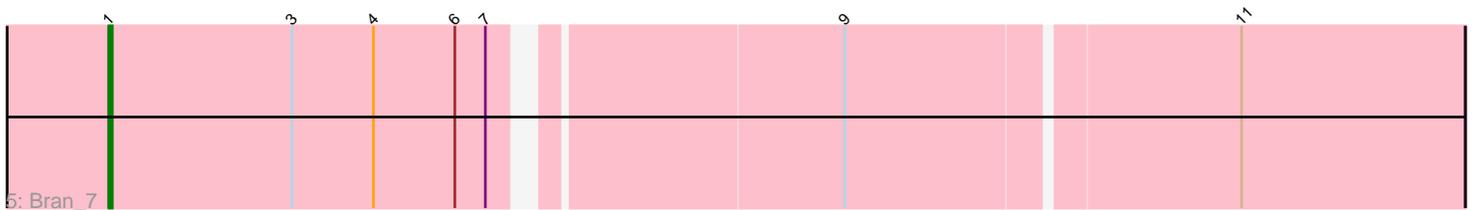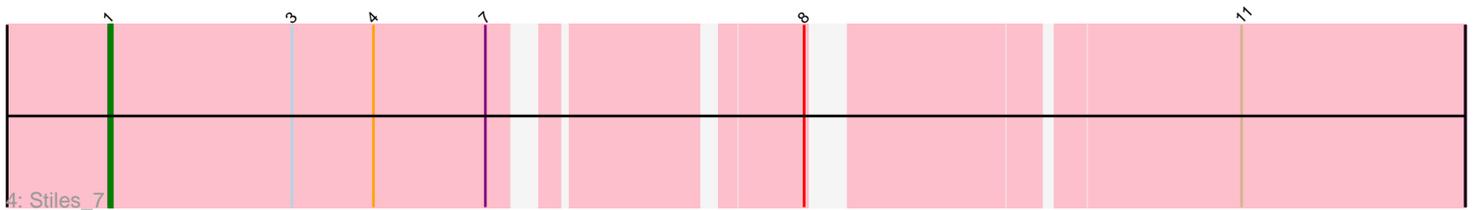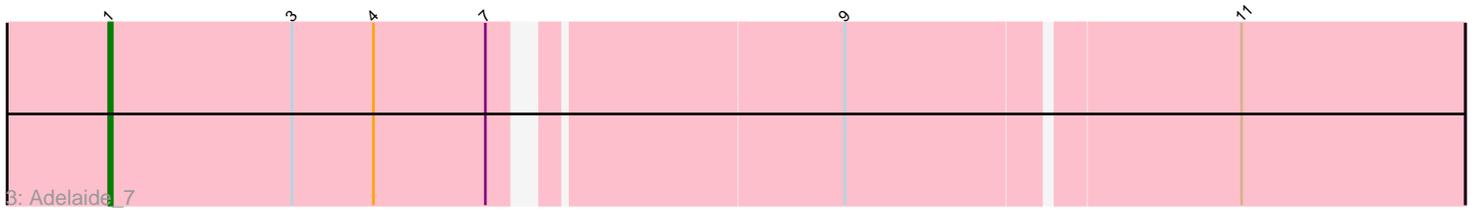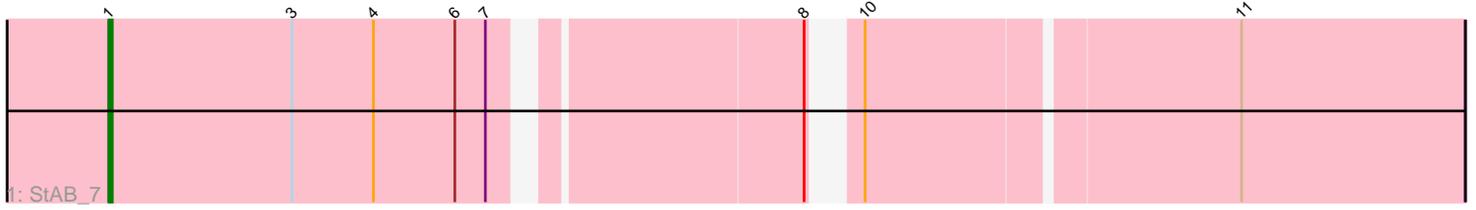# Pham 291751

