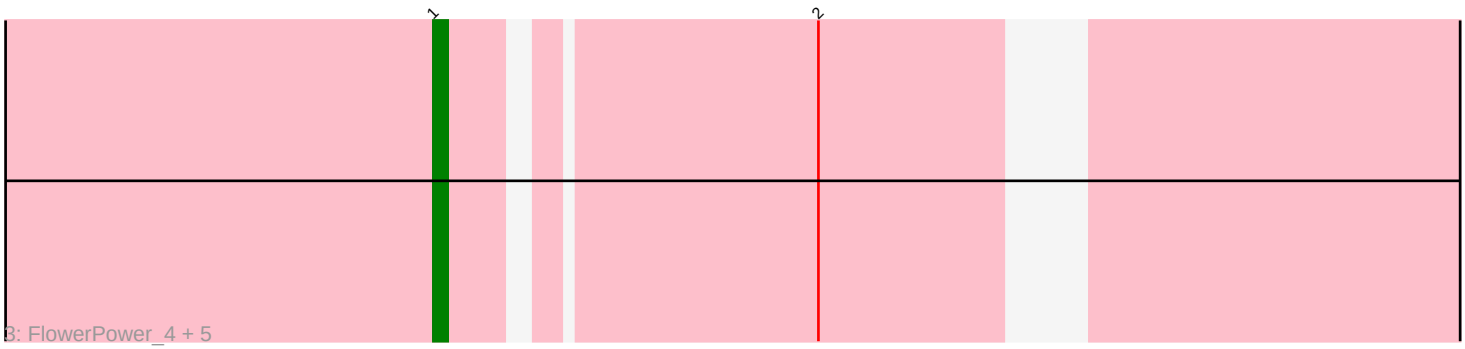
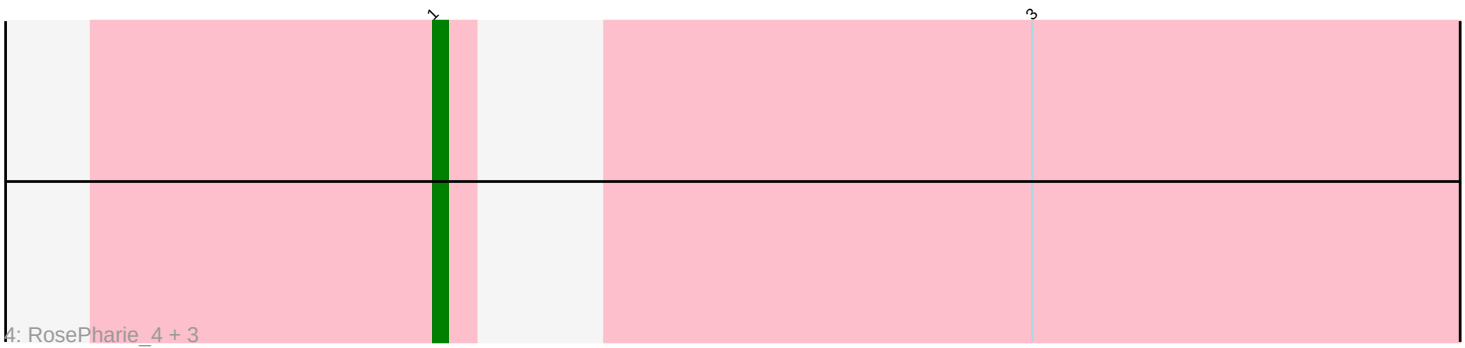
Pham 306809


1
1: Rideau_5 + 4


1
3
2: Treat_4 + 8


1
2
3: FlowerPower_4 + 5


1
3
4: RosePharie_4 + 3

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 306809 Report

This analysis was run 06/27/26 on database version 652.

Pham number 306809 has 24 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Rideau_5, Kumquat_4, Zeigle_4, Dennebes_4, Stella_5
• Track 2 : Treat_4, JPandJE_5, Percastrophe_4, Romero_4, ToriToki_4, HaugeAnator_4, Immanuel3_4, ZooBear_4, Olicious_4
• Track 3 : FlowerPower_4, Gremlin23_4, Geostin_4, Fabian_4, RetrieverFever_4, Vorvolakos_4
• Track 4 : RosePharie_4, WRightOn_5, Manuel_5, Destructrice_4

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_4, Destructrice_4, Fabian_4, FlowerPower_4, Geostin_4, Gremlin23_4, HaugeAnator_4, Immanuel3_4, JPandJE_5, Kumquat_4, Manuel_5, Olicious_4, Percastrophe_4, RetrieverFever_4, Rideau_5, Romero_4, RosePharie_4, Stella_5, ToriToki_4, Treat_4, Vorvolakos_4, WRightOn_5, Zeigle_4, ZooBear_4,

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 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dennebes_4 (BF), Destructrice_4 (BF), Fabian_4 (BF), FlowerPower_4 (BF), Geostin_4 (BF), Gremlin23_4 (BF), HaugeAnator_4 (BF), Immanuel3_4 (BF), JPandJE_5 (BF), Kumquat_4 (BF), Manuel_5 (BF), Olicious_4 (BF), Percastrophe_4 (BF), RetrieverFever_4 (BF),

Rideau_5 (BF), Romero_4 (BF), RosePharie_4 (BF), Stella_5 (BF), ToriToki_4 (BF), Treat_4 (BF), Vorvolakos_4 (BF), WRightOn_5 (BF), Zeigle_4 (BF), ZooBear_4 (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 23 times for cluster BF.

