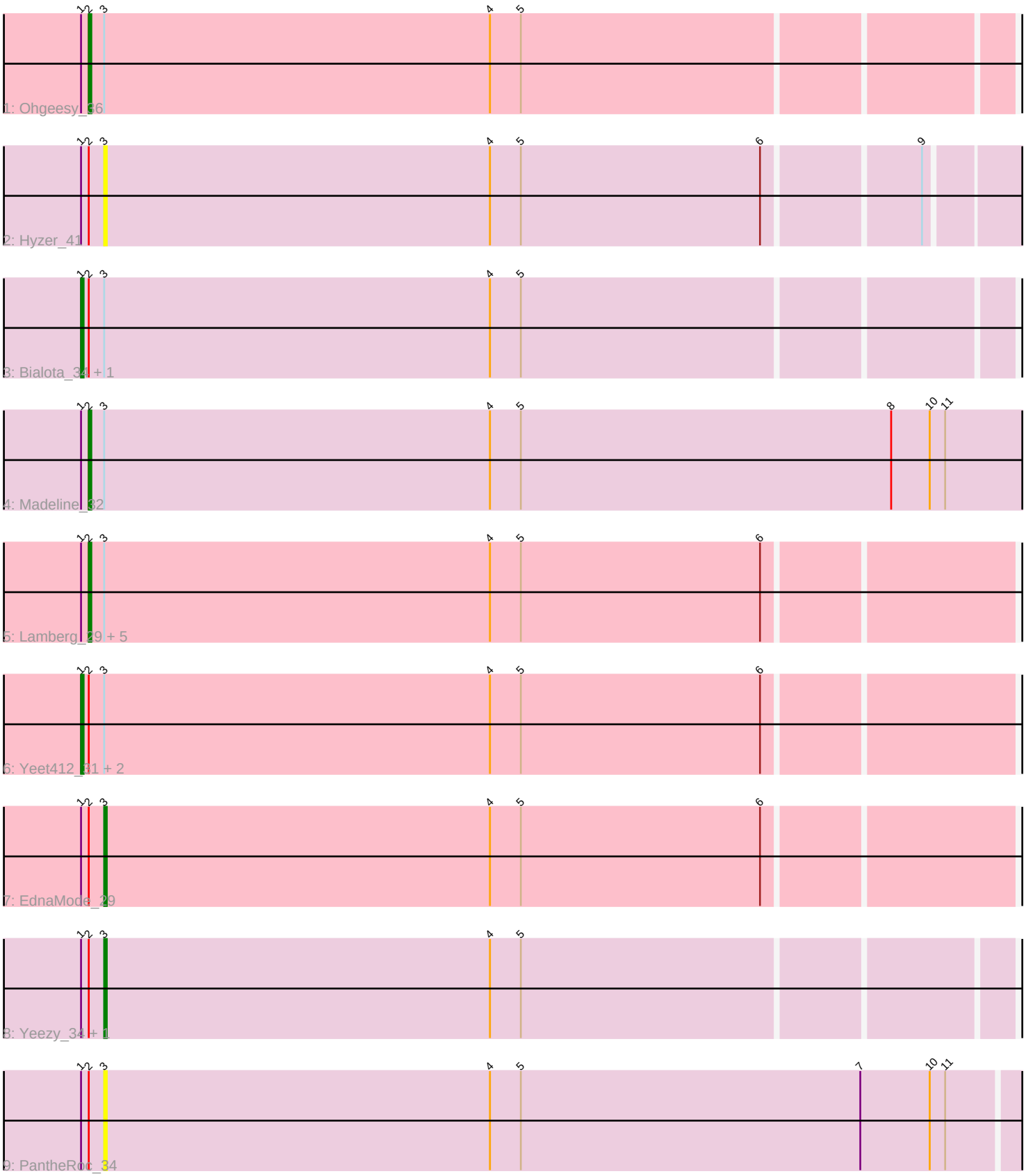
# Pham 165331


1
2
3
4
5
1: Ohgeesy_36
2
3
4
5
6
9
2: Hyzer_41
3
4
5
3: Bialota_34 + 1
4
5
8
10
11
4: Madeline_32
3
4
5
6
5: Lamberg_29 + 5
3
4
5
6
6: Yeet412_31 + 2
3
4
5
6
7: EdnaMode_29
3
4
5
8: Yeezy_34 + 1
3
4
5
7
10
11
9: PantheRoc_34

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 165331 Report

This analysis was run 07/09/24 on database version 566.

