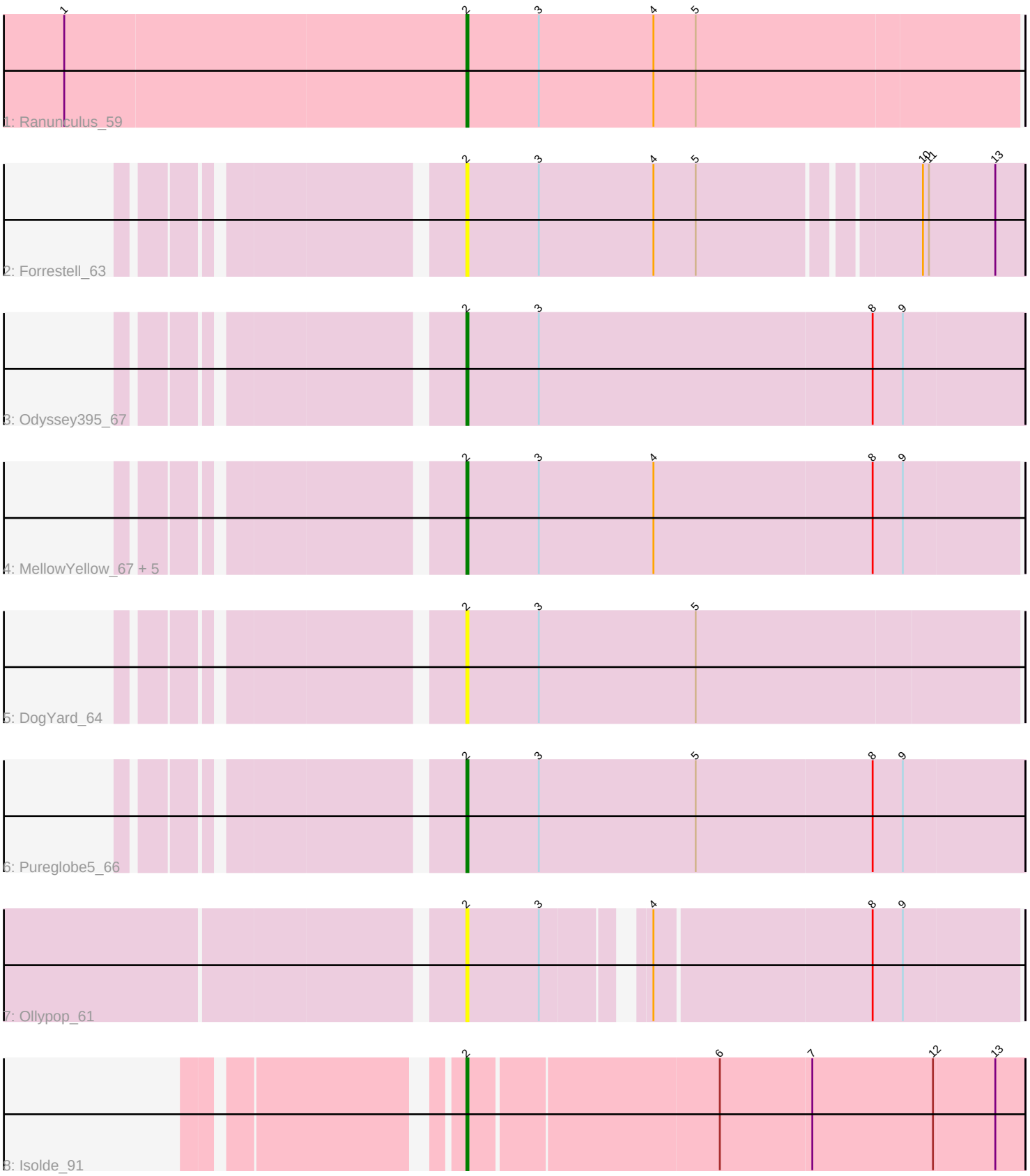
Pham 213123


1
2
3
4
5
1: Ranunculus_59
2
3
4
5
10
11
13
2: Forrestell_63
2
3
8
9
3: Odyssey395_67
2
3
4
8
9
4: MellowYellow_67 + 5
2
3
5
5: DogYard_64
2
3
5
8
9
6: Pureglobe5_66
2
3
4
8
9
7: Ollypop_61
2
6
7
12
13
8: Isolde_91

