_92
- Track 3 : Pureglobe5_95
- Track 4 : Kubulix_92
- Track 5 : Ollypop_88

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_97, DogYard_93, Forrestell_91, MellowYellow_96, NyleyClemson_95, Odyssey395_95, Ollypop_88, Pointis_92, Pureglobe5_95, RazzB_91,

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

- Kubulix_92,

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

-

Summary by start number:

Start 3:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Beagle_97 (AP2), DogYard_93 (AP2), Forrestell_91 (AP2), MellowYellow_96 (AP2), NyleyClemson_95 (AP2), Odyssey395_95 (AP2), Ollypop_88 (AP2), Pointis_92 (AP2), Pureglobe5_95 (AP2), RazzB_91 (AP2),

Start 4:

- Found in 10 of 11 (90.9%) of genes in pham
- No Manual Annotations of this start.
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Kubulix_92 (AP2),

Summary by clusters:

There is one cluster represented in this pham: AP2

Info for manual annotations of cluster AP2:

- Start number 3 was manually annotated 5 times for cluster AP2.

Gene Information:

Gene: Beagle_97 Start: 57048, Stop: 56548, Start Num: 3

Candidate Starts for Beagle_97:

(1, 57189), (2, 57153), (Start: 3 @57048 has 5 MA's), (4, 56985), (5, 56916), (6, 56847), (7, 56751), (9, 56643), (12, 56577), (13, 56571),

Gene: DogYard_93 Start: 56753, Stop: 56253, Start Num: 3

Candidate Starts for DogYard_93:

(1, 56894), (2, 56858), (Start: 3 @56753 has 5 MA's), (4, 56690), (5, 56621), (6, 56552), (7, 56456), (9, 56348), (12, 56282), (13, 56276),

Gene: Forrestell_91 Start: 55457, Stop: 54957, Start Num: 3

Candidate Starts for Forrestell_91:

(Start: 3 @55457 has 5 MA's), (4, 55394), (5, 55325), (6, 55256), (7, 55160), (9, 55052), (12, 54986), (13, 54980),

Gene: Kubulix_92 Start: 56357, Stop: 55920, Start Num: 4

Candidate Starts for Kubulix_92:

(1, 56561), (2, 56525), (Start: 3 @56420 has 5 MA's), (4, 56357), (5, 56288), (6, 56219), (7, 56123), (9, 56015), (12, 55949), (13, 55943),

Gene: MellowYellow_96 Start: 56662, Stop: 56162, Start Num: 3

Candidate Starts for MellowYellow_96:

(Start: 3 @56662 has 5 MA's), (4, 56599), (5, 56530), (6, 56461), (7, 56365), (9, 56257), (12, 56191), (13, 56185),

Gene: NyleyClemson_95 Start: 56280, Stop: 55780, Start Num: 3

Candidate Starts for NyleyClemson_95:

(Start: 3 @56280 has 5 MA's), (4, 56217), (5, 56148), (6, 56079), (7, 55983), (9, 55875), (12, 55809), (13, 55803),

Gene: Odyssey395_95 Start: 56442, Stop: 55942, Start Num: 3

Candidate Starts for Odyssey395_95:

(Start: 3 @56442 has 5 MA's), (4, 56379), (5, 56310), (6, 56241), (7, 56145), (9, 56037), (12, 55971), (13, 55965),

Gene: Ollypop_88 Start: 57263, Stop: 56763, Start Num: 3

Candidate Starts for Ollypop_88:

(Start: 3 @57263 has 5 MA's), (8, 56906), (10, 56810), (11, 56798),

Gene: Pointis_92 Start: 56338, Stop: 55838, Start Num: 3

Candidate Starts for Pointis_92:

(Start: 3 @56338 has 5 MA's), (4, 56275), (5, 56206), (6, 56137), (7, 56041), (9, 55933), (12, 55867), (13, 55861),

Gene: Pureglobe5_95 Start: 57000, Stop: 56497, Start Num: 3

Candidate Starts for Pureglobe5_95:

(Start: 3 @57000 has 5 MA's), (4, 56937), (5, 56868), (6, 56799), (7, 56703), (9, 56595), (13, 56520),

Gene: RazzB_91 Start: 55869, Stop: 55369, Start Num: 3

Candidate Starts for RazzB_91:

(Start: 3 @55869 has 5 MA's), (4, 55806), (5, 55737), (6, 55668), (7, 55572), (9, 55464), (12, 55398), (13, 55392),