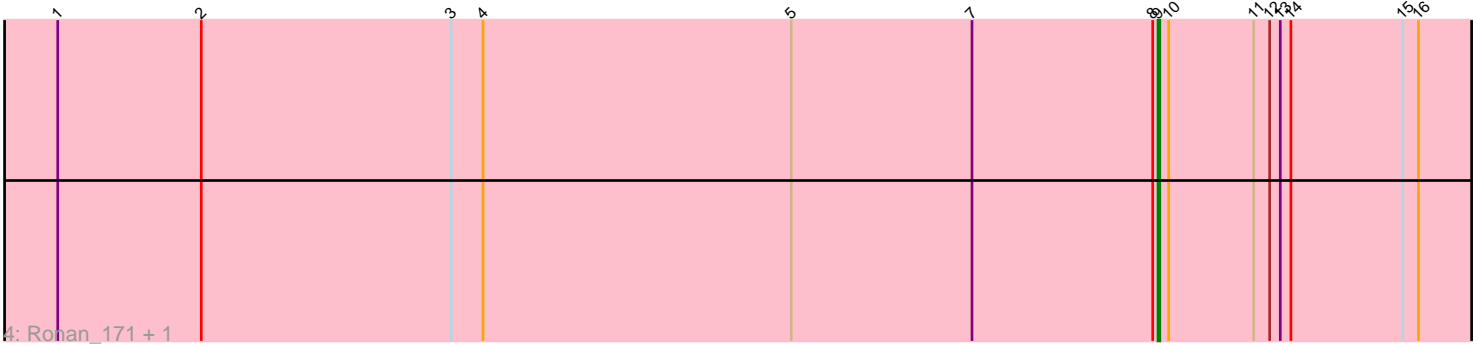
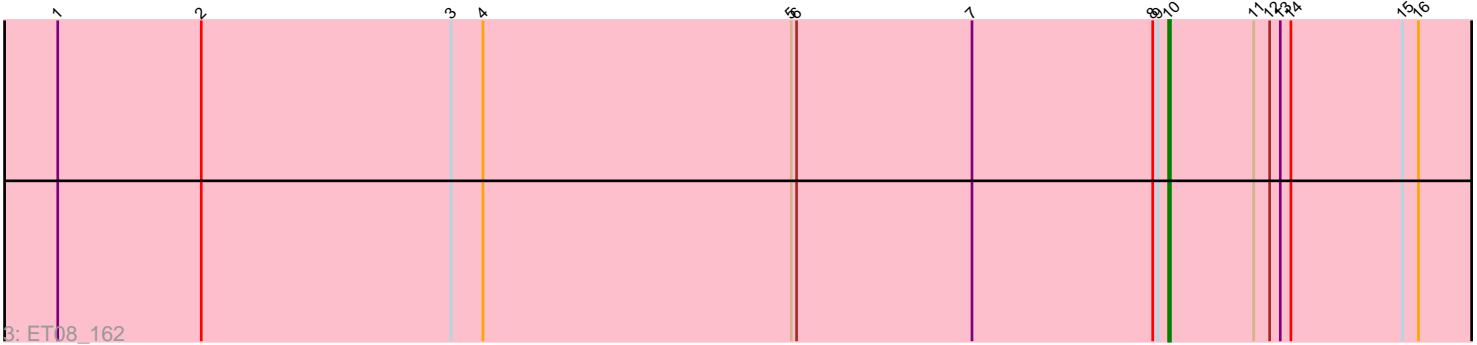
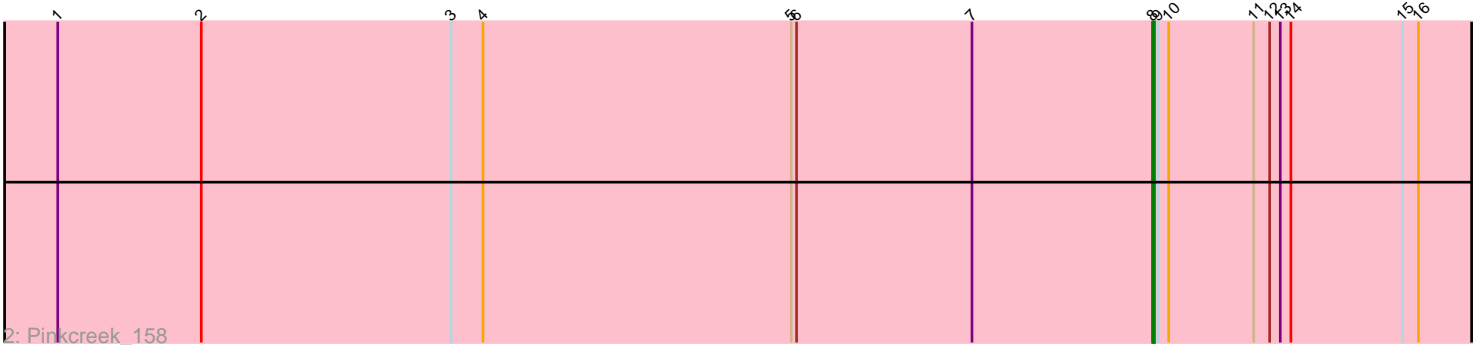
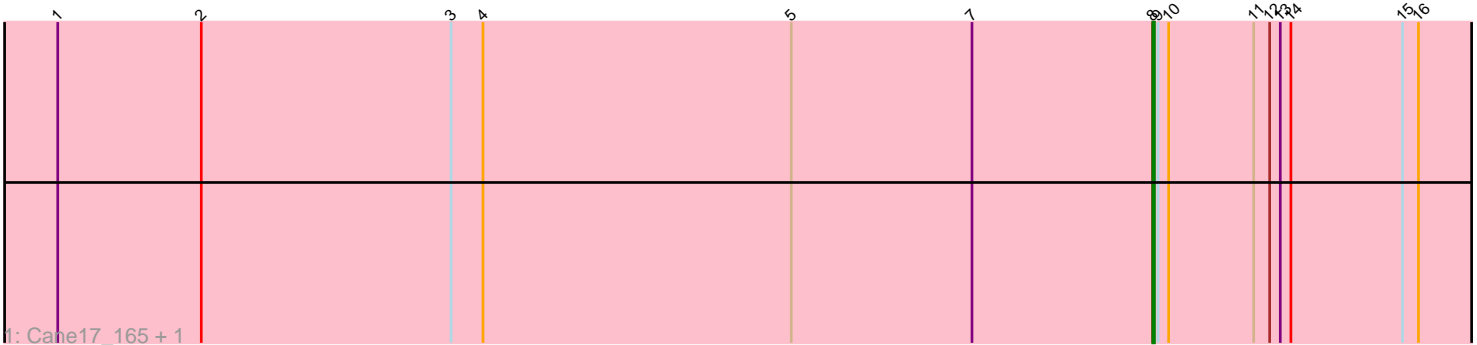


