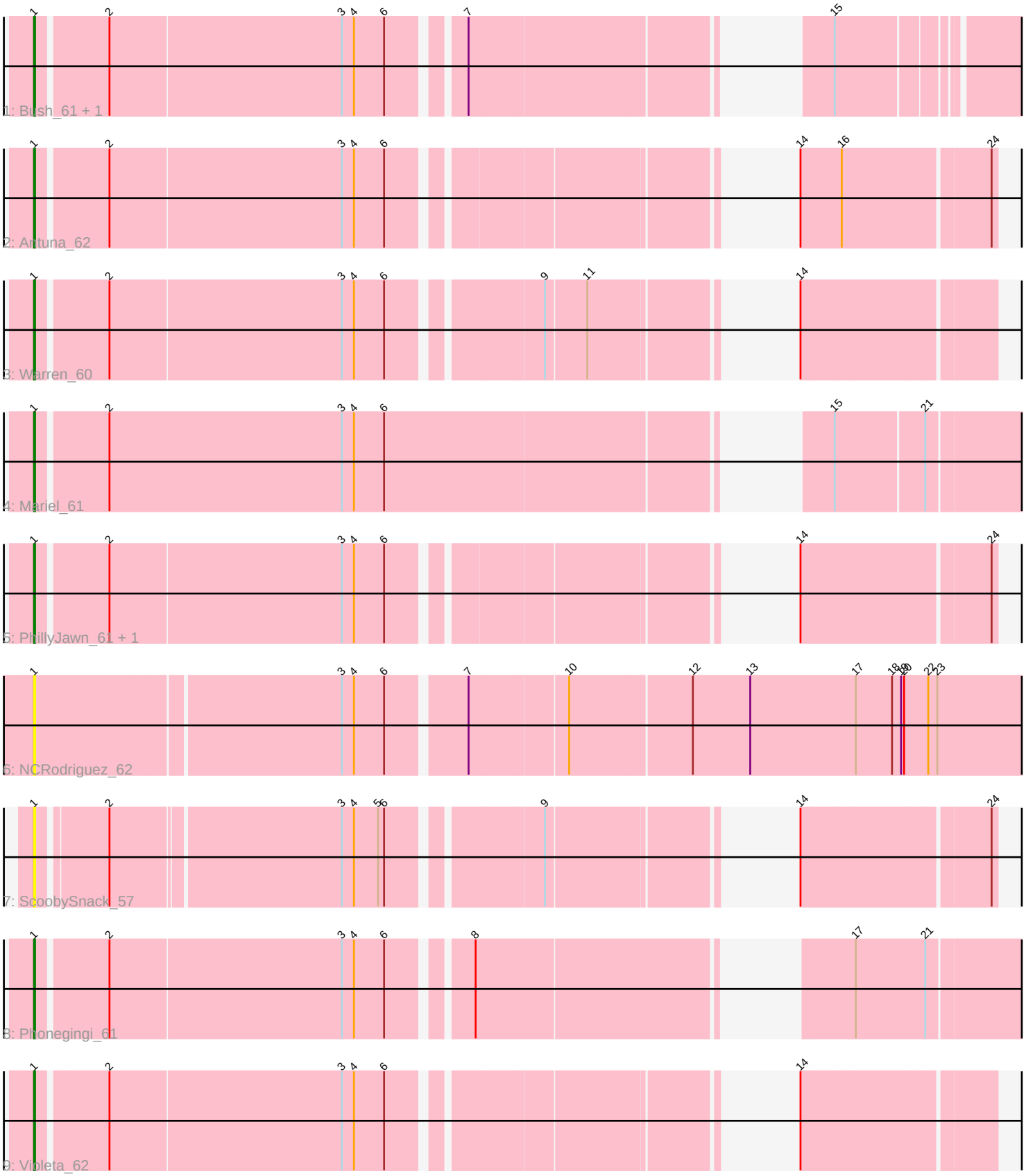
Pham 348235


1: Bush_61 + 1
2: Antuna_62
3: Warren_60
4: Mariel_61
5: PhillyJawn_61 + 1
6: NCRodriguez_62
7: ScoobySnack_57
8: Phonegingi_61
9: Vibleta_62

