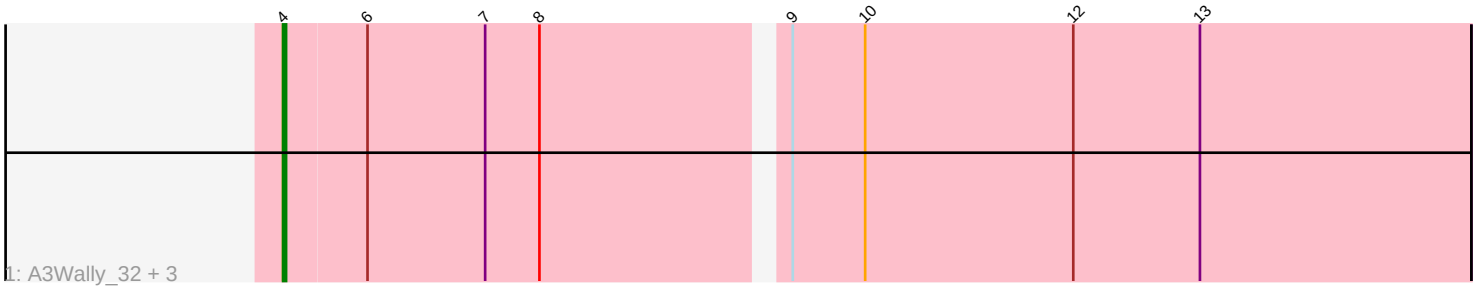
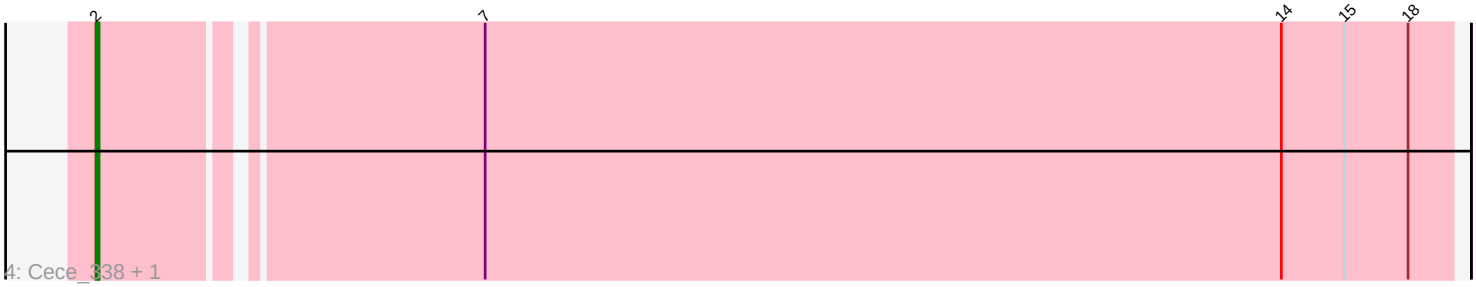
Pham 4976


4
6
7
8
9
10
12
13
1: A3Wally_32 + 3


2
5
7
8
11
13
15
16
2: Big4_35 + 1


2
7
8
11
13
15
16
3: Zooman_32 + 1


2
7
14
15
18
4: Cece_338 + 1


1
3
14
15
17
5: Pumpernickel_342 + 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 4976 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4976 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : A3Wally_32, PauloDiaboli_32, PauloDiaboli_387, A3Wally_385
• Track 2 : Big4_35, Big4_361
• Track 3 : Zooman_32, Zooman_345
• Track 4 : Cece_338, Cece_36
• Track 5 : Pumpernickel_342, Pumpernickel_41

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Big4_35, Big4_361, Cece_338, Cece_36, Zooman_32, Zooman_345,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_32, A3Wally_385, PauloDiaboli_32, PauloDiaboli_387, Pumpernickel_342, Pumpernickel_41,

Summary by start number:

Start 1:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pumpernickel_342 (GD4), Pumpernickel_41 (GD4),

Start 2:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Big4_35 (GD2), Big4_361 (GD2), Cece_338 (GD3), Cece_36 (GD3), Zooman_32 (GD2), Zooman_345 (GD2),

Start 4:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_32 (GD1), A3Wally_385 (GD1), PauloDiaboli_32 (GD1), PauloDiaboli_387 (GD1),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD3, GD4,

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

Info for manual annotations of cluster GD2:
•Start number 2 was manually annotated 4 times for cluster GD2.

