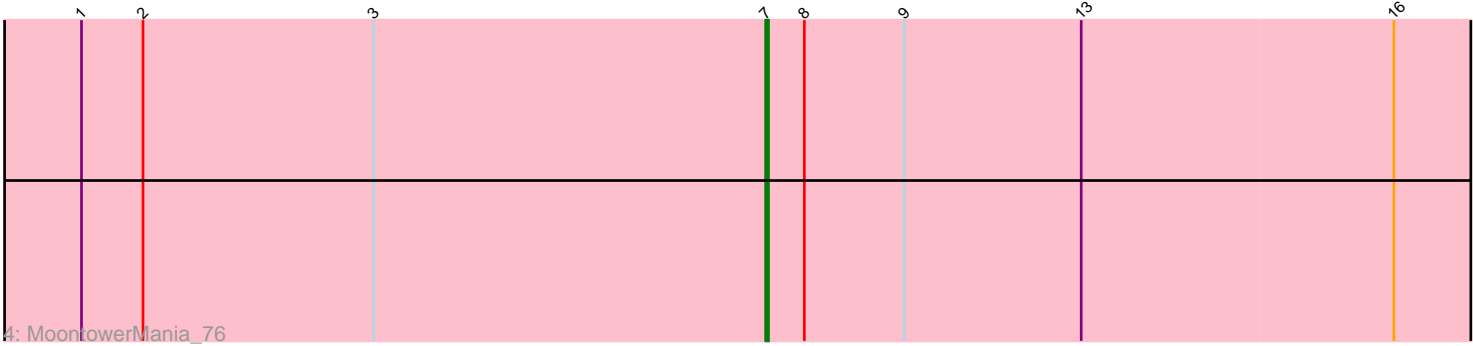
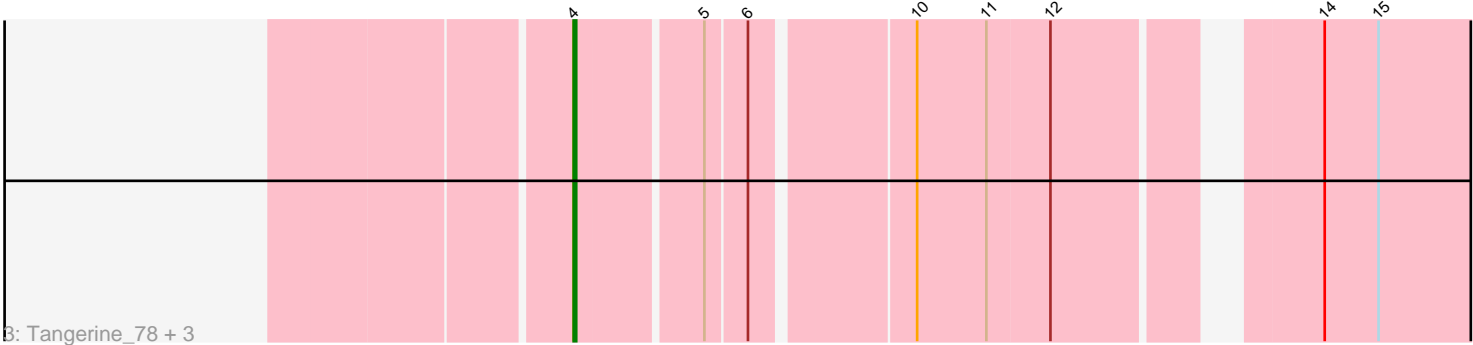
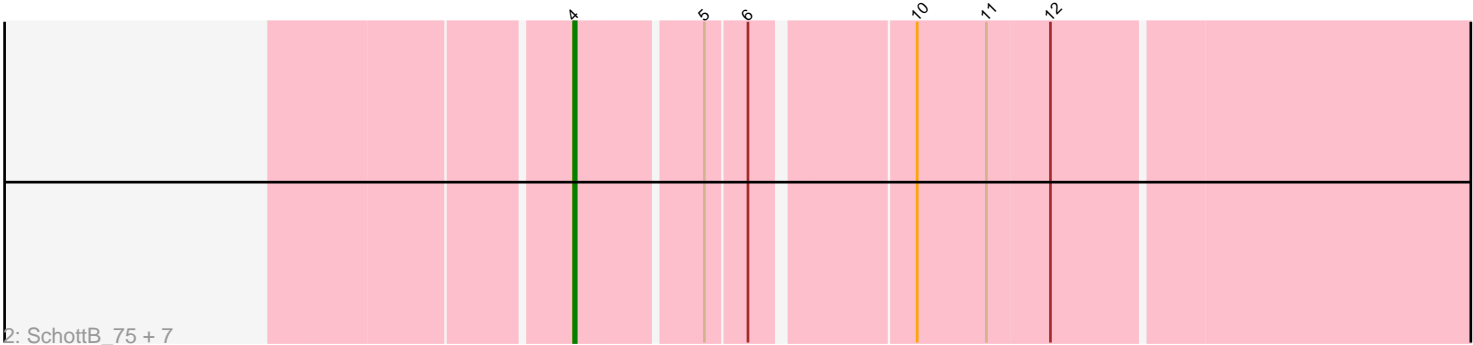
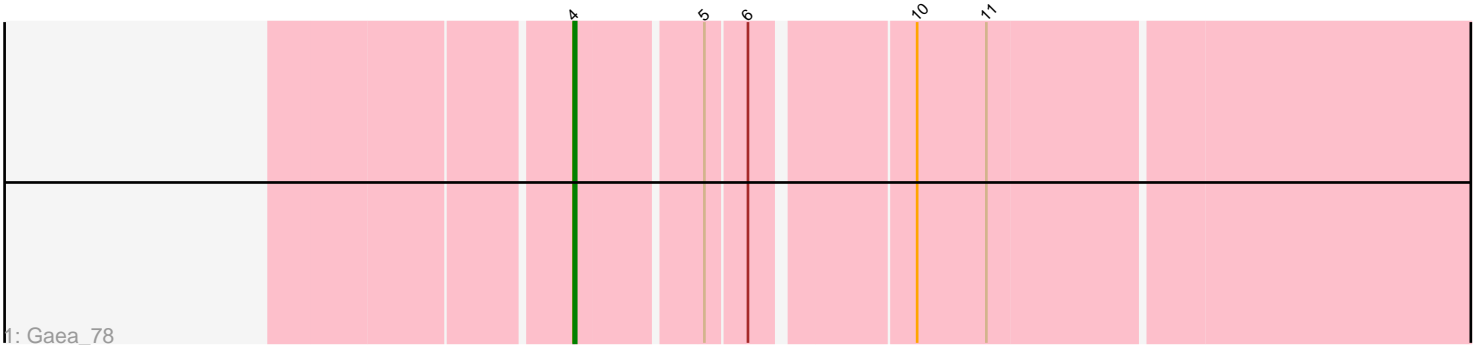