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 348235 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348235 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Bush_61, MenE_62
• Track 2 : Antuna_62
• Track 3 : Warren_60
• Track 4 : Mariel_61
• Track 5 : PhillyJawn_61, Appa_60
• Track 6 : NCRodriguez_62
• Track 7 : ScoobySnack_57
• Track 8 : Phonegingi_61
• Track 9 : Violeta_62

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antuna_62, Appa_60, Bush_61, Mariel_61, MenE_62, NCRodriguez_62, PhillyJawn_61, Phonegingi_61, ScoobySnack_57, Violeta_62, Warren_60,

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

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

Summary by start number:

Start 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antuna_62 (GA), Appa_60 (GA), Bush_61 (GA), Mariel_61 (GA), MenE_62 (GA), NCRodriguez_62 (GA), PhillyJawn_61 (GA), Phonegingi_61 (GA), ScoobySnack_57 (GA), Violeta_62 (GA),

Warren_60 (GA),

Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:
•Start number 1 was manually annotated 8 times for cluster GA.

Gene Information:

Gene: Antuna_62 Start: 35603, Stop: 36412, Start Num: 1
Candidate Starts for Antuna_62:
(Start: 1 @35603 has 8 MA's), (2, 35669), (3, 35897), (4, 35909), (6, 35939), (14, 36230), (16, 36269), (24, 36407),

Gene: Appa_60 Start: 35359, Stop: 36168, Start Num: 1
Candidate Starts for Appa_60:
(Start: 1 @35359 has 8 MA's), (2, 35425), (3, 35653), (4, 35665), (6, 35695), (14, 35986), (24, 36163),

Gene: Bush_61 Start: 35499, Stop: 36332, Start Num: 1
Candidate Starts for Bush_61:
(Start: 1 @35499 has 8 MA's), (2, 35565), (3, 35793), (4, 35805), (6, 35835), (7, 35898), (15, 36159),

Gene: Mariel_61 Start: 35931, Stop: 36803, Start Num: 1
Candidate Starts for Mariel_61:
(Start: 1 @35931 has 8 MA's), (2, 35997), (3, 36228), (4, 36240), (6, 36270), (15, 36615), (21, 36699),

Gene: MenE_62 Start: 35625, Stop: 36455, Start Num: 1
Candidate Starts for MenE_62:
(Start: 1 @35625 has 8 MA's), (2, 35691), (3, 35919), (4, 35931), (6, 35961), (7, 36024), (15, 36282),

Gene: NCRodriguez_62 Start: 35677, Stop: 36636, Start Num: 1
Candidate Starts for NCRodriguez_62:
(Start: 1 @35677 has 8 MA's), (3, 35971), (4, 35983), (6, 36013), (7, 36085), (10, 36178), (12, 36295), (13, 36352), (17, 36457), (18, 36493), (19, 36502), (20, 36505), (22, 36529), (23, 36538),

Gene: PhillyJawn_61 Start: 35356, Stop: 36165, Start Num: 1
Candidate Starts for PhillyJawn_61:
(Start: 1 @35356 has 8 MA's), (2, 35422), (3, 35650), (4, 35662), (6, 35692), (14, 35983), (24, 36160),

Gene: Phonegingi_61 Start: 35670, Stop: 36533, Start Num: 1
Candidate Starts for Phonegingi_61:
(Start: 1 @35670 has 8 MA's), (2, 35736), (3, 35964), (4, 35976), (6, 36006), (8, 36075), (17, 36360), (21, 36429),

Gene: ScoobySnack_57 Start: 35317, Stop: 36117, Start Num: 1
Candidate Starts for ScoobySnack_57:
(Start: 1 @35317 has 8 MA's), (2, 35380), (3, 35599), (4, 35611), (5, 35635), (6, 35641), (9, 35776), (14, 35935), (24, 36112),

Gene: Violeta_62 Start: 35467, Stop: 36279, Start Num: 1
Candidate Starts for Violeta_62:
(Start: 1 @35467 has 8 MA's), (2, 35533), (3, 35761), (4, 35773), (6, 35803), (14, 36097),

Gene: Warren_60 Start: 35419, Stop: 36231, Start Num: 1
Candidate Starts for Warren_60:
(Start: 1 @35419 has 8 MA's), (2, 35485), (3, 35713), (4, 35725), (6, 35755), (9, 35890), (11, 35929), (14, 36049),