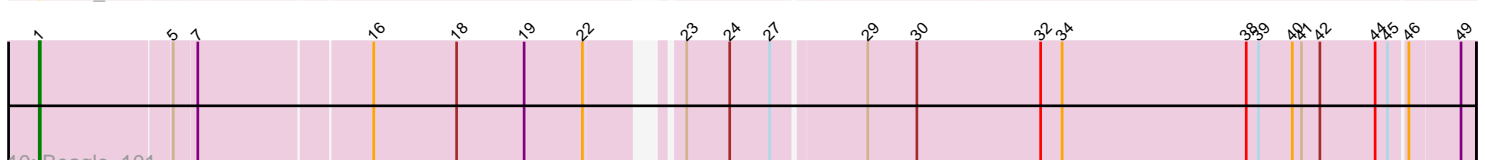
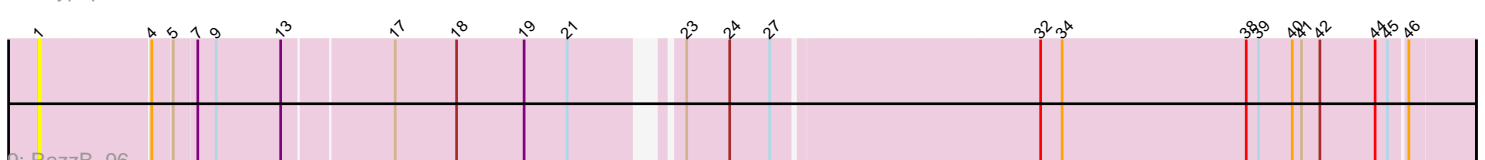
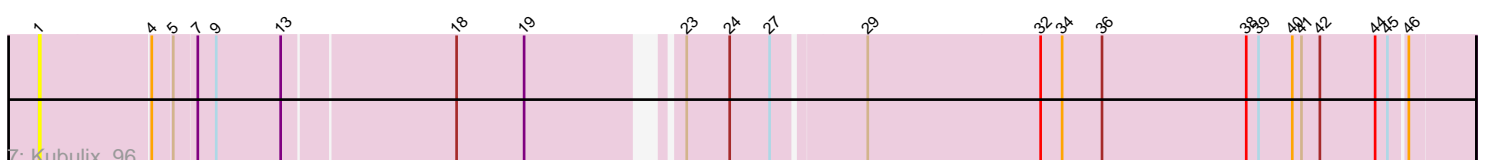
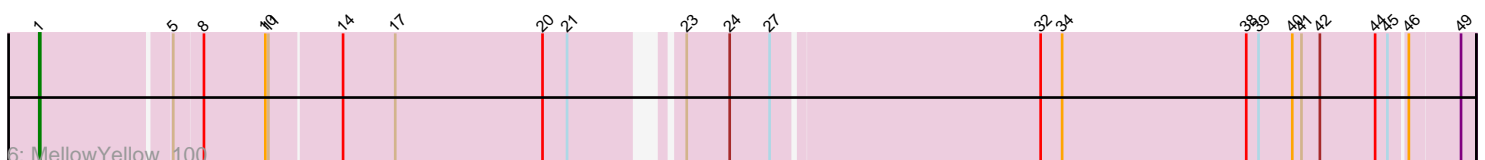
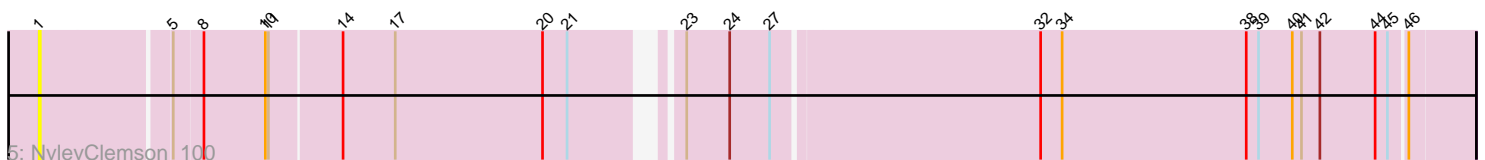
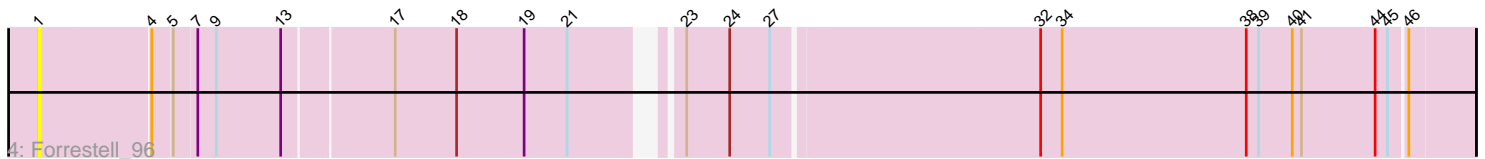
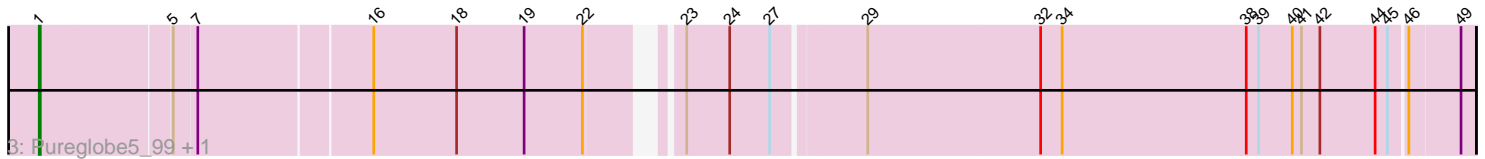
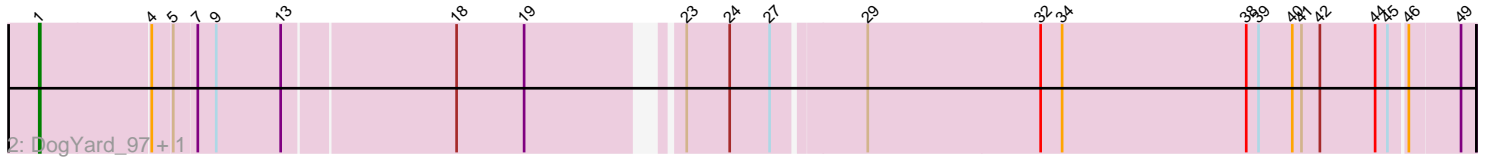
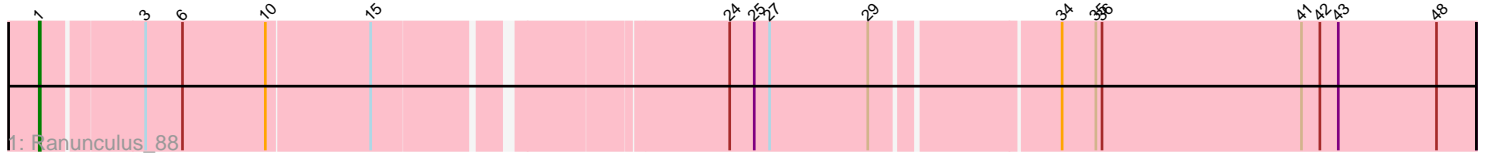