Pham 87709



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 87709 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87709 has 14 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Gaea_78
- Track 2 : SchottB_75, Flatwoods_77, Gustavo_79, Saronaya_79, Kroos_77, Baumdotcom_75, JKSyngboy_75, StorminNorm_78
- Track 3 : Tangerine_78, Ribeye_77, Tycho_76, Derg_75
- Track 4 : MoontowerMania_76

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Baumdotcom_75, Derg_75, Flatwoods_77, Gaea_78, Gustavo_79, JKSyngboy_75, Kroos_77, Ribeye_77, Saronaya_79, SchottB_75, StorminNorm_78, Tangerine_78, Tycho_76,

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

-

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

- MoontowerMania_76,

Summary by start number:

Start 4:

- Found in 13 of 14 (92.9%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Baumdotcom_75 (DE1), Derg_75 (DE1), Flatwoods_77 (DE1), Gaea_78 (DE1), Gustavo_79 (DE1), JKSyngboy_75 (DE1), Kroos_77 (DE1), Ribeye_77 (DE1), Saronaya_79 (DE1), SchottB_75 (DE1), StorminNorm_78 (DE1), Tangerine_78 (DE1), Tycho_76 (DE1),

Start 7:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MoontowerMania_76 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:

- Start number 4 was manually annotated 8 times for cluster DE1.
- Start number 7 was manually annotated 1 time for cluster DE1.

