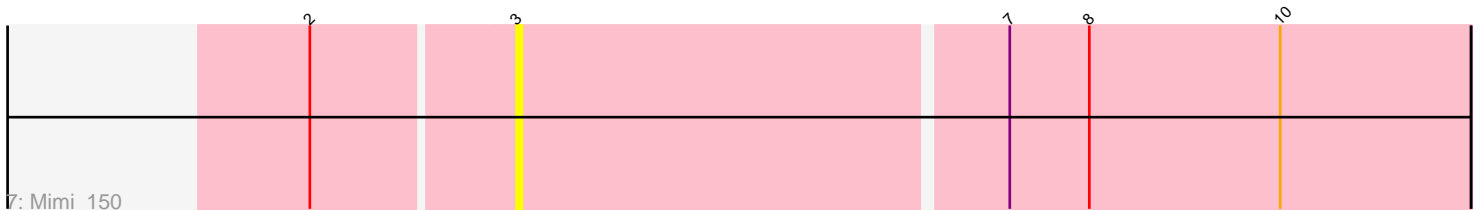
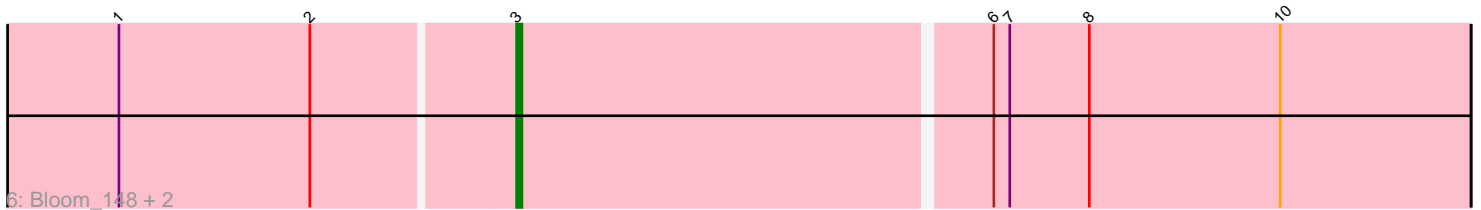
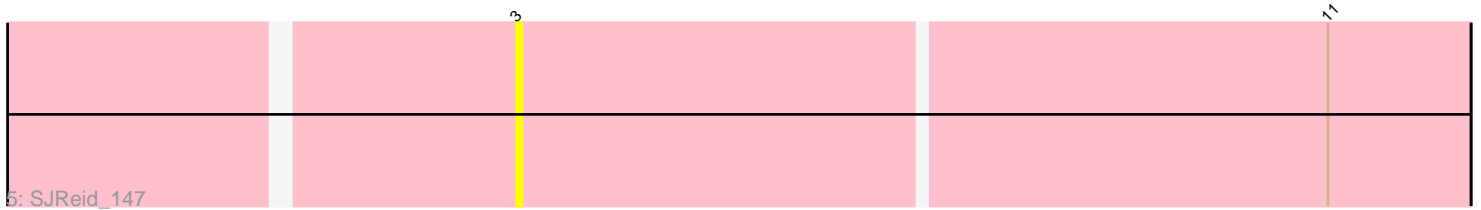
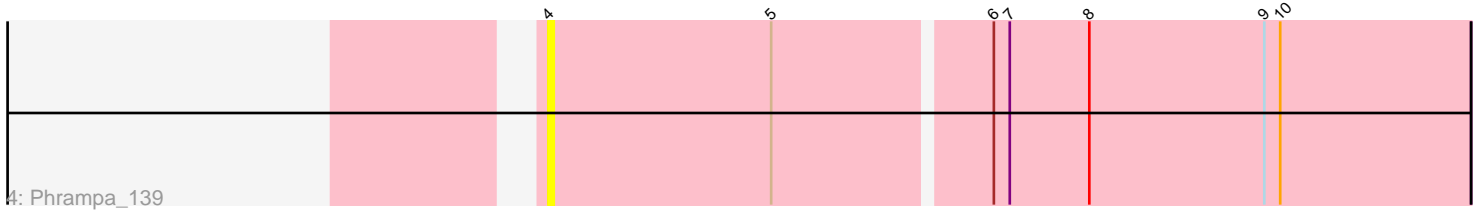
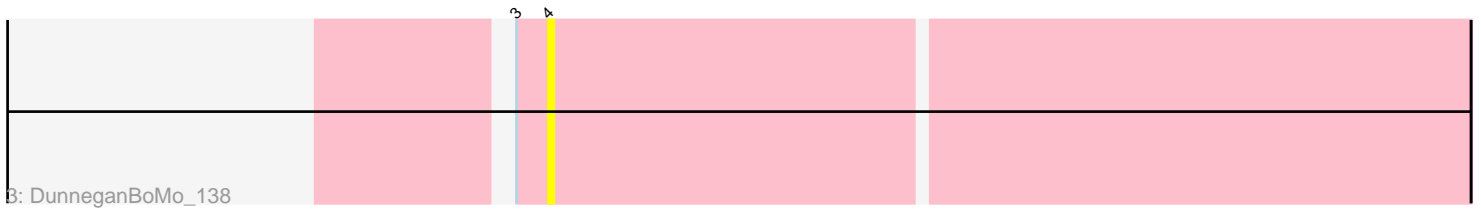
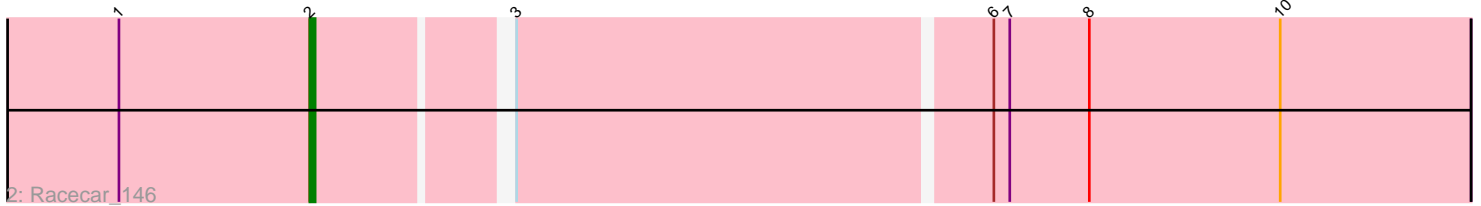
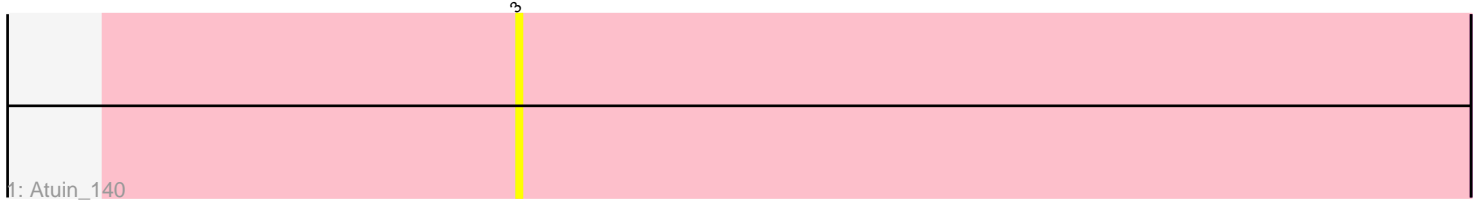


