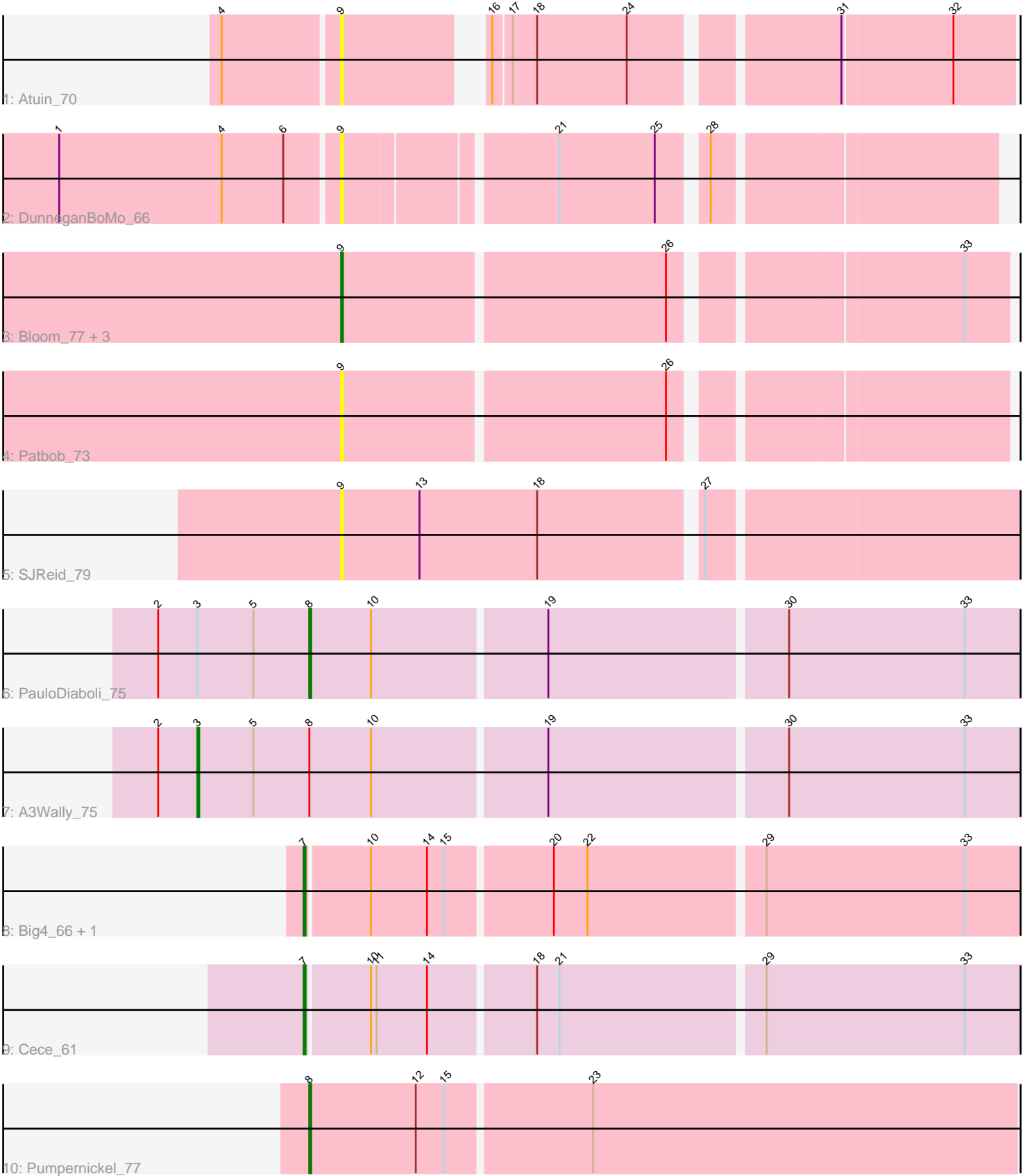


Pham 153629



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 153629 Report

This analysis was run 04/28/24 on database version 559.

Pham number 153629 has 14 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Atuin_70
- Track 2 : DunneganBoMo_66
- Track 3 : Bloom_77, Talia1610_77, Racecar_74, Mimi_80
- Track 4 : Patbob_73
- Track 5 : SJReid_79
- Track 6 : PauloDiaboli_75
- Track 7 : A3Wally_75
- Track 8 : Big4_66, Zooman_62
- Track 9 : Cece_61
- Track 10 : Pumpernickel_77

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

Genes that call this "Most Annotated" start:

- Big4_66, Cece_61, Zooman_62,

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

-

Genes that do not have the "Most Annotated" start:

- A3Wally_75, Atuin_70, Bloom_77, DunneganBoMo_66, Mimi_80, Patbob_73, PauloDiaboli_75, Pumpernickel_77, Racecar_74, SJReid_79, Talia1610_77,

