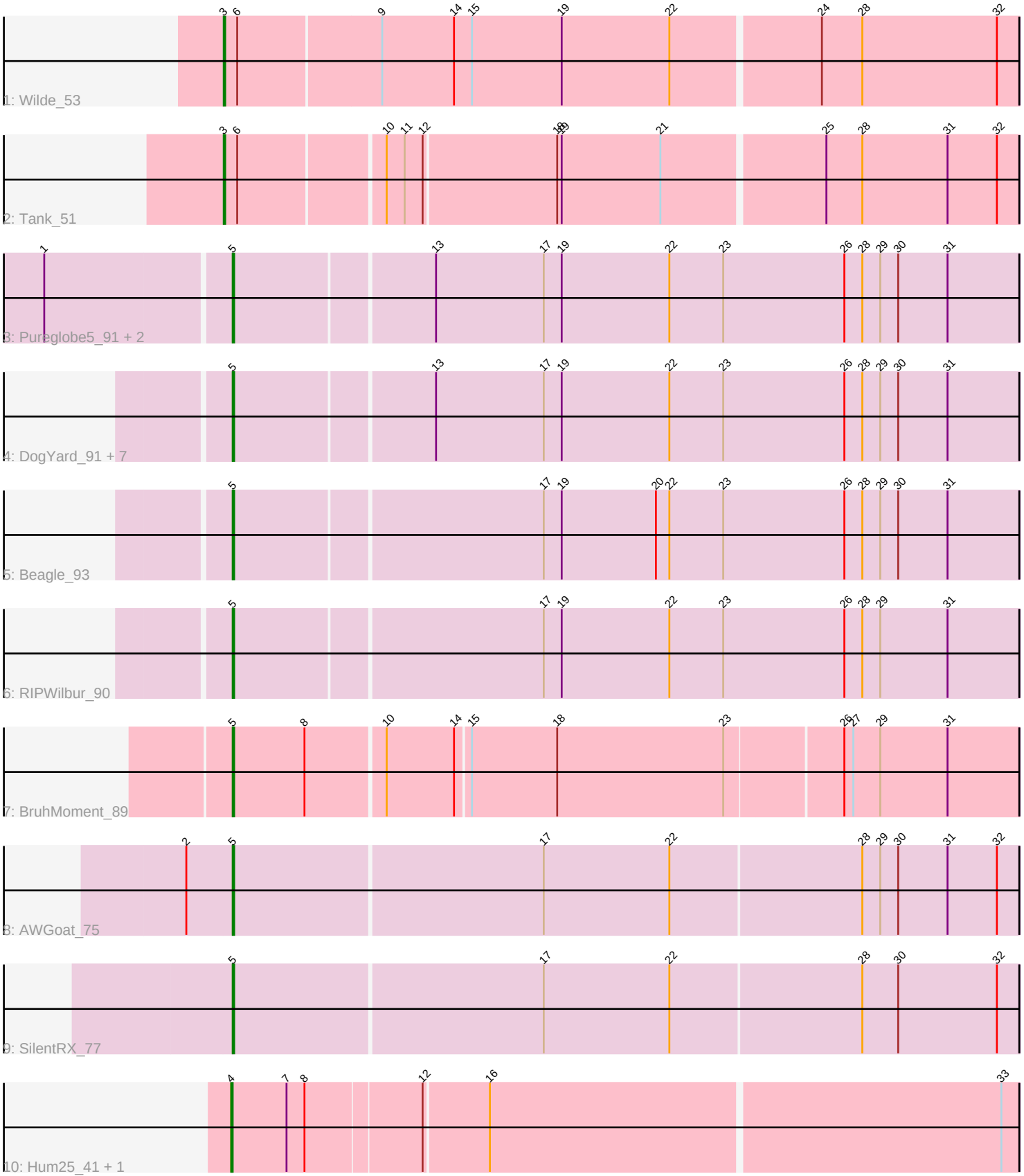
Pham 337161


1: Wilde_53
2: Tank_51
3: Pureglobe5_91 + 2
4: DogYard_91 + 7
5: Beagle_93
6: RIPWilbur_90
7: BruhMoment_89
8: AWGoat_75
9: SilentRX_77
10: Hum25_41 + 1

