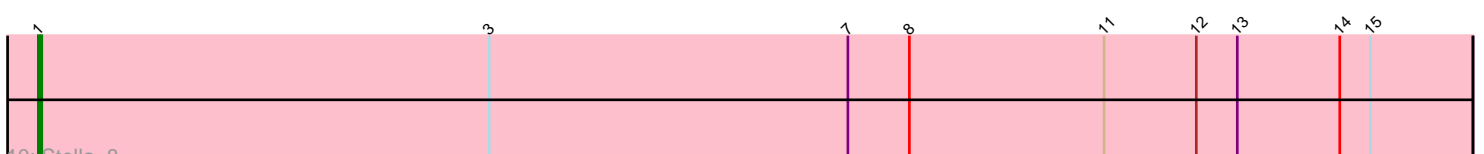
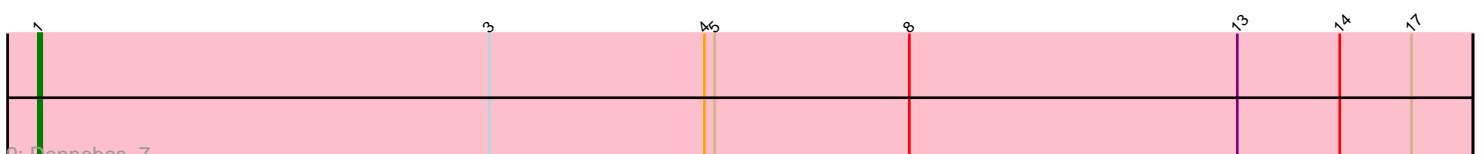
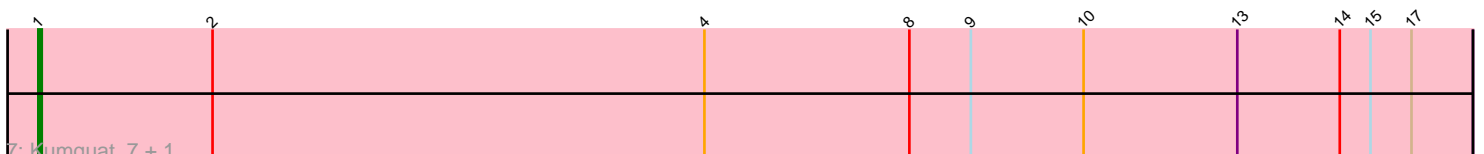
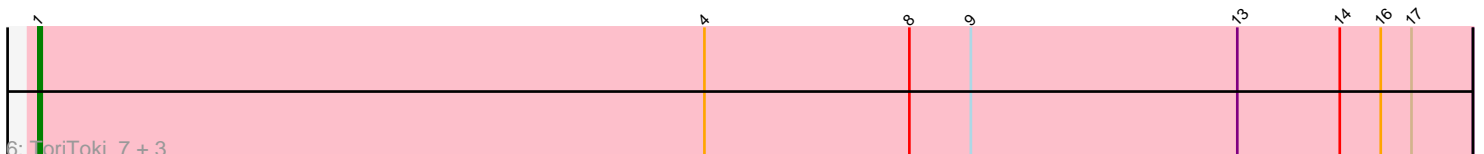
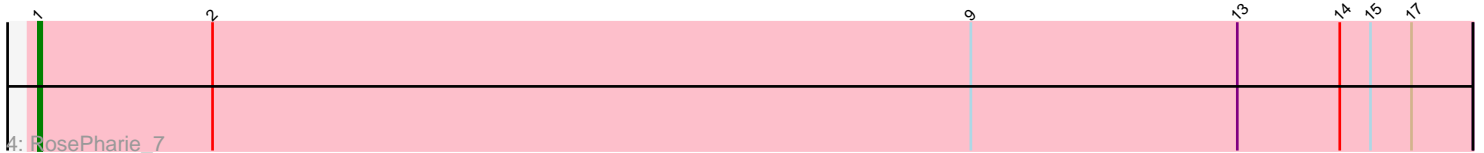
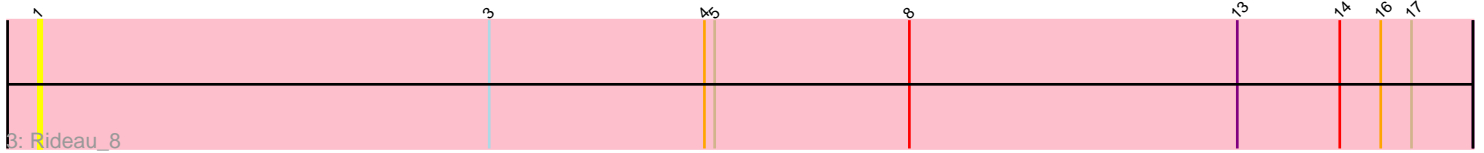
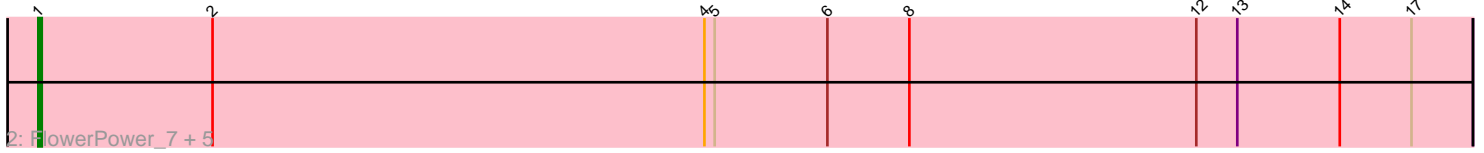


