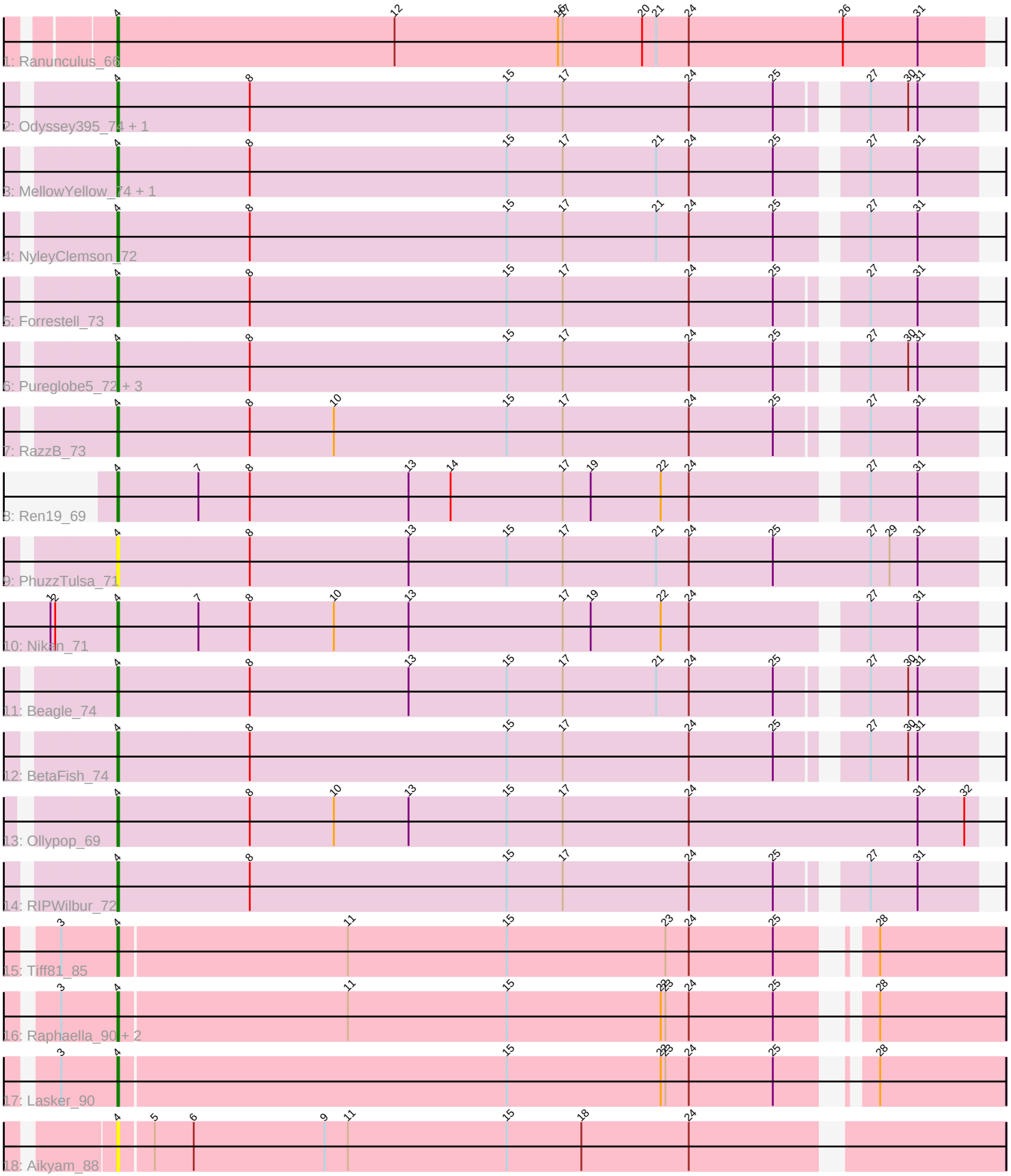
Pham 347967


1: Ranunculus_66
2: Odyssey395_74 + 1
3: MellowYellow_74 + 1
4: NyleyClemson_72
5: Forrestell_73
6: Pureglobe5_72 + 3
7: RazzB_73
8: Ren19_69
9: PhuzzTulsa_71
10: Nikan_71
11: Beagle_74
12: BetaFish_74
13: Ollypop_69
14: RIPWilbur_72
15: Tiff81_85
16: Raphaella_90 + 2
17: Lasker_90
18: Aikyam_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 347967 Report

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

Pham number 347967 has 25 members, 5 are drafts.