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

Info for manual annotations of cluster GD4:
•Start number 1 was manually annotated 2 times for cluster GD4.

Gene Information:

Gene: A3Wally_32 Start: 11153, Stop: 11536, Start Num: 4
Candidate Starts for A3Wally_32:
(Start: 4 @11153 has 4 MA's), (6, 11180), (7, 11219), (8, 11237), (9, 11312), (10, 11336), (12, 11405), (13, 11447),

Gene: A3Wally_385 Start: 190374, Stop: 190757, Start Num: 4
Candidate Starts for A3Wally_385:
(Start: 4 @190374 has 4 MA's), (6, 190401), (7, 190440), (8, 190458), (9, 190533), (10, 190557), (12, 190626), (13, 190668),

Gene: Big4_35 Start: 13859, Stop: 14305, Start Num: 2
Candidate Starts for Big4_35:
(Start: 2 @13859 has 6 MA's), (5, 13928), (7, 13979), (8, 13997), (11, 14156), (13, 14216), (15, 14264), (16, 14270),

Gene: Big4_361 Start: 188553, Stop: 188999, Start Num: 2
Candidate Starts for Big4_361:
(Start: 2 @188553 has 6 MA's), (5, 188622), (7, 188673), (8, 188691), (11, 188850), (13, 188910), (15, 188958), (16, 188964),

Gene: Cece_338 Start: 182417, Stop: 182854, Start Num: 2
Candidate Starts for Cece_338:
(Start: 2 @182417 has 6 MA's), (7, 182534), (14, 182798), (15, 182819), (18, 182840),

Gene: Cece_36 Start: 13983, Stop: 14420, Start Num: 2
Candidate Starts for Cece_36:
(Start: 2 @13983 has 6 MA's), (7, 14100), (14, 14364), (15, 14385), (18, 14406),

Gene: PauloDiaboli_32 Start: 10993, Stop: 11376, Start Num: 4
Candidate Starts for PauloDiaboli_32:
(Start: 4 @10993 has 4 MA's), (6, 11020), (7, 11059), (8, 11077), (9, 11152), (10, 11176), (12, 11245), (13, 11287),

Gene: PauloDiaboli_387 Start: 187622, Stop: 188005, Start Num: 4
Candidate Starts for PauloDiaboli_387:
(Start: 4 @187622 has 4 MA's), (6, 187649), (7, 187688), (8, 187706), (9, 187781), (10, 187805), (12, 187874), (13, 187916),

Gene: Pumpernickel_342 Start: 181631, Stop: 182104, Start Num: 1
Candidate Starts for Pumpernickel_342:
(Start: 1 @181631 has 2 MA's), (3, 181712), (14, 182045), (15, 182066), (17, 182075),

Gene: Pumpernickel_41 Start: 15499, Stop: 15972, Start Num: 1
Candidate Starts for Pumpernickel_41:
(Start: 1 @15499 has 2 MA's), (3, 15580), (14, 15913), (15, 15934), (17, 15943),

Gene: Zooman_32 Start: 13301, Stop: 13747, Start Num: 2
Candidate Starts for Zooman_32:
(Start: 2 @13301 has 6 MA's), (7, 13421), (8, 13439), (11, 13598), (13, 13658), (15, 13706), (16, 13712),

Gene: Zooman_345 Start: 188952, Stop: 189398, Start Num: 2
Candidate Starts for Zooman_345:
(Start: 2 @188952 has 6 MA's), (7, 189072), (8, 189090), (11, 189249), (13, 189309), (15, 189357), (16, 189363),