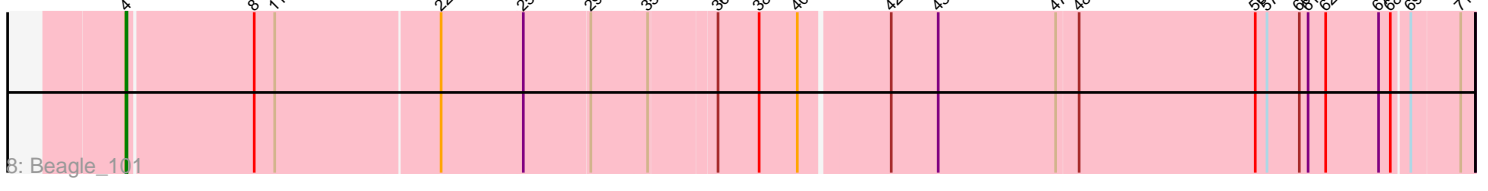
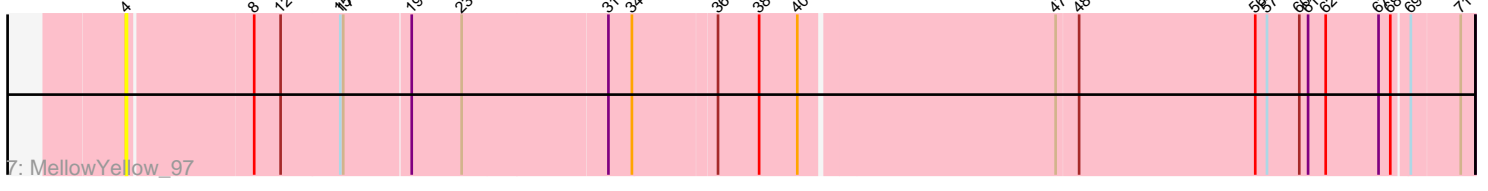
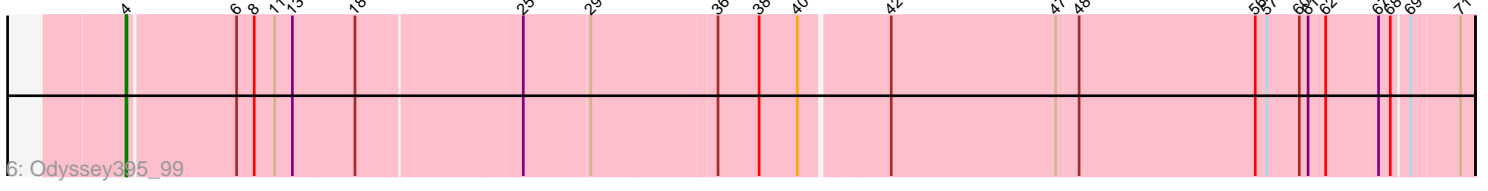
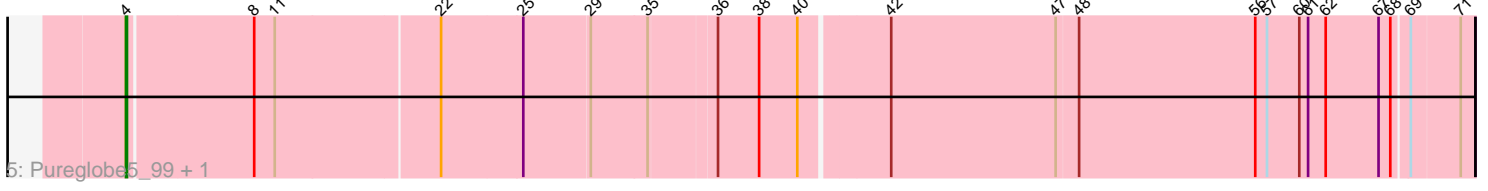
