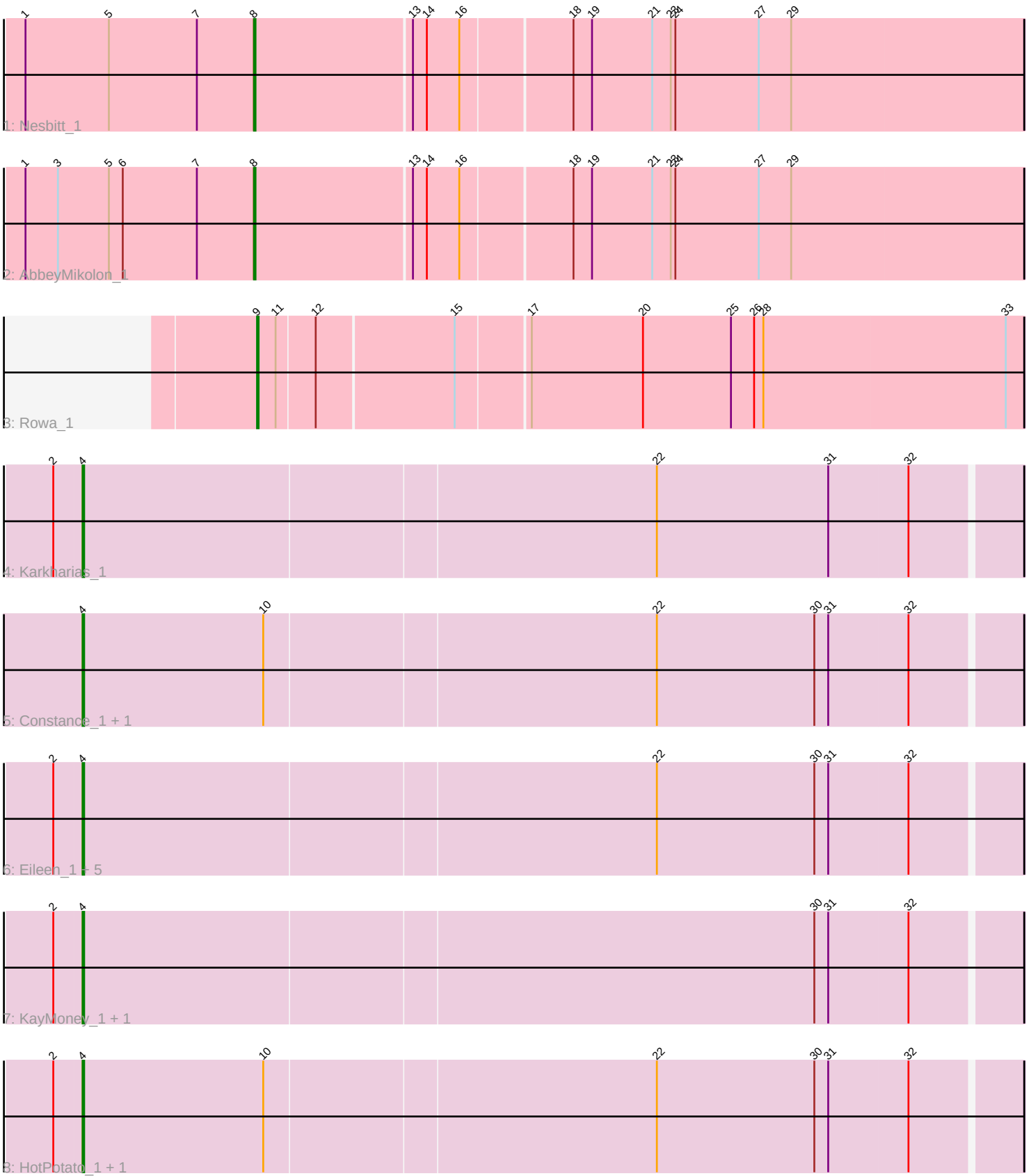
Pham 203388


1: Nesbitt_1
2: AbbeyMikolon_1
3: Rowa_1
4: Karkharias_1
5: Constance_1 + 1
6: Eileen_1 + 5
7: KayMoney_1 + 1
8: HotPotato_1 + 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 203388 Report

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

Pham number 203388 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Nesbitt_1
• Track 2 : AbbeyMikolon_1
• Track 3 : Rowa_1
• Track 4 : Karkharias_1
• Track 5 : Constance_1, PeggyLeg03_1
• Track 6 : Eileen_1, Peas_1, Judy_1, Pucara_1, ChuckDuck_1, FosterFrank_1
• Track 7 : KayMoney_1, GlobiWarming_1
• Track 8 : HotPotato_1, Bridgette_1