Pham number 165331 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Ohgeesy_36
• Track 2 : Hyzer_41
• Track 3 : Bialota_34, Zirinka_33
• Track 4 : Madeline_32
• Track 5 : Lamberg_29, Attis_31, Posh_40, LordFarquaad_31, Nettuno_29, SoilAssassin_31
• Track 6 : Yeet412_31, Bjanes7_31, Wrigley_41
• Track 7 : EdnaMode_29
• Track 8 : Yeezy_34, BaxterFox_34
• Track 9 : PantheRoc_34

***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 8 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Attis_31, Lamberg_29, LordFarquaad_31, Madeline_32, Nettuno_29, Ohgeesy_36, Posh_40, SoilAssassin_31,

Genes that have the "Most Annotated" start but do not call it:
• BaxterFox_34, Bialota_34, Bjanes7_31, EdnaMode_29, Hyzer_41, PantheRoc_34, Wrigley_41, Yeet412_31, Yeezy_34, Zirinka_33,

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

**Summary by start number:**

Start 1:
• Found in 18 of 18 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 5 of 16
• Called 27.8% of time when present

• Phage (with cluster) where this start called: Bialota_34 (CZ1), Bjanes7_31 (CZ2), Wrigley_41 (CY), Yeet412_31 (CZ2), Zirinka_33 (CZ1),

Start 2:
• Found in 18 of 18 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 8 of 16
• Called 44.4% of time when present
• Phage (with cluster) where this start called: Attis_31 (CZ2), Lamberg_29 (CZ2), LordFarquaad_31 (CZ2), Madeline_32 (CZ1), Nettuno_29 (CZ2), Ohgeesy_36 (CZ), Posh_40 (CY), SoilAssassin_31 (CZ2),

Start 3:
• Found in 18 of 18 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 27.8% of time when present
• Phage (with cluster) where this start called: BaxterFox_34 (CZ3), EdnaMode_29 (CZ2), Hyzer_41 (CZ1), PantheRoc_34 (CZ3), Yeezy_34 (CZ3),

**Summary by clusters:**

There are 5 clusters represented in this pham: CZ2, CZ3, CY, CZ1, CZ,

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

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

Info for manual annotations of cluster CZ1:
•Start number 1 was manually annotated 2 times for cluster CZ1.
•Start number 2 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 1 was manually annotated 2 times for cluster CZ2.
•Start number 2 was manually annotated 5 times for cluster CZ2.
•Start number 3 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 3 was manually annotated 2 times for cluster CZ3.

***Gene Information:***

Gene: Attis_31 Start: 26389, Stop: 26036, Start Num: 2
Candidate Starts for Attis_31:
(Start: 1 @26392 has 5 MA's), (Start: 2 @26389 has 8 MA's), (Start: 3 @26383 has 3 MA's), (4, 26233), (5, 26221), (6, 26128),

Gene: BaxterFox_34 Start: 29633, Stop: 29289, Start Num: 3
Candidate Starts for BaxterFox_34:

(Start: 1 @29642 has 5 MA's), (Start: 2 @29639 has 8 MA's), (Start: 3 @29633 has 3 MA's), (4, 29483), (5, 29471),

Gene: Bialota_34 Start: 30223, Stop: 29870, Start Num: 1
Candidate Starts for Bialota_34:
(Start: 1 @30223 has 5 MA's), (Start: 2 @30220 has 8 MA's), (Start: 3 @30214 has 3 MA's), (4, 30064), (5, 30052),

Gene: Bjanes7_31 Start: 26392, Stop: 26036, Start Num: 1
Candidate Starts for Bjanes7_31:
(Start: 1 @26392 has 5 MA's), (Start: 2 @26389 has 8 MA's), (Start: 3 @26383 has 3 MA's), (4, 26233), (5, 26221), (6, 26128),

Gene: EdnaMode_29 Start: 25071, Stop: 24724, Start Num: 3
Candidate Starts for EdnaMode_29:
(Start: 1 @25080 has 5 MA's), (Start: 2 @25077 has 8 MA's), (Start: 3 @25071 has 3 MA's), (4, 24921), (5, 24909), (6, 24816),