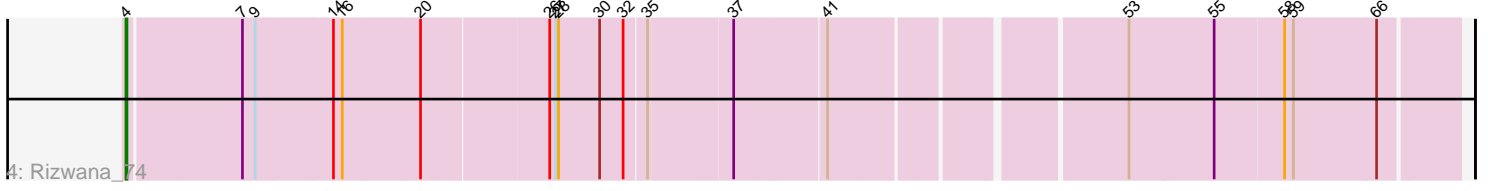
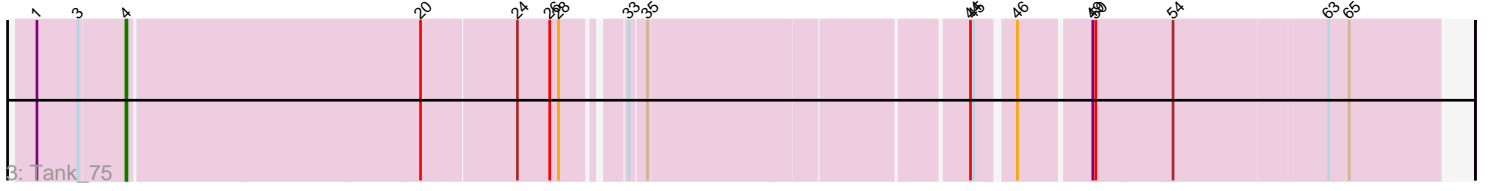
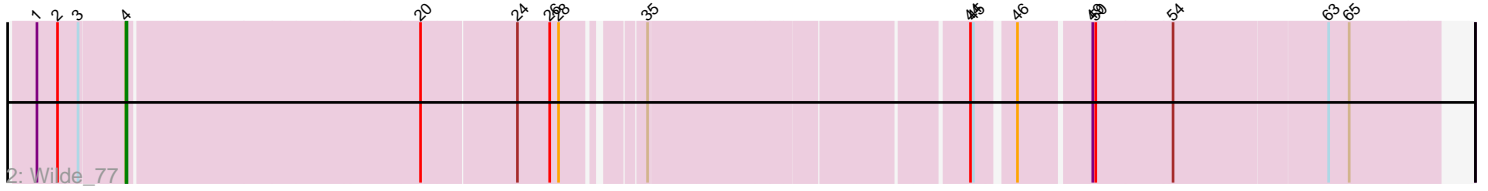
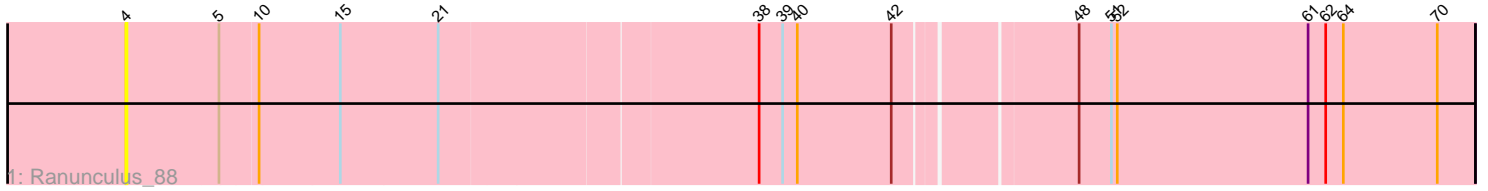


