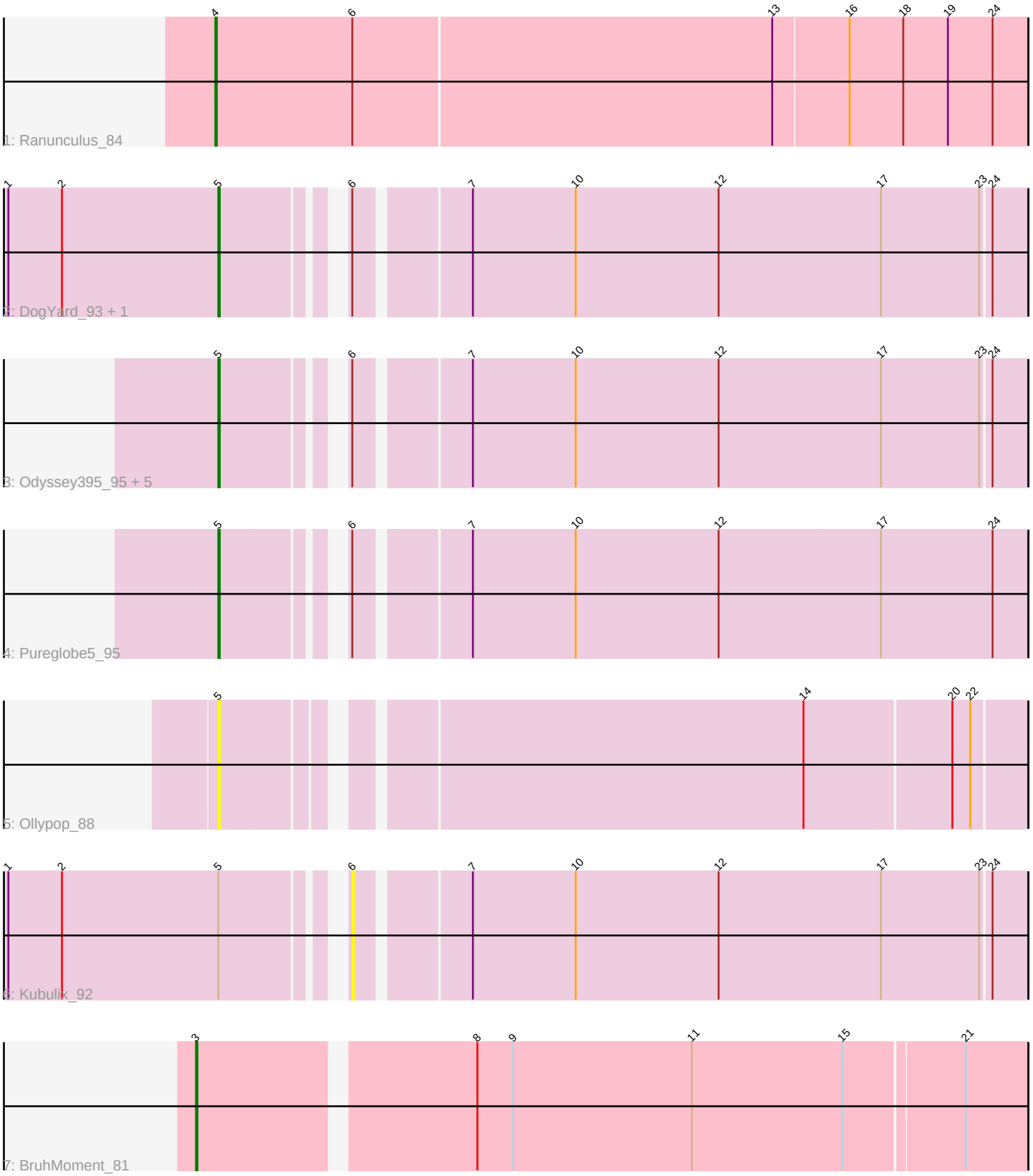
Pham 225017


4
6
13
16
18
19
24
1: Ranunculus_84
1
2
5
6
7
10
12
17
23
24
2: DogYard_93 + 1
5
6
7
10
12
17
23
24
3: Odyssey395_95 + 5
5
6
7
10
12
17
24
4: Pureglobe5_95
5
14
20
22
5: Ollypop_88
1
2
5
6
7
10
12
17
23
24
6: Kubulik_92
3
8
9
11
15
21
7: BruhMoment_81

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 225017 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225017 has 13 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_84
• Track 2 : DogYard_93, Beagle_97
• Track 3 : Odyssey395_95, Forrestell_91, NyleyClemson_95, MellowYellow_96, RazzB_91, Pointis_92
• Track 4 : Pureglobe5_95
• Track 5 : Ollypop_88
• Track 6 : Kubulix_92
• Track 7 : BruhMoment_81

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

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

Genes that call this "Most Annotated" start:
• Beagle_97, DogYard_93, Forrestell_91, MellowYellow_96, NyleyClemson_95, Odyssey395_95, Ollypop_88, Pointis_92, Pureglobe5_95, RazzB_91,

