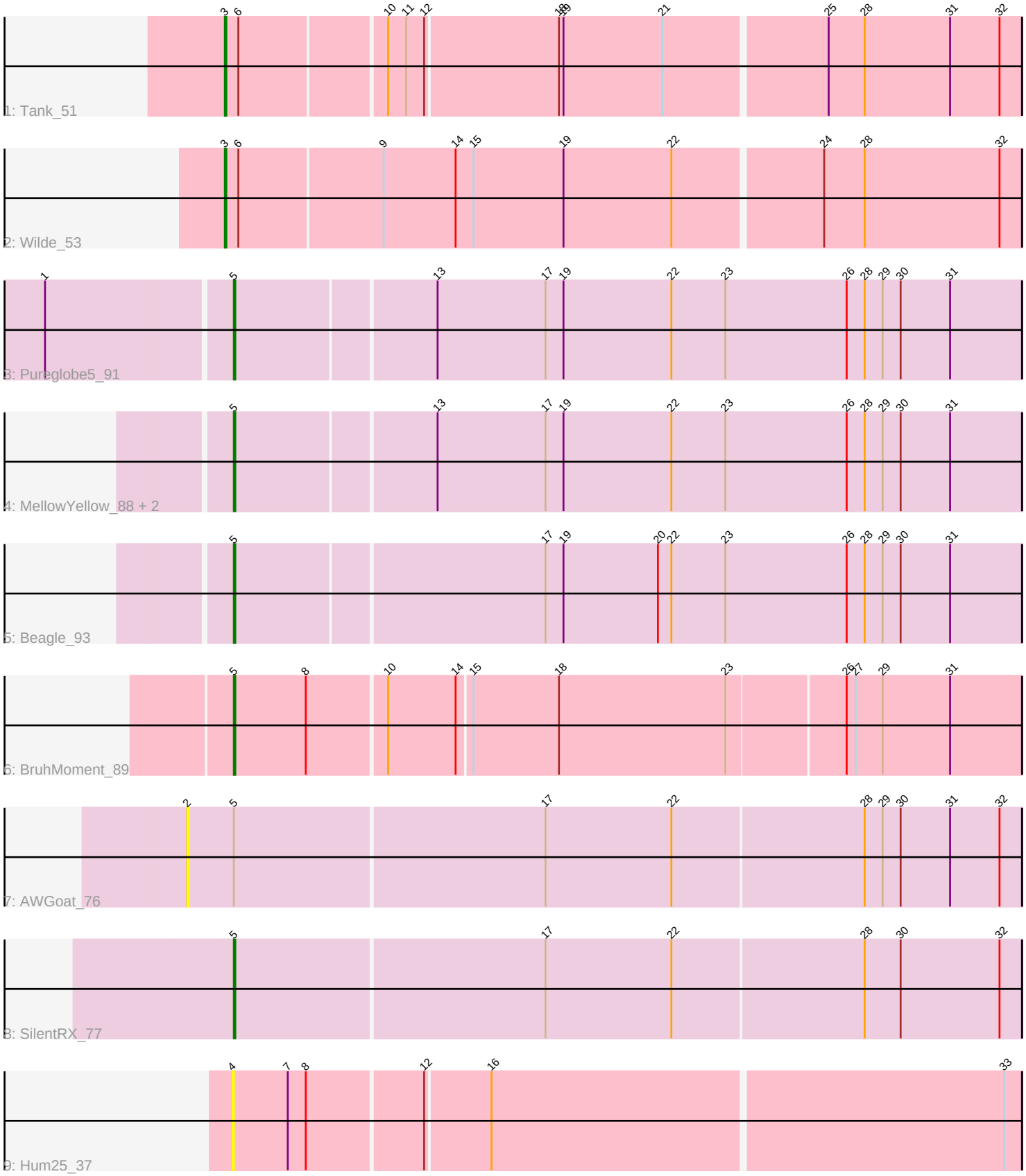
Pham 6322


3 6 10 11 12 18 19 21 25 28 31 32
1: Tank_51
3 6 9 14 15 19 22 24 28 32
2: Wilde_53
1 5 13 17 19 22 23 26 28 29 30 31
3: Pureglobe5_91
5 13 17 19 22 23 26 28 29 30 31
4: MellowYellow_88 + 2
5 17 19 20 22 23 26 28 29 30 31
5: Beagle_93
5 8 10 14 15 18 23 26 27 29 31
6: BruhMoment_89
2 5 17 22 28 29 30 31 32
7: AWGoat_76
5 17 22 28 30 32
8: SilentRX_77
4 7 8 12 16 33
9: Hum25_37

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 6322 Report

This analysis was run 04/22/24 on database version 561.

Pham number 6322 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Tank_51
• Track 2 : Wilde_53
• Track 3 : Pureglobe5_91
• Track 4 : MellowYellow_88, Odyssey395_91, Pointis_87
• Track 5 : Beagle_93
• Track 6 : BruhMoment_89
• Track 7 : AWGoat_76
• Track 8 : SilentRX_77
• Track 9 : Hum25_37

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_93, BruhMoment_89, MellowYellow_88, Odyssey395_91, Pointis_87, Pureglobe5_91, SilentRX_77,

Genes that have the "Most Annotated" start but do not call it:
• AWGoat_76,

Genes that do not have the "Most Annotated" start:
• Hum25_37, Tank_51, Wilde_53,

Summary by start number:

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_76 (AP4),

Start 3:

• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tank_51 (AP1), Wilde_53 (AP1),

Start 4:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_37 (FQ),

Start 5:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Beagle_93 (AP2), BruhMoment_89 (AP3), MellowYellow_88 (AP2), Odyssey395_91 (AP2), Pointis_87 (AP2), Pureglobe5_91 (AP2), SilentRX_77 (AP4),

Summary by clusters:

