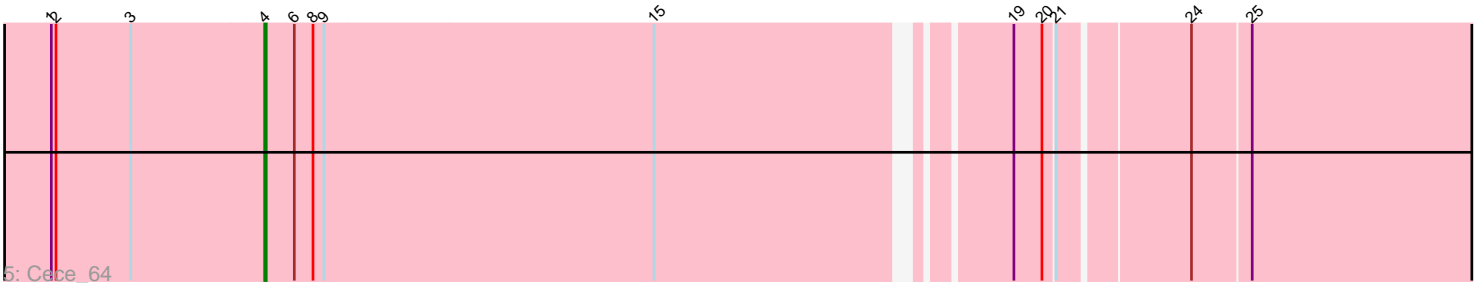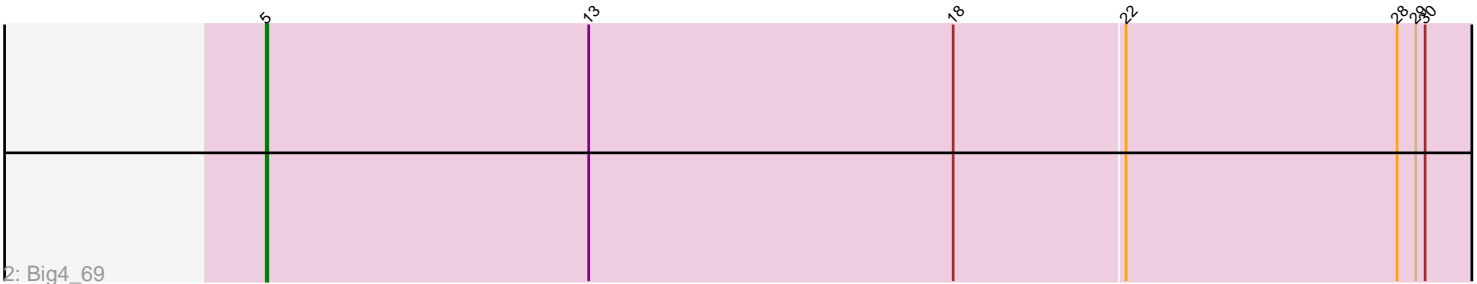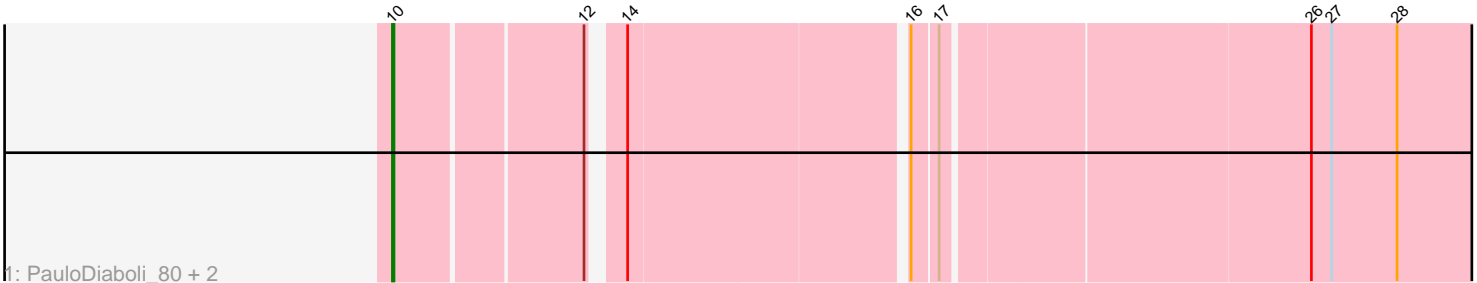# Pham 276984

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 276984 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276984 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : PauloDiaboli_80, A3Wally_80, Dodo_80
• Track 2 : Big4_69
• Track 3 : Zooman_65
• Track 4 : Erasmago_73
• Track 5 : Cece_64

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

Genes that call this "Most Annotated" start:
• Big4_69, Erasmago_73, Zooman_65,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_80, Cece_64, Dodo_80, PauloDiaboli_80,

Summary by start number:

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_64 (GD3),

Start 5:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Big4_69 (GD2), Erasmago_73 (GD2), Zooman_65 (GD2),

Start 10:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_80 (GD1), Dodo_80 (GD1), PauloDiaboli_80 (GD1),

Summary by clusters:

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

Info for manual annotations of cluster GD1:
•Start number 10 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 5 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.

Gene Information:
Gene: A3Wally_80 Start: 28878, Stop: 29555, Start Num: 10
Candidate Starts for A3Wally_80:
(Start: 10 @28878 has 2 MA's), (12, 28992), (14, 29007), (16, 29175), (17, 29190), (26, 29415), (27, 29427), (28, 29469),

Gene: Big4_69 Start: 28057, Stop: 28860, Start Num: 5
Candidate Starts for Big4_69:
(Start: 5 @28057 has 2 MA's), (13, 28264), (18, 28498), (22, 28606), (28, 28780), (29, 28792), (30, 28798),

Gene: Cece_64 Start: 26469, Stop: 27230, Start Num: 4
Candidate Starts for Cece_64:
(1, 26334), (2, 26337), (3, 26385), (Start: 4 @26469 has 1 MA's), (6, 26487), (8, 26499), (9, 26505), (15, 26715), (19, 26919), (20, 26937), (21, 26943), (24, 27021), (25, 27057),

Gene: Dodo_80 Start: 29200, Stop: 29877, Start Num: 10
Candidate Starts for Dodo_80:
(Start: 10 @29200 has 2 MA's), (12, 29314), (14, 29329), (16, 29497), (17, 29512), (26, 29737), (27, 29749), (28, 29791),

Gene: Erasmago_73 Start: 27744, Stop: 28547, Start Num: 5
Candidate Starts for Erasmago_73:
(Start: 5 @27744 has 2 MA's), (7, 27765), (22, 28293), (23, 28302), (29, 28479),

Gene: PauloDiaboli_80 Start: 28235, Stop: 28912, Start Num: 10
Candidate Starts for PauloDiaboli_80:
(Start: 10 @28235 has 2 MA's), (12, 28349), (14, 28364), (16, 28532), (17, 28547), (26, 28772), (27, 28784), (28, 28826),

Gene: Zooman_65 Start: 26725, Stop: 27528, Start Num: 5
Candidate Starts for Zooman_65:
(Start: 5 @26725 has 2 MA's), (11, 26845), (13, 26932), (18, 27166), (22, 27274), (28, 27448), (29, 27460), (30, 27466),