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bridgette_1, ChuckDuck_1, Constance_1, Eileen_1, FosterFrank_1, GlobiWarming_1, HotPotato_1, Judy_1, Karkharias_1, KayMoney_1, Peas_1, PeggyLeg03_1, Pucara_1,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• AbbeyMikolon_1, Nesbitt_1, Rowa_1,

Summary by start number:

Start 4:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 9 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bridgette_1 (FA), ChuckDuck_1 (FA), Constance_1 (FA), Eileen_1 (FA), FosterFrank_1 (FA), GlobiWarming_1 (FA), HotPotato_1 (FA), Judy_1 (FA), Karkharias_1 (FA), KayMoney_1 (FA), Peas_1 (FA),

PeggyLeg03_1 (FA), Pucara_1 (FA),

Start 8:
• Found in 2 of 16 (12.5%) 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: AbbeyMikolon_1 (BL), Nesbitt_1 (BL),

Start 9:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rowa_1 (BL),

Summary by clusters:

There are 2 clusters represented in this pham: BL, FA,

Info for manual annotations of cluster BL:
•Start number 8 was manually annotated 2 times for cluster BL.
•Start number 9 was manually annotated 1 time for cluster BL.

Info for manual annotations of cluster FA:
•Start number 4 was manually annotated 9 times for cluster FA.

Gene Information:

Gene: AbbeyMikolon_1 Start: 162, Stop: 650, Start Num: 8
Candidate Starts for AbbeyMikolon_1:
(1, 15), (3, 36), (5, 69), (6, 78), (7, 126), (Start: 8 @162 has 2 MA's), (13, 261), (14, 270), (16, 291), (18, 360), (19, 372), (21, 411), (23, 423), (24, 426), (27, 480), (29, 501),

Gene: Bridgette_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Bridgette_1:
(2, 33), (Start: 4 @51 has 9 MA's), (10, 168), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: ChuckDuck_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for ChuckDuck_1:
(2, 33), (Start: 4 @51 has 9 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: Constance_1 Start: 52, Stop: 648, Start Num: 4
Candidate Starts for Constance_1:
(Start: 4 @52 has 9 MA's), (10, 169), (22, 418), (30, 520), (31, 529), (32, 580),

Gene: Eileen_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Eileen_1:
(2, 33), (Start: 4 @51 has 9 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: FosterFrank_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for FosterFrank_1:
(2, 33), (Start: 4 @51 has 9 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: GlobiWarming_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for GlobiWarming_1:
(2, 33), (Start: 4 @51 has 9 MA's), (30, 519), (31, 528), (32, 579),

Gene: HotPotato_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for HotPotato_1:
(2, 33), (Start: 4 @51 has 9 MA's), (10, 168), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: Judy_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Judy_1:
(2, 33), (Start: 4 @51 has 9 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: Karkharias_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Karkharias_1:
(2, 33), (Start: 4 @51 has 9 MA's), (22, 417), (31, 528), (32, 579),

Gene: KayMoney_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for KayMoney_1:
(2, 33), (Start: 4 @51 has 9 MA's), (30, 519), (31, 528), (32, 579),

Gene: Nesbitt_1 Start: 162, Stop: 650, Start Num: 8
Candidate Starts for Nesbitt_1:
(1, 15), (5, 69), (7, 126), (Start: 8 @162 has 2 MA's), (13, 261), (14, 270), (16, 291), (18, 360), (19, 372), (21, 411), (23, 423), (24, 426), (27, 480), (29, 501),

Gene: Peas_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Peas_1:
(2, 33), (Start: 4 @51 has 9 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: PeggyLeg03_1 Start: 52, Stop: 648, Start Num: 4
Candidate Starts for PeggyLeg03_1:
(Start: 4 @52 has 9 MA's), (10, 169), (22, 418), (30, 520), (31, 529), (32, 580),

Gene: Pucara_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Pucara_1:
(2, 33), (Start: 4 @51 has 9 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: Rowa_1 Start: 67, Stop: 552, Start Num: 9
Candidate Starts for Rowa_1:
(Start: 9 @67 has 1 MA's), (11, 79), (12, 103), (15, 190), (17, 235), (20, 307), (25, 364), (26, 379), (28, 385), (33, 541),