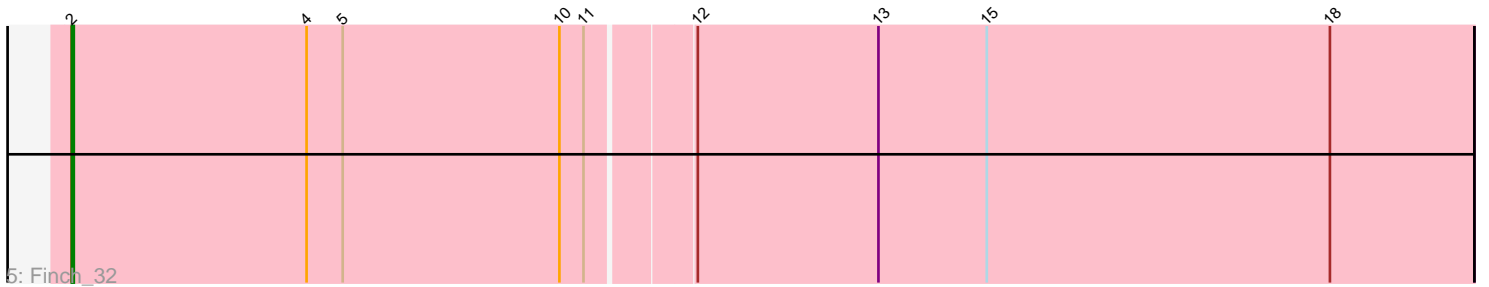
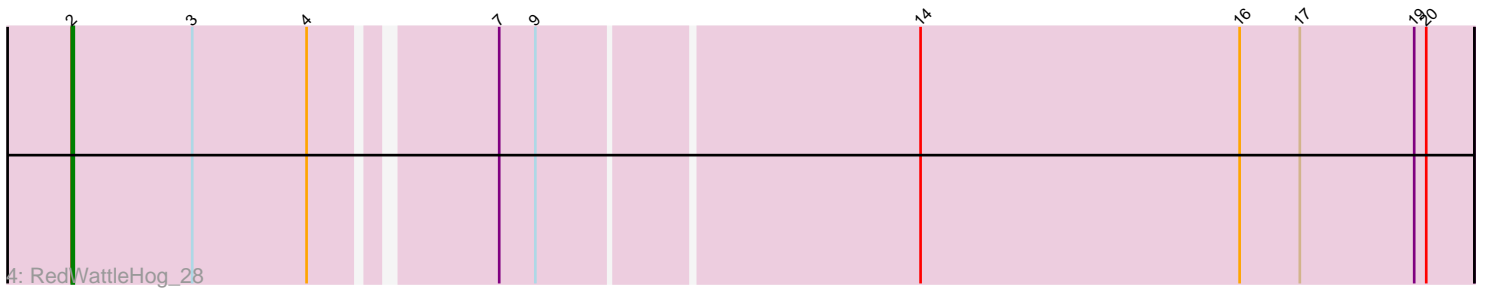
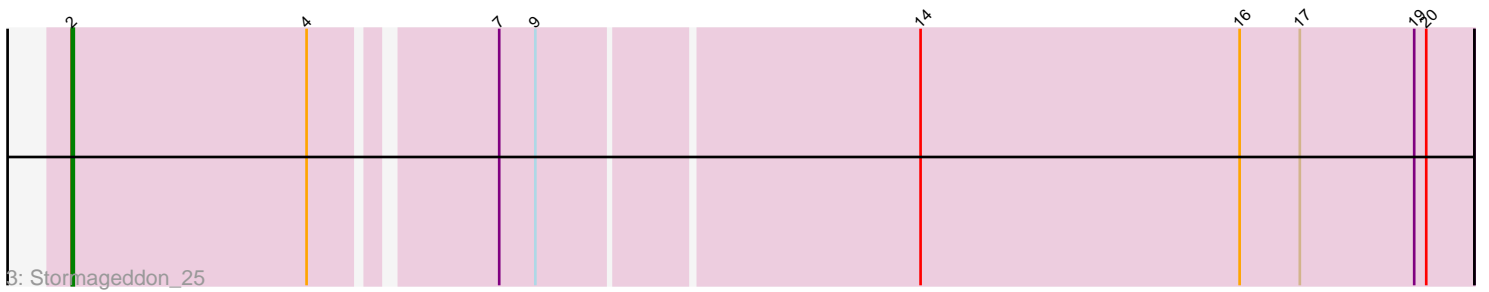


Pham 216716



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 216716 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216716 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Magel_4, Gill_4, Odesza_4, Capybara_4, Kerry_4, Gravy_4, Tanis_4, NoPickles_4, Roney_4
- Track 2 : Dancer_4
- Track 3 : Stormageddon_25
- Track 4 : RedWattleHog_28
- Track 5 : Finch_32

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

Genes that call this "Most Annotated" start:

- Capybara_4, Dancer_4, Gill_4, Gravy_4, Kerry_4, Magel_4, NoPickles_4, Odesza_4, Roney_4, Tanis_4,

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

-

Genes that do not have the "Most Annotated" start:

- Finch_32, RedWattleHog_28, Stormageddon_25,

Summary by start number:

Start 1:

- Found in 10 of 13 (76.9%) of genes in pham
- Manual Annotations of this start: 8 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Capybara_4 (DJ), Dancer_4 (DJ), Gill_4 (DJ), Gravy_4 (DJ), Kerry_4 (DJ), Magel_4 (DJ), NoPickles_4 (DJ), Odesza_4 (DJ), Roney_4 (DJ), Tanis_4 (DJ),

Start 2:

- Found in 3 of 13 (23.1%) of genes in pham

- Manual Annotations of this start: 3 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finch_32 (singleton), RedWattleHog_28 (DX), Stormageddon_25 (DX),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DJ, DX,

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 8 times for cluster DJ.

Info for manual annotations of cluster DX:

- Start number 2 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Capybara_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Capybara_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: Dancer_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Dancer_4:

(Start: 1 @1145 has 8 MA's), (6, 1346), (15, 1592), (21, 1829),

Gene: Finch_32 Start: 27174, Stop: 27863, Start Num: 2

Candidate Starts for Finch_32:

(Start: 2 @27174 has 3 MA's), (4, 27291), (5, 27309), (10, 27417), (11, 27429), (12, 27477), (13, 27567), (15, 27621), (18, 27792),

Gene: Gill_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Gill_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: Gravy_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Gravy_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: Kerry_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Kerry_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: Magel_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Magel_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: NoPickles_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for NoPickles_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: Odesza_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Odesza_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: RedWattleHog_28 Start: 28686, Stop: 29360, Start Num: 2

Candidate Starts for RedWattleHog_28:

(Start: 2 @28686 has 3 MA's), (3, 28746), (4, 28803), (7, 28884), (9, 28902), (14, 29085), (16, 29244), (17, 29274), (19, 29331), (20, 29337),

Gene: Roney_4 Start: 1145, Stop: 1834, Start Num: 1

Candidate Starts for Roney_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1592),

Gene: Stormageddon_25 Start: 28669, Stop: 29343, Start Num: 2

Candidate Starts for Stormageddon_25:

(Start: 2 @28669 has 3 MA's), (4, 28786), (7, 28867), (9, 28885), (14, 29068), (16, 29227), (17, 29257), (19, 29314), (20, 29320),

Gene: Tanis_4 Start: 1145, Stop: 1684, Start Num: 1

Candidate Starts for Tanis_4:

(Start: 1 @1145 has 8 MA's), (8, 1358), (15, 1442),