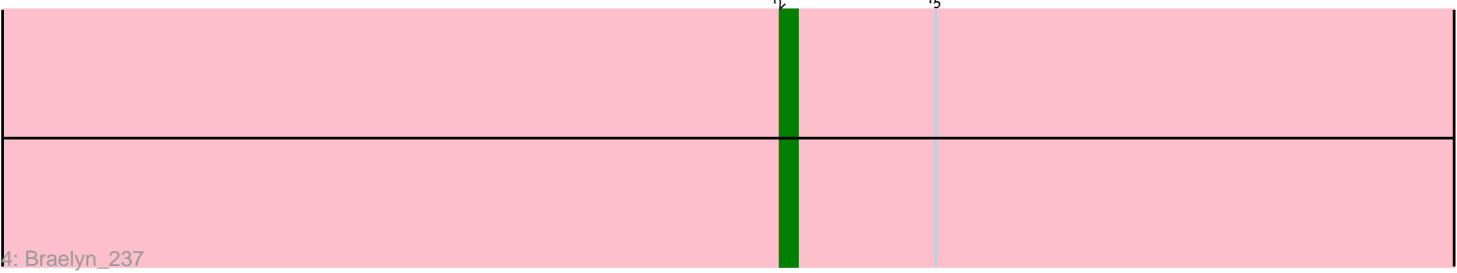
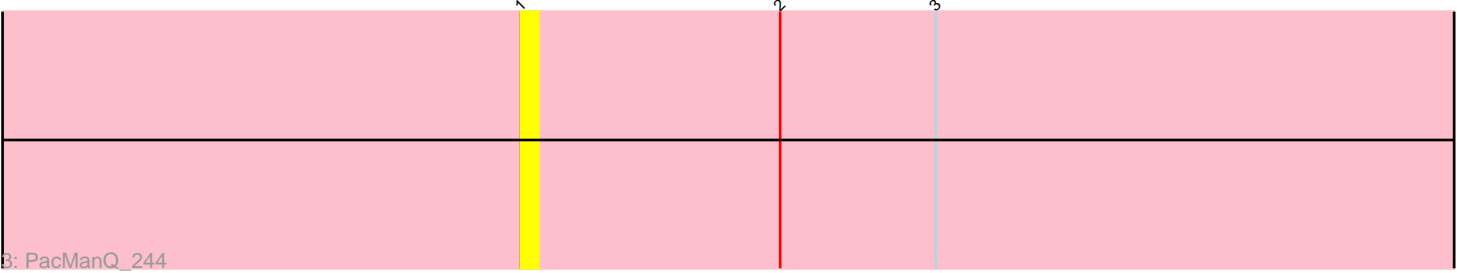
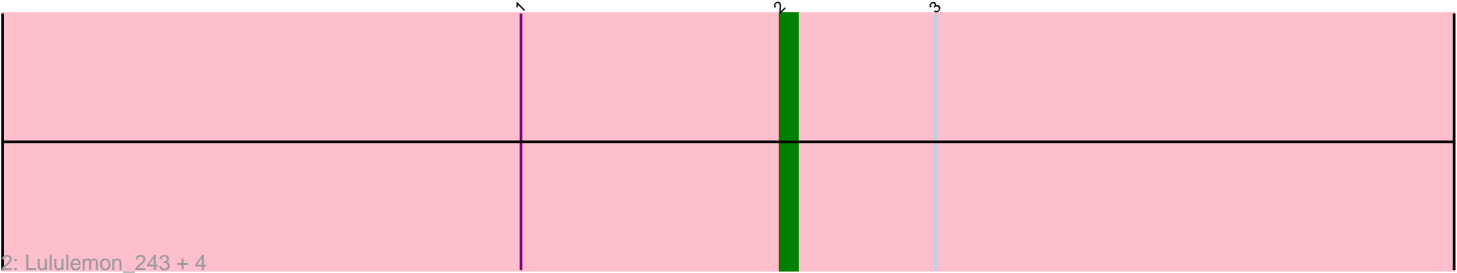
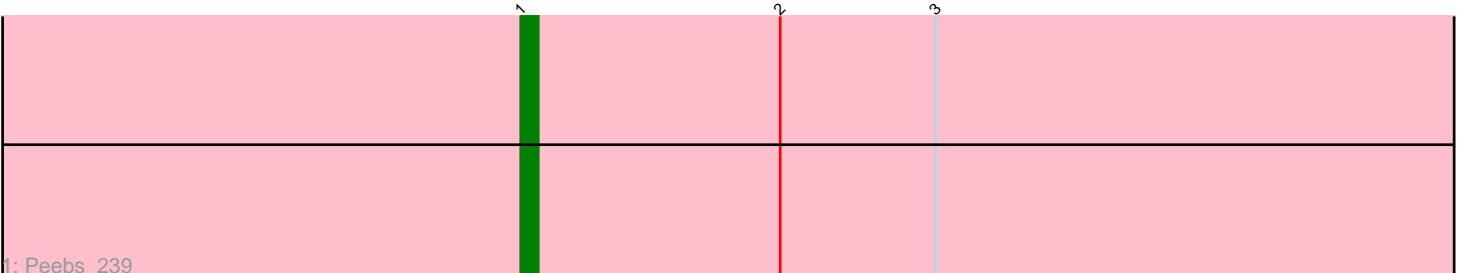


