Pham 281083

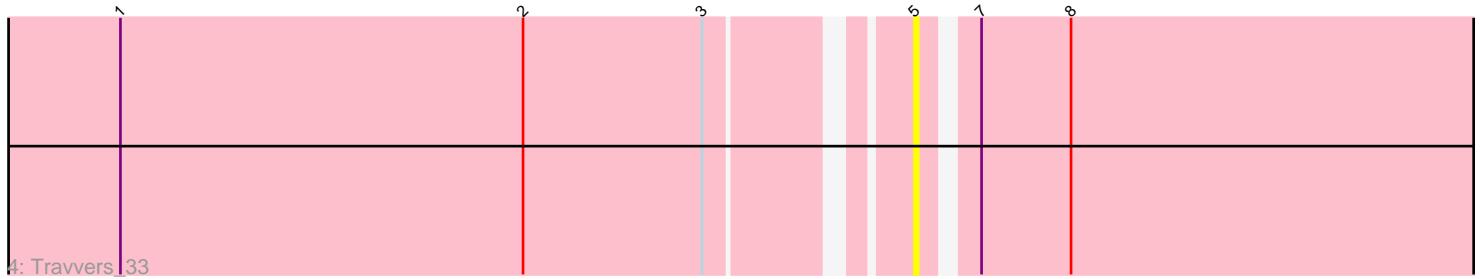1: StarStuff_33 + 2
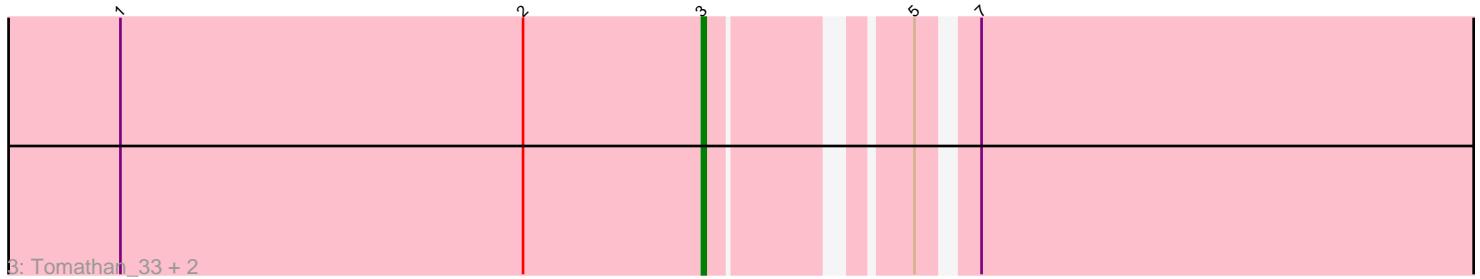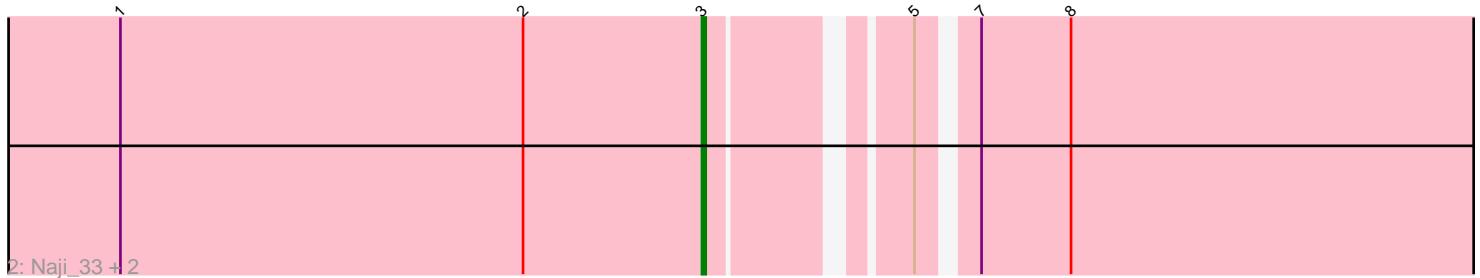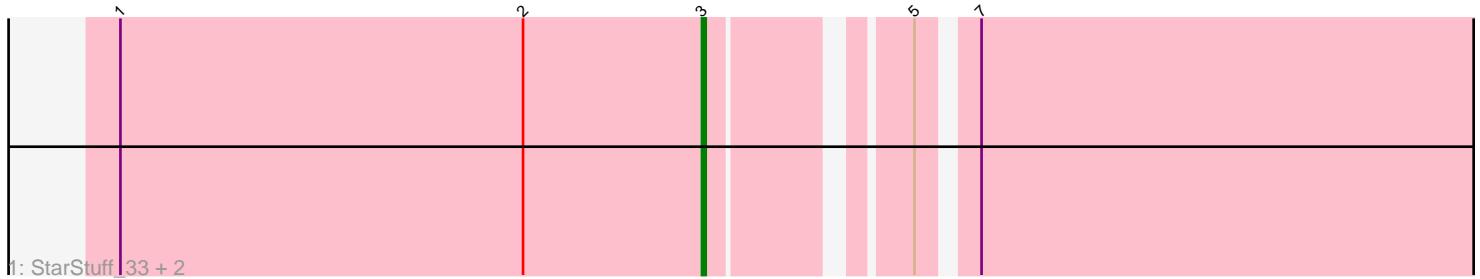
2: Naji_33 + 2

