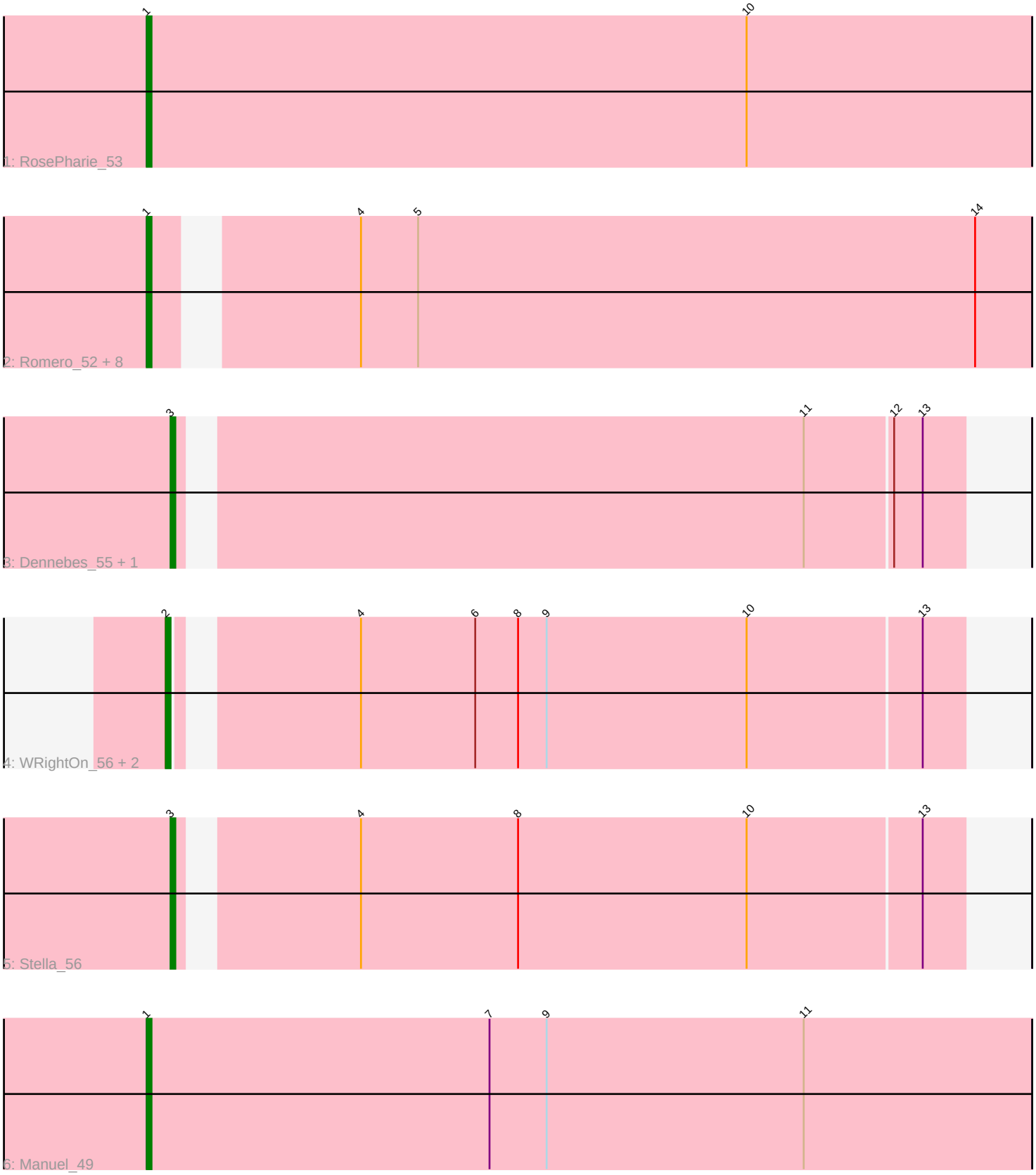
Pham 36165


1
10
1: RosePharie_53
1
4
5
14
2: Romero_52 + 8
3
11
12
13
3: Dennebes_55 + 1
2
4
6
8
9
10
13
4: WRightOn_56 + 2
3
4
8
10
13
5: Stella_56
1
7
9
11
6: Manuel_49

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 36165 Report

This analysis was run 04/05/24 on database version 557.

Pham number 36165 has 17 members, 1 are drafts.

