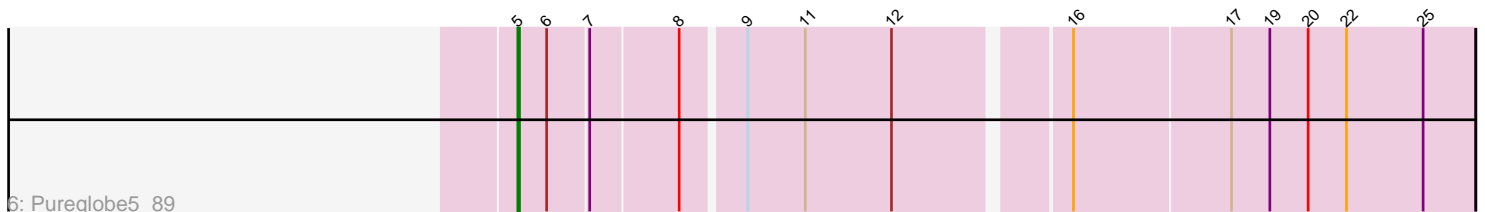
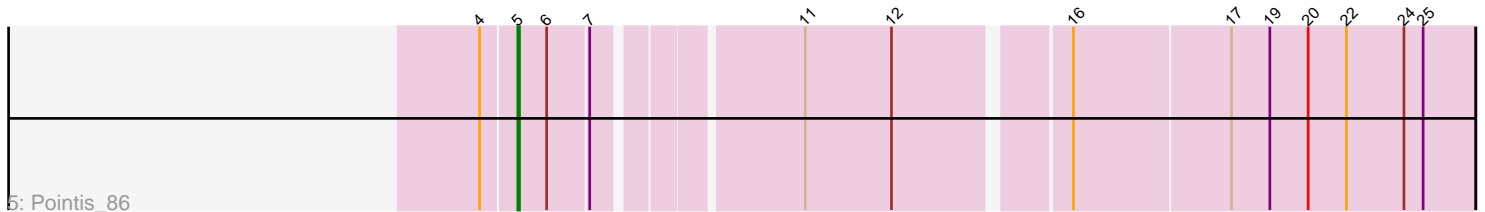
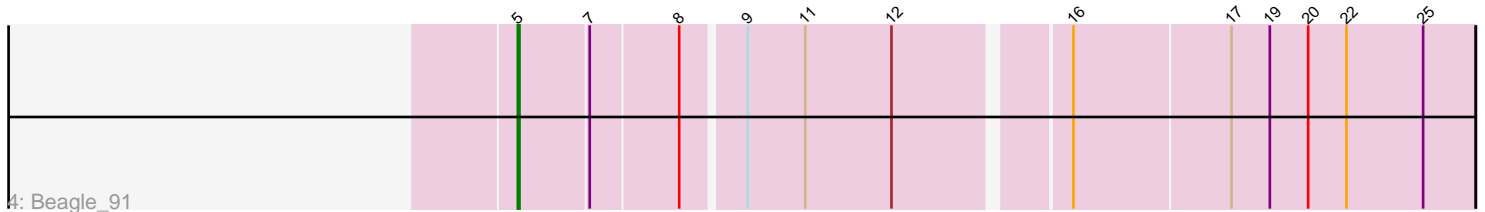
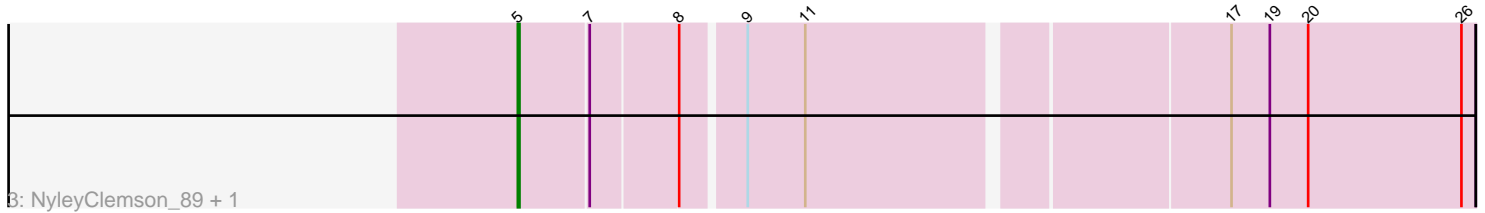
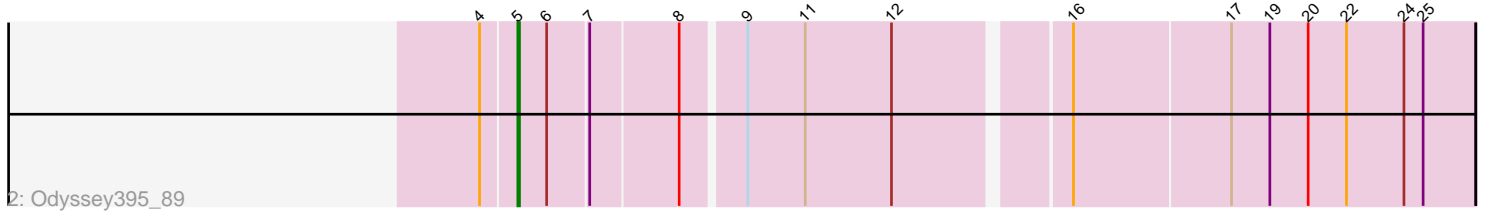
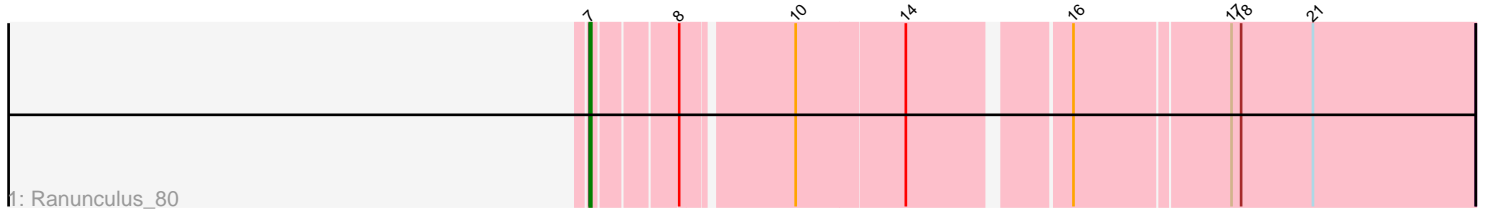


