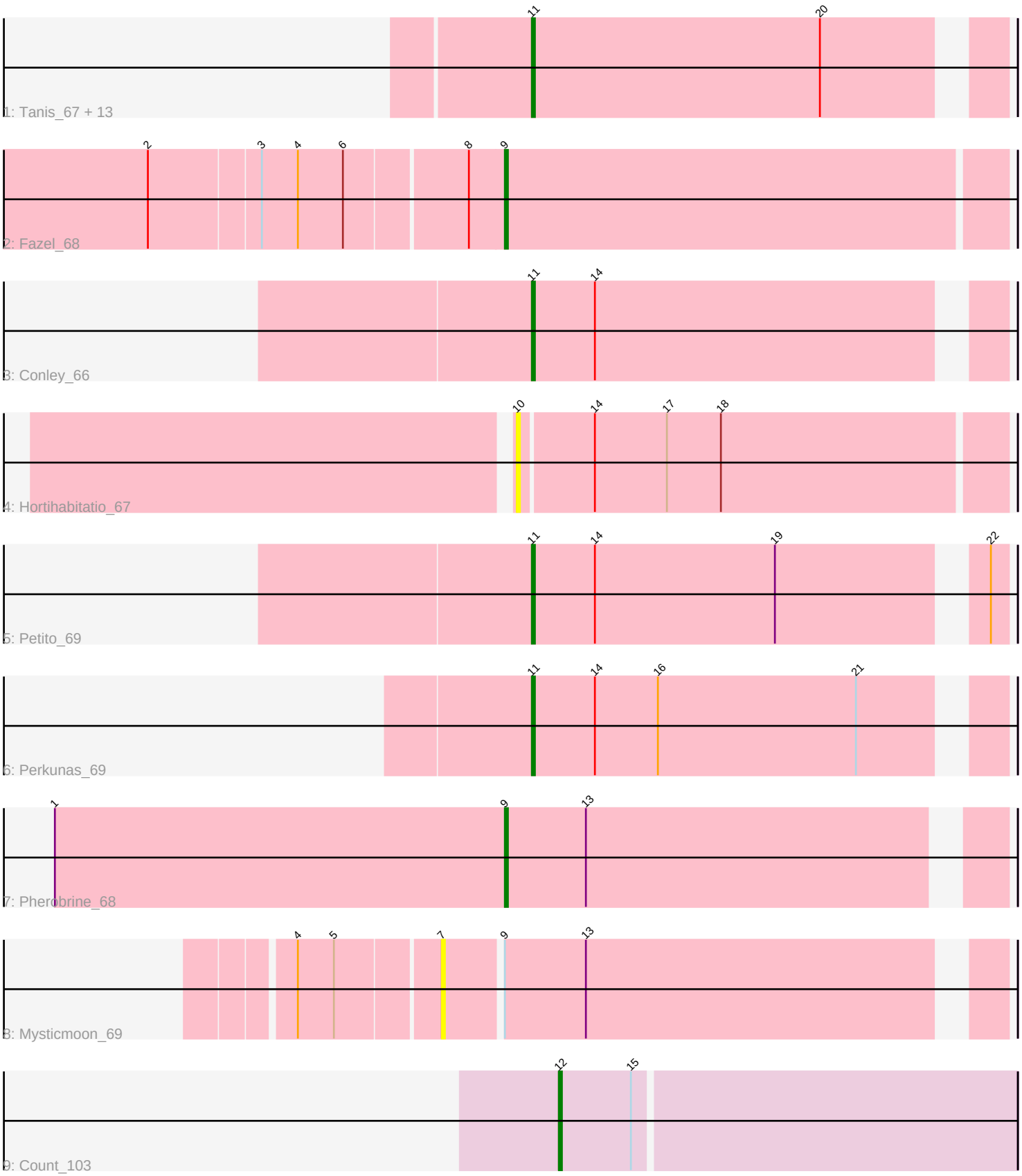
Pham 196804


11
20
1: Tanis_67 + 13
2
3
4
6
8
9
2: Fazel_68
11
14
3: Conley_66
10
14
17
18
4: Hortihabitatio_67
11
14
19
22
5: Petito_69
11
14
16
21
6: Perkunas_69
1
9
13
7: Pherobrine_68
4
5
7
9
13
8: Mysticmoon_69
12
15
9: Count_103

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 196804 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196804 has 22 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Tanis_67, Captrips_66, Capybara_67, Avazak_68, Artorias_67, Gravy_66, Gill_67, NoPickles_66, FortCran_67, Odesza_66, Magel_68, JulesRay_69, Roney_67, Kerry_66
• Track 2 : Fazel_68
• Track 3 : Conley_66
• Track 4 : Hortihabitatio_67
• Track 5 : Petito_69
• Track 6 : Perkunas_69
• Track 7 : Pherobrine_68
• Track 8 : Mysticmoon_69
• Track 9 : Count_103

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

The start number called the most often in the published annotations is 11, it was called in 15 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artorias_67, Avazak_68, Captrips_66, Capybara_67, Conley_66, FortCran_67, Gill_67, Gravy_66, JulesRay_69, Kerry_66, Magel_68, NoPickles_66, Odesza_66, Perkunas_69, Petito_69, Roney_67, Tanis_67,

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

Genes that do not have the "Most Annotated" start:
• Count_103, Fazel_68, Hortihabitatio_67, Mysticmoon_69, Pherobrine_68,

Summary by start number:

Start 7:
• Found in 1 of 22 (4.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Mysticmoon_69 (DJ),

Start 9:
• Found in 3 of 22 (13.6%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Fazel_68 (DJ), Pherobrine_68 (DJ),

