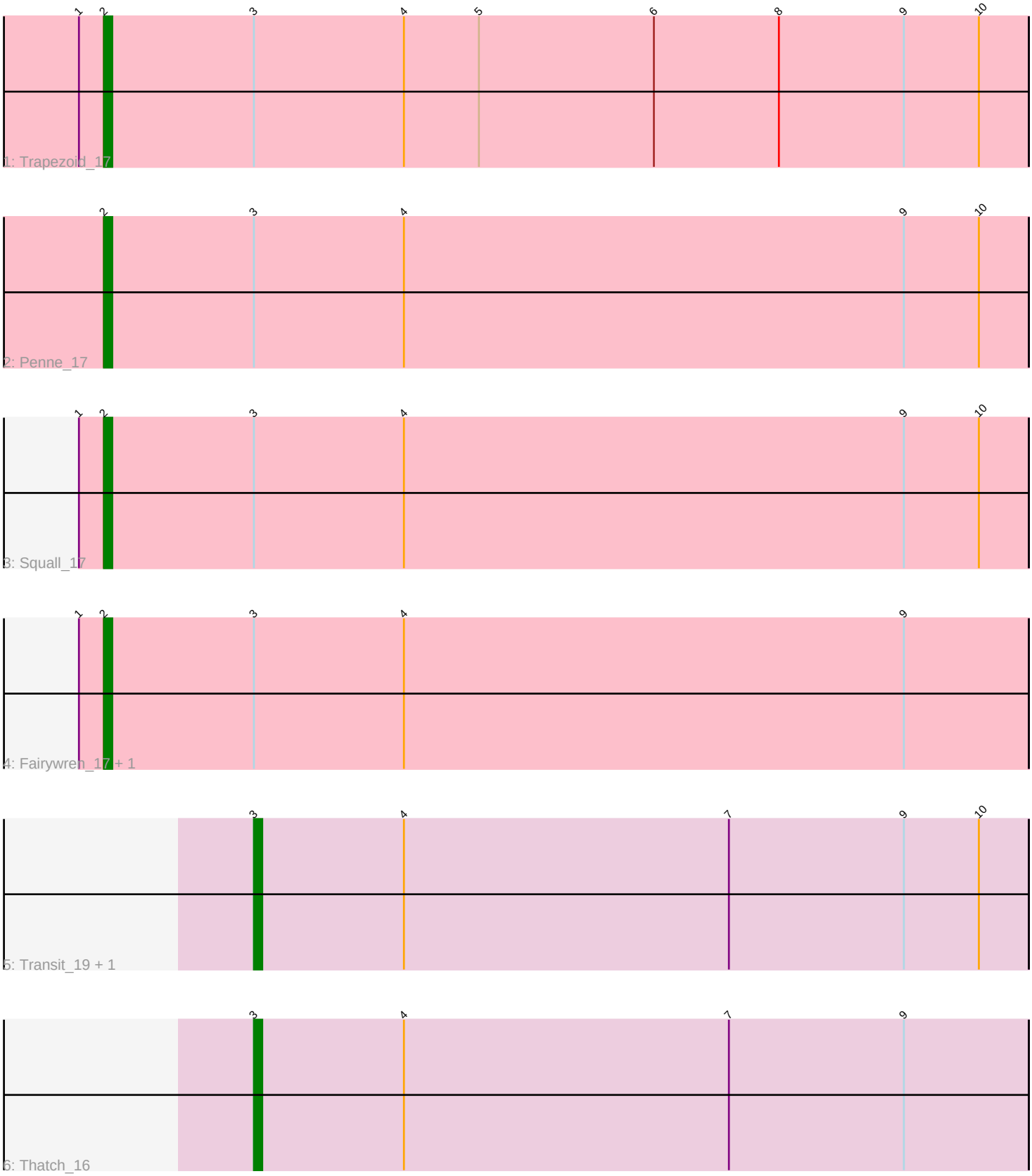
Pham 200911


1
2
3
4
5
6
8
9
10
1: Trapezoid_17
2
3
4
9
10
2: Penne_17
1
2
3
4
9
10
3: Squall_17
1
2
3
4
9
4: Fairywren_17 + 1
3
4
7
9
10
5: Transit_19 + 1
3
4
7
9
6: Thatch_16

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 200911 Report

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

Pham number 200911 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Trapezoid_17
• Track 2 : Penne_17
• Track 3 : Squall_17
• Track 4 : Fairywren_17, Brave_17
• Track 5 : Transit_19, Mantle_17
• Track 6 : Thatch_16

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Brave_17, Fairywren_17, Penne_17, Squall_17, Trapezoid_17,

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

Genes that do not have the "Most Annotated" start:
• Mantle_17, Thatch_16, Transit_19,

Summary by start number:

Start 2:
• 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_17 (JB), Fairywren_17 (JB), Penne_17 (JB), Squall_17 (JB), Trapezoid_17 (JB),

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 37.5% of time when present

• Phage (with cluster) where this start called: Mantle_17 (JC), Thatch_16 (JC), Transit_19 (JC),

Summary by clusters:

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

Info for manual annotations of cluster JB:
•Start number 2 was manually annotated 5 times for cluster JB.

Info for manual annotations of cluster JC:
•Start number 3 was manually annotated 3 times for cluster JC.

Gene Information:

Gene: Brave_17 Start: 16254, Stop: 16364, Start Num: 2
Candidate Starts for Brave_17:
(1, 16251), (Start: 2 @16254 has 5 MA's), (Start: 3 @16272 has 3 MA's), (4, 16290), (9, 16350),

Gene: Fairywren_17 Start: 16220, Stop: 16330, Start Num: 2
Candidate Starts for Fairywren_17:
(1, 16217), (Start: 2 @16220 has 5 MA's), (Start: 3 @16238 has 3 MA's), (4, 16256), (9, 16316),

Gene: Mantle_17 Start: 17713, Stop: 17805, Start Num: 3
Candidate Starts for Mantle_17:
(Start: 3 @17713 has 3 MA's), (4, 17731), (7, 17770), (9, 17791), (10, 17800),

Gene: Penne_17 Start: 16254, Stop: 16364, Start Num: 2
Candidate Starts for Penne_17:
(Start: 2 @16254 has 5 MA's), (Start: 3 @16272 has 3 MA's), (4, 16290), (9, 16350), (10, 16359),

Gene: Squall_17 Start: 16224, Stop: 16334, Start Num: 2
Candidate Starts for Squall_17:
(1, 16221), (Start: 2 @16224 has 5 MA's), (Start: 3 @16242 has 3 MA's), (4, 16260), (9, 16320), (10, 16329),

Gene: Thatch_16 Start: 17257, Stop: 17349, Start Num: 3
Candidate Starts for Thatch_16:
(Start: 3 @17257 has 3 MA's), (4, 17275), (7, 17314), (9, 17335),

Gene: Transit_19 Start: 17750, Stop: 17842, Start Num: 3
Candidate Starts for Transit_19:
(Start: 3 @17750 has 3 MA's), (4, 17768), (7, 17807), (9, 17828), (10, 17837),

Gene: Trapezoid_17 Start: 16118, Stop: 16228, Start Num: 2
Candidate Starts for Trapezoid_17:
(1, 16115), (Start: 2 @16118 has 5 MA's), (Start: 3 @16136 has 3 MA's), (4, 16154), (5, 16163), (6, 16184), (8, 16199), (9, 16214), (10, 16223),