Summary by start number:

Start 3:

- Found in 2 of 14 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: A3Wally_75 (GD1),

Start 7:

- Found in 3 of 14 (21.4%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_66 (GD2), Cece_61 (GD3), Zooman_62 (GD2),

Start 8:

- Found in 3 of 14 (21.4%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 66.7% of time when present
- Phage (with cluster) where this start called: PauloDiaboli_75 (GD1), Pumpernickel_77 (GD4),

Start 9:

- Found in 8 of 14 (57.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_70 (FC), Bloom_77 (FC), DunneganBoMo_66 (FC), Mimi_80 (FC), Patbob_73 (FC), Racecar_74 (FC), SJReid_79 (FC), Talia1610_77 (FC),

Summary by clusters:

There are 5 clusters represented in this pham: FC, GD1, GD2, GD3, GD4,

Info for manual annotations of cluster FC:

- Start number 9 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1:

- Start number 3 was manually annotated 1 time for cluster GD1.
- Start number 8 was manually annotated 1 time for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 7 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 7 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 8 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_75 Start: 26771, Stop: 27208, Start Num: 3

Candidate Starts for A3Wally_75:

(2, 26750), (Start: 3 @26771 has 1 MA's), (5, 26801), (Start: 8 @26831 has 2 MA's), (10, 26864), (19, 26954), (30, 27077), (33, 27170),

Gene: Atuin_70 Start: 30205, Stop: 30525, Start Num: 9

Candidate Starts for Atuin_70:

(4, 30145), (Start: 9 @30205 has 1 MA's), (16, 30268), (17, 30277), (18, 30289), (24, 30337), (31, 30436), (32, 30493),

Gene: Big4_66 Start: 26811, Stop: 27188, Start Num: 7

Candidate Starts for Big4_66:

(Start: 7 @26811 has 3 MA's), (10, 26844), (14, 26874), (15, 26883), (20, 26937), (22, 26955), (29, 27045), (33, 27150),

Gene: Bloom_77 Start: 32827, Stop: 33159, Start Num: 9

Candidate Starts for Bloom_77:

(Start: 9 @32827 has 1 MA's), (26, 32995), (33, 33136),

Gene: Cece_61 Start: 25327, Stop: 25704, Start Num: 7

Candidate Starts for Cece_61:

(Start: 7 @25327 has 3 MA's), (10, 25360), (11, 25363), (14, 25390), (18, 25444), (21, 25456), (29, 25561), (33, 25666),

Gene: DunneganBoMo_66 Start: 26966, Stop: 27286, Start Num: 9

Candidate Starts for DunneganBoMo_66:

(1, 26819), (4, 26906), (6, 26939), (Start: 9 @26966 has 1 MA's), (21, 27071), (25, 27122), (28, 27143),

Gene: Mimi_80 Start: 32174, Stop: 32506, Start Num: 9

Candidate Starts for Mimi_80:

(Start: 9 @32174 has 1 MA's), (26, 32342), (33, 32483),

Gene: Patbob_73 Start: 32467, Stop: 32799, Start Num: 9

Candidate Starts for Patbob_73:

(Start: 9 @32467 has 1 MA's), (26, 32635),

Gene: PauloDiaboli_75 Start: 26188, Stop: 26565, Start Num: 8

Candidate Starts for PauloDiaboli_75:

(2, 26107), (Start: 3 @26128 has 1 MA's), (5, 26158), (Start: 8 @26188 has 2 MA's), (10, 26221), (19, 26311), (30, 26434), (33, 26527),

Gene: Pumpernickel_77 Start: 30117, Stop: 30497, Start Num: 8

Candidate Starts for Pumpernickel_77:

(Start: 8 @30117 has 2 MA's), (12, 30174), (15, 30189), (23, 30264),

Gene: Racecar_74 Start: 32827, Stop: 33159, Start Num: 9

Candidate Starts for Racecar_74:

(Start: 9 @32827 has 1 MA's), (26, 32995), (33, 33136),

Gene: SJReid_79 Start: 34033, Stop: 34383, Start Num: 9

Candidate Starts for SJReid_79:

(Start: 9 @34033 has 1 MA's), (13, 34075), (18, 34138), (27, 34219),

Gene: Talia1610_77 Start: 32192, Stop: 32524, Start Num: 9

Candidate Starts for Talia1610_77:

(Start: 9 @32192 has 1 MA's), (26, 32360), (33, 32501),

Gene: Zooman_62 Start: 25479, Stop: 25856, Start Num: 7

Candidate Starts for Zooman_62:

(Start: 7 @25479 has 3 MA's), (10, 25512), (14, 25542), (15, 25551), (20, 25605), (22, 25623), (29, 25713), (33, 25818),