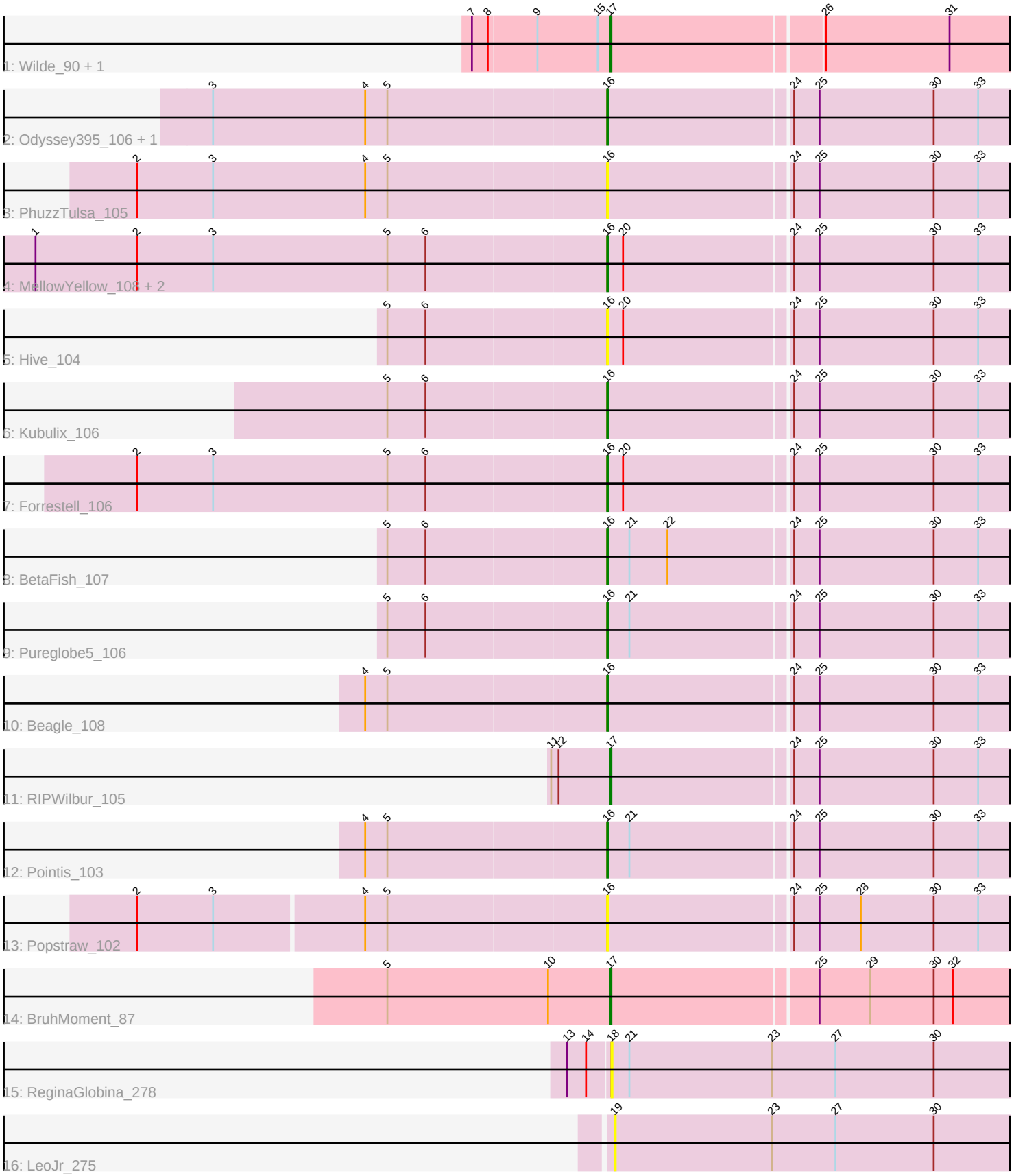
Pham 338552


1: Wilde_90 + 1
2: Odyssey395_106 + 1
3: PhuzzTulsa_105
4: MellowYellow_108 + 2
5: Hive_104
6: Kubulix_106
7: Forrestell_106
8: BetaFish_107
9: Pureglobe5_106
10: Beagle_108
11: RIPWilbur_105
12: Pointis_103
13: Popstraw_102
14: BruhMoment_87
15: ReginaGlobina_278
16: LeoJr_275

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 338552 Report

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

Pham number 338552 has 20 members, 5 are drafts.

