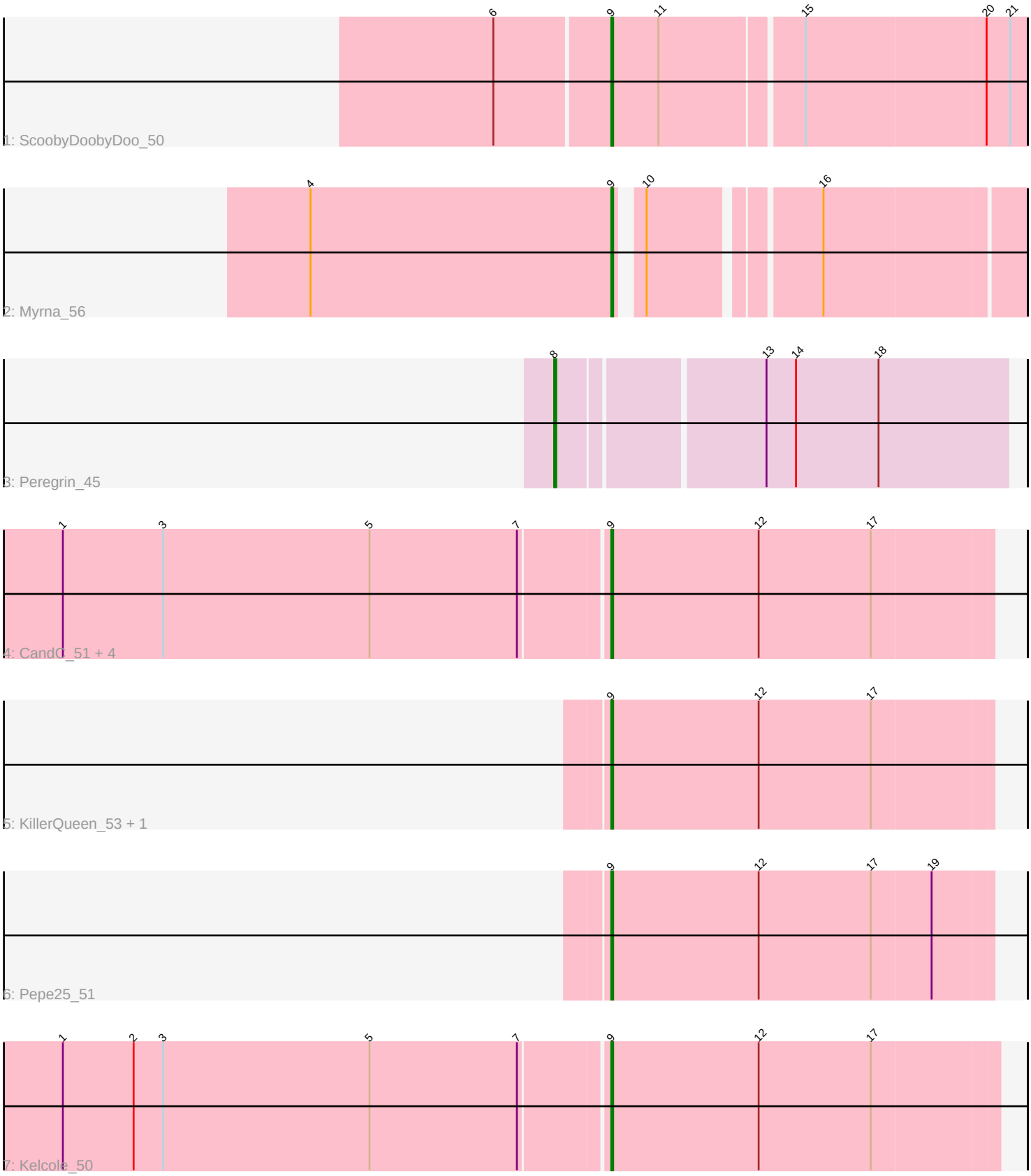
Pham 348206


6
9
11
15
20
21
1: ScoobyDoobyDoo_50
4
9
10
16
2: Myrna_56
8
13
14
18
3: Peregrin_45
1
3
5
7
9
12
17
4: CandC_51 + 4
9
12
17
5: KillerQueen_53 + 1
9
12
17
19
6: Pepe25_51
1
2
3
5
7
9
12
17
7: Kelcole_50

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 348206 Report

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

Pham number 348206 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ScoobyDoobyDoo_50
• Track 2 : Myrna_56
• Track 3 : Peregrin_45
• Track 4 : CandC_51, Fregley_53, Romm_54, RobinRose_54, OneinaGillian_52
• Track 5 : KillerQueen_53, Tempo_52
• Track 6 : Pepe25_51
• Track 7 : Kelcole_50