Pham 216733



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 216733 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216733 has 12 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_88
- Track 2 : DogYard_97, Odyssey395_99
- Track 3 : Pureglobe5_99, Pointis_96
- Track 4 : Forrestell_96
- Track 5 : NyleyClemson_100
- Track 6 : MellowYellow_100
- Track 7 : Kubulix_96
- Track 8 : Ollypop_94
- Track 9 : RazzB_96
- Track 10 : 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 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_101, DogYard_97, Forrestell_96, Kubulix_96, MellowYellow_100, NyleyClemson_100, Odyssey395_99, Ollypop_94, Pointis_96, Pureglobe5_99, Ranunculus_88, RazzB_96,

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 1:

- Found in 12 of 12 (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), DogYard_97 (AP2), Forrestell_96 (AP2), Kubulix_96 (AP2), MellowYellow_100 (AP2), NyleyClemson_100 (AP2), Odyssey395_99 (AP2), Ollypop_94 (AP2), Pointis_96 (AP2), Pureglobe5_99 (AP2), Ranunculus_88 (AP), RazzB_96 (AP2),

Summary by clusters:

There are 2 clusters represented in this pham: AP2, AP,

Info for manual annotations of cluster AP:

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

Info for manual annotations of cluster AP2:

- Start number 1 was manually annotated 5 times for cluster AP2.

Gene Information:

Gene: Beagle_101 Start: 59990, Stop: 58668, Start Num: 1

Candidate Starts for Beagle_101:

(Start: 1 @59990 has 6 MA's), (5, 59867), (7, 59846), (16, 59684), (18, 59603), (19, 59537), (22, 59480), (23, 59417), (24, 59375), (27, 59336), (29, 59252), (30, 59204), (32, 59084), (34, 59063), (38, 58883), (39, 58871), (40, 58838), (41, 58829), (42, 58811), (44, 58757), (45, 58745), (46, 58730), (49, 58682),

Gene: DogYard_97 Start: 59698, Stop: 58373, Start Num: 1

Candidate Starts for DogYard_97:

(Start: 1 @59698 has 6 MA's), (4, 59593), (5, 59575), (7, 59554), (9, 59536), (13, 59473), (18, 59311), (19, 59245), (23, 59122), (24, 59080), (27, 59041), (29, 58957), (32, 58789), (34, 58768), (38, 58588), (39, 58576), (40, 58543), (41, 58534), (42, 58516), (44, 58462), (45, 58450), (46, 58435), (49, 58387),

Gene: Forrestell_96 Start: 58406, Stop: 57081, Start Num: 1

Candidate Starts for Forrestell_96:

