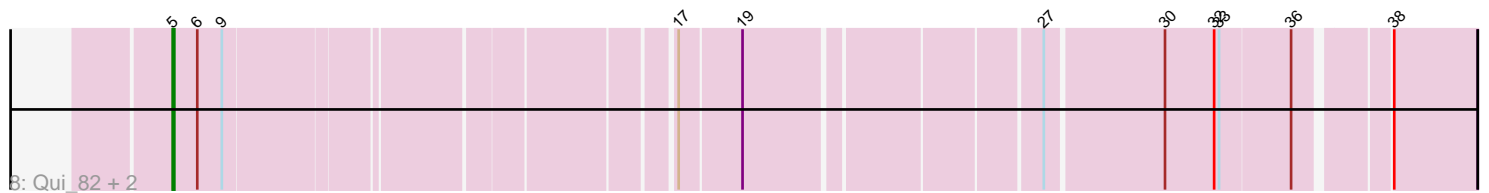
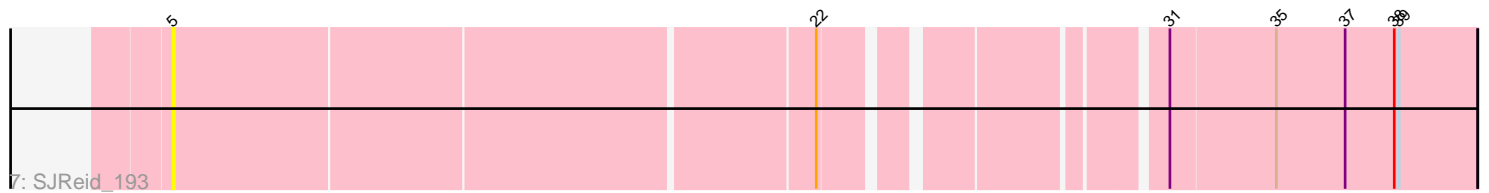
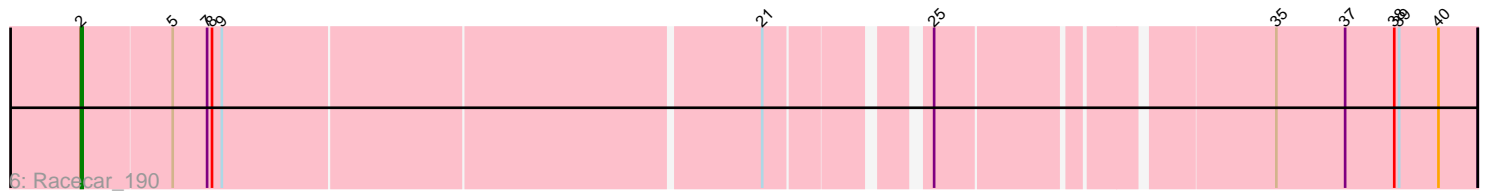
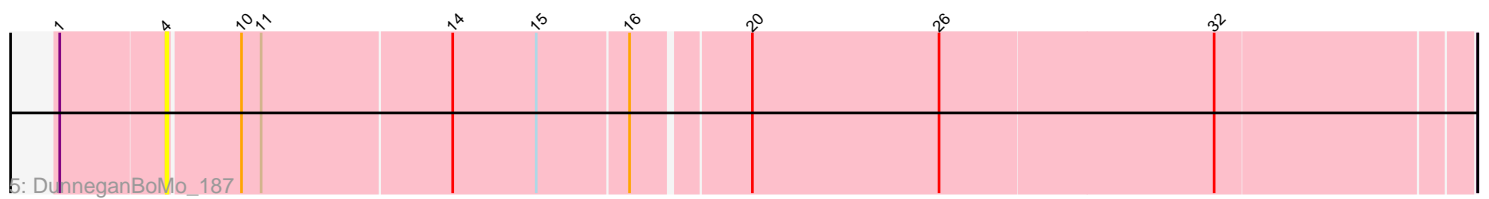