Phages represented in each track:
- Track 1 : Ranunculus_66
- Track 2 : Odyssey395_74, DogYard_73
- Track 3 : MellowYellow_74, Popstraw_69
- Track 4 : NyleyClemson_72
- Track 5 : Forrestell_73
- Track 6 : Pureglobe5_72, Pointis_70, Kubulix_73, Hive_69
- Track 7 : RazzB_73
- Track 8 : Ren19_69
- Track 9 : PhuzzTulsa_71
- Track 10 : Nikan_71
- Track 11 : Beagle_74
- Track 12 : BetaFish_74
- Track 13 : Ollypop_69
- Track 14 : RIPWilbur_72
- Track 15 : Tiff81_85
- Track 16 : Raphaella_90, Vopal_91, MurphyJoseph_90
- Track 17 : Lasker_90
- Track 18 : Aikyam_88

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

The start number called the most often in the published annotations is 4, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Aikyam_88, Beagle_74, BetaFish_74, DogYard_73, Forrestell_73, Hive_69, Kubulix_73, Lasker_90, MellowYellow_74, MurphyJoseph_90, Nikan_71, NyleyClemson_72, Odyssey395_74, Ollypop_69, PhuzzTulsa_71, Pointis_70, Popstraw_69, Pureglobe5_72, RIPWilbur_72, Ranunculus_66, Raphaella_90, RazzB_73, Ren19_69, Tiff81_85, Vopal_91,

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 4:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_88 (AY), Beagle_74 (AP2), BetaFish_74 (AP2), DogYard_73 (AP2), Forrestell_73 (AP2), Hive_69 (AP2), Kubulix_73 (AP2), Lasker_90 (AY), MellowYellow_74 (AP2), MurphyJoseph_90 (AY), Nikan_71 (AP2), NyleyClemson_72 (AP2), Odyssey395_74 (AP2), Ollypop_69 (AP2), PhuzzTulsa_71 (AP2), Pointis_70 (AP2), Popstraw_69 (AP2), Pureglobe5_72 (AP2), RIPWilbur_72 (AP2), Ranunculus_66 (AP), Raphaella_90 (AY), RazzB_73 (AP2), Ren19_69 (AP2), Tiff81_85 (AY), Vopal_91 (AY),

Summary by clusters:

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

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 4 was manually annotated 15 times for cluster AP2.

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 4 times for cluster AY.

Gene Information:

Gene: Aikyam_88 Start: 47939, Stop: 48487, Start Num: 4
Candidate Starts for Aikyam_88:
(Start: 4 @47939 has 20 MA's), (5, 47960), (6, 47984), (9, 48068), (11, 48083), (15, 48185), (18, 48233), (24, 48302),

Gene: Beagle_74 Start: 45004, Stop: 44471, Start Num: 4
Candidate Starts for Beagle_74:
(Start: 4 @45004 has 20 MA's), (8, 44920), (13, 44818), (15, 44755), (17, 44719), (21, 44659), (24, 44638), (25, 44584), (27, 44539), (30, 44515), (31, 44509),

Gene: BetaFish_74 Start: 45733, Stop: 45200, Start Num: 4
Candidate Starts for BetaFish_74:
(Start: 4 @45733 has 20 MA's), (8, 45649), (15, 45484), (17, 45448), (24, 45367), (25, 45313), (27, 45268), (30, 45244), (31, 45238),

Gene: DogYard_73 Start: 45220, Stop: 44687, Start Num: 4
Candidate Starts for DogYard_73:
(Start: 4 @45220 has 20 MA's), (8, 45136), (15, 44971), (17, 44935), (24, 44854), (25, 44800), (27, 44755), (30, 44731), (31, 44725),

Gene: Forrestell_73 Start: 44528, Stop: 43995, Start Num: 4
Candidate Starts for Forrestell_73:
(Start: 4 @44528 has 20 MA's), (8, 44444), (15, 44279), (17, 44243), (24, 44162), (25, 44108), (27, 44063), (31, 44033),

Gene: Hive_69 Start: 45000, Stop: 44467, Start Num: 4
Candidate Starts for Hive_69:
(Start: 4 @45000 has 20 MA's), (8, 44916), (15, 44751), (17, 44715), (24, 44634), (25, 44580), (27, 44535), (30, 44511), (31, 44505),

Gene: Kubulix_73 Start: 44890, Stop: 44357, Start Num: 4
Candidate Starts for Kubulix_73:
(Start: 4 @44890 has 20 MA's), (8, 44806), (15, 44641), (17, 44605), (24, 44524), (25, 44470), (27, 44425), (30, 44401), (31, 44395),

Gene: Lasker_90 Start: 50641, Stop: 51180, Start Num: 4
Candidate Starts for Lasker_90:
(3, 50605), (Start: 4 @50641 has 20 MA's), (15, 50887), (22, 50986), (23, 50989), (24, 51004), (25, 51058), (28, 51100),

Gene: MellowYellow_74 Start: 45201, Stop: 44665, Start Num: 4
Candidate Starts for MellowYellow_74:
(Start: 4 @45201 has 20 MA's), (8, 45117), (15, 44952), (17, 44916), (21, 44856), (24, 44835), (25, 44781), (27, 44733), (31, 44703),

Gene: MurphyJoseph_90 Start: 48254, Stop: 48793, Start Num: 4
Candidate Starts for MurphyJoseph_90:
(3, 48218), (Start: 4 @48254 has 20 MA's), (11, 48398), (15, 48500), (22, 48599), (23, 48602), (24, 48617), (25, 48671), (28, 48713),