Pham 3922



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 3922 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3922 has 23 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Treat_7, JPandJE_8, HaugeAnator_7, Percastrophe_7, ZooBear_7
- Track 2 : FlowerPower_7, Gremlin23_7, Geostin_7, Fabian_7, RetrieverFever_7, Vorvolakos_7
- Track 3 : Rideau_8
- Track 4 : RosePharie_7
- Track 5 : Manuel_8
- Track 6 : ToriToki_7, Romero_7, Immanuel3_7, Olicious_7
- Track 7 : Kumquat_7, Zeigle_7
- Track 8 : WRightOn_8
- Track 9 : Dennebes_7
- Track 10 : Stella_8

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dennebes_7, Fabian_7, FlowerPower_7, Geostin_7, Gremlin23_7, HaugeAnator_7, Immanuel3_7, JPandJE_8, Kumquat_7, Manuel_8, Olicious_7, Percastrophe_7, RetrieverFever_7, Rideau_8, Romero_7, RosePharie_7, Stella_8, ToriToki_7, Treat_7, Vorvolakos_7, WRightOn_8, Zeigle_7, ZooBear_7,

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 23 of 23 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dennebes_7 (BF), Fabian_7 (BF), FlowerPower_7 (BF), Geostin_7 (BF), Gremlin23_7 (BF), HaugeAnator_7 (BF), Immanuel3_7 (BF), JPandJE_8 (BF), Kumquat_7 (BF), Manuel_8 (BF), Olicious_7 (BF), Percastrophe_7 (BF), RetrieverFever_7 (BF), Rideau_8 (BF), Romero_7 (BF), RosePharie_7 (BF), Stella_8 (BF), ToriToki_7 (BF), Treat_7 (BF), Vorvolakos_7 (BF), WRightOn_8 (BF), Zeigle_7 (BF), ZooBear_7 (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 21 times for cluster BF.

Gene Information:

Gene: Dennebes_7 Start: 5943, Stop: 6362, Start Num: 1

Candidate Starts for Dennebes_7:

(Start: 1 @5943 has 21 MA's), (3, 6075), (4, 6138), (5, 6141), (8, 6198), (13, 6294), (14, 6324), (17, 6345),

Gene: Fabian_7 Start: 5785, Stop: 6204, Start Num: 1

Candidate Starts for Fabian_7:

(Start: 1 @5785 has 21 MA's), (2, 5836), (4, 5980), (5, 5983), (6, 6016), (8, 6040), (12, 6124), (13, 6136), (14, 6166), (17, 6187),

Gene: FlowerPower_7 Start: 5785, Stop: 6204, Start Num: 1

Candidate Starts for FlowerPower_7:

(Start: 1 @5785 has 21 MA's), (2, 5836), (4, 5980), (5, 5983), (6, 6016), (8, 6040), (12, 6124), (13, 6136), (14, 6166), (17, 6187),

Gene: Geostin_7 Start: 5785, Stop: 6204, Start Num: 1

Candidate Starts for Geostin_7:

(Start: 1 @5785 has 21 MA's), (2, 5836), (4, 5980), (5, 5983), (6, 6016), (8, 6040), (12, 6124), (13, 6136), (14, 6166), (17, 6187),

Gene: Gremlin23_7 Start: 5785, Stop: 6204, Start Num: 1

Candidate Starts for Gremlin23_7:

(Start: 1 @5785 has 21 MA's), (2, 5836), (4, 5980), (5, 5983), (6, 6016), (8, 6040), (12, 6124), (13, 6136), (14, 6166), (17, 6187),

Gene: HaugeAnator_7 Start: 5849, Stop: 6268, Start Num: 1

Candidate Starts for HaugeAnator_7:

(Start: 1 @5849 has 21 MA's), (4, 6044), (8, 6104), (9, 6122), (13, 6200), (14, 6230), (17, 6251),

Gene: Immanuel3_7 Start: 5853, Stop: 6272, Start Num: 1

Candidate Starts for Immanuel3_7:

(Start: 1 @5853 has 21 MA's), (4, 6048), (8, 6108), (9, 6126), (13, 6204), (14, 6234), (16, 6246), (17, 6255),