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 291751 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291751 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : StAB_7
• Track 2 : Dina_7, Troy_7, Lederberg_7, SamW_7
• Track 3 : Adelaide_7
• Track 4 : Stiles_7
• Track 5 : Bran_7
• Track 6 : Gallop_8
• Track 7 : Spartan_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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adelaide_7, Bran_7, Dina_7, Gallop_8, Lederberg_7, SamW_7, Spartan_7, StAB_7, Stiles_7, Troy_7,

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 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adelaide_7 (EP), Bran_7 (EP), Dina_7 (EP), Gallop_8 (ES), Lederberg_7 (EP), SamW_7 (EP), Spartan_7 (ES), StAB_7 (EP), Stiles_7 (EP), Troy_7 (EP),

Summary by clusters:

There are 2 clusters represented in this pham: EP, ES,

Info for manual annotations of cluster EP:
•Start number 1 was manually annotated 8 times for cluster EP.

Gene Information:

Gene: Adelaide_7 Start: 6050, Stop: 6430, Start Num: 1
Candidate Starts for Adelaide_7:
(Start: 1 @6050 has 8 MA's), (3, 6104), (4, 6128), (7, 6161), (9, 6254), (11, 6365),

Gene: Bran_7 Start: 6055, Stop: 6435, Start Num: 1
Candidate Starts for Bran_7:
(Start: 1 @6055 has 8 MA's), (3, 6109), (4, 6133), (6, 6157), (7, 6166), (9, 6259), (11, 6370),

Gene: Dina_7 Start: 6050, Stop: 6418, Start Num: 1
Candidate Starts for Dina_7:
(Start: 1 @6050 has 8 MA's), (3, 6104), (4, 6128), (6, 6152), (8, 6242), (10, 6248), (11, 6353),

Gene: Gallop_8 Start: 5817, Stop: 6200, Start Num: 1
Candidate Starts for Gallop_8:
(Start: 1 @5817 has 8 MA's), (2, 5829), (3, 5871), (5, 5901), (7, 5928), (12, 6183),

Gene: Lederberg_7 Start: 6050, Stop: 6418, Start Num: 1
Candidate Starts for Lederberg_7:
(Start: 1 @6050 has 8 MA's), (3, 6104), (4, 6128), (6, 6152), (8, 6242), (10, 6248), (11, 6353),

Gene: SamW_7 Start: 6050, Stop: 6418, Start Num: 1
Candidate Starts for SamW_7:
(Start: 1 @6050 has 8 MA's), (3, 6104), (4, 6128), (6, 6152), (8, 6242), (10, 6248), (11, 6353),

Gene: Spartan_7 Start: 5815, Stop: 6198, Start Num: 1
Candidate Starts for Spartan_7:
(Start: 1 @5815 has 8 MA's), (2, 5827), (3, 5869), (5, 5899), (7, 5926),

Gene: StAB_7 Start: 6055, Stop: 6423, Start Num: 1
Candidate Starts for StAB_7:
(Start: 1 @6055 has 8 MA's), (3, 6109), (4, 6133), (6, 6157), (7, 6166), (8, 6247), (10, 6253), (11, 6358),

Gene: Stiles_7 Start: 6055, Stop: 6417, Start Num: 1
Candidate Starts for Stiles_7:
(Start: 1 @6055 has 8 MA's), (3, 6109), (4, 6133), (7, 6166), (8, 6241), (11, 6352),

Gene: Troy_7 Start: 6050, Stop: 6418, Start Num: 1
Candidate Starts for Troy_7:
(Start: 1 @6050 has 8 MA's), (3, 6104), (4, 6128), (6, 6152), (8, 6242), (10, 6248), (11, 6353),