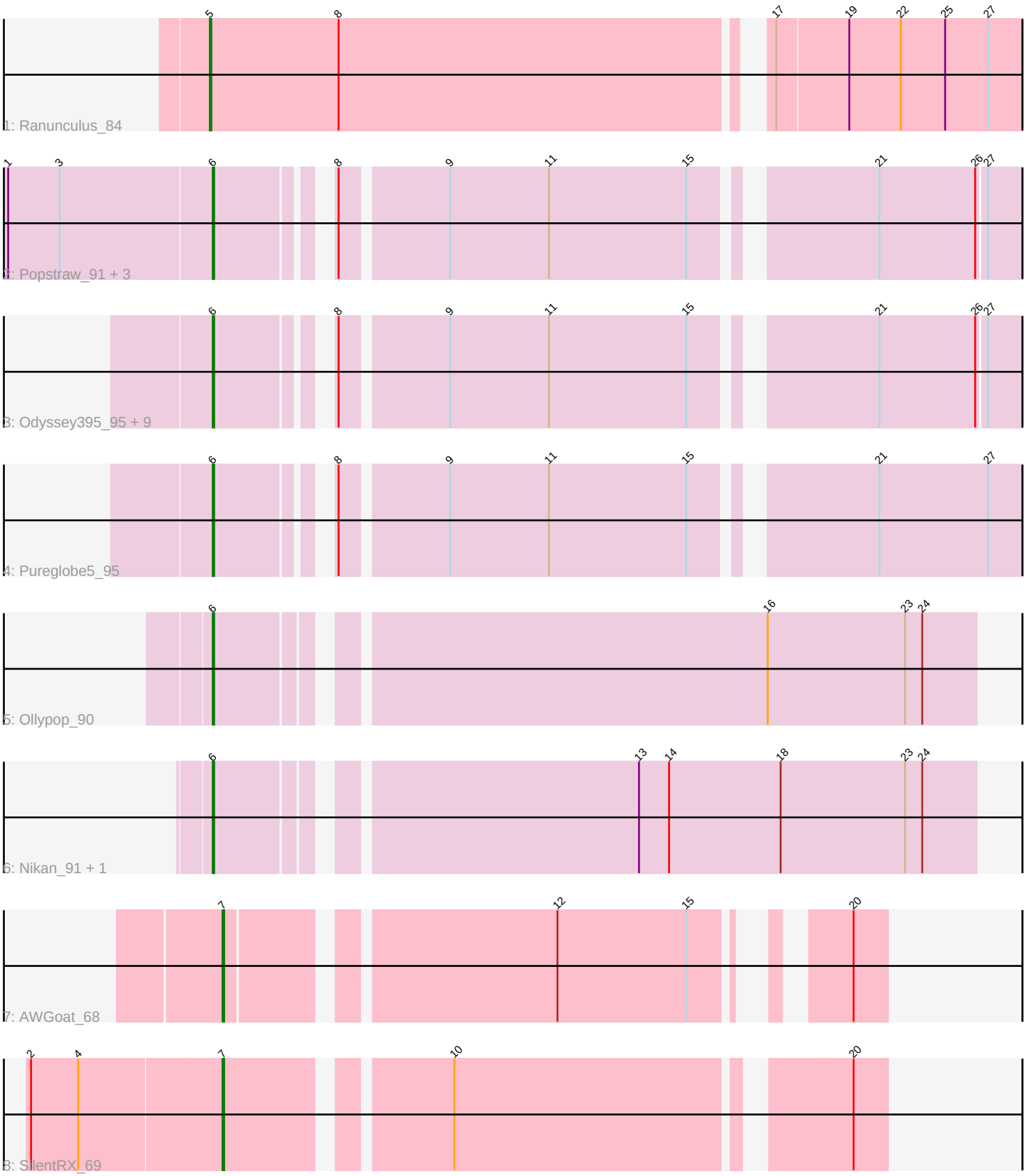
Pham 348036


5
8
17
19
22
25
27
1: Ranunculus_84
1
3
6
8
9
11
15
21
26
27
2: Popstraw_91 + 3
6
8
9
11
15
21
26
27
3: Odyssey395_95 + 9
6
8
9
11
15
21
27
4: Pureglobe5_95
6
16
23
24
5: Ollypop_90
6
13
14
18
23
24
6: Nikan_91 + 1
7
12
15
20
7: AWGoat_68
2
4
7
10
20
8: SilentRX_69

