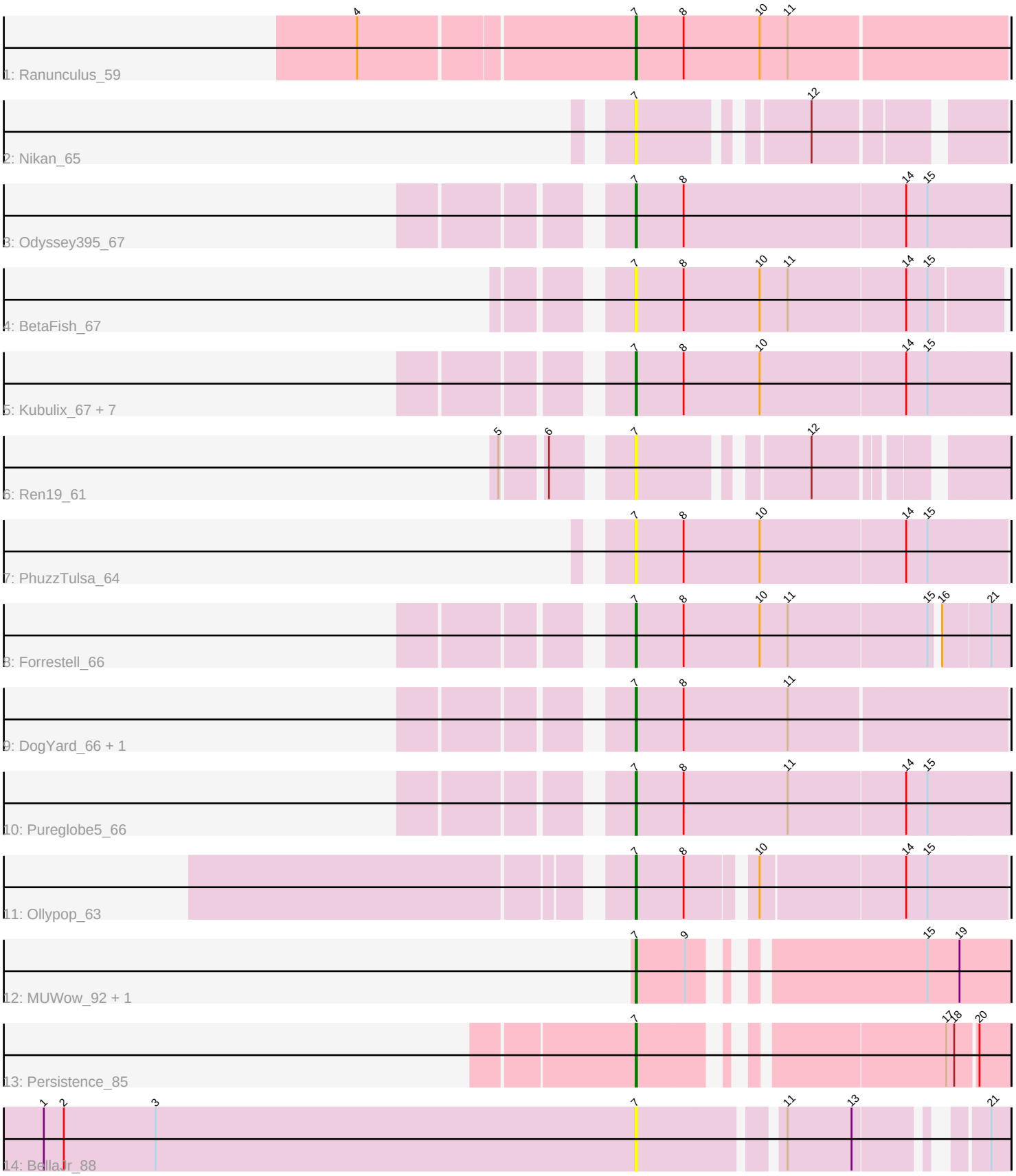
Pham 311982


1: Ranunculus_59
2: Nikan_65
3: Odyssey395_67
4: BetaFish_67
5: Kubulix_67 + 7
6: Ren19_61
7: PhuzzTulsa_64
8: Forrestell_66
9: DogYard_66 + 1
10: Pureglobe5_66
11: Ollypop_63
12: MUWow_92 + 1
13: Persistence_85
14: BellaJr_88