(Start: 1 @58406 has 6 MA's), (4, 58301), (5, 58283), (7, 58262), (9, 58244), (13, 58181), (17, 58079), (18, 58019), (19, 57953), (21, 57911), (23, 57830), (24, 57788), (27, 57749), (32, 57497), (34, 57476), (38, 57296), (39, 57284), (40, 57251), (41, 57242), (44, 57170), (45, 57158), (46, 57143),

Gene: Kubulix_96 Start: 59365, Stop: 58040, Start Num: 1

Candidate Starts for Kubulix_96:

(Start: 1 @59365 has 6 MA's), (4, 59260), (5, 59242), (7, 59221), (9, 59203), (13, 59140), (18, 58978), (19, 58912), (23, 58789), (24, 58747), (27, 58708), (29, 58624), (32, 58456), (34, 58435), (36, 58396), (38, 58255), (39, 58243), (40, 58210), (41, 58201), (42, 58183), (44, 58129), (45, 58117), (46, 58102),

Gene: MellowYellow_100 Start: 59608, Stop: 58283, Start Num: 1

Candidate Starts for MellowYellow_100:

(Start: 1 @59608 has 6 MA's), (5, 59488), (8, 59461), (10, 59401), (11, 59398), (14, 59332), (17, 59281), (20, 59137), (21, 59113), (23, 59032), (24, 58990), (27, 58951), (32, 58699), (34, 58678), (38, 58498), (39, 58486), (40, 58453), (41, 58444), (42, 58426), (44, 58372), (45, 58360), (46, 58345), (49, 58297),

Gene: NyleyClemson_100 Start: 59238, Stop: 57913, Start Num: 1

Candidate Starts for NyleyClemson_100:

(Start: 1 @59238 has 6 MA's), (5, 59118), (8, 59091), (10, 59031), (11, 59028), (14, 58962), (17, 58911), (20, 58767), (21, 58743), (23, 58662), (24, 58620), (27, 58581), (32, 58329), (34, 58308), (38, 58128), (39, 58116), (40, 58083), (41, 58074), (42, 58056), (44, 58002), (45, 57990), (46, 57975),

Gene: Odyssey395_99 Start: 59388, Stop: 58063, Start Num: 1

Candidate Starts for Odyssey395_99:

(Start: 1 @59388 has 6 MA's), (4, 59283), (5, 59265), (7, 59244), (9, 59226), (13, 59163), (18, 59001), (19, 58935), (23, 58812), (24, 58770), (27, 58731), (29, 58647), (32, 58479), (34, 58458), (38, 58278), (39, 58266), (40, 58233), (41, 58224), (42, 58206), (44, 58152), (45, 58140), (46, 58125), (49, 58077),

Gene: Ollypop_94 Start: 60723, Stop: 59386, Start Num: 1

Candidate Starts for Ollypop_94:

(Start: 1 @60723 has 6 MA's), (2, 60654), (7, 60594), (12, 60519), (14, 60453), (15, 60426), (16, 60423), (17, 60402), (22, 60222), (26, 60048), (28, 59991), (31, 59889), (33, 59796), (37, 59661), (41, 59556), (47, 59430),

Gene: Pointis_96 Start: 59281, Stop: 57959, Start Num: 1

Candidate Starts for Pointis_96:

(Start: 1 @59281 has 6 MA's), (5, 59158), (7, 59137), (16, 58975), (18, 58894), (19, 58828), (22, 58771), (23, 58708), (24, 58666), (27, 58627), (29, 58543), (32, 58375), (34, 58354), (38, 58174), (39, 58162), (40, 58129), (41, 58120), (42, 58102), (44, 58048), (45, 58036), (46, 58021), (49, 57973),

Gene: Pureglobe5_99 Start: 59946, Stop: 58624, Start Num: 1

Candidate Starts for Pureglobe5_99:

(Start: 1 @59946 has 6 MA's), (5, 59823), (7, 59802), (16, 59640), (18, 59559), (19, 59493), (22, 59436), (23, 59373), (24, 59331), (27, 59292), (29, 59208), (32, 59040), (34, 59019), (38, 58839), (39, 58827), (40, 58794), (41, 58785), (42, 58767), (44, 58713), (45, 58701), (46, 58686), (49, 58638),

Gene: Ranunculus_88 Start: 60245, Stop: 58917, Start Num: 1

Candidate Starts for Ranunculus_88:

(Start: 1 @60245 has 6 MA's), (3, 60152), (6, 60116), (10, 60035), (15, 59936), (24, 59624), (25, 59600), (27, 59585), (29, 59489), (34, 59321), (35, 59288), (36, 59282), (41, 59087), (42, 59069), (43, 59051), (48, 58955),

Gene: RazzB_96 Start: 58818, Stop: 57493, Start Num: 1

Candidate Starts for RazzB_96:

(Start: 1 @58818 has 6 MA's), (4, 58713), (5, 58695), (7, 58674), (9, 58656), (13, 58593), (17, 58491), (18, 58431), (19, 58365), (21, 58323), (23, 58242), (24, 58200), (27, 58161), (32, 57909), (34, 57888), (38, 57708), (39, 57696), (40, 57663), (41, 57654), (42, 57636), (44, 57582), (45, 57570), (46, 57555),