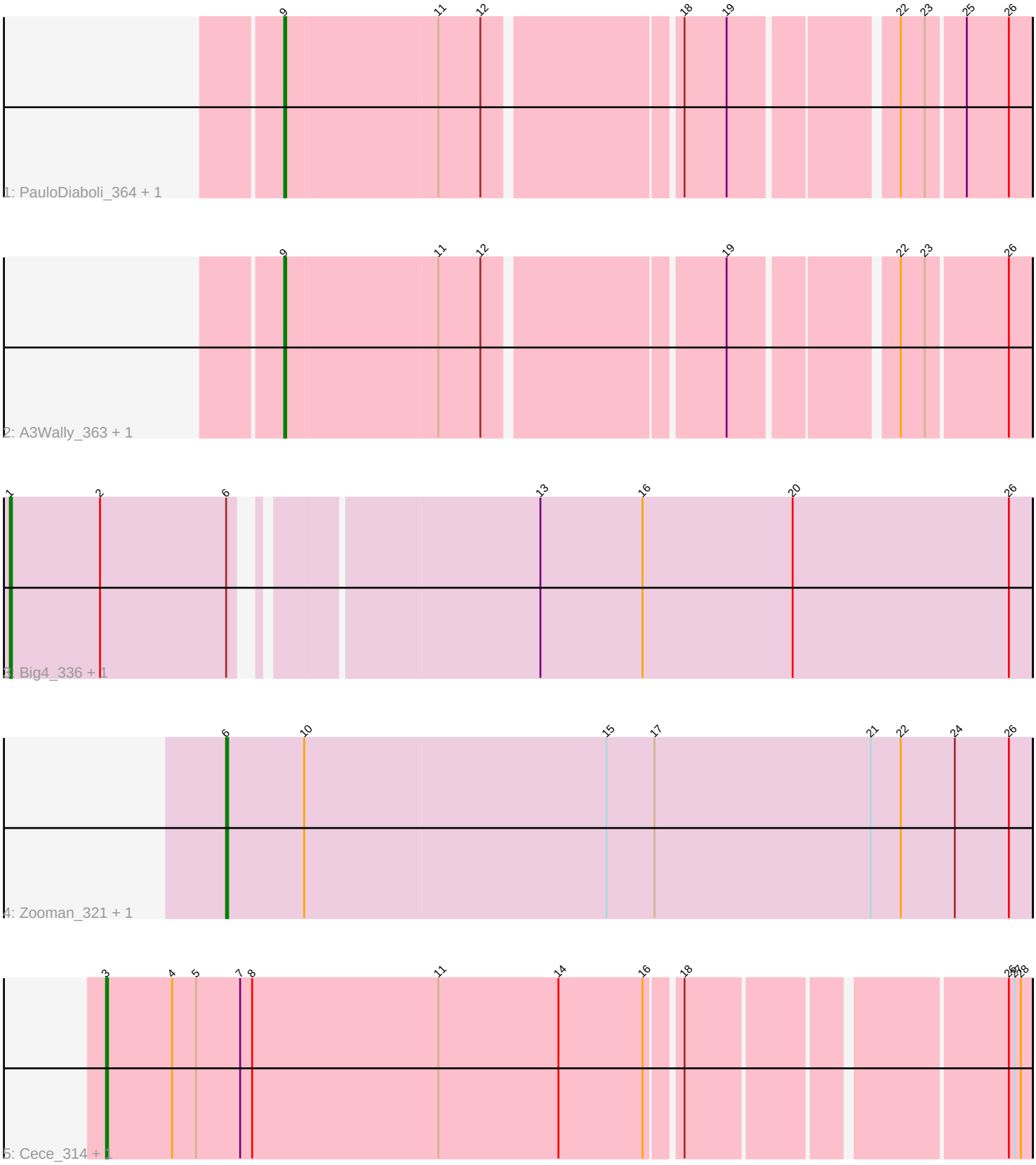
Pham 5699


9
11
12
18
19
22
23
25
26
1: PauloDiaboli_364 + 1
9
11
12
19
22
23
26
2: A3Wally_363 + 1
1
2
6
13
16
20
26
3: Big4_336 + 1
6
10
15
17
21
22
24
26
4: Zooman_321 + 1
3
4
5
7
8
11
14
16
18
5: Cece_314 + 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 5699 Report