Gene Information:

Gene: Baumdotcom_75 Start: 54481, Stop: 54822, Start Num: 4

Candidate Starts for Baumdotcom_75:

(Start: 4 @54481 has 8 MA's), (5, 54526), (6, 54541), (10, 54598), (11, 54625), (12, 54649),

Gene: Derg_75 Start: 53197, Stop: 53520, Start Num: 4

Candidate Starts for Derg_75:

(Start: 4 @53197 has 8 MA's), (5, 53242), (6, 53257), (10, 53314), (11, 53341), (12, 53365), (14, 53449), (15, 53470),

Gene: Flatwoods_77 Start: 53703, Stop: 54044, Start Num: 4

Candidate Starts for Flatwoods_77:

(Start: 4 @53703 has 8 MA's), (5, 53748), (6, 53763), (10, 53820), (11, 53847), (12, 53871),

Gene: Gaea_78 Start: 54290, Stop: 54631, Start Num: 4

Candidate Starts for Gaea_78:

(Start: 4 @54290 has 8 MA's), (5, 54335), (6, 54350), (10, 54407), (11, 54434),

Gene: Gustavo_79 Start: 55275, Stop: 55616, Start Num: 4

Candidate Starts for Gustavo_79:

(Start: 4 @55275 has 8 MA's), (5, 55320), (6, 55335), (10, 55392), (11, 55419), (12, 55443),

Gene: JKSyngboy_75 Start: 55189, Stop: 55530, Start Num: 4

Candidate Starts for JKSyngboy_75:

(Start: 4 @55189 has 8 MA's), (5, 55234), (6, 55249), (10, 55306), (11, 55333), (12, 55357),

Gene: Kroos_77 Start: 54829, Stop: 55170, Start Num: 4

Candidate Starts for Kroos_77:

(Start: 4 @54829 has 8 MA's), (5, 54874), (6, 54889), (10, 54946), (11, 54973), (12, 54997),

Gene: MoontowerMania_76 Start: 56321, Stop: 56602, Start Num: 7

Candidate Starts for MoontowerMania_76:

(1, 56054), (2, 56078), (3, 56168), (Start: 7 @56321 has 1 MA's), (8, 56336), (9, 56375), (13, 56444), (16, 56564),

Gene: Ribeye_77 Start: 54436, Stop: 54759, Start Num: 4

Candidate Starts for Ribeye_77:

(Start: 4 @54436 has 8 MA's), (5, 54481), (6, 54496), (10, 54553), (11, 54580), (12, 54604), (14, 54688), (15, 54709),

Gene: Saronaya_79 Start: 55275, Stop: 55616, Start Num: 4

Candidate Starts for Saronaya_79:

(Start: 4 @55275 has 8 MA's), (5, 55320), (6, 55335), (10, 55392), (11, 55419), (12, 55443),

Gene: SchottB_75 Start: 54896, Stop: 55237, Start Num: 4

Candidate Starts for SchottB_75:

(Start: 4 @54896 has 8 MA's), (5, 54941), (6, 54956), (10, 55013), (11, 55040), (12, 55064),

Gene: StorminNorm_78 Start: 55066, Stop: 55407, Start Num: 4

Candidate Starts for StorminNorm_78:

(Start: 4 @55066 has 8 MA's), (5, 55111), (6, 55126), (10, 55183), (11, 55210), (12, 55234),

Gene: Tangerine_78 Start: 54569, Stop: 54892, Start Num: 4

Candidate Starts for Tangerine_78:

(Start: 4 @54569 has 8 MA's), (5, 54614), (6, 54629), (10, 54686), (11, 54713), (12, 54737), (14, 54821), (15, 54842),

Gene: Tycho_76 Start: 54385, Stop: 54708, Start Num: 4

Candidate Starts for Tycho_76:

(Start: 4 @54385 has 8 MA's), (5, 54430), (6, 54445), (10, 54502), (11, 54529), (12, 54553), (14, 54637), (15, 54658),