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 337161 Report

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

Pham number 337161 has 20 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Wilde_53
• Track 2 : Tank_51
• Track 3 : Pureglobe5_91, Hive_88, Popstraw_87
• Track 4 : DogYard_91, PhuzzTulsa_89, Odyssey395_91, NyleyClemson_90, MellowYellow_92, Pointis_88, Kubulix_91, BetaFish_92
• Track 5 : Beagle_93
• Track 6 : RIPWilbur_90
• Track 7 : BruhMoment_89
• Track 8 : AWGoat_75
• Track 9 : SilentRX_77
• Track 10 : Hum25_41, Merpity_41

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 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AWGoat_75, Beagle_93, BetaFish_92, BruhMoment_89, DogYard_91, Hive_88, Kubulix_91, MellowYellow_92, NyleyClemson_90, Odyssey395_91, PhuzzTulsa_89, Pointis_88, Popstraw_87, Pureglobe5_91, RIPWilbur_90, SilentRX_77,

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

Genes that do not have the "Most Annotated" start:
• Hum25_41, Merpity_41, Tank_51, Wilde_53,

Summary by start number:

Start 3:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Tank_51 (AP1), Wilde_53 (AP1),

Start 4:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_41 (FQ1), Merpity_41 (FQ1),

Start 5:
• Found in 16 of 20 (80.0%) of genes in pham
• Manual Annotations of this start: 13 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_75 (AP4), Beagle_93 (AP2), BetaFish_92 (AP2), BruhMoment_89 (AP3), DogYard_91 (AP2), Hive_88 (AP2), Kubulix_91 (AP2), MellowYellow_92 (AP2), NyleyClemson_90 (AP2), Odyssey395_91 (AP2), PhuzzTulsa_89 (AP2), Pointis_88 (AP2), Popstraw_87 (AP2), Pureglobe5_91 (AP2), RIPWilbur_90 (AP2), SilentRX_77 (AP4),

Summary by clusters:

There are 5 clusters represented in this pham: AP2, AP1, FQ1, AP4, AP3,

Info for manual annotations of cluster AP1:
•Start number 3 was manually annotated 2 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 5 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 5 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 5 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster FQ1:
•Start number 4 was manually annotated 1 time for cluster FQ1.

Gene Information:

Gene: AWGoat_75 Start: 52496, Stop: 51978, Start Num: 5
Candidate Starts for AWGoat_75:
(2, 52526), (Start: 5 @52496 has 13 MA's), (17, 52292), (22, 52208), (28, 52082), (29, 52070), (30, 52058), (31, 52025), (32, 51992),

Gene: Beagle_93 Start: 53393, Stop: 52875, Start Num: 5
Candidate Starts for Beagle_93:
(Start: 5 @53393 has 13 MA's), (17, 53192), (19, 53180), (20, 53117), (22, 53108), (23, 53072), (26, 52991), (28, 52979), (29, 52967), (30, 52955), (31, 52922),

Gene: BetaFish_92 Start: 53608, Stop: 53090, Start Num: 5
Candidate Starts for BetaFish_92:

(Start: 5 @53608 has 13 MA's), (13, 53479), (17, 53407), (19, 53395), (22, 53323), (23, 53287), (26, 53206), (28, 53194), (29, 53182), (30, 53170), (31, 53137),

Gene: BruhMoment_89 Start: 57612, Stop: 57100, Start Num: 5
Candidate Starts for BruhMoment_89:
(Start: 5 @57612 has 13 MA's), (8, 57564), (10, 57513), (14, 57468), (15, 57459), (18, 57402), (23, 57291), (26, 57216), (27, 57210), (29, 57192), (31, 57147),

Gene: DogYard_91 Start: 53098, Stop: 52580, Start Num: 5
Candidate Starts for DogYard_91:
(Start: 5 @53098 has 13 MA's), (13, 52969), (17, 52897), (19, 52885), (22, 52813), (23, 52777), (26, 52696), (28, 52684), (29, 52672), (30, 52660), (31, 52627),

Gene: Hive_88 Start: 53078, Stop: 52560, Start Num: 5
Candidate Starts for Hive_88:
(1, 53198), (Start: 5 @53078 has 13 MA's), (13, 52949), (17, 52877), (19, 52865), (22, 52793), (23, 52757), (26, 52676), (28, 52664), (29, 52652), (30, 52640), (31, 52607),

Gene: Hum25_41 Start: 26666, Stop: 27178, Start Num: 4
Candidate Starts for Hum25_41:
(Start: 4 @26666 has 1 MA's), (7, 26702), (8, 26714), (12, 26789), (16, 26831), (33, 27167),

