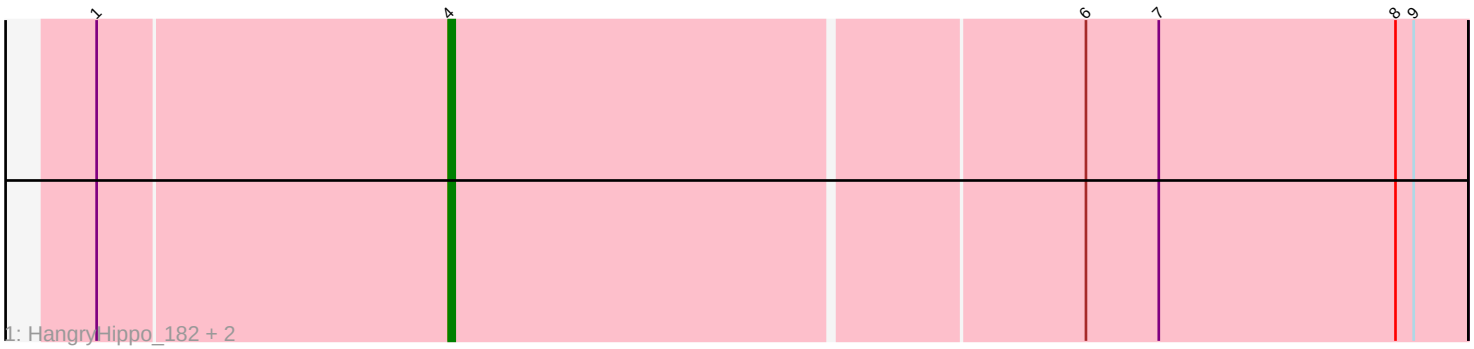
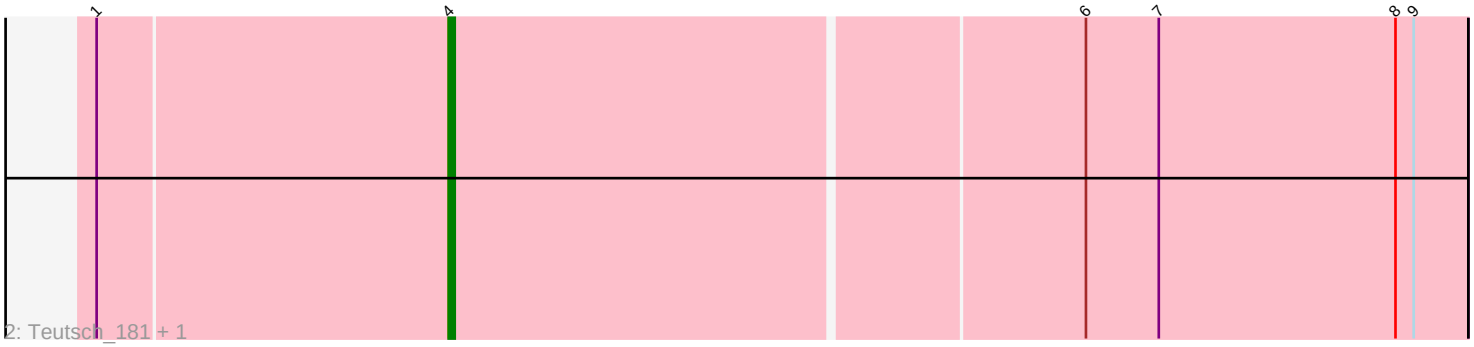
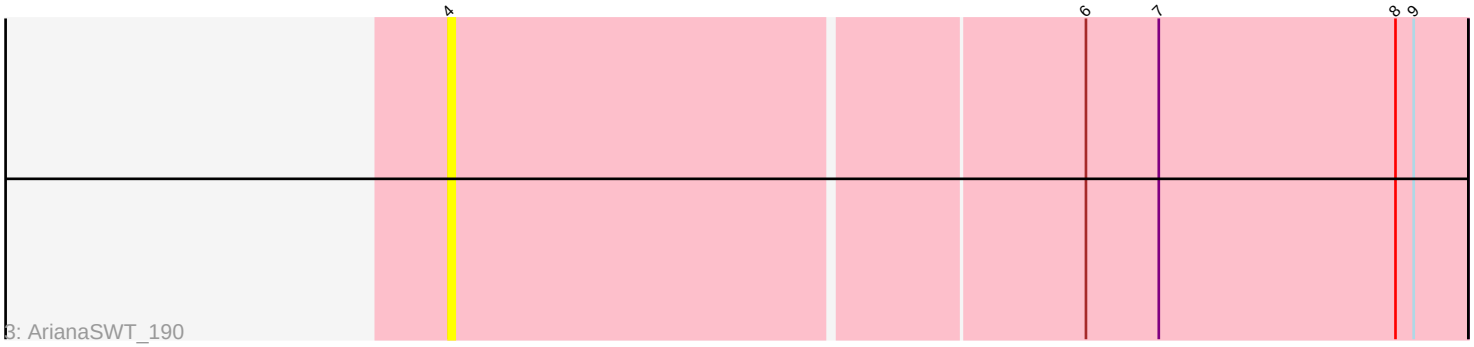
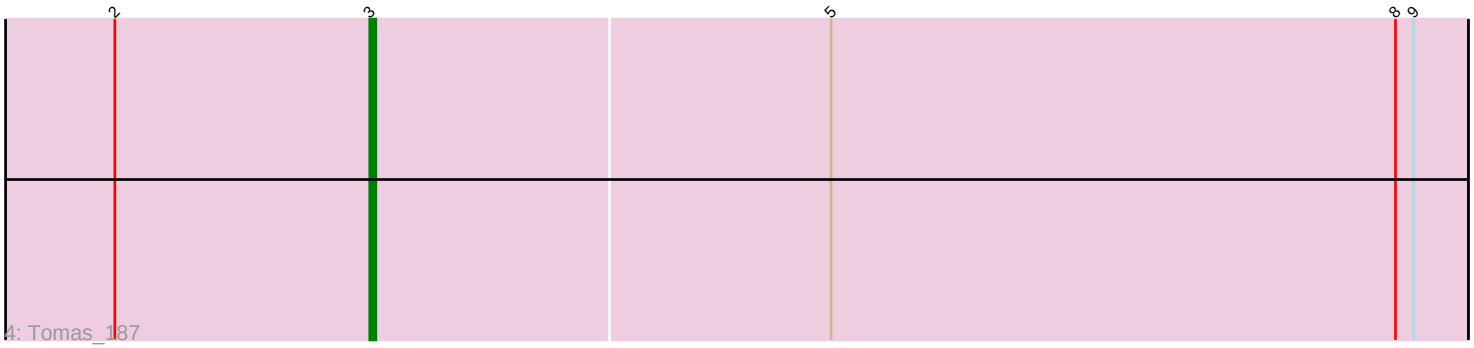
Pham 331628