Genes that have the "Most Annotated" start but do not call it:
• Kubulix_92,

Genes that do not have the "Most Annotated" start:
• BruhMoment_81, Ranunculus_84,

Summary by start number:

Start 3:
• 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: BruhMoment_81 (AP3),

Start 4:
• 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_84 (AP),

Start 5:
• Found in 11 of 13 (84.6%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Beagle_97 (AP2), DogYard_93 (AP2), Forrestell_91 (AP2), MellowYellow_96 (AP2), NyleyClemson_95 (AP2), Odyssey395_95 (AP2), Ollypop_88 (AP2), Pointis_92 (AP2), Pureglobe5_95 (AP2), RazzB_91 (AP2),

Start 6:
• Found in 11 of 13 (84.6%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Kubulix_92 (AP2),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP, AP3,

Info for manual annotations of cluster AP:
•Start number 4 was manually annotated 1 time for cluster AP.

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

Info for manual annotations of cluster AP3:
•Start number 3 was manually annotated 1 time for cluster AP3.

Gene Information:

Gene: Beagle_97 Start: 57048, Stop: 56548, Start Num: 5
Candidate Starts for Beagle_97:
(1, 57189), (2, 57153), (Start: 5 @57048 has 5 MA's), (6, 56985), (7, 56916), (10, 56847), (12, 56751), (17, 56643), (23, 56577), (24, 56571),

Gene: BruhMoment_81 Start: 54342, Stop: 53806, Start Num: 3
Candidate Starts for BruhMoment_81:
(Start: 3 @54342 has 1 MA's), (8, 54168), (9, 54144), (11, 54024), (15, 53925), (21, 53847),

Gene: DogYard_93 Start: 56753, Stop: 56253, Start Num: 5
Candidate Starts for DogYard_93:
(1, 56894), (2, 56858), (Start: 5 @56753 has 5 MA's), (6, 56690), (7, 56621), (10, 56552), (12, 56456), (17, 56348), (23, 56282), (24, 56276),

Gene: Forrestell_91 Start: 55457, Stop: 54957, Start Num: 5
Candidate Starts for Forrestell_91:

(Start: 5 @55457 has 5 MA's), (6, 55394), (7, 55325), (10, 55256), (12, 55160), (17, 55052), (23, 54986), (24, 54980),

Gene: Kubulix_92 Start: 56357, Stop: 55920, Start Num: 6
Candidate Starts for Kubulix_92:
(1, 56561), (2, 56525), (Start: 5 @56420 has 5 MA's), (6, 56357), (7, 56288), (10, 56219), (12, 56123), (17, 56015), (23, 55949), (24, 55943),

Gene: MellowYellow_96 Start: 56662, Stop: 56162, Start Num: 5
Candidate Starts for MellowYellow_96:
(Start: 5 @56662 has 5 MA's), (6, 56599), (7, 56530), (10, 56461), (12, 56365), (17, 56257), (23, 56191), (24, 56185),

Gene: NyleyClemson_95 Start: 56280, Stop: 55780, Start Num: 5
Candidate Starts for NyleyClemson_95:
(Start: 5 @56280 has 5 MA's), (6, 56217), (7, 56148), (10, 56079), (12, 55983), (17, 55875), (23, 55809), (24, 55803),

Gene: Odyssey395_95 Start: 56442, Stop: 55942, Start Num: 5
Candidate Starts for Odyssey395_95:
(Start: 5 @56442 has 5 MA's), (6, 56379), (7, 56310), (10, 56241), (12, 56145), (17, 56037), (23, 55971), (24, 55965),

Gene: Ollypop_88 Start: 57263, Stop: 56763, Start Num: 5
Candidate Starts for Ollypop_88:
(Start: 5 @57263 has 5 MA's), (14, 56906), (20, 56810), (22, 56798),

Gene: Pointis_92 Start: 56338, Stop: 55838, Start Num: 5
Candidate Starts for Pointis_92:
(Start: 5 @56338 has 5 MA's), (6, 56275), (7, 56206), (10, 56137), (12, 56041), (17, 55933), (23, 55867), (24, 55861),

Gene: Pureglobe5_95 Start: 57000, Stop: 56497, Start Num: 5
Candidate Starts for Pureglobe5_95:
(Start: 5 @57000 has 5 MA's), (6, 56937), (7, 56868), (10, 56799), (12, 56703), (17, 56595), (24, 56520),

Gene: Ranunculus_84 Start: 57270, Stop: 56734, Start Num: 4
Candidate Starts for Ranunculus_84:
(Start: 4 @57270 has 1 MA's), (6, 57180), (13, 56901), (16, 56853), (18, 56817), (19, 56787), (24, 56757),

Gene: RazzB_91 Start: 55869, Stop: 55369, Start Num: 5
Candidate Starts for RazzB_91:
(Start: 5 @55869 has 5 MA's), (6, 55806), (7, 55737), (10, 55668), (12, 55572), (17, 55464), (23, 55398), (24, 55392),