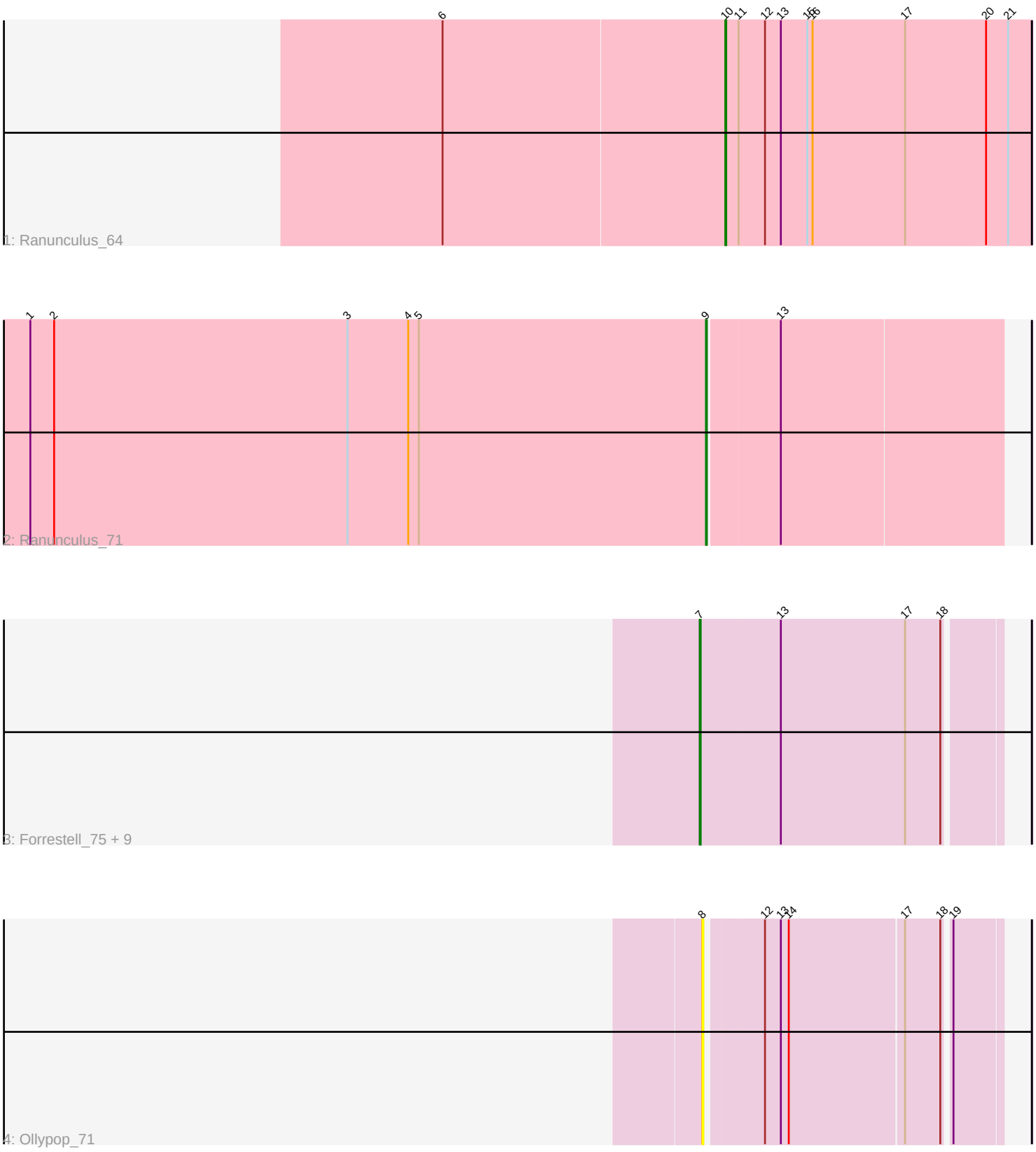
Pham 200722


6
10
11
12
13
15
16
17
20
21
1: Ranunculus_64
1
2
3
4
5
9
13
2: Ranunculus_71
7
13
17
18
3: Forrestell_75 + 9
8
12
13
14
17
18
19
4: Ollypop_71

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 200722 Report

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

Pham number 200722 has 13 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_64
• Track 2 : Ranunculus_71
• Track 3 : Forrestell_75, Beagle_79, Pureglobe5_77, DogYard_76, Odyssey395_79, NyleyClemson_78, MellowYellow_79, Pointis_75, RazzB_75, Kubulix_75
• Track 4 : Ollypop_71