Pham 28993



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 28993 Report

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

Pham number 28993 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Peebs_239
- Track 2 : Lululemon_243, BlueOtter_245, HangryHippo_245, Cursive_246, Leo04_244
- Track 3 : PacManQ_244
- Track 4 : Braelyn_237
- Track 5 : Larnav_251

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueOtter_245, Braelyn_237, Cursive_246, HangryHippo_245, Larnav_251, Leo04_244, Lululemon_243,

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

- PacManQ_244, Peebs_239,

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

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Summary by start number:

Start 1:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 25.0% of time when present
- Phage (with cluster) where this start called: PacManQ_244 (BE1), Peebs_239 (BE1),

Start 2:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 4

- Called 77.8% of time when present
- Phage (with cluster) where this start called: BlueOtter_245 (BE1), Braelyn_237 (BE1), Cursive_246 (BE1), HangryHippo_245 (BE1), Larnav_251 (BE1), Leo04_244 (BE1), Lululemon_243 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

- Start number 1 was manually annotated 1 time for cluster BE1.
- Start number 2 was manually annotated 3 times for cluster BE1.

Gene Information:

Gene: BlueOtter_245 Start: 118319, Stop: 118438, Start Num: 2

Candidate Starts for BlueOtter_245:

(Start: 1 @118304 has 1 MA's), (Start: 2 @118319 has 3 MA's), (3, 118328),

Gene: Braelyn_237 Start: 117478, Stop: 117597, Start Num: 2

Candidate Starts for Braelyn_237:

(Start: 2 @117478 has 3 MA's), (3, 117487),

Gene: Cursive_246 Start: 119071, Stop: 119190, Start Num: 2

Candidate Starts for Cursive_246:

(Start: 1 @119056 has 1 MA's), (Start: 2 @119071 has 3 MA's), (3, 119080),

Gene: HangryHippo_245 Start: 118319, Stop: 118438, Start Num: 2

Candidate Starts for HangryHippo_245:

(Start: 1 @118304 has 1 MA's), (Start: 2 @118319 has 3 MA's), (3, 118328),

Gene: Larnav_251 Start: 119237, Stop: 119356, Start Num: 2

Candidate Starts for Larnav_251:

(Start: 1 @119222 has 1 MA's), (Start: 2 @119237 has 3 MA's), (3, 119246),

Gene: Leo04_244 Start: 119350, Stop: 119469, Start Num: 2

Candidate Starts for Leo04_244:

(Start: 1 @119335 has 1 MA's), (Start: 2 @119350 has 3 MA's), (3, 119359),

Gene: Lululemon_243 Start: 118124, Stop: 118243, Start Num: 2

Candidate Starts for Lululemon_243:

(Start: 1 @118109 has 1 MA's), (Start: 2 @118124 has 3 MA's), (3, 118133),

Gene: PacManQ_244 Start: 118109, Stop: 118243, Start Num: 1

Candidate Starts for PacManQ_244:

(Start: 1 @118109 has 1 MA's), (Start: 2 @118124 has 3 MA's), (3, 118133),

Gene: Peebs_239 Start: 119193, Stop: 119327, Start Num: 1

Candidate Starts for Peebs_239:

(Start: 1 @119193 has 1 MA's), (Start: 2 @119208 has 3 MA's), (3, 119217),