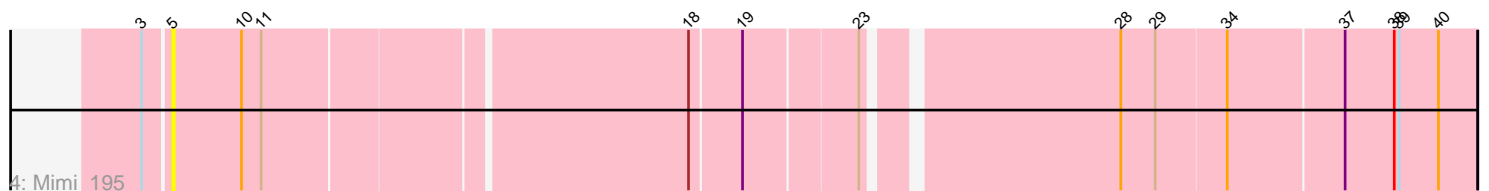
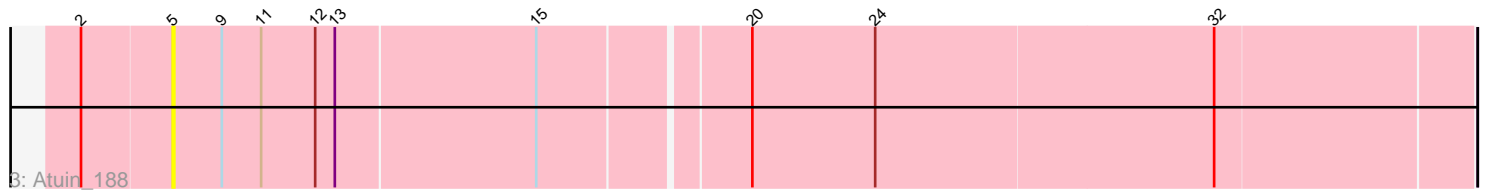
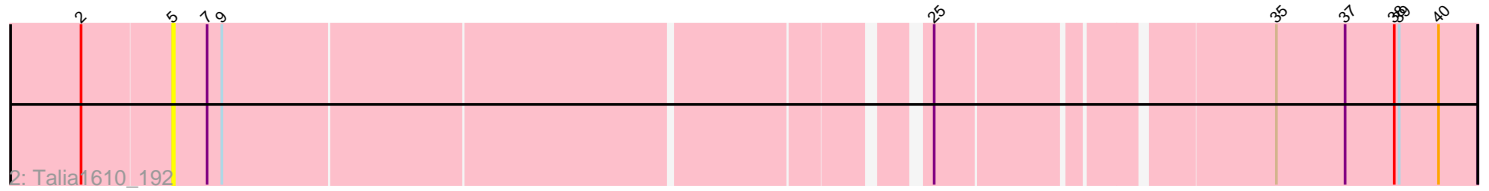
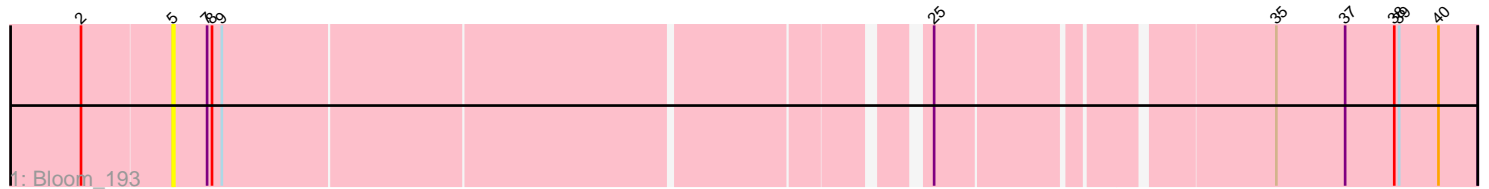


