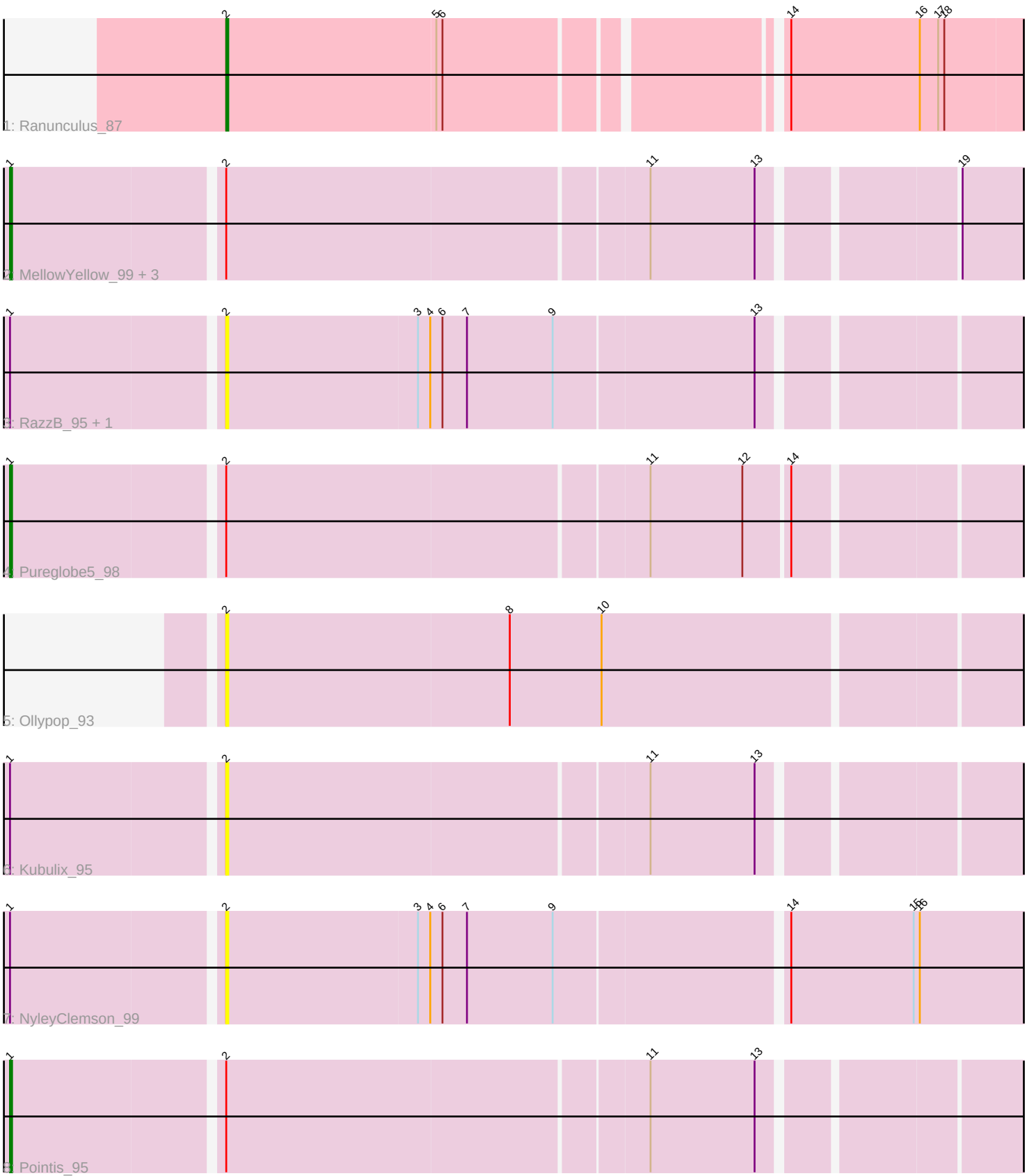
Pham 198642


1: Ranunculus_87
2: MellowYellow_99 + 3
3: RazzB_95 + 1
4: Pureglobe5_98
5: Ollypop_93
6: Kubulix_95
7: NyleyClemson_99
8: Pointis_95

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 198642 Report

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

Pham number 198642 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_87
• Track 2 : MellowYellow_99, DogYard_96, Odyssey395_98, Beagle_100
• Track 3 : RazzB_95, Forrestell_95
• Track 4 : Pureglobe5_98
• Track 5 : Ollypop_93
• Track 6 : Kubulix_95
• Track 7 : NyleyClemson_99
• Track 8 : Pointis_95

