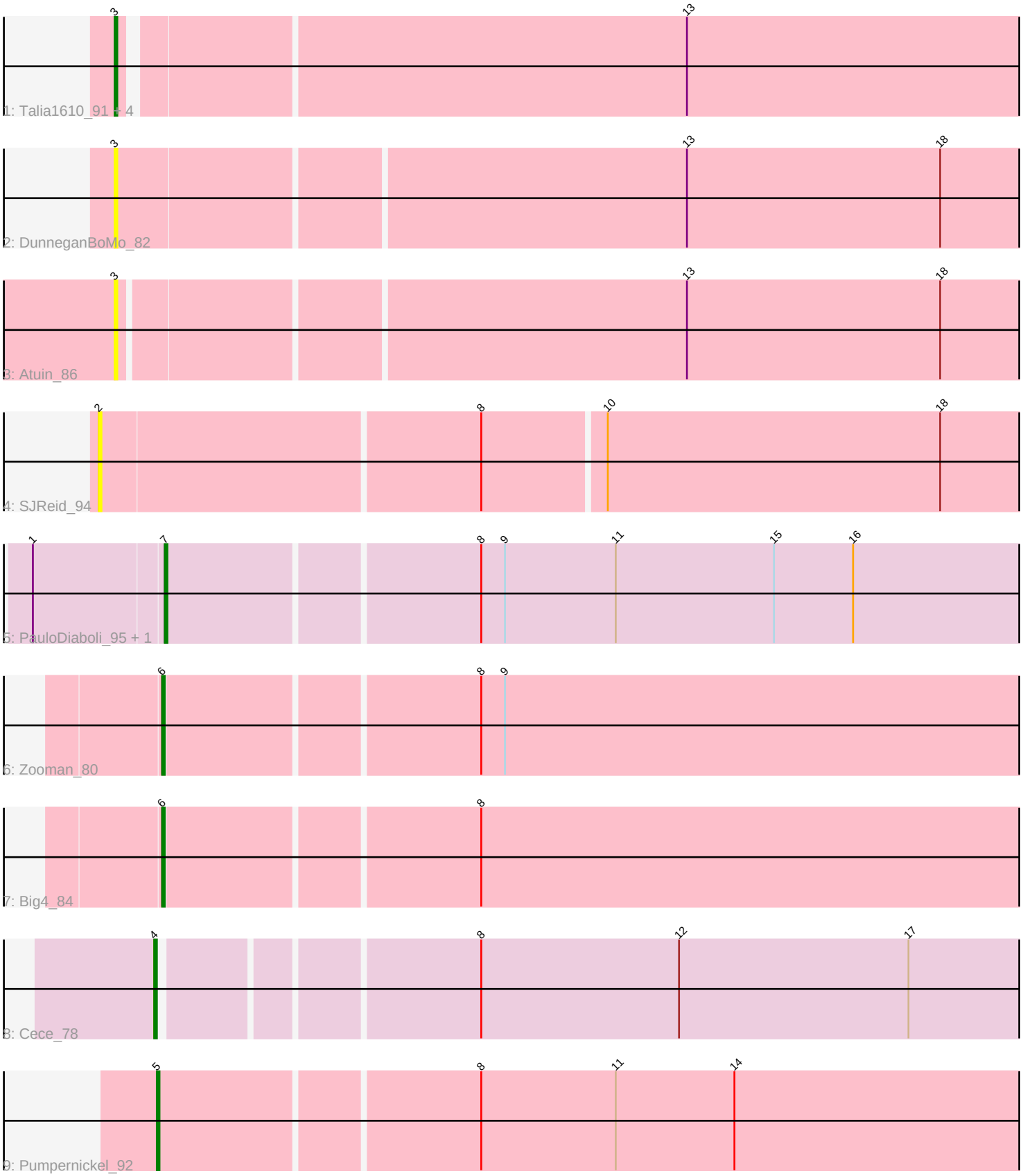
Pham 149122


3
13
1: Talia1610_91 + 4
3
13
18
2: DunneganBoMo_82
3
13
18
3: Atuin_86
2
8
10
18
4: SJReid_94
1
7
8
9
11
15
16
5: PauloDiaboli_95 + 1
6
8
9
6: Zooman_80
6
8
7: Big4_84
4
8
12
17
8: Cece_78
5
8
11
14
9: Pumpernickel_92