Gene: JPandJE_8 Start: 6209, Stop: 6628, Start Num: 1
Candidate Starts for JPandJE_8:
(Start: 1 @6209 has 21 MA's), (4, 6404), (8, 6464), (9, 6482), (13, 6560), (14, 6590), (17, 6611),

Gene: Kumquat_7 Start: 5811, Stop: 6230, Start Num: 1
Candidate Starts for Kumquat_7:
(Start: 1 @5811 has 21 MA's), (2, 5862), (4, 6006), (8, 6066), (9, 6084), (10, 6117), (13, 6162), (14, 6192), (15, 6201), (17, 6213),

Gene: Manuel_8 Start: 6251, Stop: 6670, Start Num: 1
Candidate Starts for Manuel_8:
(Start: 1 @6251 has 21 MA's), (2, 6302), (9, 6524), (10, 6557), (13, 6602), (14, 6632), (15, 6641), (17, 6653),

Gene: Olicious_7 Start: 5849, Stop: 6268, Start Num: 1
Candidate Starts for Olicious_7:
(Start: 1 @5849 has 21 MA's), (4, 6044), (8, 6104), (9, 6122), (13, 6200), (14, 6230), (16, 6242), (17, 6251),

Gene: Percastrophe_7 Start: 5842, Stop: 6261, Start Num: 1
Candidate Starts for Percastrophe_7:
(Start: 1 @5842 has 21 MA's), (4, 6037), (8, 6097), (9, 6115), (13, 6193), (14, 6223), (17, 6244),

Gene: RetrieverFever_7 Start: 5785, Stop: 6204, Start Num: 1
Candidate Starts for RetrieverFever_7:
(Start: 1 @5785 has 21 MA's), (2, 5836), (4, 5980), (5, 5983), (6, 6016), (8, 6040), (12, 6124), (13, 6136), (14, 6166), (17, 6187),

Gene: Rideau_8 Start: 5943, Stop: 6362, Start Num: 1
Candidate Starts for Rideau_8:
(Start: 1 @5943 has 21 MA's), (3, 6075), (4, 6138), (5, 6141), (8, 6198), (13, 6294), (14, 6324), (16, 6336), (17, 6345),

Gene: Romero_7 Start: 5842, Stop: 6261, Start Num: 1
Candidate Starts for Romero_7:
(Start: 1 @5842 has 21 MA's), (4, 6037), (8, 6097), (9, 6115), (13, 6193), (14, 6223), (16, 6235), (17, 6244),

Gene: RosePharie_7 Start: 5966, Stop: 6385, Start Num: 1
Candidate Starts for RosePharie_7:
(Start: 1 @5966 has 21 MA's), (2, 6017), (9, 6239), (13, 6317), (14, 6347), (15, 6356), (17, 6368),

Gene: Stella_8 Start: 5793, Stop: 6212, Start Num: 1
Candidate Starts for Stella_8:
(Start: 1 @5793 has 21 MA's), (3, 5925), (7, 6030), (8, 6048), (11, 6105), (12, 6132), (13, 6144), (14, 6174), (15, 6183),

Gene: ToriToki_7 Start: 5842, Stop: 6261, Start Num: 1
Candidate Starts for ToriToki_7:
(Start: 1 @5842 has 21 MA's), (4, 6037), (8, 6097), (9, 6115), (13, 6193), (14, 6223), (16, 6235), (17, 6244),

Gene: Treat_7 Start: 5842, Stop: 6261, Start Num: 1

Candidate Starts for Treat_7:

(Start: 1 @5842 has 21 MA's), (4, 6037), (8, 6097), (9, 6115), (13, 6193), (14, 6223), (17, 6244),

Gene: Vorvolakos_7 Start: 5784, Stop: 6203, Start Num: 1

Candidate Starts for Vorvolakos_7:

(Start: 1 @5784 has 21 MA's), (2, 5835), (4, 5979), (5, 5982), (6, 6015), (8, 6039), (12, 6123), (13, 6135), (14, 6165), (17, 6186),

Gene: WRightOn_8 Start: 6192, Stop: 6611, Start Num: 1

Candidate Starts for WRightOn_8:

(Start: 1 @6192 has 21 MA's), (2, 6243), (8, 6447), (9, 6465), (10, 6498), (13, 6543), (14, 6573), (15, 6582), (17, 6594),

Gene: Zeigle_7 Start: 5811, Stop: 6230, Start Num: 1

Candidate Starts for Zeigle_7:

(Start: 1 @5811 has 21 MA's), (2, 5862), (4, 6006), (8, 6066), (9, 6084), (10, 6117), (13, 6162), (14, 6192), (15, 6201), (17, 6213),

Gene: ZooBear_7 Start: 5849, Stop: 6268, Start Num: 1

Candidate Starts for ZooBear_7:

(Start: 1 @5849 has 21 MA's), (4, 6044), (8, 6104), (9, 6122), (13, 6200), (14, 6230), (17, 6251),