Phages represented in each track:
• Track 1 : RosePharie_53
• Track 2 : Romero_52, Percastrophe_52, Immanuel3_51, Treat_52, Olicious_52, JPandJE_53, HaugeAnator_52, ZooBear_52, ToriToki_52
• Track 3 : Dennebes_55, Rideau_56
• Track 4 : WRightOn_56, Zeigle_52, Kumquat_52
• Track 5 : Stella_56
• Track 6 : Manuel_49

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 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HaugeAnator_52, Immanuel3_51, JPandJE_53, Manuel_49, Olicious_52, Percastrophe_52, Romero_52, RosePharie_53, ToriToki_52, Treat_52, ZooBear_52,

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

Genes that do not have the "Most Annotated" start:
• Dennebes_55, Kumquat_52, Rideau_56, Stella_56, WRightOn_56, Zeigle_52,

Summary by start number:

Start 1:
• Found in 11 of 17 (64.7%) of genes in pham
• Manual Annotations of this start: 11 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HaugeAnator_52 (BF), Immanuel3_51 (BF), JPandJE_53 (BF), Manuel_49 (BF), Olicious_52 (BF), Percastrophe_52 (BF), Romero_52 (BF), RosePharie_53 (BF), ToriToki_52 (BF), Treat_52 (BF), ZooBear_52 (BF),

Start 2:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumquat_52 (BF), WRightOn_56 (BF), Zeigle_52 (BF),

Start 3:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dennebes_55 (BF), Rideau_56 (BF), Stella_56 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 1 was manually annotated 11 times for cluster BF.
•Start number 2 was manually annotated 3 times for cluster BF.
•Start number 3 was manually annotated 2 times for cluster BF.

Gene Information:

Gene: Dennebes_55 Start: 28788, Stop: 28630, Start Num: 3
Candidate Starts for Dennebes_55:
(Start: 3 @28788 has 2 MA's), (11, 28662), (12, 28644), (13, 28638),

Gene: HaugeAnator_52 Start: 28796, Stop: 28620, Start Num: 1
Candidate Starts for HaugeAnator_52:
(Start: 1 @28796 has 11 MA's), (4, 28760), (5, 28748), (14, 28631),

Gene: Immanuel3_51 Start: 28799, Stop: 28623, Start Num: 1
Candidate Starts for Immanuel3_51:
(Start: 1 @28799 has 11 MA's), (4, 28763), (5, 28751), (14, 28634),

Gene: JPandJE_53 Start: 29264, Stop: 29088, Start Num: 1
Candidate Starts for JPandJE_53:
(Start: 1 @29264 has 11 MA's), (4, 29228), (5, 29216), (14, 29099),

Gene: Kumquat_52 Start: 28822, Stop: 28664, Start Num: 2
Candidate Starts for Kumquat_52:
(Start: 2 @28822 has 3 MA's), (4, 28789), (6, 28765), (8, 28756), (9, 28750), (10, 28708), (13, 28672),

Gene: Manuel_49 Start: 28522, Stop: 28337, Start Num: 1
Candidate Starts for Manuel_49:
(Start: 1 @28522 has 11 MA's), (7, 28450), (9, 28438), (11, 28384),

Gene: Olicious_52 Start: 28796, Stop: 28620, Start Num: 1
Candidate Starts for Olicious_52:

(Start: 1 @28796 has 11 MA's), (4, 28760), (5, 28748), (14, 28631),

Gene: Percastrophe_52 Start: 28730, Stop: 28554, Start Num: 1
Candidate Starts for Percastrophe_52:
(Start: 1 @28730 has 11 MA's), (4, 28694), (5, 28682), (14, 28565),

Gene: Rideau_56 Start: 28788, Stop: 28630, Start Num: 3
Candidate Starts for Rideau_56:
(Start: 3 @28788 has 2 MA's), (11, 28662), (12, 28644), (13, 28638),

Gene: Romero_52 Start: 28789, Stop: 28613, Start Num: 1
Candidate Starts for Romero_52:
(Start: 1 @28789 has 11 MA's), (4, 28753), (5, 28741), (14, 28624),

Gene: RosePharie_53 Start: 29127, Stop: 28942, Start Num: 1
Candidate Starts for RosePharie_53:
(Start: 1 @29127 has 11 MA's), (10, 29001),

Gene: Stella_56 Start: 29521, Stop: 29363, Start Num: 3
Candidate Starts for Stella_56:
(Start: 3 @29521 has 2 MA's), (4, 29488), (8, 29455), (10, 29407), (13, 29371),

Gene: ToriToki_52 Start: 28792, Stop: 28616, Start Num: 1
Candidate Starts for ToriToki_52:
(Start: 1 @28792 has 11 MA's), (4, 28756), (5, 28744), (14, 28627),

Gene: Treat_52 Start: 28733, Stop: 28557, Start Num: 1
Candidate Starts for Treat_52:
(Start: 1 @28733 has 11 MA's), (4, 28697), (5, 28685), (14, 28568),

Gene: WRightOn_56 Start: 28978, Stop: 28820, Start Num: 2
Candidate Starts for WRightOn_56:
(Start: 2 @28978 has 3 MA's), (4, 28945), (6, 28921), (8, 28912), (9, 28906), (10, 28864), (13, 28828),

Gene: Zeigle_52 Start: 28822, Stop: 28664, Start Num: 2
Candidate Starts for Zeigle_52:
(Start: 2 @28822 has 3 MA's), (4, 28789), (6, 28765), (8, 28756), (9, 28750), (10, 28708), (13, 28672),

Gene: ZooBear_52 Start: 28796, Stop: 28620, Start Num: 1
Candidate Starts for ZooBear_52:
(Start: 1 @28796 has 11 MA's), (4, 28760), (5, 28748), (14, 28631),