Phages represented in each track:
- Track 1 : Wilde_90, Tank_88
- Track 2 : Odyssey395_106, DogYard_106
- Track 3 : PhuzzTulsa_105
- Track 4 : MellowYellow_108, NyleyClemson_106, RazzB_106
- Track 5 : Hive_104
- Track 6 : Kubulix_106
- Track 7 : Forrestell_106
- Track 8 : BetaFish_107
- Track 9 : Pureglobe5_106
- Track 10 : Beagle_108
- Track 11 : RIPWilbur_105
- Track 12 : Pointis_103
- Track 13 : Popstraw_102
- Track 14 : BruhMoment_87
- Track 15 : ReginaGlobina_278
- Track 16 : LeoJr_275

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

The start number called the most often in the published annotations is 16, it was called in 11 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Beagle_108, BetaFish_107, DogYard_106, Forrestell_106, Hive_104, Kubulix_106, MellowYellow_108, NyleyClemson_106, Odyssey395_106, PhuzzTulsa_105, Pointis_103, Popstraw_102, Pureglobe5_106, RazzB_106,

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

Genes that do not have the "Most Annotated" start:
- BruhMoment_87, LeoJr_275, RIPWilbur_105, ReginaGlobina_278, Tank_88, Wilde_90,

Summary by start number:

Start 16:
• Found in 14 of 20 (70.0%) of genes in pham
• Manual Annotations of this start: 11 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_108 (AP2), BetaFish_107 (AP2), DogYard_106 (AP2), Forrestell_106 (AP2), Hive_104 (AP2), Kubulix_106 (AP2), MellowYellow_108 (AP2), NyleyClemson_106 (AP2), Odyssey395_106 (AP2), PhuzzTulsa_105 (AP2), Pointis_103 (AP2), Popstraw_102 (AP2), Pureglobe5_106 (AP2), RazzB_106 (AP2),

Start 17:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_87 (AP3), RIPWilbur_105 (AP2), Tank_88 (AP1), Wilde_90 (AP1),

Start 18:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ReginaGlobina_278 (FC),

Start 19:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LeoJr_275 (FC),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AP1, FC, AP3,

Info for manual annotations of cluster AP1:
•Start number 17 was manually annotated 2 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 16 was manually annotated 11 times for cluster AP2.
•Start number 17 was manually annotated 1 time for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 17 was manually annotated 1 time for cluster AP3.

Gene Information:

Gene: Beagle_108 Start: 63524, Stop: 63138, Start Num: 16
Candidate Starts for Beagle_108:

(4, 63746), (5, 63725), (Start: 16 @63524 has 11 MA's), (24, 63356), (25, 63332), (30, 63224), (33, 63182),

Gene: BetaFish_107 Start: 63733, Stop: 63347, Start Num: 16
Candidate Starts for BetaFish_107:
(5, 63934), (6, 63898), (Start: 16 @63733 has 11 MA's), (21, 63712), (22, 63676), (24, 63565), (25, 63541), (30, 63433), (33, 63391),

Gene: BruhMoment_87 Start: 56498, Stop: 56094, Start Num: 17
Candidate Starts for BruhMoment_87:
(5, 56705), (10, 56555), (Start: 17 @56498 has 4 MA's), (25, 56309), (29, 56261), (30, 56201), (32, 56183),

Gene: DogYard_106 Start: 63226, Stop: 62840, Start Num: 16
Candidate Starts for DogYard_106:
(3, 63592), (4, 63448), (5, 63427), (Start: 16 @63226 has 11 MA's), (24, 63058), (25, 63034), (30, 62926), (33, 62884),

Gene: Forrestell_106 Start: 62180, Stop: 61770, Start Num: 16
Candidate Starts for Forrestell_106:
(2, 62618), (3, 62546), (5, 62381), (6, 62345), (Start: 16 @62180 has 11 MA's), (20, 62165), (24, 62012), (25, 61988), (30, 61880), (33, 61838),

Gene: Hive_104 Start: 63208, Stop: 62822, Start Num: 16
Candidate Starts for Hive_104:
(5, 63409), (6, 63373), (Start: 16 @63208 has 11 MA's), (20, 63193), (24, 63040), (25, 63016), (30, 62908), (33, 62866),