Pham 190353



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 190353 Report

This analysis was run 11/02/24 on database version 579.

Pham number 190353 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_80
- Track 2 : Odyssey395_89
- Track 3 : NyleyClemson_89, MellowYellow_90
- Track 4 : Beagle_91
- Track 5 : Pointis_86
- Track 6 : Pureglobe5_89
- Track 7 : BruhMoment_77

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

Genes that call this "Most Annotated" start:

- Beagle_91, MellowYellow_90, NyleyClemson_89, Odyssey395_89, Pointis_86, Pureglobe5_89,

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

-

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

- BruhMoment_77, Ranunculus_80,

Summary by start number:

Start 3:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_77 (AP3),

Start 5:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 5 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_91 (AP2), MellowYellow_90 (AP2), NyleyClemson_89 (AP2), Odyssey395_89 (AP2), Pointis_86 (AP2), Pureglobe5_89 (AP2),

Start 7:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Ranunculus_80 (AP),

Summary by clusters:

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

Info for manual annotations of cluster AP:

- Start number 7 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:

- Start number 5 was manually annotated 5 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_91 Start: 52495, Stop: 51929, Start Num: 5

Candidate Starts for Beagle_91:

(Start: 5 @52495 has 5 MA's), (Start: 7 @52453 has 1 MA's), (8, 52402), (9, 52366), (11, 52330), (12, 52276), (16, 52177), (17, 52081), (19, 52057), (20, 52033), (22, 52009), (25, 51961),

Gene: BruhMoment_77 Start: 50700, Stop: 50080, Start Num: 3

Candidate Starts for BruhMoment_77:

(1, 50943), (2, 50808), (Start: 3 @50700 has 1 MA's), (6, 50637), (11, 50475), (13, 50418), (15, 50340), (19, 50190), (20, 50166), (23, 50115),

Gene: MellowYellow_90 Start: 52109, Stop: 51543, Start Num: 5

Candidate Starts for MellowYellow_90:

(Start: 5 @52109 has 5 MA's), (Start: 7 @52067 has 1 MA's), (8, 52016), (9, 51980), (11, 51944), (17, 51695), (19, 51671), (20, 51647), (26, 51551),

Gene: NyleyClemson_89 Start: 51727, Stop: 51161, Start Num: 5

Candidate Starts for NyleyClemson_89:

(Start: 5 @51727 has 5 MA's), (Start: 7 @51685 has 1 MA's), (8, 51634), (9, 51598), (11, 51562), (17, 51313), (19, 51289), (20, 51265), (26, 51169),

Gene: Odyssey395_89 Start: 51889, Stop: 51323, Start Num: 5

Candidate Starts for Odyssey395_89:

(4, 51910), (Start: 5 @51889 has 5 MA's), (6, 51871), (Start: 7 @51847 has 1 MA's), (8, 51796), (9, 51760), (11, 51724), (12, 51670), (16, 51571), (17, 51475), (19, 51451), (20, 51427), (22, 51403), (24, 51367), (25, 51355),

Gene: Pointis_86 Start: 51785, Stop: 51228, Start Num: 5

Candidate Starts for Pointis_86:

(4, 51806), (Start: 5 @51785 has 5 MA's), (6, 51767), (Start: 7 @51743 has 1 MA's), (11, 51629), (12, 51575), (16, 51476), (17, 51380), (19, 51356), (20, 51332), (22, 51308), (24, 51272), (25, 51260),

Gene: Pureglobe5_89 Start: 52441, Stop: 51875, Start Num: 5

Candidate Starts for Pureglobe5_89:

(Start: 5 @52441 has 5 MA's), (6, 52423), (Start: 7 @52399 has 1 MA's), (8, 52348), (9, 52312), (11, 52276), (12, 52222), (16, 52123), (17, 52027), (19, 52003), (20, 51979), (22, 51955), (25, 51907),

Gene: Ranunculus_80 Start: 53611, Stop: 53102, Start Num: 7

Candidate Starts for Ranunculus_80:

(Start: 7 @53611 has 1 MA's), (8, 53566), (10, 53503), (14, 53437), (16, 53347), (17, 53254), (18, 53248), (21, 53203),