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 311982 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311982 has 23 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_59
• Track 2 : Nikan_65
• Track 3 : Odyssey395_67
• Track 4 : BetaFish_67
• Track 5 : Kubulix_67, RIPWilbur_66, NyleyClemson_65, MellowYellow_67, Beagle_67, RazzB_66, Pointis_64, Hive_63
• Track 6 : Ren19_61
• Track 7 : PhuzzTulsa_64
• Track 8 : Forrestell_66
• Track 9 : DogYard_66, Popstraw_62
• Track 10 : Pureglobe5_66
• Track 11 : Ollypop_63
• Track 12 : MUWow_92, NewKitty_91
• Track 13 : Persistence_85
• Track 14 : BellaJr_88

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_67, BellaJr_88, BetaFish_67, DogYard_66, Forrestell_66, Hive_63, Kubulix_67, MUWow_92, MellowYellow_67, NewKitty_91, Nikan_65, NyleyClemson_65, Odyssey395_67, Ollypop_63, Persistence_85, PhuzzTulsa_64, Pointis_64, Popstraw_62, Pureglobe5_66, RIPWilbur_66, Ranunculus_59, RazzB_66, Ren19_61,

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 7:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_67 (AP2), BellaJr_88 (FN), BetaFish_67 (AP2), DogYard_66 (AP2), Forrestell_66 (AP2), Hive_63 (AP2), Kubulix_67 (AP2), MUWow_92 (AY), MellowYellow_67 (AP2), NewKitty_91 (AY), Nikan_65 (AP2), NyleyClemson_65 (AP2), Odyssey395_67 (AP2), Ollypop_63 (AP2), Persistence_85 (AY), PhuzzTulsa_64 (AP2), Pointis_64 (AP2), Popstraw_62 (AP2), Pureglobe5_66 (AP2), RIPWilbur_66 (AP2), Ranunculus_59 (AP), RazzB_66 (AP2), Ren19_61 (AP2),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP, AY, FN,

Info for manual annotations of cluster AP:
•Start number 7 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:
•Start number 7 was manually annotated 12 times for cluster AP2.

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

Gene Information:

Gene: Beagle_67 Start: 42365, Stop: 42090, Start Num: 7
Candidate Starts for Beagle_67:
(Start: 7 @42365 has 15 MA's), (8, 42329), (10, 42272), (14, 42164), (15, 42149),

Gene: BellaJr_88 Start: 49498, Stop: 49731, Start Num: 7
Candidate Starts for BellaJr_88:
(1, 49054), (2, 49069), (3, 49138), (Start: 7 @49498 has 15 MA's), (11, 49594), (13, 49642), (21, 49717),

Gene: BetaFish_67 Start: 43321, Stop: 43055, Start Num: 7
Candidate Starts for BetaFish_67:
(Start: 7 @43321 has 15 MA's), (8, 43285), (10, 43228), (11, 43207), (14, 43120), (15, 43105),

Gene: DogYard_66 Start: 42560, Stop: 42288, Start Num: 7
Candidate Starts for DogYard_66:
(Start: 7 @42560 has 15 MA's), (8, 42524), (11, 42446),

Gene: Forrestell_66 Start: 41892, Stop: 41626, Start Num: 7
Candidate Starts for Forrestell_66:
(Start: 7 @41892 has 15 MA's), (8, 41856), (10, 41799), (11, 41778), (15, 41676), (16, 41673), (21, 41640),

Gene: Hive_63 Start: 42585, Stop: 42313, Start Num: 7
Candidate Starts for Hive_63:
(Start: 7 @42585 has 15 MA's), (8, 42549), (10, 42492), (14, 42384), (15, 42369),

