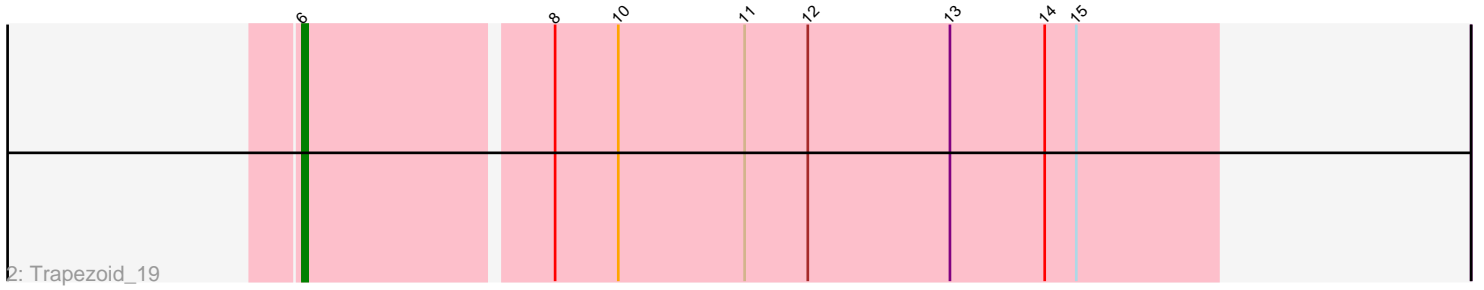
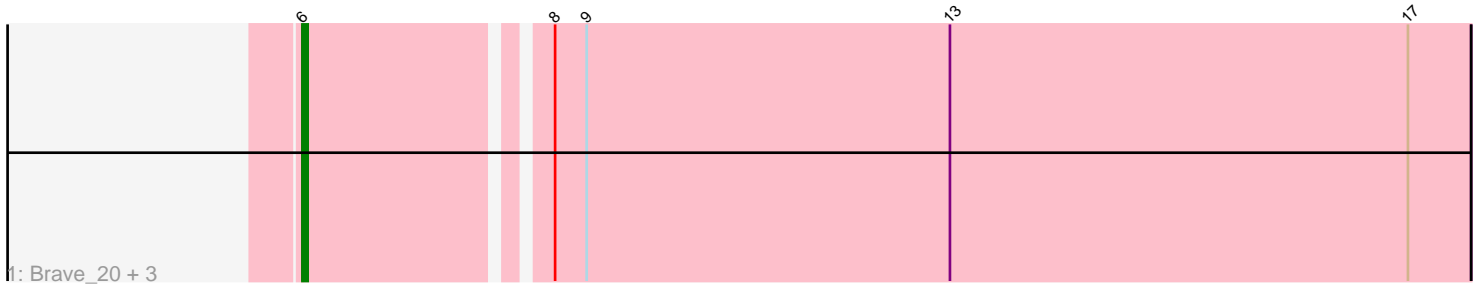


Pham 200922



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 200922 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200922 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Brave_20, Penne_20, Squall_20, Fairywren_20
- Track 2 : Trapezoid_19
- Track 3 : Mantle_20
- Track 4 : Thatch_19
- Track 5 : Transit_22

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Brave_20, Fairywren_20, Penne_20, Squall_20, Trapezoid_19,

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

-

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

- Mantle_20, Thatch_19, Transit_22,

Summary by start number:

Start 1:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thatch_19 (JC),

Start 2:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Transit_22 (JC),

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mantle_20 (JC),

Start 6:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brave_20 (JB), Fairywren_20 (JB), Penne_20 (JB), Squall_20 (JB), Trapezoid_19 (JB),

Summary by clusters:

There are 2 clusters represented in this pham: JB, JC,

Info for manual annotations of cluster JB:

- Start number 6 was manually annotated 5 times for cluster JB.

Info for manual annotations of cluster JC:

- Start number 1 was manually annotated 1 time for cluster JC.
- Start number 2 was manually annotated 1 time for cluster JC.
- Start number 5 was manually annotated 1 time for cluster JC.

Gene Information:

Gene: Brave_20 Start: 16773, Stop: 16988, Start Num: 6

Candidate Starts for Brave_20:

(Start: 6 @16773 has 5 MA's), (8, 16815), (9, 16821), (13, 16890), (17, 16977),

Gene: Fairywren_20 Start: 16721, Stop: 16936, Start Num: 6

Candidate Starts for Fairywren_20:

(Start: 6 @16721 has 5 MA's), (8, 16763), (9, 16769), (13, 16838), (17, 16925),

Gene: Mantle_20 Start: 18184, Stop: 18396, Start Num: 5

Candidate Starts for Mantle_20:

(Start: 5 @18184 has 1 MA's), (8, 18232), (13, 18307), (14, 18325), (16, 18352),

Gene: Penne_20 Start: 16773, Stop: 16988, Start Num: 6

Candidate Starts for Penne_20:

(Start: 6 @16773 has 5 MA's), (8, 16815), (9, 16821), (13, 16890), (17, 16977),

Gene: Squall_20 Start: 16743, Stop: 16958, Start Num: 6

Candidate Starts for Squall_20:

(Start: 6 @16743 has 5 MA's), (8, 16785), (9, 16791), (13, 16860), (17, 16947),

Gene: Thatch_19 Start: 17727, Stop: 17990, Start Num: 1

Candidate Starts for Thatch_19:

(Start: 1 @17727 has 1 MA's), (4, 17757), (8, 17826), (13, 17901), (14, 17919), (16, 17946),

Gene: Transit_22 Start: 18221, Stop: 18460, Start Num: 2

Candidate Starts for Transit_22:

(Start: 2 @18221 has 1 MA's), (3, 18233), (7, 18260), (8, 18305), (14, 18398), (16, 18425),

Gene: Trapezoid_19 Start: 16507, Stop: 16677, Start Num: 6

Candidate Starts for Trapezoid_19:

(Start: 6 @16507 has 5 MA's), (8, 16552), (10, 16564), (11, 16588), (12, 16600), (13, 16627), (14, 16645), (15, 16651),