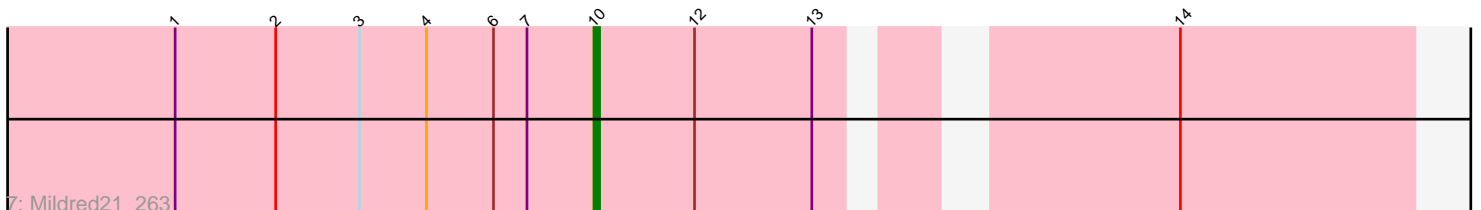
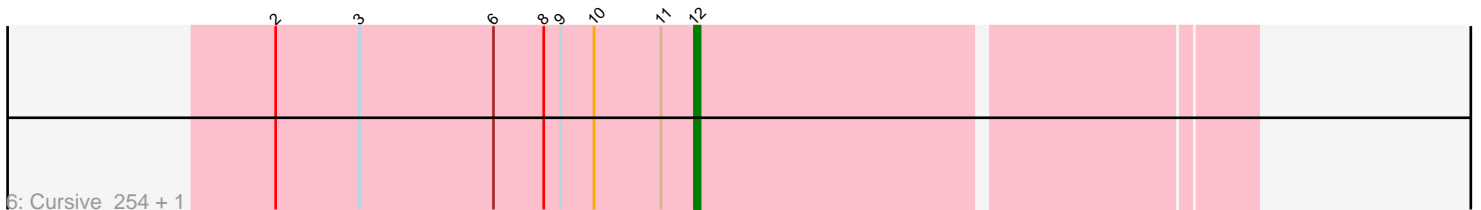
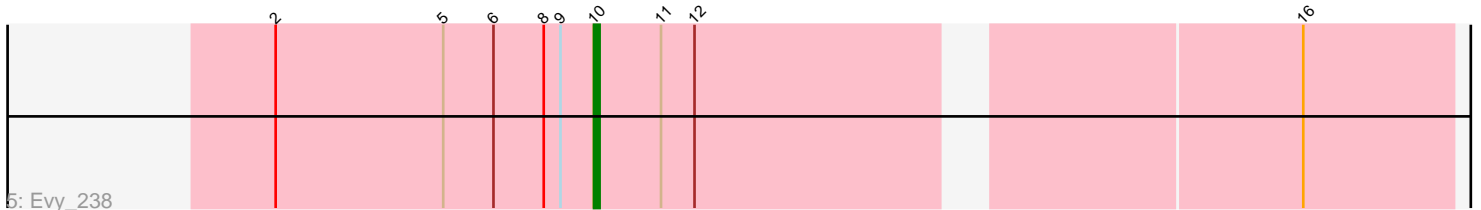
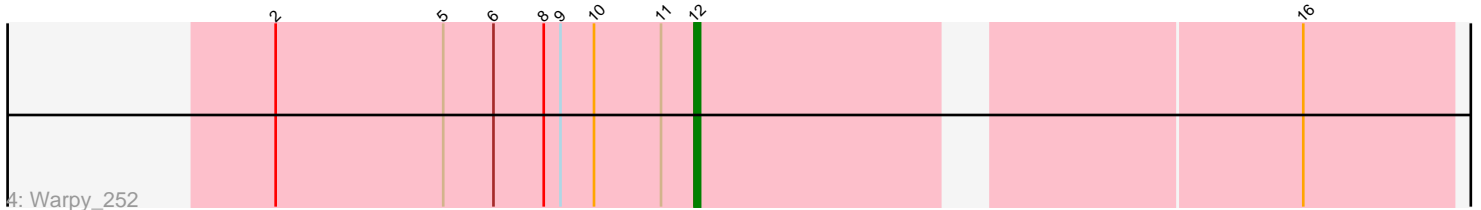