There are 5 clusters represented in this pham: AP2, FQ, AP1, 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 3 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 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_76 Start: 52526, Stop: 51978, Start Num: 2
Candidate Starts for AWGoat_76:
(2, 52526), (Start: 5 @52496 has 5 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 5 MA's), (17, 53192), (19, 53180), (20, 53117), (22, 53108), (23, 53072), (26, 52991), (28, 52979), (29, 52967), (30, 52955), (31, 52922),

Gene: BruhMoment_89 Start: 57612, Stop: 57100, Start Num: 5
Candidate Starts for BruhMoment_89:

(Start: 5 @57612 has 5 MA's), (8, 57564), (10, 57513), (14, 57468), (15, 57459), (18, 57402), (23, 57291), (26, 57216), (27, 57210), (29, 57192), (31, 57147),

Gene: Hum25_37 Start: 26666, Stop: 27178, Start Num: 4
Candidate Starts for Hum25_37:
(4, 26666), (7, 26702), (8, 26714), (12, 26789), (16, 26831), (33, 27167),

Gene: MellowYellow_88 Start: 53010, Stop: 52492, Start Num: 5
Candidate Starts for MellowYellow_88:
(Start: 5 @53010 has 5 MA's), (13, 52881), (17, 52809), (19, 52797), (22, 52725), (23, 52689), (26, 52608), (28, 52596), (29, 52584), (30, 52572), (31, 52539),

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

Gene: Pointis_87 Start: 52683, Stop: 52165, Start Num: 5
Candidate Starts for Pointis_87:
(Start: 5 @52683 has 5 MA's), (13, 52554), (17, 52482), (19, 52470), (22, 52398), (23, 52362), (26, 52281), (28, 52269), (29, 52257), (30, 52245), (31, 52212),

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

Gene: SilentRX_77 Start: 53377, Stop: 52859, Start Num: 5
Candidate Starts for SilentRX_77:
(Start: 5 @53377 has 5 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),