Gene Information:

Gene: Dennebes_4 Start: 5358, Stop: 5516, Start Num: 1
Candidate Starts for Dennebes_4:
(Start: 1 @5358 has 23 MA's),

Gene: Destructrice_4 Start: 5236, Stop: 5391, Start Num: 1
Candidate Starts for Destructrice_4:
(Start: 1 @5236 has 23 MA's), (3, 5269),

Gene: Fabian_4 Start: 5204, Stop: 5362, Start Num: 1
Candidate Starts for Fabian_4:
(Start: 1 @5204 has 23 MA's), (2, 5228),

Gene: FlowerPower_4 Start: 5204, Stop: 5362, Start Num: 1
Candidate Starts for FlowerPower_4:
(Start: 1 @5204 has 23 MA's), (2, 5228),

Gene: Geostin_4 Start: 5204, Stop: 5362, Start Num: 1
Candidate Starts for Geostin_4:
(Start: 1 @5204 has 23 MA's), (2, 5228),

Gene: Gremlin23_4 Start: 5204, Stop: 5362, Start Num: 1
Candidate Starts for Gremlin23_4:
(Start: 1 @5204 has 23 MA's), (2, 5228),

Gene: HaugeAnator_4 Start: 5248, Stop: 5403, Start Num: 1
Candidate Starts for HaugeAnator_4:
(Start: 1 @5248 has 23 MA's), (3, 5281),

Gene: Immanuel3_4 Start: 5252, Stop: 5407, Start Num: 1
Candidate Starts for Immanuel3_4:
(Start: 1 @5252 has 23 MA's), (3, 5285),

Gene: JPandJE_5 Start: 5608, Stop: 5763, Start Num: 1
Candidate Starts for JPandJE_5:
(Start: 1 @5608 has 23 MA's), (3, 5641),

Gene: Kumquat_4 Start: 5232, Stop: 5390, Start Num: 1
Candidate Starts for Kumquat_4:
(Start: 1 @5232 has 23 MA's),

Gene: Manuel_5 Start: 5647, Stop: 5802, Start Num: 1
Candidate Starts for Manuel_5:
(Start: 1 @5647 has 23 MA's), (3, 5680),

Gene: Olicious_4 Start: 5248, Stop: 5403, Start Num: 1
Candidate Starts for Olicious_4:
(Start: 1 @5248 has 23 MA's), (3, 5281),

Gene: Percastrophe_4 Start: 5241, Stop: 5396, Start Num: 1
Candidate Starts for Percastrophe_4:
(Start: 1 @5241 has 23 MA's), (3, 5274),

Gene: RetrieverFever_4 Start: 5204, Stop: 5362, Start Num: 1
Candidate Starts for RetrieverFever_4:
(Start: 1 @5204 has 23 MA's), (2, 5228),

Gene: Rideau_5 Start: 5358, Stop: 5516, Start Num: 1
Candidate Starts for Rideau_5:
(Start: 1 @5358 has 23 MA's),

Gene: Romero_4 Start: 5241, Stop: 5396, Start Num: 1
Candidate Starts for Romero_4:
(Start: 1 @5241 has 23 MA's), (3, 5274),

Gene: RosePharie_4 Start: 5362, Stop: 5517, Start Num: 1
Candidate Starts for RosePharie_4:
(Start: 1 @5362 has 23 MA's), (3, 5395),

Gene: Stella_5 Start: 5216, Stop: 5371, Start Num: 1
Candidate Starts for Stella_5:
(Start: 1 @5216 has 23 MA's),

Gene: ToriToki_4 Start: 5241, Stop: 5396, Start Num: 1
Candidate Starts for ToriToki_4:
(Start: 1 @5241 has 23 MA's), (3, 5274),

Gene: Treat_4 Start: 5241, Stop: 5396, Start Num: 1
Candidate Starts for Treat_4:
(Start: 1 @5241 has 23 MA's), (3, 5274),

Gene: Vorvolakos_4 Start: 5203, Stop: 5361, Start Num: 1
Candidate Starts for Vorvolakos_4:
(Start: 1 @5203 has 23 MA's), (2, 5227),

Gene: WRightOn_5 Start: 5588, Stop: 5743, Start Num: 1
Candidate Starts for WRightOn_5:
(Start: 1 @5588 has 23 MA's), (3, 5621),

Gene: Zeigle_4 Start: 5232, Stop: 5390, Start Num: 1
Candidate Starts for Zeigle_4:
(Start: 1 @5232 has 23 MA's),

Gene: ZooBear_4 Start: 5248, Stop: 5403, Start Num: 1
Candidate Starts for ZooBear_4:
(Start: 1 @5248 has 23 MA's), (3, 5281),