Pham 107124



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 107124 Report

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

Pham number 107124 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Cane17_165, Gizmo_179
- Track 2 : Pinkcreek_158
- Track 3 : ET08_162
- Track 4 : Ronan_171, IkeLoa_168

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

The start number called the most often in the published annotations is 8, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cane17_165, Gizmo_179, Pinkcreek_158,

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

- ET08_162, IkeLoa_168, Ronan_171,

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

-

Summary by start number:

Start 8:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cane17_165 (C1), Gizmo_179 (C1), Pinkcreek_158 (C1),

Start 9:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 33.3% of time when present
- Phage (with cluster) where this start called: IkeLoa_168 (C1), Ronan_171 (C1),

Start 10:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 16.7% of time when present
- Phage (with cluster) where this start called: ET08_162 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 8 was manually annotated 3 times for cluster C1.
- Start number 9 was manually annotated 2 times for cluster C1.
- Start number 10 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: Cane17_165 Start: 97948, Stop: 98148, Start Num: 8

Candidate Starts for Cane17_165:

(1, 97330), (2, 97411), (3, 97552), (4, 97570), (5, 97744), (7, 97846), (Start: 8 @97948 has 3 MA's), (Start: 9 @97951 has 2 MA's), (Start: 10 @97957 has 1 MA's), (11, 98005), (12, 98014), (13, 98020), (14, 98026), (15, 98089), (16, 98098),

Gene: ET08_162 Start: 95582, Stop: 95773, Start Num: 10

Candidate Starts for ET08_162:

(1, 94955), (2, 95036), (3, 95177), (4, 95195), (5, 95369), (6, 95372), (7, 95471), (Start: 8 @95573 has 3 MA's), (Start: 9 @95576 has 2 MA's), (Start: 10 @95582 has 1 MA's), (11, 95630), (12, 95639), (13, 95645), (14, 95651), (15, 95714), (16, 95723),

Gene: Gizmo_179 Start: 98072, Stop: 98272, Start Num: 8

Candidate Starts for Gizmo_179:

(1, 97454), (2, 97535), (3, 97676), (4, 97694), (5, 97868), (7, 97970), (Start: 8 @98072 has 3 MA's), (Start: 9 @98075 has 2 MA's), (Start: 10 @98081 has 1 MA's), (11, 98129), (12, 98138), (13, 98144), (14, 98150), (15, 98213), (16, 98222),

Gene: IkeLoa_168 Start: 95332, Stop: 95529, Start Num: 9

Candidate Starts for IkeLoa_168:

(1, 94711), (2, 94792), (3, 94933), (4, 94951), (5, 95125), (7, 95227), (Start: 8 @95329 has 3 MA's), (Start: 9 @95332 has 2 MA's), (Start: 10 @95338 has 1 MA's), (11, 95386), (12, 95395), (13, 95401), (14, 95407), (15, 95470), (16, 95479),

Gene: Pinkcreek_158 Start: 94190, Stop: 94390, Start Num: 8

Candidate Starts for Pinkcreek_158:

(1, 93572), (2, 93653), (3, 93794), (4, 93812), (5, 93986), (6, 93989), (7, 94088), (Start: 8 @94190 has 3 MA's), (Start: 9 @94193 has 2 MA's), (Start: 10 @94199 has 1 MA's), (11, 94247), (12, 94256), (13, 94262), (14, 94268), (15, 94331), (16, 94340),

Gene: Ronan_171 Start: 94421, Stop: 94618, Start Num: 9

Candidate Starts for Ronan_171:

(1, 93800), (2, 93881), (3, 94022), (4, 94040), (5, 94214), (7, 94316), (Start: 8 @94418 has 3 MA's), (Start: 9 @94421 has 2 MA's), (Start: 10 @94427 has 1 MA's), (11, 94475), (12, 94484), (13, 94490),

(14, 94496), (15, 94559), (16, 94568),