Pham 188637



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 188637 Report

This analysis was run 11/02/24 on database version 579.

Pham number 188637 has 9 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Atuin_140
- Track 2 : Racecar_146
- Track 3 : DunneganBoMo_138
- Track 4 : Phrampa_139
- Track 5 : SJReid_147
- Track 6 : Bloom_148, Talia1610_147, Patbob_144
- Track 7 : Mimi_150

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 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_140, Bloom_148, Mimi_150, Patbob_144, SJReid_147, Talia1610_147,

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

- DunneganBoMo_138, Racecar_146,

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

- Phrampa_139,

Summary by start number:

Start 2:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Racecar_146 (FC),

Start 3:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Atuin_140 (FC), Bloom_148 (FC), Mimi_150 (FC), Patbob_144 (FC), SJReid_147 (FC), Talia1610_147 (FC),

Start 4:

- Found in 2 of 9 (22.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DunneganBoMo_138 (FC), Phrampa_139 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 2 was manually annotated 1 time for cluster FC.
- Start number 3 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Atuin_140 Start: 97611, Stop: 97790, Start Num: 3

Candidate Starts for Atuin_140:

(Start: 3 @97611 has 1 MA's),

Gene: Bloom_148 Start: 99415, Stop: 99591, Start Num: 3

Candidate Starts for Bloom_148:

(1, 99346), (Start: 2 @99382 has 1 MA's), (Start: 3 @99415 has 1 MA's), (6, 99502), (7, 99505), (8, 99520), (10, 99556),

Gene: DunneganBoMo_138 Start: 94214, Stop: 94384, Start Num: 4

Candidate Starts for DunneganBoMo_138:

(Start: 3 @94208 has 1 MA's), (4, 94214),

Gene: Mimi_150 Start: 98480, Stop: 98656, Start Num: 3

Candidate Starts for Mimi_150:

(Start: 2 @98447 has 1 MA's), (Start: 3 @98480 has 1 MA's), (7, 98570), (8, 98585), (10, 98621),

Gene: Patbob_144 Start: 99242, Stop: 99418, Start Num: 3

Candidate Starts for Patbob_144:

(1, 99173), (Start: 2 @99209 has 1 MA's), (Start: 3 @99242 has 1 MA's), (6, 99329), (7, 99332), (8, 99347), (10, 99383),

Gene: Phrampa_139 Start: 100777, Stop: 100947, Start Num: 4

Candidate Starts for Phrampa_139:

(4, 100777), (5, 100819), (6, 100858), (7, 100861), (8, 100876), (9, 100909), (10, 100912),

Gene: Racecar_146 Start: 99435, Stop: 99644, Start Num: 2

Candidate Starts for Racecar_146:

(1, 99399), (Start: 2 @99435 has 1 MA's), (Start: 3 @99468 has 1 MA's), (6, 99555), (7, 99558), (8, 99573), (10, 99609),

Gene: SJReid_147 Start: 89087, Stop: 89263, Start Num: 3

Candidate Starts for SJReid_147:

(Start: 3 @89087 has 1 MA's), (11, 89237),

Gene: Talia1610_147 Start: 99483, Stop: 99659, Start Num: 3

Candidate Starts for Talia1610_147:

(1, 99414), (Start: 2 @99450 has 1 MA's), (Start: 3 @99483 has 1 MA's), (6, 99570), (7, 99573), (8, 99588), (10, 99624),