Gene: Hyzer_41 Start: 32872, Stop: 32501, Start Num: 3
Candidate Starts for Hyzer_41:
(Start: 1 @32881 has 5 MA's), (Start: 2 @32878 has 8 MA's), (Start: 3 @32872 has 3 MA's), (4, 32722), (5, 32710), (6, 32617), (9, 32560),

Gene: Lamberg_29 Start: 25077, Stop: 24724, Start Num: 2
Candidate Starts for Lamberg_29:
(Start: 1 @25080 has 5 MA's), (Start: 2 @25077 has 8 MA's), (Start: 3 @25071 has 3 MA's), (4, 24921), (5, 24909), (6, 24816),

Gene: LordFarquaad_31 Start: 26389, Stop: 26036, Start Num: 2
Candidate Starts for LordFarquaad_31:
(Start: 1 @26392 has 5 MA's), (Start: 2 @26389 has 8 MA's), (Start: 3 @26383 has 3 MA's), (4, 26233), (5, 26221), (6, 26128),

Gene: Madeline_32 Start: 29800, Stop: 29390, Start Num: 2
Candidate Starts for Madeline_32:
(Start: 1 @29803 has 5 MA's), (Start: 2 @29800 has 8 MA's), (Start: 3 @29794 has 3 MA's), (4, 29644), (5, 29632), (8, 29488), (10, 29473), (11, 29467),

Gene: Nettuno_29 Start: 25077, Stop: 24724, Start Num: 2
Candidate Starts for Nettuno_29:
(Start: 1 @25080 has 5 MA's), (Start: 2 @25077 has 8 MA's), (Start: 3 @25071 has 3 MA's), (4, 24921), (5, 24909), (6, 24816),

Gene: Ohgeesy_36 Start: 30596, Stop: 30246, Start Num: 2
Candidate Starts for Ohgeesy_36:
(Start: 1 @30599 has 5 MA's), (Start: 2 @30596 has 8 MA's), (Start: 3 @30590 has 3 MA's), (4, 30440), (5, 30428),

Gene: PantheRoc_34 Start: 28607, Stop: 28206, Start Num: 3
Candidate Starts for PantheRoc_34:
(Start: 1 @28616 has 5 MA's), (Start: 2 @28613 has 8 MA's), (Start: 3 @28607 has 3 MA's), (4, 28457), (5, 28445), (7, 28313), (10, 28286), (11, 28280),

Gene: Posh_40 Start: 32427, Stop: 32077, Start Num: 2
Candidate Starts for Posh_40:
(Start: 1 @32430 has 5 MA's), (Start: 2 @32427 has 8 MA's), (Start: 3 @32421 has 3 MA's), (4, 32271), (5, 32259), (6, 32166),

Gene: SoilAssassin_31 Start: 26388, Stop: 26035, Start Num: 2
Candidate Starts for SoilAssassin_31:
(Start: 1 @26391 has 5 MA's), (Start: 2 @26388 has 8 MA's), (Start: 3 @26382 has 3 MA's), (4, 26232), (5, 26220), (6, 26127),

Gene: Wrigley_41 Start: 31377, Stop: 31024, Start Num: 1
Candidate Starts for Wrigley_41:
(Start: 1 @31377 has 5 MA's), (Start: 2 @31374 has 8 MA's), (Start: 3 @31368 has 3 MA's), (4, 31218), (5, 31206), (6, 31113),

Gene: Yeet412_31 Start: 26392, Stop: 26036, Start Num: 1
Candidate Starts for Yeet412_31:
(Start: 1 @26392 has 5 MA's), (Start: 2 @26389 has 8 MA's), (Start: 3 @26383 has 3 MA's), (4, 26233), (5, 26221), (6, 26128),

Gene: Yeezy_34 Start: 28420, Stop: 28076, Start Num: 3
Candidate Starts for Yeezy_34:
(Start: 1 @28429 has 5 MA's), (Start: 2 @28426 has 8 MA's), (Start: 3 @28420 has 3 MA's), (4, 28270), (5, 28258),

Gene: Zirinka_33 Start: 30211, Stop: 29858, Start Num: 1
Candidate Starts for Zirinka_33:
(Start: 1 @30211 has 5 MA's), (Start: 2 @30208 has 8 MA's), (Start: 3 @30202 has 3 MA's), (4, 30052), (5, 30040),