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

Pham number 5699 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : PauloDiaboli_364, PauloDiaboli_9
• Track 2 : A3Wally_363, A3Wally_9
• Track 3 : Big4_336, Big4_10
• Track 4 : Zooman_321, Zooman_8
• Track 5 : Cece_314, Cece_12

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_363, A3Wally_9, PauloDiaboli_364, PauloDiaboli_9,

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

Genes that do not have the "Most Annotated" start:
• Big4_10, Big4_336, Cece_12, Cece_314, Zooman_321, Zooman_8,

Summary by start number:

Start 1:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Big4_10 (GD2), Big4_336 (GD2),

Start 3:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_12 (GD3), Cece_314 (GD3),

Start 6:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Zooman_321 (GD2), Zooman_8 (GD2),

Start 9:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_363 (GD1), A3Wally_9 (GD1), PauloDiaboli_364 (GD1), PauloDiaboli_9 (GD1),

Summary by clusters:

There are 3 clusters represented in this pham: GD1, GD2, GD3,

Info for manual annotations of cluster GD1:
•Start number 9 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 1 was manually annotated 2 times for cluster GD2.
•Start number 6 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 3 was manually annotated 2 times for cluster GD3.

Gene Information:

Gene: A3Wally_363 Start: 182572, Stop: 182916, Start Num: 9
Candidate Starts for A3Wally_363:
(Start: 9 @182572 has 4 MA's), (11, 182647), (12, 182668), (19, 182779), (22, 182854), (23, 182866), (26, 182905),

Gene: A3Wally_9 Start: 3351, Stop: 3695, Start Num: 9
Candidate Starts for A3Wally_9:
(Start: 9 @3351 has 4 MA's), (11, 3426), (12, 3447), (19, 3558), (22, 3633), (23, 3645), (26, 3684),

Gene: Big4_336 Start: 178974, Stop: 179462, Start Num: 1
Candidate Starts for Big4_336:
(Start: 1 @178974 has 2 MA's), (2, 179019), (Start: 6 @179082 has 2 MA's), (13, 179217), (16, 179268), (20, 179343), (26, 179451),

Gene: Big4_10 Start: 4280, Stop: 4768, Start Num: 1
Candidate Starts for Big4_10:
(Start: 1 @4280 has 2 MA's), (2, 4325), (Start: 6 @4388 has 2 MA's), (13, 4523), (16, 4574), (20, 4649), (26, 4757),

Gene: Cece_314 Start: 172354, Stop: 172794, Start Num: 3
Candidate Starts for Cece_314:

(Start: 3 @172354 has 2 MA's), (4, 172387), (5, 172399), (7, 172420), (8, 172426), (11, 172519), (14, 172579), (16, 172621), (18, 172636), (26, 172783), (27, 172786), (28, 172789),

Gene: Cece_12 Start: 3920, Stop: 4360, Start Num: 3
Candidate Starts for Cece_12:
(Start: 3 @3920 has 2 MA's), (4, 3953), (5, 3965), (7, 3986), (8, 3992), (11, 4085), (14, 4145), (16, 4187), (18, 4202), (26, 4349), (27, 4352), (28, 4355),

Gene: PauloDiaboli_364 Start: 179815, Stop: 180159, Start Num: 9
Candidate Starts for PauloDiaboli_364:
(Start: 9 @179815 has 4 MA's), (11, 179890), (12, 179911), (18, 180001), (19, 180022), (22, 180097), (23, 180109), (25, 180127), (26, 180148),

Gene: PauloDiaboli_9 Start: 3186, Stop: 3530, Start Num: 9
Candidate Starts for PauloDiaboli_9:
(Start: 9 @3186 has 4 MA's), (11, 3261), (12, 3282), (18, 3372), (19, 3393), (22, 3468), (23, 3480), (25, 3498), (26, 3519),

Gene: Zooman_321 Start: 179227, Stop: 179628, Start Num: 6
Candidate Starts for Zooman_321:
(Start: 6 @179227 has 2 MA's), (10, 179266), (15, 179416), (17, 179440), (21, 179548), (22, 179563), (24, 179590), (26, 179617),

Gene: Zooman_8 Start: 3576, Stop: 3977, Start Num: 6
Candidate Starts for Zooman_8:
(Start: 6 @3576 has 2 MA's), (10, 3615), (15, 3765), (17, 3789), (21, 3897), (22, 3912), (24, 3939), (26, 3966),