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 149122 Report

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

Pham number 149122 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Talia1610_91, Bloom_92, Racecar_89, Mimi_94, Patbob_89
• Track 2 : DunneganBoMo_82
• Track 3 : Atuin_86
• Track 4 : SJReid_94
• Track 5 : PauloDiaboli_95, A3Wally_95
• Track 6 : Zooman_80
• Track 7 : Big4_84
• Track 8 : Cece_78
• Track 9 : Pumpernickel_92

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Big4_84, Zooman_80,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_95, Atuin_86, Bloom_92, Cece_78, DunneganBoMo_82, Mimi_94, Patbob_89, PauloDiaboli_95, Pumpernickel_92, Racecar_89, SJReid_94, Talia1610_91,

Summary by start number:

Start 2:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_94 (FC),

Start 3:
• Found in 7 of 14 (50.0%) 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_86 (FC), Bloom_92 (FC), DunneganBoMo_82 (FC), Mimi_94 (FC), Patbob_89 (FC), Racecar_89 (FC), Talia1610_91 (FC),

Start 4:
• Found in 1 of 14 (7.1%) 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: Cece_78 (GD3),

Start 5:
• Found in 1 of 14 (7.1%) 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: Pumpernickel_92 (GD4),

Start 6:
• Found in 2 of 14 (14.3%) 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: Big4_84 (GD2), Zooman_80 (GD2),

Start 7:
• Found in 2 of 14 (14.3%) 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: A3Wally_95 (GD1), PauloDiaboli_95 (GD1),

Summary by clusters:

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

Info for manual annotations of cluster FC:
•Start number 3 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1:
•Start number 7 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 6 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 4 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 5 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_95 Start: 51157, Stop: 51489, Start Num: 7
Candidate Starts for A3Wally_95:
(1, 51109), (Start: 7 @51157 has 2 MA's), (8, 51271), (9, 51280), (11, 51322), (15, 51382), (16, 51412),

Gene: Atuin_86 Start: 52443, Stop: 52784, Start Num: 3
Candidate Starts for Atuin_86:
(Start: 3 @52443 has 1 MA's), (13, 52650), (18, 52746),

Gene: Big4_84 Start: 50177, Stop: 50509, Start Num: 6
Candidate Starts for Big4_84:
(Start: 6 @50177 has 2 MA's), (8, 50291),

Gene: Bloom_92 Start: 53844, Stop: 54185, Start Num: 3
Candidate Starts for Bloom_92:
(Start: 3 @53844 has 1 MA's), (13, 54051),

Gene: Cece_78 Start: 46135, Stop: 46464, Start Num: 4
Candidate Starts for Cece_78:
(Start: 4 @46135 has 1 MA's), (8, 46246), (12, 46321), (17, 46408),

Gene: DunneganBoMo_82 Start: 49289, Stop: 49633, Start Num: 3
Candidate Starts for DunneganBoMo_82:
(Start: 3 @49289 has 1 MA's), (13, 49499), (18, 49595),

Gene: Mimi_94 Start: 53191, Stop: 53532, Start Num: 3
Candidate Starts for Mimi_94:
(Start: 3 @53191 has 1 MA's), (13, 53398),

Gene: Patbob_89 Start: 54063, Stop: 54404, Start Num: 3
Candidate Starts for Patbob_89:
(Start: 3 @54063 has 1 MA's), (13, 54270),

Gene: PauloDiaboli_95 Start: 50514, Stop: 50846, Start Num: 7
Candidate Starts for PauloDiaboli_95:
(1, 50466), (Start: 7 @50514 has 2 MA's), (8, 50628), (9, 50637), (11, 50679), (15, 50739), (16, 50769),

Gene: Pumpernickel_92 Start: 51885, Stop: 52220, Start Num: 5
Candidate Starts for Pumpernickel_92:
(Start: 5 @51885 has 1 MA's), (8, 52002), (11, 52053), (14, 52098),

Gene: Racecar_89 Start: 53844, Stop: 54185, Start Num: 3
Candidate Starts for Racecar_89:
(Start: 3 @53844 has 1 MA's), (13, 54051),

Gene: SJReid_94 Start: 55142, Stop: 55498, Start Num: 2
Candidate Starts for SJReid_94:
(2, 55142), (8, 55283), (10, 55328), (18, 55454),

Gene: Talia1610_91 Start: 53209, Stop: 53550, Start Num: 3

Candidate Starts for Talia1610_91:
(Start: 3 @53209 has 1 MA's), (13, 53416),

Gene: Zooman_80 Start: 48831, Stop: 49163, Start Num: 6
Candidate Starts for Zooman_80:
(Start: 6 @48831 has 2 MA's), (8, 48945), (9, 48954),