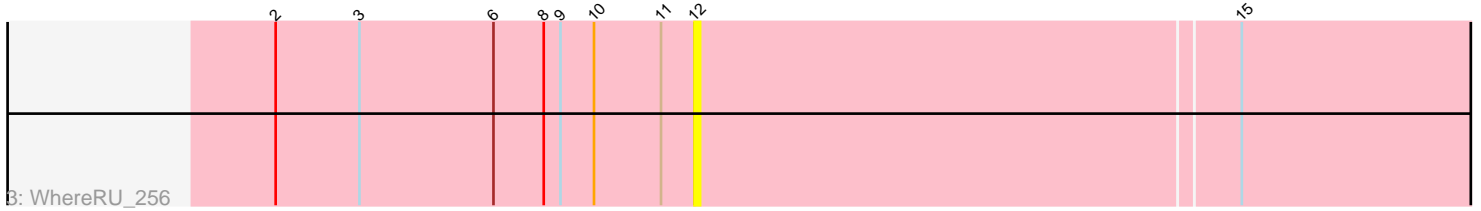
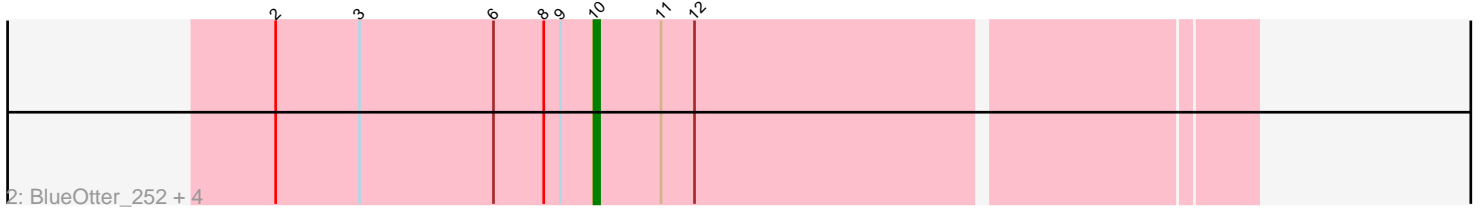
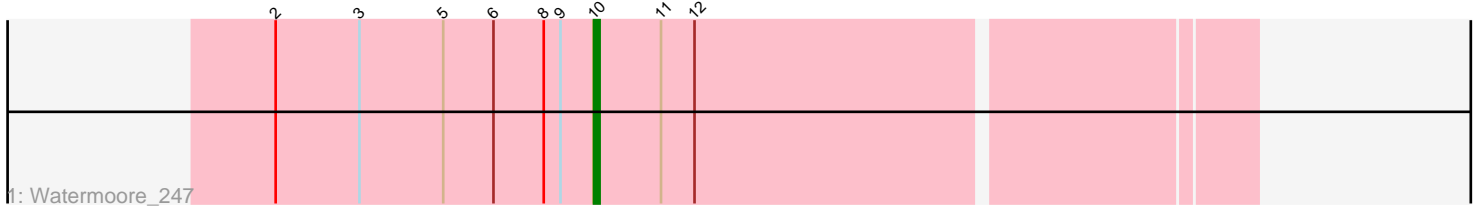


