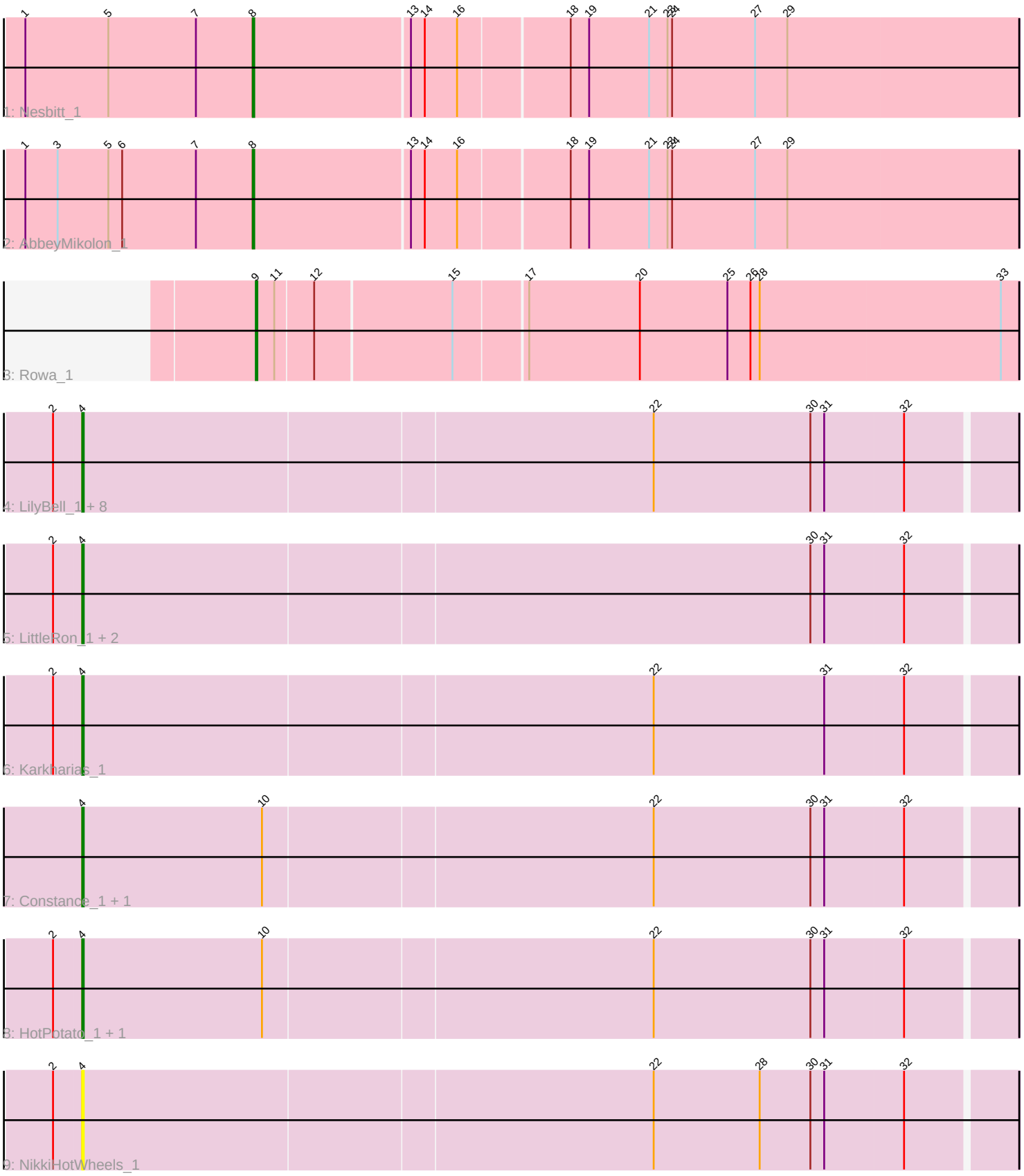
Pham 284200


1: Nesbitt_1
2: AbbeyMikolon_1
3: Rowa_1
4: LilyBell_1 + 8
5: LittleRon_1 + 2
6: Karkharias_1
7: Constance_1 + 1
8: HotPotato_1 + 1
9: NikkiHotWheels_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 284200 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284200 has 21 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Nesbitt_1
• Track 2 : AbbeyMikolon_1
• Track 3 : Rowa_1
• Track 4 : LilyBell_1, Eileen_1, Henrique_1, Peas_1, NidoQ_1, Judy_1, Pucara_1, ChuckDuck_1, FosterFrank_1
• Track 5 : LittleRon_1, KayMoney_1, GlobiWarming_1
• Track 6 : Karkharias_1
• Track 7 : Constance_1, PeggyLeg03_1
• Track 8 : HotPotato_1, Bridgette_1
• Track 9 : NikkiHotWheels_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 10 of the 13 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, Henrique_1, HotPotato_1, Judy_1, Karkharias_1, KayMoney_1, LilyBell_1, LittleRon_1, NidoQ_1, NikkiHotWheels_1, Peas_1, PeggyLeg03_1, Pucara_1,

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

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

Summary by start number:

Start 4:
• Found in 18 of 21 (85.7%) of genes in pham
• Manual Annotations of this start: 10 of 13
• 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), Henrique_1 (FA), HotPotato_1 (FA), Judy_1 (FA), Karkharias_1 (FA), KayMoney_1 (FA), LilyBell_1 (FA), LittleRon_1 (FA), NidoQ_1 (FA), NikkiHotWheels_1 (FA), Peas_1 (FA), PeggyLeg03_1 (FA), Pucara_1 (FA),

Start 8:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 2 of 13
• 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 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 13
• 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 10 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 10 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 10 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 10 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 10 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 10 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 10 MA's), (30, 519), (31, 528), (32, 579),

Gene: Henrique_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Henrique_1:
(2, 33), (Start: 4 @51 has 10 MA's), (22, 417), (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 10 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 10 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 10 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 10 MA's), (30, 519), (31, 528), (32, 579),

Gene: LilyBell_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for LilyBell_1:
(2, 33), (Start: 4 @51 has 10 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: LittleRon_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for LittleRon_1:
(2, 33), (Start: 4 @51 has 10 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: NidoQ_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for NidoQ_1:
(2, 33), (Start: 4 @51 has 10 MA's), (22, 417), (30, 519), (31, 528), (32, 579),

Gene: NikkiHotWheels_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for NikkiHotWheels_1:
(2, 33), (Start: 4 @51 has 10 MA's), (22, 417), (28, 486), (30, 519), (31, 528), (32, 579),

Gene: Peas_1 Start: 51, Stop: 647, Start Num: 4
Candidate Starts for Peas_1:
(2, 33), (Start: 4 @51 has 10 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 10 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 10 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),