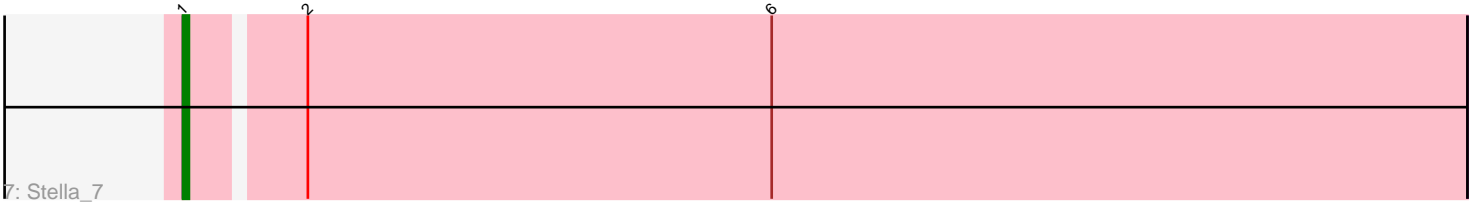
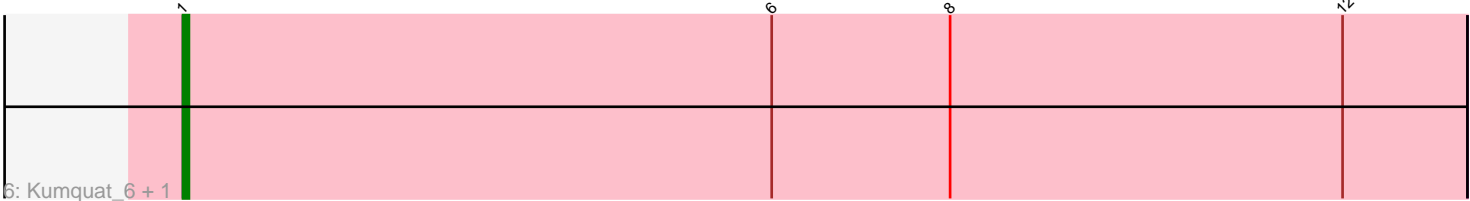
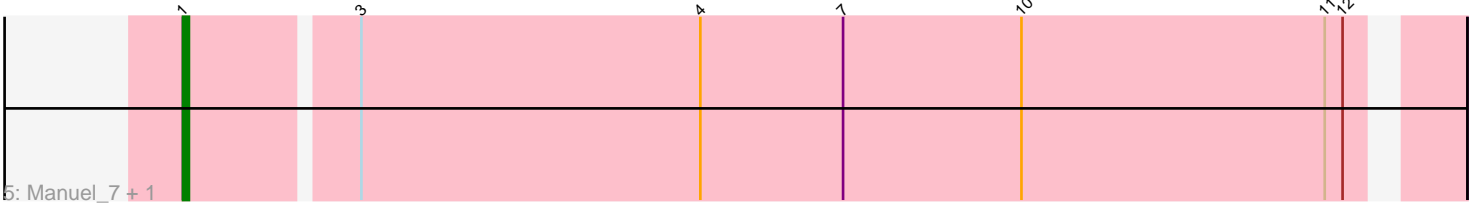
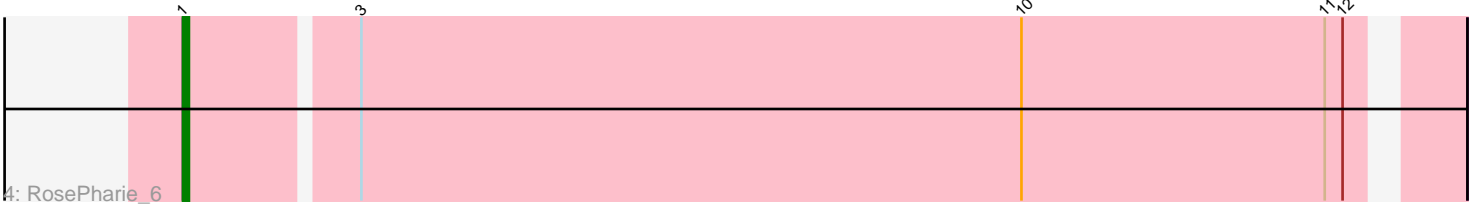
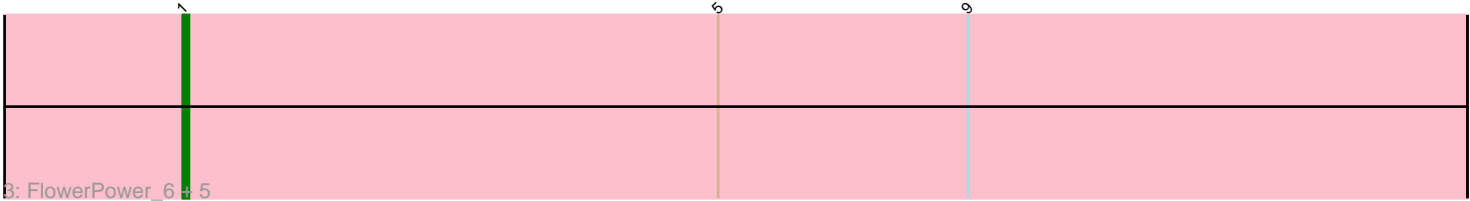
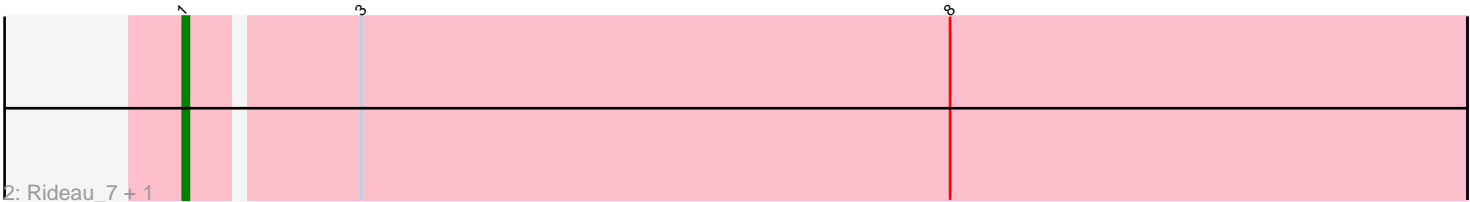