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 7, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_79, DogYard_76, Forrestell_75, Kubulix_75, MellowYellow_79, NyleyClemson_78, Odyssey395_79, Pointis_75, Pureglobe5_77, RazzB_75,

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

Genes that do not have the "Most Annotated" start:
• Ollypop_71, Ranunculus_64, Ranunculus_71,

Summary by start number:

Start 7:
• Found in 10 of 13 (76.9%) 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_79 (AP2), DogYard_76 (AP2), Forrestell_75 (AP2), Kubulix_75 (AP2), MellowYellow_79 (AP2), NyleyClemson_78 (AP2), Odyssey395_79 (AP2), Pointis_75 (AP2), Pureglobe5_77 (AP2), RazzB_75 (AP2),

Start 8:
• Found in 1 of 13 (7.7%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ollypop_71 (AP2),

Start 9:
• Found in 1 of 13 (7.7%) 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: Ranunculus_71 (AP),

Start 10:
• Found in 1 of 13 (7.7%) 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: Ranunculus_64 (AP),

Summary by clusters:

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

Info for manual annotations of cluster AP:
•Start number 9 was manually annotated 1 time for cluster AP.
•Start number 10 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:
•Start number 7 was manually annotated 5 times for cluster AP2.

Gene Information:

Gene: Beagle_79 Start: 46458, Stop: 46129, Start Num: 7
Candidate Starts for Beagle_79:
(Start: 7 @46458 has 5 MA's), (13, 46368), (17, 46227), (18, 46188),

Gene: DogYard_76 Start: 46674, Stop: 46345, Start Num: 7
Candidate Starts for DogYard_76:
(Start: 7 @46674 has 5 MA's), (13, 46584), (17, 46443), (18, 46404),

Gene: Forrestell_75 Start: 45913, Stop: 45584, Start Num: 7
Candidate Starts for Forrestell_75:
(Start: 7 @45913 has 5 MA's), (13, 45823), (17, 45682), (18, 45643),

Gene: Kubulix_75 Start: 46344, Stop: 46015, Start Num: 7
Candidate Starts for Kubulix_75:
(Start: 7 @46344 has 5 MA's), (13, 46254), (17, 46113), (18, 46074),

Gene: MellowYellow_79 Start: 46586, Stop: 46257, Start Num: 7
Candidate Starts for MellowYellow_79:
(Start: 7 @46586 has 5 MA's), (13, 46496), (17, 46355), (18, 46316),

Gene: NyleyClemson_78 Start: 46201, Stop: 45872, Start Num: 7
Candidate Starts for NyleyClemson_78:

(Start: 7 @46201 has 5 MA's), (13, 46111), (17, 45970), (18, 45931),

Gene: Odyssey395_79 Start: 46695, Stop: 46366, Start Num: 7
Candidate Starts for Odyssey395_79:
(Start: 7 @46695 has 5 MA's), (13, 46605), (17, 46464), (18, 46425),

Gene: Ollypop_71 Start: 46710, Stop: 46402, Start Num: 8
Candidate Starts for Ollypop_71:
(8, 46710), (12, 46653), (13, 46635), (14, 46626), (17, 46500), (18, 46461), (19, 46455),

Gene: Pointis_75 Start: 46271, Stop: 45942, Start Num: 7
Candidate Starts for Pointis_75:
(Start: 7 @46271 has 5 MA's), (13, 46181), (17, 46040), (18, 46001),

Gene: Pureglobe5_77 Start: 46715, Stop: 46386, Start Num: 7
Candidate Starts for Pureglobe5_77:
(Start: 7 @46715 has 5 MA's), (13, 46625), (17, 46484), (18, 46445),

Gene: Ranunculus_64 Start: 46404, Stop: 46060, Start Num: 10
Candidate Starts for Ranunculus_64:
(6, 46722), (Start: 10 @46404 has 1 MA's), (11, 46389), (12, 46359), (13, 46341), (15, 46311), (16, 46305), (17, 46200), (20, 46110), (21, 46086),

Gene: Ranunculus_71 Start: 48849, Stop: 48523, Start Num: 9
Candidate Starts for Ranunculus_71:
(1, 49614), (2, 49587), (3, 49254), (4, 49185), (5, 49173), (Start: 9 @48849 has 1 MA's), (13, 48771),

Gene: RazzB_75 Start: 46323, Stop: 45994, Start Num: 7
Candidate Starts for RazzB_75:
(Start: 7 @46323 has 5 MA's), (13, 46233), (17, 46092), (18, 46053),