Gene: Kubulix_106 Start: 62899, Stop: 62513, Start Num: 16
Candidate Starts for Kubulix_106:
(5, 63100), (6, 63064), (Start: 16 @62899 has 11 MA's), (24, 62731), (25, 62707), (30, 62599), (33, 62557),

Gene: LeoJr_275 Start: 164578, Stop: 164973, Start Num: 19
Candidate Starts for LeoJr_275:
(19, 164578), (23, 164725), (27, 164785), (30, 164878),

Gene: MellowYellow_108 Start: 63382, Stop: 62972, Start Num: 16
Candidate Starts for MellowYellow_108:
(1, 63916), (2, 63820), (3, 63748), (5, 63583), (6, 63547), (Start: 16 @63382 has 11 MA's), (20, 63367), (24, 63214), (25, 63190), (30, 63082), (33, 63040),

Gene: NyleyClemson_106 Start: 63012, Stop: 62602, Start Num: 16
Candidate Starts for NyleyClemson_106:
(1, 63546), (2, 63450), (3, 63378), (5, 63213), (6, 63177), (Start: 16 @63012 has 11 MA's), (20, 62997), (24, 62844), (25, 62820), (30, 62712), (33, 62670),

Gene: Odyssey395_106 Start: 62916, Stop: 62530, Start Num: 16
Candidate Starts for Odyssey395_106:
(3, 63282), (4, 63138), (5, 63117), (Start: 16 @62916 has 11 MA's), (24, 62748), (25, 62724), (30, 62616), (33, 62574),

Gene: PhuzzTulsa_105 Start: 63364, Stop: 62978, Start Num: 16

Candidate Starts for PhuzzTulsa_105:
(2, 63802), (3, 63730), (4, 63586), (5, 63565), (Start: 16 @63364 has 11 MA's), (24, 63196), (25, 63172), (30, 63064), (33, 63022),

Gene: Pointis_103 Start: 62815, Stop: 62429, Start Num: 16
Candidate Starts for Pointis_103:
(4, 63037), (5, 63016), (Start: 16 @62815 has 11 MA's), (21, 62794), (24, 62647), (25, 62623), (30, 62515), (33, 62473),

Gene: Popstraw_102 Start: 62985, Stop: 62599, Start Num: 16
Candidate Starts for Popstraw_102:
(2, 63417), (3, 63345), (4, 63207), (5, 63186), (Start: 16 @62985 has 11 MA's), (24, 62817), (25, 62793), (28, 62754), (30, 62685), (33, 62643),

Gene: Pureglobe5_106 Start: 63474, Stop: 63088, Start Num: 16
Candidate Starts for Pureglobe5_106:
(5, 63675), (6, 63639), (Start: 16 @63474 has 11 MA's), (21, 63453), (24, 63306), (25, 63282), (30, 63174), (33, 63132),

Gene: RIPWilbur_105 Start: 62785, Stop: 62402, Start Num: 17
Candidate Starts for RIPWilbur_105:
(11, 62839), (12, 62833), (Start: 17 @62785 has 4 MA's), (24, 62620), (25, 62596), (30, 62488), (33, 62446),

Gene: RazzB_106 Start: 62588, Stop: 62178, Start Num: 16
Candidate Starts for RazzB_106:
(1, 63122), (2, 63026), (3, 62954), (5, 62789), (6, 62753), (Start: 16 @62588 has 11 MA's), (20, 62573), (24, 62420), (25, 62396), (30, 62288), (33, 62246),

Gene: ReginaGlobina_278 Start: 166016, Stop: 166414, Start Num: 18
Candidate Starts for ReginaGlobina_278:
(13, 165977), (14, 165995), (18, 166016), (21, 166031), (23, 166166), (27, 166226), (30, 166319),

Gene: Tank_88 Start: 59965, Stop: 59528, Start Num: 17
Candidate Starts for Tank_88:
(7, 60094), (8, 60079), (9, 60034), (15, 59977), (Start: 17 @59965 has 4 MA's), (26, 59773), (31, 59656),

Gene: Wilde_90 Start: 60311, Stop: 59874, Start Num: 17
Candidate Starts for Wilde_90:
(7, 60440), (8, 60425), (9, 60380), (15, 60323), (Start: 17 @60311 has 4 MA's), (26, 60119), (31, 60002),