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 213123 Report

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

Pham number 213123 has 13 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_59
• Track 2 : Forrestell_63
• Track 3 : Odyssey395_67
• Track 4 : MellowYellow_67, NyleyClemson_66, Beagle_67, RazzB_63, Kubulix_64, Pointis_64
• Track 5 : DogYard_64
• Track 6 : Pureglobe5_66
• Track 7 : Ollypop_61
• Track 8 : Isolde_91

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_67, DogYard_64, Forrestell_63, Isolde_91, Kubulix_64, MellowYellow_67, NyleyClemson_66, Odyssey395_67, Ollypop_61, Pointis_64, Pureglobe5_66, Ranunculus_59, RazzB_63,

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 2:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_67 (AP2), DogYard_64 (AP2), Forrestell_63 (AP2), Isolde_91 (AY), Kubulix_64 (AP2), MellowYellow_67 (AP2),

NyleyClemson_66 (AP2), Odyssey395_67 (AP2), Ollypop_61 (AP2), Pointis_64 (AP2), Pureglobe5_66 (AP2), Ranunculus_59 (AP), RazzB_63 (AP2),

Summary by clusters:

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

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 2 was manually annotated 5 times for cluster AP2.

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: Beagle_67 Start: 42365, Stop: 42090, Start Num: 2
Candidate Starts for Beagle_67:
(Start: 2 @42365 has 7 MA's), (3, 42329), (4, 42272), (8, 42164), (9, 42149),

Gene: DogYard_64 Start: 42560, Stop: 42288, Start Num: 2
Candidate Starts for DogYard_64:
(Start: 2 @42560 has 7 MA's), (3, 42524), (5, 42446),

Gene: Forrestell_63 Start: 41892, Stop: 41626, Start Num: 2
Candidate Starts for Forrestell_63:
(Start: 2 @41892 has 7 MA's), (3, 41856), (4, 41799), (5, 41778), (10, 41676), (11, 41673), (13, 41640),

Gene: Isolde_91 Start: 50741, Stop: 51010, Start Num: 2
Candidate Starts for Isolde_91:
(Start: 2 @50741 has 7 MA's), (6, 50861), (7, 50906), (12, 50966), (13, 50996),

Gene: Kubulix_64 Start: 42478, Stop: 42203, Start Num: 2
Candidate Starts for Kubulix_64:
(Start: 2 @42478 has 7 MA's), (3, 42442), (4, 42385), (8, 42277), (9, 42262),

Gene: MellowYellow_67 Start: 42565, Stop: 42293, Start Num: 2
Candidate Starts for MellowYellow_67:
(Start: 2 @42565 has 7 MA's), (3, 42529), (4, 42472), (8, 42364), (9, 42349),

Gene: NyleyClemson_66 Start: 42180, Stop: 41908, Start Num: 2
Candidate Starts for NyleyClemson_66:
(Start: 2 @42180 has 7 MA's), (3, 42144), (4, 42087), (8, 41979), (9, 41964),

Gene: Odyssey395_67 Start: 42602, Stop: 42327, Start Num: 2
Candidate Starts for Odyssey395_67:
(Start: 2 @42602 has 7 MA's), (3, 42566), (8, 42401), (9, 42386),

Gene: Ollypop_61 Start: 43106, Stop: 42852, Start Num: 2

Candidate Starts for Ollypop_61:
(Start: 2 @43106 has 7 MA's), (3, 43070), (4, 43028), (8, 42923), (9, 42908),

Gene: Pointis_64 Start: 42405, Stop: 42130, Start Num: 2
Candidate Starts for Pointis_64:
(Start: 2 @42405 has 7 MA's), (3, 42369), (4, 42312), (8, 42204), (9, 42189),

Gene: Pureglobe5_66 Start: 42849, Stop: 42574, Start Num: 2
Candidate Starts for Pureglobe5_66:
(Start: 2 @42849 has 7 MA's), (3, 42813), (5, 42735), (8, 42648), (9, 42633),

Gene: Ranunculus_59 Start: 44856, Stop: 44584, Start Num: 2
Candidate Starts for Ranunculus_59:
(1, 45054), (Start: 2 @44856 has 7 MA's), (3, 44820), (4, 44763), (5, 44742),

Gene: RazzB_63 Start: 42311, Stop: 42039, Start Num: 2
Candidate Starts for RazzB_63:
(Start: 2 @42311 has 7 MA's), (3, 42275), (4, 42218), (8, 42110), (9, 42095),