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 348036 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348036 has 21 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_84
• Track 2 : Popstraw_91, Beagle_97, DogYard_95, Kubulix_95
• Track 3 : Odyssey395_95, Hive_92, PhuzzTulsa_93, NyleyClemson_94, Forrestell_94, BetaFish_96, RIPWilbur_94, RazzB_94, MellowYellow_96, Pointis_92
• Track 4 : Pureglobe5_95
• Track 5 : Ollypop_90
• Track 6 : Nikan_91, Ren19_88
• Track 7 : AWGoat_68
• Track 8 : SilentRX_69

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

The start number called the most often in the published annotations is 6, it was called in 15 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_97, BetaFish_96, DogYard_95, Forrestell_94, Hive_92, Kubulix_95, MellowYellow_96, Nikan_91, NyleyClemson_94, Odyssey395_95, Ollypop_90, PhuzzTulsa_93, Pointis_92, Popstraw_91, Pureglobe5_95, RIPWilbur_94, RazzB_94, Ren19_88,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_68, Ranunculus_84, SilentRX_69,

Summary by start number:

Start 5:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ranunculus_84 (AP),

Start 6:
• Found in 18 of 21 (85.7%) of genes in pham
• Manual Annotations of this start: 15 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_97 (AP2), BetaFish_96 (AP2), DogYard_95 (AP2), Forrestell_94 (AP2), Hive_92 (AP2), Kubulix_95 (AP2), MellowYellow_96 (AP2), Nikan_91 (AP2), NyleyClemson_94 (AP2), Odyssey395_95 (AP2), Ollypop_90 (AP2), PhuzzTulsa_93 (AP2), Pointis_92 (AP2), Popstraw_91 (AP2), Pureglobe5_95 (AP2), RIPWilbur_94 (AP2), RazzB_94 (AP2), Ren19_88 (AP2),

Start 7:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_68 (AP4), SilentRX_69 (AP4),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP, AP4,

Info for manual annotations of cluster AP:
•Start number 5 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:
•Start number 6 was manually annotated 15 times for cluster AP2.

Info for manual annotations of cluster AP4:
•Start number 7 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_68 Start: 49292, Stop: 48906, Start Num: 7
Candidate Starts for AWGoat_68:
(Start: 7 @49292 has 2 MA's), (12, 49085), (15, 48995), (20, 48929),

Gene: Beagle_97 Start: 57048, Stop: 56548, Start Num: 6
Candidate Starts for Beagle_97:
(1, 57189), (3, 57153), (Start: 6 @57048 has 15 MA's), (8, 56985), (9, 56916), (11, 56847), (15, 56751), (21, 56643), (26, 56577), (27, 56571),

Gene: BetaFish_96 Start: 57263, Stop: 56763, Start Num: 6
Candidate Starts for BetaFish_96:
(Start: 6 @57263 has 15 MA's), (8, 57200), (9, 57131), (11, 57062), (15, 56966), (21, 56858), (26, 56792), (27, 56786),

Gene: DogYard_95 Start: 56753, Stop: 56253, Start Num: 6
Candidate Starts for DogYard_95:
(1, 56894), (3, 56858), (Start: 6 @56753 has 15 MA's), (8, 56690), (9, 56621), (11, 56552), (15, 56456), (21, 56348), (26, 56282), (27, 56276),

Gene: Forrestell_94 Start: 55457, Stop: 54957, Start Num: 6
Candidate Starts for Forrestell_94:
(Start: 6 @55457 has 15 MA's), (8, 55394), (9, 55325), (11, 55256), (15, 55160), (21, 55052), (26, 54986), (27, 54980),

Gene: Hive_92 Start: 56736, Stop: 56236, Start Num: 6
Candidate Starts for Hive_92:
(Start: 6 @56736 has 15 MA's), (8, 56673), (9, 56604), (11, 56535), (15, 56439), (21, 56331), (26, 56265), (27, 56259),

Gene: Kubulix_95 Start: 56420, Stop: 55920, Start Num: 6
Candidate Starts for Kubulix_95:
(1, 56561), (3, 56525), (Start: 6 @56420 has 15 MA's), (8, 56357), (9, 56288), (11, 56219), (15, 56123), (21, 56015), (26, 55949), (27, 55943),