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

Genes that call this "Most Annotated" start:
• Beagle_100, DogYard_96, MellowYellow_99, Odyssey395_98, Pointis_95, Pureglobe5_98,

Genes that have the "Most Annotated" start but do not call it:
• Forrestell_95, Kubulix_95, NyleyClemson_99, RazzB_95,

Genes that do not have the "Most Annotated" start:
• Ollypop_93, Ranunculus_87,

Summary by start number:

Start 1:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Beagle_100 (AP2), DogYard_96 (AP2), MellowYellow_99 (AP2), Odyssey395_98 (AP2), Pointis_95 (AP2), Pureglobe5_98 (AP2),

Start 2:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Forrestell_95 (AP2), Kubulix_95 (AP2), NyleyClemson_99 (AP2), Ollypop_93 (AP2), Ranunculus_87 (AP), RazzB_95 (AP2),

Summary by clusters:

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

Info for manual annotations of cluster AP:
•Start number 2 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_100 Start: 58664, Stop: 58173, Start Num: 1
Candidate Starts for Beagle_100:
(Start: 1 @58664 has 5 MA's), (Start: 2 @58565 has 1 MA's), (11, 58364), (13, 58313), (19, 58226),

Gene: DogYard_96 Start: 58369, Stop: 57878, Start Num: 1
Candidate Starts for DogYard_96:
(Start: 1 @58369 has 5 MA's), (Start: 2 @58270 has 1 MA's), (11, 58069), (13, 58018), (19, 57931),

Gene: Forrestell_95 Start: 56978, Stop: 56583, Start Num: 2
Candidate Starts for Forrestell_95:
(Start: 1 @57077 has 5 MA's), (Start: 2 @56978 has 1 MA's), (3, 56885), (4, 56879), (6, 56873), (7, 56861), (9, 56819), (13, 56723),

Gene: Kubulix_95 Start: 57937, Stop: 57545, Start Num: 2
Candidate Starts for Kubulix_95:
(Start: 1 @58036 has 5 MA's), (Start: 2 @57937 has 1 MA's), (11, 57736), (13, 57685),

Gene: MellowYellow_99 Start: 58279, Stop: 57788, Start Num: 1
Candidate Starts for MellowYellow_99:
(Start: 1 @58279 has 5 MA's), (Start: 2 @58180 has 1 MA's), (11, 57979), (13, 57928), (19, 57841),

Gene: NyleyClemson_99 Start: 57810, Stop: 57406, Start Num: 2
Candidate Starts for NyleyClemson_99:
(Start: 1 @57909 has 5 MA's), (Start: 2 @57810 has 1 MA's), (3, 57717), (4, 57711), (6, 57705), (7, 57693), (9, 57651), (14, 57543), (15, 57483), (16, 57480),

Gene: Odyssey395_98 Start: 58059, Stop: 57568, Start Num: 1
Candidate Starts for Odyssey395_98:
(Start: 1 @58059 has 5 MA's), (Start: 2 @57960 has 1 MA's), (11, 57759), (13, 57708), (19, 57621),

Gene: Ollypop_93 Start: 59279, Stop: 58875, Start Num: 2
Candidate Starts for Ollypop_93:

(Start: 2 @59279 has 1 MA's), (8, 59141), (10, 59096),

Gene: Pointis_95 Start: 57955, Stop: 57464, Start Num: 1
Candidate Starts for Pointis_95:
(Start: 1 @57955 has 5 MA's), (Start: 2 @57856 has 1 MA's), (11, 57655), (13, 57604),

Gene: Pureglobe5_98 Start: 58620, Stop: 58126, Start Num: 1
Candidate Starts for Pureglobe5_98:
(Start: 1 @58620 has 5 MA's), (Start: 2 @58521 has 1 MA's), (11, 58320), (12, 58275), (14, 58254),

Gene: Ranunculus_87 Start: 58807, Stop: 58421, Start Num: 2
Candidate Starts for Ranunculus_87:
(Start: 2 @58807 has 1 MA's), (5, 58705), (6, 58702), (14, 58552), (16, 58489), (17, 58480), (18, 58477),

Gene: RazzB_95 Start: 57390, Stop: 56995, Start Num: 2
Candidate Starts for RazzB_95:
(Start: 1 @57489 has 5 MA's), (Start: 2 @57390 has 1 MA's), (3, 57297), (4, 57291), (6, 57285), (7, 57273), (9, 57231), (13, 57135),