3: Tomatbam_33 + 2

4: Travvers_33

5: Anthony_29

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 281083 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281083 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : StarStuff_33, DBQu4n_33, Duplo_33
• Track 2 : Naji_33, D29_30, D32_33
• Track 3 : Tomathan_33, Kerberos_33, Pomar16_33
• Track 4 : Travvers_33
• Track 5 : Anthony_29

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• D29_30, D32_33, DBQu4n_33, Duplo_33, Kerberos_33, Naji_33, Pomar16_33, StarStuff_33, Tomathan_33,

Genes that have the "Most Annotated" start but do not call it:
• Anthony_29, Travvers_33,

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

Summary by start number:

Start 3:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 81.8% of time when present
• Phage (with cluster) where this start called: D29_30 (A2), D32_33 (A2), DBQu4n_33 (A2), Duplo_33 (A2), Kerberos_33 (A2), Naji_33 (A2), Pomar16_33 (A2), StarStuff_33 (A2), Tomathan_33 (A2),

Start 4:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anthony_29 (A20),

Start 5:
• Found in 11 of 11 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Travvers_33 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A20, A2,

Info for manual annotations of cluster A2:
•Start number 3 was manually annotated 9 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 4 was manually annotated 1 time for cluster A20.

Gene Information:

Gene: Anthony_29 Start: 20938, Stop: 21222, Start Num: 4
Candidate Starts for Anthony_29:
(Start: 3 @20935 has 9 MA's), (Start: 4 @20938 has 1 MA's), (5, 20992), (6, 21007), (9, 21112),

Gene: D29_30 Start: 22296, Stop: 22562, Start Num: 3
Candidate Starts for D29_30:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353), (8, 22377),

Gene: D32_33 Start: 22296, Stop: 22562, Start Num: 3
Candidate Starts for D32_33:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353), (8, 22377),

Gene: DBQu4n_33 Start: 22296, Stop: 22562, Start Num: 3
Candidate Starts for DBQu4n_33:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353),

Gene: Duplo_33 Start: 22334, Stop: 22600, Start Num: 3
Candidate Starts for Duplo_33:
(1, 22178), (2, 22286), (Start: 3 @22334 has 9 MA's), (5, 22379), (7, 22391),

Gene: Kerberos_33 Start: 22296, Stop: 22562, Start Num: 3
Candidate Starts for Kerberos_33:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353),

Gene: Naji_33 Start: 22296, Stop: 22562, Start Num: 3
Candidate Starts for Naji_33:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353), (8, 22377),

Gene: Pomar16_33 Start: 22337, Stop: 22603, Start Num: 3
Candidate Starts for Pomar16_33:

(1, 22181), (2, 22289), (Start: 3 @22337 has 9 MA's), (5, 22382), (7, 22394),

Gene: StarStuff_33 Start: 22296, Stop: 22562, Start Num: 3
Candidate Starts for StarStuff_33:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353),

Gene: Tomathan_33 Start: 22296, Stop: 22562, Start Num: 3
Candidate Starts for Tomathan_33:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353),

Gene: Travvers_33 Start: 22341, Stop: 22562, Start Num: 5
Candidate Starts for Travvers_33:
(1, 22140), (2, 22248), (Start: 3 @22296 has 9 MA's), (5, 22341), (7, 22353), (8, 22377),