Pham 8564



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 8564 Report

This analysis was run 04/28/24 on database version 559.

Pham number 8564 has 10 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Bloom_193
- Track 2 : Talia1610_192
- Track 3 : Atuin_188
- Track 4 : Mimi_195
- Track 5 : DunneganBoMo_187
- Track 6 : Racecar_190
- Track 7 : SJReid_193
- Track 8 : Qui_82, Paella_82, Elver_79

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_188, Bloom_193, Elver_79, Mimi_195, Paella_82, Qui_82, SJReid_193, Talia1610_192,

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

- Racecar_190,

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

- DunneganBoMo_187,

Summary by start number:

Start 2:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Racecar_190 (FC),

Start 4:

- Found in 1 of 10 (10.0%) 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_187 (FC),

Start 5:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Atuin_188 (FC), Bloom_193 (FC), Elver_79 (FK), Mimi_195 (FC), Paella_82 (FK), Qui_82 (FK), SJReid_193 (FC), Talia1610_192 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: FK, FC,

Info for manual annotations of cluster FC:

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

Info for manual annotations of cluster FK:

- Start number 5 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Atuin_188 Start: 128357, Stop: 129127, Start Num: 5

Candidate Starts for Atuin_188:

(Start: 2 @128303 has 1 MA's), (Start: 5 @128357 has 2 MA's), (9, 128387), (11, 128411), (12, 128444), (13, 128456), (15, 128576), (20, 128696), (24, 128771), (32, 128975),

Gene: Bloom_193 Start: 131133, Stop: 131870, Start Num: 5

Candidate Starts for Bloom_193:

(Start: 2 @131079 has 1 MA's), (Start: 5 @131133 has 2 MA's), (7, 131154), (8, 131157), (9, 131163), (25, 131562), (35, 131748), (37, 131790), (38, 131820), (39, 131823), (40, 131847),

Gene: DunneganBoMo_187 Start: 133110, Stop: 133877, Start Num: 4

Candidate Starts for DunneganBoMo_187:

(1, 133047), (4, 133110), (10, 133152), (11, 133164), (14, 133278), (15, 133329), (16, 133383), (20, 133449), (26, 133563), (32, 133728),

Gene: Elver_79 Start: 48558, Stop: 49277, Start Num: 5

Candidate Starts for Elver_79:

(Start: 5 @48558 has 2 MA's), (6, 48573), (9, 48588), (17, 48834), (19, 48870), (27, 49035), (30, 49104), (32, 49134), (33, 49137), (36, 49179), (38, 49227),

Gene: Mimi_195 Start: 130741, Stop: 131490, Start Num: 5

Candidate Starts for Mimi_195:

(3, 130726), (Start: 5 @130741 has 2 MA's), (10, 130783), (11, 130795), (18, 131041), (19, 131071), (23, 131137), (28, 131278), (29, 131299), (34, 131341), (37, 131410), (38, 131440), (39, 131443), (40, 131467),

Gene: Paella_82 Start: 49151, Stop: 49870, Start Num: 5

Candidate Starts for Paella_82:

(Start: 5 @49151 has 2 MA's), (6, 49166), (9, 49181), (17, 49427), (19, 49463), (27, 49628), (30, 49697), (32, 49727), (33, 49730), (36, 49772), (38, 49820),

Gene: Qui_82 Start: 49151, Stop: 49870, Start Num: 5

Candidate Starts for Qui_82:

(Start: 5 @49151 has 2 MA's), (6, 49166), (9, 49181), (17, 49427), (19, 49463), (27, 49628), (30, 49697), (32, 49727), (33, 49730), (36, 49772), (38, 49820),

Gene: Racecar_190 Start: 130862, Stop: 131653, Start Num: 2

Candidate Starts for Racecar_190:

(Start: 2 @130862 has 1 MA's), (Start: 5 @130916 has 2 MA's), (7, 130937), (8, 130940), (9, 130946), (21, 131264), (25, 131345), (35, 131531), (37, 131573), (38, 131603), (39, 131606), (40, 131630),

Gene: SJReid_193 Start: 123057, Stop: 123794, Start Num: 5

Candidate Starts for SJReid_193:

(Start: 5 @123057 has 2 MA's), (22, 123435), (31, 123609), (35, 123672), (37, 123714), (38, 123744), (39, 123747),

Gene: Talia1610_192 Start: 131212, Stop: 131949, Start Num: 5

Candidate Starts for Talia1610_192:

(Start: 2 @131158 has 1 MA's), (Start: 5 @131212 has 2 MA's), (7, 131233), (9, 131242), (25, 131641), (35, 131827), (37, 131869), (38, 131899), (39, 131902), (40, 131926),