Gene: Kubulix_67 Start: 42478, Stop: 42203, Start Num: 7
Candidate Starts for Kubulix_67:
(Start: 7 @42478 has 15 MA's), (8, 42442), (10, 42385), (14, 42277), (15, 42262),

Gene: MUWow_92 Start: 50937, Stop: 51179, Start Num: 7
Candidate Starts for MUWow_92:
(Start: 7 @50937 has 15 MA's), (9, 50973), (15, 51117), (19, 51141),

Gene: MellowYellow_67 Start: 42565, Stop: 42293, Start Num: 7
Candidate Starts for MellowYellow_67:
(Start: 7 @42565 has 15 MA's), (8, 42529), (10, 42472), (14, 42364), (15, 42349),

Gene: NewKitty_91 Start: 50380, Stop: 50622, Start Num: 7
Candidate Starts for NewKitty_91:
(Start: 7 @50380 has 15 MA's), (9, 50416), (15, 50560), (19, 50584),

Gene: Nikan_65 Start: 42436, Stop: 42206, Start Num: 7
Candidate Starts for Nikan_65:
(Start: 7 @42436 has 15 MA's), (12, 42328),

Gene: NyleyClemson_65 Start: 42180, Stop: 41908, Start Num: 7
Candidate Starts for NyleyClemson_65:
(Start: 7 @42180 has 15 MA's), (8, 42144), (10, 42087), (14, 41979), (15, 41964),

Gene: Odyssey395_67 Start: 42602, Stop: 42327, Start Num: 7
Candidate Starts for Odyssey395_67:
(Start: 7 @42602 has 15 MA's), (8, 42566), (14, 42401), (15, 42386),

Gene: Ollypop_63 Start: 43106, Stop: 42852, Start Num: 7
Candidate Starts for Ollypop_63:
(Start: 7 @43106 has 15 MA's), (8, 43070), (10, 43028), (14, 42923), (15, 42908),

Gene: Persistence_85 Start: 47551, Stop: 47787, Start Num: 7
Candidate Starts for Persistence_85:
(Start: 7 @47551 has 15 MA's), (17, 47743), (18, 47749), (20, 47764),

Gene: PhuzzTulsa_64 Start: 42826, Stop: 42554, Start Num: 7
Candidate Starts for PhuzzTulsa_64:
(Start: 7 @42826 has 15 MA's), (8, 42790), (10, 42733), (14, 42625), (15, 42610),

Gene: Pointis_64 Start: 42405, Stop: 42130, Start Num: 7
Candidate Starts for Pointis_64:
(Start: 7 @42405 has 15 MA's), (8, 42369), (10, 42312), (14, 42204), (15, 42189),

Gene: Popstraw_62 Start: 42319, Stop: 42047, Start Num: 7
Candidate Starts for Popstraw_62:
(Start: 7 @42319 has 15 MA's), (8, 42283), (11, 42205),

Gene: Pureglobe5_66 Start: 42849, Stop: 42574, Start Num: 7
Candidate Starts for Pureglobe5_66:
(Start: 7 @42849 has 15 MA's), (8, 42813), (11, 42735), (14, 42648), (15, 42633),

Gene: RIPWilbur_66 Start: 42443, Stop: 42171, Start Num: 7
Candidate Starts for RIPWilbur_66:
(Start: 7 @42443 has 15 MA's), (8, 42407), (10, 42350), (14, 42242), (15, 42227),

Gene: Ranunculus_59 Start: 44856, Stop: 44584, Start Num: 7
Candidate Starts for Ranunculus_59:
(4, 45054), (Start: 7 @44856 has 15 MA's), (8, 44820), (10, 44763), (11, 44742),

Gene: RazzB_66 Start: 42311, Stop: 42039, Start Num: 7
Candidate Starts for RazzB_66:
(Start: 7 @42311 has 15 MA's), (8, 42275), (10, 42218), (14, 42110), (15, 42095),

Gene: Ren19_61 Start: 42043, Stop: 41816, Start Num: 7
Candidate Starts for Ren19_61:
(5, 42118), (6, 42091), (Start: 7 @42043 has 15 MA's), (12, 41935),