Start 10:
• Found in 1 of 22 (4.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hortihabitatio_67 (DJ),

Start 11:
• Found in 17 of 22 (77.3%) of genes in pham
• Manual Annotations of this start: 15 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artorias_67 (DJ), Avazak_68 (DJ), Captrips_66 (DJ), Capybara_67 (DJ), Conley_66 (DJ), FortCran_67 (DJ), Gill_67 (DJ), Gravy_66 (DJ), JulesRay_69 (DJ), Kerry_66 (DJ), Magel_68 (DJ), NoPickles_66 (DJ), Odesza_66 (DJ), Perkunas_69 (DJ), Petito_69 (DJ), Roney_67 (DJ), Tanis_67 (DJ),

Start 12:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Count_103 (EL),

Summary by clusters:

There are 2 clusters represented in this pham: EL, DJ,

Info for manual annotations of cluster DJ:
•Start number 9 was manually annotated 2 times for cluster DJ.
•Start number 11 was manually annotated 15 times for cluster DJ.

Info for manual annotations of cluster EL:
•Start number 12 was manually annotated 1 time for cluster EL.

Gene Information:

Gene: Artorias_67 Start: 47313, Stop: 47459, Start Num: 11
Candidate Starts for Artorias_67:
(Start: 11 @47313 has 15 MA's), (20, 47409),

Gene: Avazak_68 Start: 47640, Stop: 47786, Start Num: 11
Candidate Starts for Avazak_68:
(Start: 11 @47640 has 15 MA's), (20, 47736),

Gene: Captrips_66 Start: 46788, Stop: 46934, Start Num: 11
Candidate Starts for Captrips_66:
(Start: 11 @46788 has 15 MA's), (20, 46884),

Gene: Capybara_67 Start: 47119, Stop: 47265, Start Num: 11
Candidate Starts for Capybara_67:
(Start: 11 @47119 has 15 MA's), (20, 47215),

Gene: Conley_66 Start: 47893, Stop: 48039, Start Num: 11
Candidate Starts for Conley_66:
(Start: 11 @47893 has 15 MA's), (14, 47914),

Gene: Count_103 Start: 64900, Stop: 65049, Start Num: 12
Candidate Starts for Count_103:
(Start: 12 @64900 has 1 MA's), (15, 64924),

Gene: Fazel_68 Start: 47387, Stop: 47551, Start Num: 9
Candidate Starts for Fazel_68:
(2, 47276), (3, 47312), (4, 47324), (6, 47339), (8, 47378), (Start: 9 @47387 has 2 MA's),

Gene: FortCran_67 Start: 47313, Stop: 47459, Start Num: 11
Candidate Starts for FortCran_67:
(Start: 11 @47313 has 15 MA's), (20, 47409),

Gene: Gill_67 Start: 47131, Stop: 47277, Start Num: 11
Candidate Starts for Gill_67:
(Start: 11 @47131 has 15 MA's), (20, 47227),

Gene: Gravy_66 Start: 46809, Stop: 46955, Start Num: 11
Candidate Starts for Gravy_66:
(Start: 11 @46809 has 15 MA's), (20, 46905),

Gene: Hortihabitatio_67 Start: 47777, Stop: 47935, Start Num: 10
Candidate Starts for Hortihabitatio_67:
(10, 47777), (14, 47801), (17, 47825), (18, 47843),

Gene: JulesRay_69 Start: 47306, Stop: 47452, Start Num: 11
Candidate Starts for JulesRay_69:
(Start: 11 @47306 has 15 MA's), (20, 47402),

Gene: Kerry_66 Start: 46809, Stop: 46955, Start Num: 11
Candidate Starts for Kerry_66:
(Start: 11 @46809 has 15 MA's), (20, 46905),

Gene: Magel_68 Start: 47046, Stop: 47192, Start Num: 11
Candidate Starts for Magel_68:
(Start: 11 @47046 has 15 MA's), (20, 47142),

Gene: Mysticmoon_69 Start: 48525, Stop: 48698, Start Num: 7
Candidate Starts for Mysticmoon_69:
(4, 48480), (5, 48492), (7, 48525), (Start: 9 @48543 has 2 MA's), (13, 48570),

Gene: NoPickles_66 Start: 46474, Stop: 46620, Start Num: 11

Candidate Starts for NoPickles_66:
(Start: 11 @46474 has 15 MA's), (20, 46570),

Gene: Odesza_66 Start: 46990, Stop: 47136, Start Num: 11
Candidate Starts for Odesza_66:
(Start: 11 @46990 has 15 MA's), (20, 47086),

Gene: Perkunas_69 Start: 47394, Stop: 47540, Start Num: 11
Candidate Starts for Perkunas_69:
(Start: 11 @47394 has 15 MA's), (14, 47415), (16, 47436), (21, 47502),

Gene: Petito_69 Start: 48564, Stop: 48710, Start Num: 11
Candidate Starts for Petito_69:
(Start: 11 @48564 has 15 MA's), (14, 48585), (19, 48645), (22, 48705),

Gene: Pherobrine_68 Start: 48600, Stop: 48755, Start Num: 9
Candidate Starts for Pherobrine_68:
(1, 48450), (Start: 9 @48600 has 2 MA's), (13, 48627),

Gene: Roney_67 Start: 47156, Stop: 47302, Start Num: 11
Candidate Starts for Roney_67:
(Start: 11 @47156 has 15 MA's), (20, 47252),

Gene: Tanis_67 Start: 46976, Stop: 47122, Start Num: 11
Candidate Starts for Tanis_67:
(Start: 11 @46976 has 15 MA's), (20, 47072),