1
4
6
7
8
9
1: HangryHippo_182 + 2


1
4
6
7
8
9
2: Teutsch_181 + 1


4
6
7
8
9
3: ArianaSWT_190


2
3
5
8
9
4: Tomas_187

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 331628 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331628 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : HangryHippo_182, BlueOtter_182, Watermoore_181
• Track 2 : Teutsch_181, Larnav_183
• Track 3 : ArianaSWT_190
• Track 4 : Tomas_187

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArianaSWT_190, BlueOtter_182, HangryHippo_182, Larnav_183, Teutsch_181, Watermoore_181,

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

Genes that do not have the "Most Annotated" start:
• Tomas_187,

Summary by start number:

Start 3:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tomas_187 (BE2),

Start 4:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArianaSWT_190 (BE1), BlueOtter_182 (BE1), HangryHippo_182 (BE1), Larnav_183 (BE1), Teutsch_181 (BE1),

Watermoore_181 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 4 was manually annotated 5 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 3 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: ArianaSWT_190 Start: 97248, Stop: 97412, Start Num: 4
Candidate Starts for ArianaSWT_190:
(Start: 4 @97248 has 5 MA's), (6, 97350), (7, 97362), (8, 97401), (9, 97404),

Gene: BlueOtter_182 Start: 97284, Stop: 97448, Start Num: 4
Candidate Starts for BlueOtter_182:
(1, 97227), (Start: 4 @97284 has 5 MA's), (6, 97386), (7, 97398), (8, 97437), (9, 97440),

Gene: HangryHippo_182 Start: 97284, Stop: 97448, Start Num: 4
Candidate Starts for HangryHippo_182:
(1, 97227), (Start: 4 @97284 has 5 MA's), (6, 97386), (7, 97398), (8, 97437), (9, 97440),

Gene: Larnav_183 Start: 97904, Stop: 98068, Start Num: 4
Candidate Starts for Larnav_183:
(1, 97847), (Start: 4 @97904 has 5 MA's), (6, 98006), (7, 98018), (8, 98057), (9, 98060),

Gene: Teutsch_181 Start: 98089, Stop: 98253, Start Num: 4
Candidate Starts for Teutsch_181:
(1, 98032), (Start: 4 @98089 has 5 MA's), (6, 98191), (7, 98203), (8, 98242), (9, 98245),

Gene: Tomas_187 Start: 97430, Stop: 97609, Start Num: 3
Candidate Starts for Tomas_187:
(2, 97388), (Start: 3 @97430 has 1 MA's), (5, 97505), (8, 97598), (9, 97601),

Gene: Watermoore_181 Start: 98500, Stop: 98664, Start Num: 4
Candidate Starts for Watermoore_181:
(1, 98443), (Start: 4 @98500 has 5 MA's), (6, 98602), (7, 98614), (8, 98653), (9, 98656),