Pham 3938



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 3938 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3938 has 23 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Treat_6, JPandJE_7, Percastrophe_6, Romero_6, HaugeAnator_6, ToriToki_6, Immanuel3_6, ZooBear_6, Olacious_6
- Track 2 : Rideau_7, Dennebes_6
- Track 3 : FlowerPower_6, Gremlin23_6, Geostin_6, Fabian_6, RetrieverFever_6, Vorvolakos_6
- Track 4 : RosePharie_6
- Track 5 : Manuel_7, WRightOn_7
- Track 6 : Kumquat_6, Zeigle_6
- Track 7 : Stella_7

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_6, Fabian_6, FlowerPower_6, Geostin_6, Gremlin23_6, HaugeAnator_6, Immanuel3_6, JPandJE_7, Kumquat_6, Manuel_7, Olacious_6, Percastrophe_6, RetrieverFever_6, Rideau_7, Romero_6, RosePharie_6, Stella_7, ToriToki_6, Treat_6, Vorvolakos_6, WRightOn_7, Zeigle_6, ZooBear_6,

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_6 (BF), Fabian_6 (BF), FlowerPower_6 (BF), Geostin_6 (BF), Gremlin23_6 (BF), HaugeAnator_6 (BF), Immanuel3_6 (BF), JPandJE_7 (BF), Kumquat_6 (BF), Manuel_7 (BF), Olicious_6 (BF), Percastrophe_6 (BF), RetrieverFever_6 (BF), Rideau_7 (BF), Romero_6 (BF), RosePharie_6 (BF), Stella_7 (BF), ToriToki_6 (BF), Treat_6 (BF), Vorvolakos_6 (BF), WRightOn_7 (BF), Zeigle_6 (BF), ZooBear_6 (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_6 Start: 5738, Stop: 5950, Start Num: 1

Candidate Starts for Dennebes_6:

(Start: 1 @5738 has 21 MA's), (3, 5765), (8, 5864),

Gene: Fabian_6 Start: 5577, Stop: 5792, Start Num: 1

Candidate Starts for Fabian_6:

(Start: 1 @5577 has 21 MA's), (5, 5667), (9, 5709),

Gene: FlowerPower_6 Start: 5577, Stop: 5792, Start Num: 1

Candidate Starts for FlowerPower_6:

(Start: 1 @5577 has 21 MA's), (5, 5667), (9, 5709),

Gene: Geostin_6 Start: 5577, Stop: 5792, Start Num: 1

Candidate Starts for Geostin_6:

(Start: 1 @5577 has 21 MA's), (5, 5667), (9, 5709),

Gene: Gremlin23_6 Start: 5577, Stop: 5792, Start Num: 1

Candidate Starts for Gremlin23_6:

