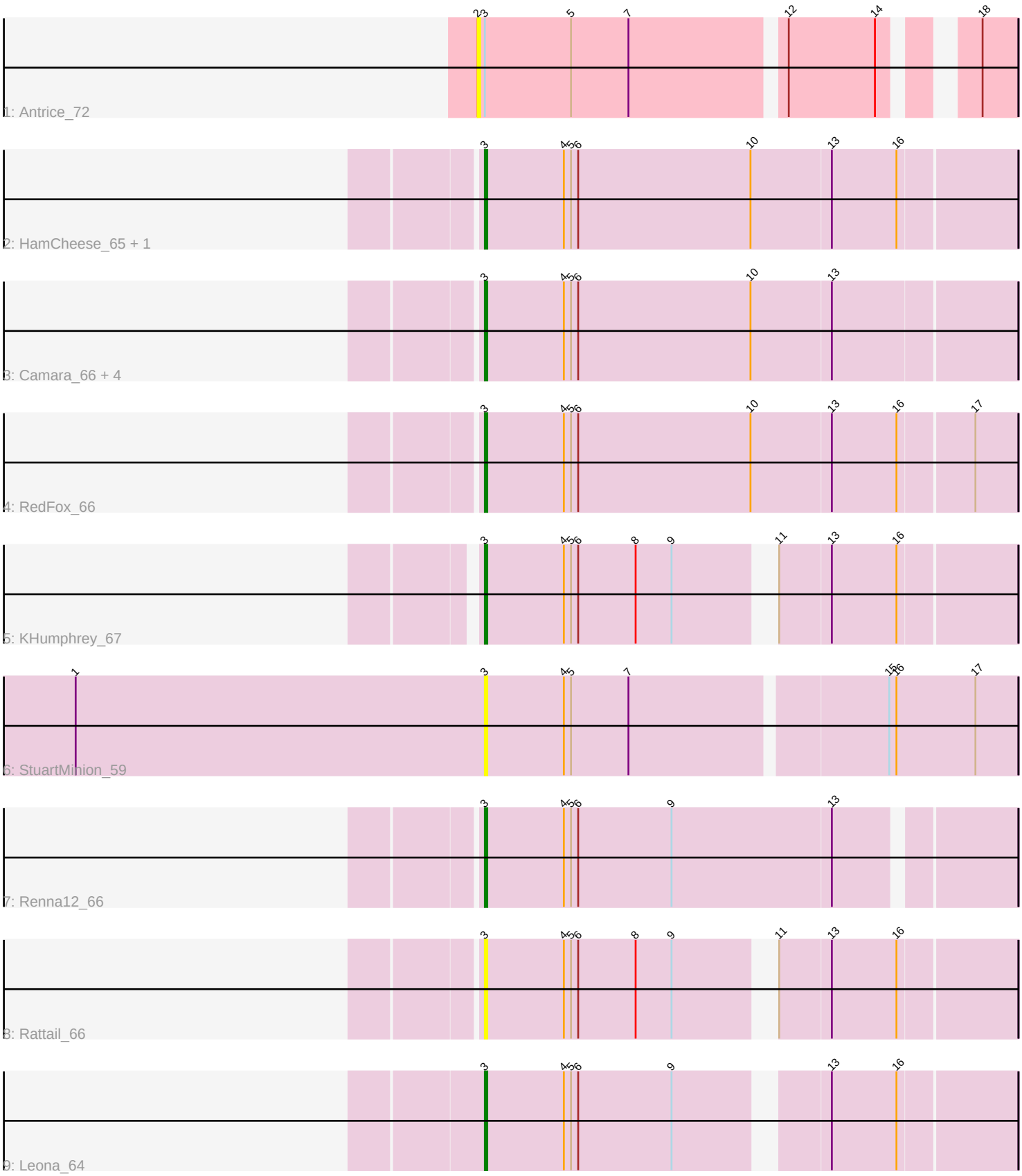
Pham 203438


2
3
5
7
12
14
18
1: Antrice_72
3
4
5
6
10
13
16
2: HamCheese_65 + 1
3
4
5
6
10
13
3: Camara_66 + 4
3
4
5
6
10
13
16
17
4: RedFox_66
3
4
5
6
8
9
11
13
16
5: KHumphrey_67
1
3
4
5
7
15
16
17
6: StuartMinion_59
3
4
5
6
9
13
7: Renna12_66
3
4
5
6
8
9
11
13
16
8: Rattail_66
3
4
5
6
9
13
16
9: Leona_64

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 203438 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203438 has 14 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Antrice_72
• Track 2 : HamCheese_65, PhluffyCoco_66
• Track 3 : Camara_66, Juno112_65, Glotell_69, AmiCi24_65, Atlantica_67
• Track 4 : RedFox_66
• Track 5 : KHumphrey_67
• Track 6 : StuartMinion_59
• Track 7 : Renna12_66
• Track 8 : Rattail_66
• Track 9 : Leona_64