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

The start number called the most often in the published annotations is 9, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CandC_51, Fregley_53, Kelcole_50, KillerQueen_53, Myrna_56, OneinaGillian_52, Pepe25_51, RobinRose_54, Romm_54, ScoobyDoobyDoo_50, Tempo_52,

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

Genes that do not have the "Most Annotated" start:
• Peregrin_45,

Summary by start number:

Start 8:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Peregrin_45 (CB),

Start 9:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 10 of 11

• Called 100.0% of time when present
• Phage (with cluster) where this start called: CandC_51 (EG), Fregley_53 (EG), Kelcole_50 (EG), KillerQueen_53 (EG), Myrna_56 (C2), OneinaGillian_52 (EG), Pepe25_51 (EG), RobinRose_54 (EG), Romm_54 (EG), ScoobyDoobyDoo_50 (C2), Tempo_52 (EG),

Summary by clusters:

There are 3 clusters represented in this pham: C2, EG, CB,

Info for manual annotations of cluster C2:
•Start number 9 was manually annotated 2 times for cluster C2.

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

Info for manual annotations of cluster EG:
•Start number 9 was manually annotated 8 times for cluster EG.

Gene Information:

Gene: CandC_51 Start: 36309, Stop: 36118, Start Num: 9
Candidate Starts for CandC_51:
(1, 36582), (3, 36531), (5, 36426), (7, 36351), (Start: 9 @36309 has 10 MA's), (12, 36234), (17, 36177),

Gene: Fregley_53 Start: 36870, Stop: 36679, Start Num: 9
Candidate Starts for Fregley_53:
(1, 37143), (3, 37092), (5, 36987), (7, 36912), (Start: 9 @36870 has 10 MA's), (12, 36795), (17, 36738),

Gene: Kelcole_50 Start: 36504, Stop: 36310, Start Num: 9
Candidate Starts for Kelcole_50:
(1, 36777), (2, 36741), (3, 36726), (5, 36621), (7, 36546), (Start: 9 @36504 has 10 MA's), (12, 36429), (17, 36372),

Gene: KillerQueen_53 Start: 36753, Stop: 36562, Start Num: 9
Candidate Starts for KillerQueen_53:
(Start: 9 @36753 has 10 MA's), (12, 36678), (17, 36621),

Gene: Myrna_56 Start: 22168, Stop: 22353, Start Num: 9
Candidate Starts for Myrna_56:
(4, 22015), (Start: 9 @22168 has 10 MA's), (10, 22177), (16, 22255),

Gene: OneinaGillian_52 Start: 36406, Stop: 36215, Start Num: 9
Candidate Starts for OneinaGillian_52:
(1, 36679), (3, 36628), (5, 36523), (7, 36448), (Start: 9 @36406 has 10 MA's), (12, 36331), (17, 36274),

Gene: Pepe25_51 Start: 35948, Stop: 35757, Start Num: 9
Candidate Starts for Pepe25_51:
(Start: 9 @35948 has 10 MA's), (12, 35873), (17, 35816), (19, 35786),

Gene: Peregrin_45 Start: 15804, Stop: 15583, Start Num: 8

Candidate Starts for Peregrin_45:
(Start: 8 @15804 has 1 MA's), (13, 15705), (14, 15690), (18, 15648),

Gene: RobinRose_54 Start: 36915, Stop: 36724, Start Num: 9
Candidate Starts for RobinRose_54:
(1, 37188), (3, 37137), (5, 37032), (7, 36957), (Start: 9 @36915 has 10 MA's), (12, 36840), (17, 36783),

Gene: Romm_54 Start: 36915, Stop: 36724, Start Num: 9
Candidate Starts for Romm_54:
(1, 37188), (3, 37137), (5, 37032), (7, 36957), (Start: 9 @36915 has 10 MA's), (12, 36840), (17, 36783),

Gene: ScoobyDoobyDoo_50 Start: 17925, Stop: 18128, Start Num: 9
Candidate Starts for ScoobyDoobyDoo_50:
(6, 17868), (Start: 9 @17925 has 10 MA's), (11, 17949), (15, 18018), (20, 18108), (21, 18120),

Gene: Tempo_52 Start: 36794, Stop: 36603, Start Num: 9
Candidate Starts for Tempo_52:
(Start: 9 @36794 has 10 MA's), (12, 36719), (17, 36662),