(Start: 1 @5577 has 21 MA's), (5, 5667), (9, 5709),

Gene: HaugeAnator_6 Start: 5653, Stop: 5856, Start Num: 1

Candidate Starts for HaugeAnator_6:

(Start: 1 @5653 has 21 MA's), (3, 5677), (7, 5758), (10, 5788), (11, 5839), (12, 5842),

Gene: Immanuel3_6 Start: 5657, Stop: 5860, Start Num: 1

Candidate Starts for Immanuel3_6:

(Start: 1 @5657 has 21 MA's), (3, 5681), (7, 5762), (10, 5792), (11, 5843), (12, 5846),

Gene: JPandJE_7 Start: 6013, Stop: 6216, Start Num: 1

Candidate Starts for JPandJE_7:

(Start: 1 @6013 has 21 MA's), (3, 6037), (7, 6118), (10, 6148), (11, 6199), (12, 6202),

Gene: Kumquat_6 Start: 5603, Stop: 5818, Start Num: 1

Candidate Starts for Kumquat_6:

(Start: 1 @5603 has 21 MA's), (6, 5702), (8, 5732), (12, 5798),

Gene: Manuel_7 Start: 6052, Stop: 6258, Start Num: 1
Candidate Starts for Manuel_7:
(Start: 1 @6052 has 21 MA's), (3, 6079), (4, 6136), (7, 6160), (10, 6190), (11, 6241), (12, 6244),

Gene: Olicious_6 Start: 5653, Stop: 5856, Start Num: 1
Candidate Starts for Olicious_6:
(Start: 1 @5653 has 21 MA's), (3, 5677), (7, 5758), (10, 5788), (11, 5839), (12, 5842),

Gene: Percastrophe_6 Start: 5646, Stop: 5849, Start Num: 1
Candidate Starts for Percastrophe_6:
(Start: 1 @5646 has 21 MA's), (3, 5670), (7, 5751), (10, 5781), (11, 5832), (12, 5835),

Gene: RetrieverFever_6 Start: 5577, Stop: 5792, Start Num: 1
Candidate Starts for RetrieverFever_6:
(Start: 1 @5577 has 21 MA's), (5, 5667), (9, 5709),

Gene: Rideau_7 Start: 5738, Stop: 5950, Start Num: 1
Candidate Starts for Rideau_7:
(Start: 1 @5738 has 21 MA's), (3, 5765), (8, 5864),

Gene: Romero_6 Start: 5646, Stop: 5849, Start Num: 1
Candidate Starts for Romero_6:
(Start: 1 @5646 has 21 MA's), (3, 5670), (7, 5751), (10, 5781), (11, 5832), (12, 5835),

Gene: RosePharie_6 Start: 5767, Stop: 5973, Start Num: 1
Candidate Starts for RosePharie_6:
(Start: 1 @5767 has 21 MA's), (3, 5794), (10, 5905), (11, 5956), (12, 5959),

Gene: Stella_7 Start: 5588, Stop: 5800, Start Num: 1
Candidate Starts for Stella_7:
(Start: 1 @5588 has 21 MA's), (2, 5606), (6, 5684),

Gene: ToriToki_6 Start: 5646, Stop: 5849, Start Num: 1
Candidate Starts for ToriToki_6:
(Start: 1 @5646 has 21 MA's), (3, 5670), (7, 5751), (10, 5781), (11, 5832), (12, 5835),

Gene: Treat_6 Start: 5646, Stop: 5849, Start Num: 1
Candidate Starts for Treat_6:
(Start: 1 @5646 has 21 MA's), (3, 5670), (7, 5751), (10, 5781), (11, 5832), (12, 5835),

Gene: Vorvolakos_6 Start: 5576, Stop: 5791, Start Num: 1
Candidate Starts for Vorvolakos_6:
(Start: 1 @5576 has 21 MA's), (5, 5666), (9, 5708),

Gene: WRightOn_7 Start: 5993, Stop: 6199, Start Num: 1
Candidate Starts for WRightOn_7:
(Start: 1 @5993 has 21 MA's), (3, 6020), (4, 6077), (7, 6101), (10, 6131), (11, 6182), (12, 6185),

Gene: Zeigle_6 Start: 5603, Stop: 5818, Start Num: 1
Candidate Starts for Zeigle_6:
(Start: 1 @5603 has 21 MA's), (6, 5702), (8, 5732), (12, 5798),

Gene: ZooBear_6 Start: 5653, Stop: 5856, Start Num: 1

Candidate Starts for ZooBear_6:

(Start: 1 @5653 has 21 MA's), (3, 5677), (7, 5758), (10, 5788), (11, 5839), (12, 5842),