Gene: Nikan_71 Start: 45393, Stop: 44857, Start Num: 4
Candidate Starts for Nikan_71:
(1, 45435), (2, 45432), (Start: 4 @45393 has 20 MA's), (7, 45342), (8, 45309), (10, 45255), (13, 45207), (17, 45108), (19, 45090), (22, 45045), (24, 45027), (27, 44925), (31, 44895),

Gene: NyleyClemson_72 Start: 44816, Stop: 44280, Start Num: 4
Candidate Starts for NyleyClemson_72:
(Start: 4 @44816 has 20 MA's), (8, 44732), (15, 44567), (17, 44531), (21, 44471), (24, 44450), (25, 44396), (27, 44348), (31, 44318),

Gene: Odyssey395_74 Start: 45241, Stop: 44708, Start Num: 4
Candidate Starts for Odyssey395_74:
(Start: 4 @45241 has 20 MA's), (8, 45157), (15, 44992), (17, 44956), (24, 44875), (25, 44821), (27, 44776), (30, 44752), (31, 44746),

Gene: Ollypop_69 Start: 45618, Stop: 45067, Start Num: 4
Candidate Starts for Ollypop_69:
(Start: 4 @45618 has 20 MA's), (8, 45534), (10, 45480), (13, 45432), (15, 45369), (17, 45333), (24, 45252), (31, 45105), (32, 45075),

Gene: PhuzzTulsa_71 Start: 45504, Stop: 44953, Start Num: 4
Candidate Starts for PhuzzTulsa_71:

(Start: 4 @45504 has 20 MA's), (8, 45420), (13, 45318), (15, 45255), (17, 45219), (21, 45159), (24, 45138), (25, 45084), (27, 45021), (29, 45009), (31, 44991),

Gene: Pointis_70 Start: 44817, Stop: 44284, Start Num: 4
Candidate Starts for Pointis_70:
(Start: 4 @44817 has 20 MA's), (8, 44733), (15, 44568), (17, 44532), (24, 44451), (25, 44397), (27, 44352), (30, 44328), (31, 44322),

Gene: Popstraw_69 Start: 44976, Stop: 44440, Start Num: 4
Candidate Starts for Popstraw_69:
(Start: 4 @44976 has 20 MA's), (8, 44892), (15, 44727), (17, 44691), (21, 44631), (24, 44610), (25, 44556), (27, 44508), (31, 44478),

Gene: Pureglobe5_72 Start: 45261, Stop: 44728, Start Num: 4
Candidate Starts for Pureglobe5_72:
(Start: 4 @45261 has 20 MA's), (8, 45177), (15, 45012), (17, 44976), (24, 44895), (25, 44841), (27, 44796), (30, 44772), (31, 44766),

Gene: RIPWilbur_72 Start: 44850, Stop: 44317, Start Num: 4
Candidate Starts for RIPWilbur_72:
(Start: 4 @44850 has 20 MA's), (8, 44766), (15, 44601), (17, 44565), (24, 44484), (25, 44430), (27, 44385), (31, 44355),

Gene: Ranunculus_66 Start: 47460, Stop: 46906, Start Num: 4
Candidate Starts for Ranunculus_66:
(Start: 4 @47460 has 20 MA's), (12, 47283), (16, 47178), (17, 47175), (20, 47124), (21, 47115), (24, 47094), (26, 46995), (31, 46947),

Gene: Raphaella_90 Start: 48880, Stop: 49419, Start Num: 4
Candidate Starts for Raphaella_90:
(3, 48844), (Start: 4 @48880 has 20 MA's), (11, 49024), (15, 49126), (22, 49225), (23, 49228), (24, 49243), (25, 49297), (28, 49339),

Gene: RazzB_73 Start: 44944, Stop: 44411, Start Num: 4
Candidate Starts for RazzB_73:
(Start: 4 @44944 has 20 MA's), (8, 44860), (10, 44806), (15, 44695), (17, 44659), (24, 44578), (25, 44524), (27, 44479), (31, 44449),

Gene: Ren19_69 Start: 44988, Stop: 44452, Start Num: 4
Candidate Starts for Ren19_69:
(Start: 4 @44988 has 20 MA's), (7, 44937), (8, 44904), (13, 44802), (14, 44775), (17, 44703), (19, 44685), (22, 44640), (24, 44622), (27, 44520), (31, 44490),

Gene: Tiff81_85 Start: 48000, Stop: 48539, Start Num: 4
Candidate Starts for Tiff81_85:
(3, 47964), (Start: 4 @48000 has 20 MA's), (11, 48144), (15, 48246), (23, 48348), (24, 48363), (25, 48417), (28, 48459),

Gene: Vopal_91 Start: 50946, Stop: 51485, Start Num: 4
Candidate Starts for Vopal_91:
(3, 50910), (Start: 4 @50946 has 20 MA's), (11, 51090), (15, 51192), (22, 51291), (23, 51294), (24, 51309), (25, 51363), (28, 51405),