Pham 155255



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 155255 Report

This analysis was run 04/12/24 on database version 558.

Pham number 155255 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_88
- Track 2 : Wilde_77
- Track 3 : Tank_75
- Track 4 : Rizwana_74
- Track 5 : Pureglobe5_99, Pointis_96
- Track 6 : Odyssey395_99
- Track 7 : MellowYellow_97
- Track 8 : Beagle_101

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_101, MellowYellow_97, Odyssey395_99, Pointis_96, Pureglobe5_99, Ranunculus_88, Rizwana_74, Tank_75, Wilde_77,

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

-

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

-

Summary by start number:

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_101 (AP2), MellowYellow_97 (AP2), Odyssey395_99 (AP2), Pointis_96 (AP2), Pureglobe5_99 (AP2), Ranunculus_88 (AP), Rizwana_74 (AP1), Tank_75 (AP1), Wilde_77 (AP1),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP, AP1,

Info for manual annotations of cluster AP1:

- Start number 4 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 4 was manually annotated 3 times for cluster AP2.

Gene Information:

Gene: Beagle_101 Start: 59990, Stop: 58668, Start Num: 4

Candidate Starts for Beagle_101:

(Start: 4 @59990 has 6 MA's), (8, 59867), (11, 59846), (22, 59684), (25, 59603), (29, 59537), (35, 59480), (36, 59417), (38, 59375), (40, 59336), (42, 59252), (43, 59204), (47, 59084), (48, 59063), (56, 58883), (57, 58871), (60, 58838), (61, 58829), (62, 58811), (67, 58757), (68, 58745), (69, 58730), (71, 58682),

Gene: MellowYellow_97 Start: 59608, Stop: 58283, Start Num: 4

Candidate Starts for MellowYellow_97:

(Start: 4 @59608 has 6 MA's), (8, 59488), (12, 59461), (15, 59401), (17, 59398), (19, 59332), (23, 59281), (31, 59137), (34, 59113), (36, 59032), (38, 58990), (40, 58951), (47, 58699), (48, 58678), (56, 58498), (57, 58486), (60, 58453), (61, 58444), (62, 58426), (67, 58372), (68, 58360), (69, 58345), (71, 58297),

Gene: Odyssey395_99 Start: 59388, Stop: 58063, Start Num: 4

Candidate Starts for Odyssey395_99:

(Start: 4 @59388 has 6 MA's), (6, 59283), (8, 59265), (11, 59244), (13, 59226), (18, 59163), (25, 59001), (29, 58935), (36, 58812), (38, 58770), (40, 58731), (42, 58647), (47, 58479), (48, 58458), (56, 58278), (57, 58266), (60, 58233), (61, 58224), (62, 58206), (67, 58152), (68, 58140), (69, 58125), (71, 58077),

Gene: Pointis_96 Start: 59281, Stop: 57959, Start Num: 4

Candidate Starts for Pointis_96:

(Start: 4 @59281 has 6 MA's), (8, 59158), (11, 59137), (22, 58975), (25, 58894), (29, 58828), (35, 58771), (36, 58708), (38, 58666), (40, 58627), (42, 58543), (47, 58375), (48, 58354), (56, 58174), (57, 58162), (60, 58129), (61, 58120), (62, 58102), (67, 58048), (68, 58036), (69, 58021), (71, 57973),

Gene: Pureglobe5_99 Start: 59946, Stop: 58624, Start Num: 4

Candidate Starts for Pureglobe5_99:

(Start: 4 @59946 has 6 MA's), (8, 59823), (11, 59802), (22, 59640), (25, 59559), (29, 59493), (35, 59436), (36, 59373), (38, 59331), (40, 59292), (42, 59208), (47, 59040), (48, 59019), (56, 58839), (57, 58827), (60, 58794), (61, 58785), (62, 58767), (67, 58713), (68, 58701), (69, 58686), (71, 58638),

Gene: Ranunculus_88 Start: 60245, Stop: 58917, Start Num: 4

Candidate Starts for Ranunculus_88:

(Start: 4 @60245 has 6 MA's), (5, 60152), (10, 60116), (15, 60035), (21, 59936), (38, 59624), (39, 59600), (40, 59585), (42, 59489), (48, 59321), (51, 59288), (52, 59282), (61, 59087), (62, 59069), (64, 59051), (70, 58955),

Gene: Rizwana_74 Start: 53391, Stop: 52132, Start Num: 4

Candidate Starts for Rizwana_74:

(Start: 4 @53391 has 6 MA's), (7, 53280), (9, 53268), (14, 53190), (16, 53181), (20, 53103), (26, 52983), (27, 52977), (28, 52974), (30, 52932), (32, 52908), (35, 52887), (37, 52809), (41, 52722), (53, 52452), (55, 52368), (58, 52299), (59, 52293), (66, 52209),

Gene: Tank_75 Start: 54026, Stop: 52803, Start Num: 4

Candidate Starts for Tank_75:

(1, 54113), (3, 54071), (Start: 4 @54026 has 6 MA's), (20, 53741), (24, 53651), (26, 53618), (28, 53609), (33, 53558), (35, 53543), (44, 53249), (45, 53246), (46, 53213), (49, 53144), (50, 53141), (54, 53066), (63, 52913), (65, 52892),

Gene: Wilde_77 Start: 54367, Stop: 53144, Start Num: 4

Candidate Starts for Wilde_77:

(1, 54454), (2, 54433), (3, 54412), (Start: 4 @54367 has 6 MA's), (20, 54082), (24, 53992), (26, 53959), (28, 53950), (35, 53884), (44, 53590), (45, 53587), (46, 53554), (49, 53485), (50, 53482), (54, 53407), (63, 53254), (65, 53233),