Pham 171920



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 171920 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171920 has 12 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Watermoore_247
- Track 2 : BlueOtter_252, HangryHippo_252, Lululemon_250, PacManQ_251, Sushi23_250
- Track 3 : WhereRU_256
- Track 4 : Warpy_252
- Track 5 : Evy_238
- Track 6 : Cursive_254, Leo04_251
- Track 7 : Mildred21_263

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueOtter_252, Evy_238, HangryHippo_252, Lululemon_250, Mildred21_263, PacManQ_251, Sushi23_250, Watermoore_247,

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

- Cursive_254, Leo04_251, Warpy_252, WhereRU_256,

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

-

Summary by start number:

Start 10:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BlueOtter_252 (BE1), Evy_238 (BE1), HangryHippo_252 (BE1), Lululemon_250 (BE1), Mildred21_263 (BE1), PacManQ_251 (BE1), Sushi23_250 (BE1), Watermoore_247 (BE1),

Start 12:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Cursive_254 (BE1), Leo04_251 (BE1), Warpy_252 (BE1), WhereRU_256 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

- Start number 10 was manually annotated 4 times for cluster BE1.
- Start number 12 was manually annotated 3 times for cluster BE1.

Gene Information:

Gene: BlueOtter_252 Start: 120541, Stop: 120654, Start Num: 10

Candidate Starts for BlueOtter_252:

(2, 120484), (3, 120499), (6, 120523), (8, 120532), (9, 120535), (Start: 10 @120541 has 4 MA's), (11, 120553), (Start: 12 @120559 has 3 MA's),

Gene: Cursive_254 Start: 121481, Stop: 121576, Start Num: 12

Candidate Starts for Cursive_254:

(2, 121406), (3, 121421), (6, 121445), (8, 121454), (9, 121457), (Start: 10 @121463 has 4 MA's), (11, 121475), (Start: 12 @121481 has 3 MA's),

Gene: Evy_238 Start: 121200, Stop: 121343, Start Num: 10

Candidate Starts for Evy_238:

(2, 121143), (5, 121173), (6, 121182), (8, 121191), (9, 121194), (Start: 10 @121200 has 4 MA's), (11, 121212), (Start: 12 @121218 has 3 MA's), (16, 121317),

Gene: HangryHippo_252 Start: 120541, Stop: 120654, Start Num: 10

Candidate Starts for HangryHippo_252:

(2, 120484), (3, 120499), (6, 120523), (8, 120532), (9, 120535), (Start: 10 @120541 has 4 MA's), (11, 120553), (Start: 12 @120559 has 3 MA's),

Gene: Leo04_251 Start: 121590, Stop: 121685, Start Num: 12

Candidate Starts for Leo04_251:

(2, 121515), (3, 121530), (6, 121554), (8, 121563), (9, 121566), (Start: 10 @121572 has 4 MA's), (11, 121584), (Start: 12 @121590 has 3 MA's),

Gene: Lululemon_250 Start: 120346, Stop: 120459, Start Num: 10

Candidate Starts for Lululemon_250:

(2, 120289), (3, 120304), (6, 120328), (8, 120337), (9, 120340), (Start: 10 @120346 has 4 MA's), (11, 120358), (Start: 12 @120364 has 3 MA's),

Gene: Mildred21_263 Start: 120638, Stop: 120769, Start Num: 10

Candidate Starts for Mildred21_263:

(1, 120563), (2, 120581), (3, 120596), (4, 120608), (6, 120620), (7, 120626), (Start: 10 @120638 has 4 MA's), (Start: 12 @120656 has 3 MA's), (13, 120677), (14, 120728),

Gene: PacManQ_251 Start: 120346, Stop: 120459, Start Num: 10

Candidate Starts for PacManQ_251:

(2, 120289), (3, 120304), (6, 120328), (8, 120337), (9, 120340), (Start: 10 @120346 has 4 MA's), (11, 120358), (Start: 12 @120364 has 3 MA's),

Gene: Sushi23_250 Start: 122296, Stop: 122409, Start Num: 10

Candidate Starts for Sushi23_250:

(2, 122239), (3, 122254), (6, 122278), (8, 122287), (9, 122290), (Start: 10 @122296 has 4 MA's), (11, 122308), (Start: 12 @122314 has 3 MA's),

Gene: Warpy_252 Start: 121027, Stop: 121152, Start Num: 12

Candidate Starts for Warpy_252:

(2, 120952), (5, 120982), (6, 120991), (8, 121000), (9, 121003), (Start: 10 @121009 has 4 MA's), (11, 121021), (Start: 12 @121027 has 3 MA's), (16, 121126),

Gene: Watermoore_247 Start: 122050, Stop: 122163, Start Num: 10

Candidate Starts for Watermoore_247:

(2, 121993), (3, 122008), (5, 122023), (6, 122032), (8, 122041), (9, 122044), (Start: 10 @122050 has 4 MA's), (11, 122062), (Start: 12 @122068 has 3 MA's),

Gene: WhereRU_256 Start: 120606, Stop: 120746, Start Num: 12

Candidate Starts for WhereRU_256:

(2, 120531), (3, 120546), (6, 120570), (8, 120579), (9, 120582), (Start: 10 @120588 has 4 MA's), (11, 120600), (Start: 12 @120606 has 3 MA's), (15, 120702),