Gene: MellowYellow_96 Start: 56662, Stop: 56162, Start Num: 6
Candidate Starts for MellowYellow_96:
(Start: 6 @56662 has 15 MA's), (8, 56599), (9, 56530), (11, 56461), (15, 56365), (21, 56257), (26, 56191), (27, 56185),

Gene: Nikan_91 Start: 56424, Stop: 55924, Start Num: 6
Candidate Starts for Nikan_91:
(Start: 6 @56424 has 15 MA's), (13, 56157), (14, 56136), (18, 56058), (23, 55971), (24, 55959),

Gene: NyleyClemson_94 Start: 56280, Stop: 55780, Start Num: 6
Candidate Starts for NyleyClemson_94:
(Start: 6 @56280 has 15 MA's), (8, 56217), (9, 56148), (11, 56079), (15, 55983), (21, 55875), (26, 55809), (27, 55803),

Gene: Odyssey395_95 Start: 56442, Stop: 55942, Start Num: 6
Candidate Starts for Odyssey395_95:
(Start: 6 @56442 has 15 MA's), (8, 56379), (9, 56310), (11, 56241), (15, 56145), (21, 56037), (26, 55971), (27, 55965),

Gene: Ollypop_90 Start: 57263, Stop: 56763, Start Num: 6
Candidate Starts for Ollypop_90:
(Start: 6 @57263 has 15 MA's), (16, 56906), (23, 56810), (24, 56798),

Gene: PhuzzTulsa_93 Start: 56890, Stop: 56390, Start Num: 6
Candidate Starts for PhuzzTulsa_93:
(Start: 6 @56890 has 15 MA's), (8, 56827), (9, 56758), (11, 56689), (15, 56593), (21, 56485), (26, 56419), (27, 56413),

Gene: Pointis_92 Start: 56338, Stop: 55838, Start Num: 6
Candidate Starts for Pointis_92:
(Start: 6 @56338 has 15 MA's), (8, 56275), (9, 56206), (11, 56137), (15, 56041), (21, 55933), (26, 55867), (27, 55861),

Gene: Popstraw_91 Start: 56515, Stop: 56015, Start Num: 6
Candidate Starts for Popstraw_91:
(1, 56656), (3, 56620), (Start: 6 @56515 has 15 MA's), (8, 56452), (9, 56383), (11, 56314), (15, 56218), (21, 56110), (26, 56044), (27, 56038),

Gene: Pureglobe5_95 Start: 57000, Stop: 56497, Start Num: 6
Candidate Starts for Pureglobe5_95:
(Start: 6 @57000 has 15 MA's), (8, 56937), (9, 56868), (11, 56799), (15, 56703), (21, 56595), (27, 56520),

Gene: RIPWilbur_94 Start: 56317, Stop: 55817, Start Num: 6
Candidate Starts for RIPWilbur_94:
(Start: 6 @56317 has 15 MA's), (8, 56254), (9, 56185), (11, 56116), (15, 56020), (21, 55912), (26, 55846), (27, 55840),

Gene: Ranunculus_84 Start: 57270, Stop: 56734, Start Num: 5
Candidate Starts for Ranunculus_84:
(Start: 5 @57270 has 1 MA's), (8, 57180), (17, 56901), (19, 56853), (22, 56817), (25, 56787), (27, 56757),

Gene: RazzB_94 Start: 55869, Stop: 55369, Start Num: 6
Candidate Starts for RazzB_94:
(Start: 6 @55869 has 15 MA's), (8, 55806), (9, 55737), (11, 55668), (15, 55572), (21, 55464), (26, 55398), (27, 55392),

Gene: Ren19_88 Start: 55449, Stop: 54949, Start Num: 6
Candidate Starts for Ren19_88:
(Start: 6 @55449 has 15 MA's), (13, 55182), (14, 55161), (18, 55083), (23, 54996), (24, 54984),

Gene: SilentRX_69 Start: 50132, Stop: 49719, Start Num: 7
Candidate Starts for SilentRX_69:
(2, 50258), (4, 50225), (Start: 7 @50132 has 2 MA's), (10, 49994), (20, 49742),