Gene: Kubulix_91 Start: 52765, Stop: 52247, Start Num: 5
Candidate Starts for Kubulix_91:
(Start: 5 @52765 has 13 MA's), (13, 52636), (17, 52564), (19, 52552), (22, 52480), (23, 52444), (26, 52363), (28, 52351), (29, 52339), (30, 52327), (31, 52294),

Gene: MellowYellow_92 Start: 53010, Stop: 52492, Start Num: 5
Candidate Starts for MellowYellow_92:
(Start: 5 @53010 has 13 MA's), (13, 52881), (17, 52809), (19, 52797), (22, 52725), (23, 52689), (26, 52608), (28, 52596), (29, 52584), (30, 52572), (31, 52539),

Gene: Merpity_41 Start: 27119, Stop: 27631, Start Num: 4
Candidate Starts for Merpity_41:
(Start: 4 @27119 has 1 MA's), (7, 27155), (8, 27167), (12, 27242), (16, 27284), (33, 27620),

Gene: NyleyClemson_90 Start: 52628, Stop: 52110, Start Num: 5
Candidate Starts for NyleyClemson_90:
(Start: 5 @52628 has 13 MA's), (13, 52499), (17, 52427), (19, 52415), (22, 52343), (23, 52307), (26, 52226), (28, 52214), (29, 52202), (30, 52190), (31, 52157),

Gene: Odyssey395_91 Start: 52787, Stop: 52269, Start Num: 5
Candidate Starts for Odyssey395_91:
(Start: 5 @52787 has 13 MA's), (13, 52658), (17, 52586), (19, 52574), (22, 52502), (23, 52466), (26, 52385), (28, 52373), (29, 52361), (30, 52349), (31, 52316),

Gene: PhuzzTulsa_89 Start: 53235, Stop: 52717, Start Num: 5
Candidate Starts for PhuzzTulsa_89:
(Start: 5 @53235 has 13 MA's), (13, 53106), (17, 53034), (19, 53022), (22, 52950), (23, 52914), (26, 52833), (28, 52821), (29, 52809), (30, 52797), (31, 52764),

Gene: Pointis_88 Start: 52683, Stop: 52165, Start Num: 5
Candidate Starts for Pointis_88:

(Start: 5 @52683 has 13 MA's), (13, 52554), (17, 52482), (19, 52470), (22, 52398), (23, 52362), (26, 52281), (28, 52269), (29, 52257), (30, 52245), (31, 52212),

Gene: Popstraw_87 Start: 52857, Stop: 52339, Start Num: 5
Candidate Starts for Popstraw_87:
(1, 52977), (Start: 5 @52857 has 13 MA's), (13, 52728), (17, 52656), (19, 52644), (22, 52572), (23, 52536), (26, 52455), (28, 52443), (29, 52431), (30, 52419), (31, 52386),

Gene: Pureglobe5_91 Start: 53339, Stop: 52821, Start Num: 5
Candidate Starts for Pureglobe5_91:
(1, 53459), (Start: 5 @53339 has 13 MA's), (13, 53210), (17, 53138), (19, 53126), (22, 53054), (23, 53018), (26, 52937), (28, 52925), (29, 52913), (30, 52901), (31, 52868),

Gene: RIPWilbur_90 Start: 52662, Stop: 52144, Start Num: 5
Candidate Starts for RIPWilbur_90:
(Start: 5 @52662 has 13 MA's), (17, 52461), (19, 52449), (22, 52377), (23, 52341), (26, 52260), (28, 52248), (29, 52236), (31, 52191),

Gene: SilentRX_77 Start: 53377, Stop: 52859, Start Num: 5
Candidate Starts for SilentRX_77:
(Start: 5 @53377 has 13 MA's), (17, 53173), (22, 53089), (28, 52963), (30, 52939), (32, 52873),

Gene: Tank_51 Start: 40630, Stop: 40115, Start Num: 3
Candidate Starts for Tank_51:
(Start: 3 @40630 has 2 MA's), (6, 40621), (10, 40528), (11, 40516), (12, 40504), (18, 40417), (19, 40414), (21, 40348), (25, 40243), (28, 40219), (31, 40162), (32, 40129),

Gene: Wilde_53 Start: 40929, Stop: 40408, Start Num: 3
Candidate Starts for Wilde_53:
(Start: 3 @40929 has 2 MA's), (6, 40920), (9, 40827), (14, 40779), (15, 40767), (19, 40707), (22, 40635), (24, 40539), (28, 40512), (32, 40422),