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AmiCi24_65, Atlantica_67, Camara_66, Glotell_69, HamCheese_65, Juno112_65, KHumphrey_67, Leona_64, PhluffyCoco_66, Rattail_66, RedFox_66, Renna12_66, StuartMinion_59,

Genes that have the "Most Annotated" start but do not call it:
• Antrice_72,

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

Summary by start number:

Start 2:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antrice_72 (AS2),

Start 3:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 92.9% of time when present
• Phage (with cluster) where this start called: AmiCi24_65 (AS3), Atlantica_67 (AS3), Camara_66 (AS3), Glotell_69 (AS3), HamCheese_65 (AS3), Juno112_65 (AS3), KHumphrey_67 (AS3), Leona_64 (AS3), PhluffyCoco_66 (AS3), Rattail_66 (AS3), RedFox_66 (AS3), Renna12_66 (AS3), StuartMinion_59 (AS3),

Summary by clusters:

There are 2 clusters represented in this pham: AS3, AS2,

Info for manual annotations of cluster AS3:
•Start number 3 was manually annotated 6 times for cluster AS3.

Gene Information:

Gene: AmiCi24_65 Start: 37205, Stop: 37423, Start Num: 3
Candidate Starts for AmiCi24_65:
(Start: 3 @37205 has 6 MA's), (4, 37238), (5, 37241), (6, 37244), (10, 37316), (13, 37349),

Gene: Antrice_72 Start: 37042, Stop: 37242, Start Num: 2
Candidate Starts for Antrice_72:
(2, 37042), (Start: 3 @37045 has 6 MA's), (5, 37081), (7, 37105), (12, 37165), (14, 37201), (18, 37228),

Gene: Atlantica_67 Start: 37207, Stop: 37425, Start Num: 3
Candidate Starts for Atlantica_67:
(Start: 3 @37207 has 6 MA's), (4, 37240), (5, 37243), (6, 37246), (10, 37318), (13, 37351),

Gene: Camara_66 Start: 37098, Stop: 37316, Start Num: 3
Candidate Starts for Camara_66:
(Start: 3 @37098 has 6 MA's), (4, 37131), (5, 37134), (6, 37137), (10, 37209), (13, 37242),

Gene: Glotell_69 Start: 37253, Stop: 37471, Start Num: 3
Candidate Starts for Glotell_69:
(Start: 3 @37253 has 6 MA's), (4, 37286), (5, 37289), (6, 37292), (10, 37364), (13, 37397),

Gene: HamCheese_65 Start: 37193, Stop: 37411, Start Num: 3
Candidate Starts for HamCheese_65:
(Start: 3 @37193 has 6 MA's), (4, 37226), (5, 37229), (6, 37232), (10, 37304), (13, 37337), (16, 37364),

Gene: Juno112_65 Start: 37209, Stop: 37427, Start Num: 3
Candidate Starts for Juno112_65:
(Start: 3 @37209 has 6 MA's), (4, 37242), (5, 37245), (6, 37248), (10, 37320), (13, 37353),

Gene: KHumphrey_67 Start: 37094, Stop: 37300, Start Num: 3
Candidate Starts for KHumphrey_67:
(Start: 3 @37094 has 6 MA's), (4, 37127), (5, 37130), (6, 37133), (8, 37157), (9, 37172), (11, 37205), (13, 37226), (16, 37253),

Gene: Leona_64 Start: 37304, Stop: 37510, Start Num: 3
Candidate Starts for Leona_64:
(Start: 3 @37304 has 6 MA's), (4, 37337), (5, 37340), (6, 37343), (9, 37382), (13, 37436), (16, 37463),

Gene: PhluffyCoco_66 Start: 37308, Stop: 37526, Start Num: 3
Candidate Starts for PhluffyCoco_66:
(Start: 3 @37308 has 6 MA's), (4, 37341), (5, 37344), (6, 37347), (10, 37419), (13, 37452), (16, 37479),

Gene: Rattail_66 Start: 37393, Stop: 37599, Start Num: 3
Candidate Starts for Rattail_66:
(Start: 3 @37393 has 6 MA's), (4, 37426), (5, 37429), (6, 37432), (8, 37456), (9, 37471), (11, 37504), (13, 37525), (16, 37552),

Gene: RedFox_66 Start: 37306, Stop: 37524, Start Num: 3
Candidate Starts for RedFox_66:
(Start: 3 @37306 has 6 MA's), (4, 37339), (5, 37342), (6, 37345), (10, 37417), (13, 37450), (16, 37477), (17, 37507),

Gene: Renna12_66 Start: 37425, Stop: 37637, Start Num: 3
Candidate Starts for Renna12_66:
(Start: 3 @37425 has 6 MA's), (4, 37458), (5, 37461), (6, 37464), (9, 37503), (13, 37569),

Gene: StuartMinion_59 Start: 33673, Stop: 33888, Start Num: 3
Candidate Starts for StuartMinion_59:
(1, 33502), (Start: 3 @33673 has 6 MA's), (4, 33706), (5, 33709), (7, 33733), (15, 33835), (16, 33838), (17, 33871),