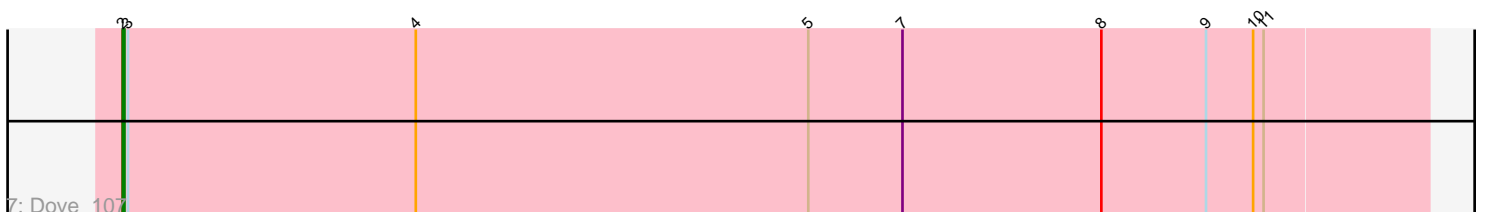
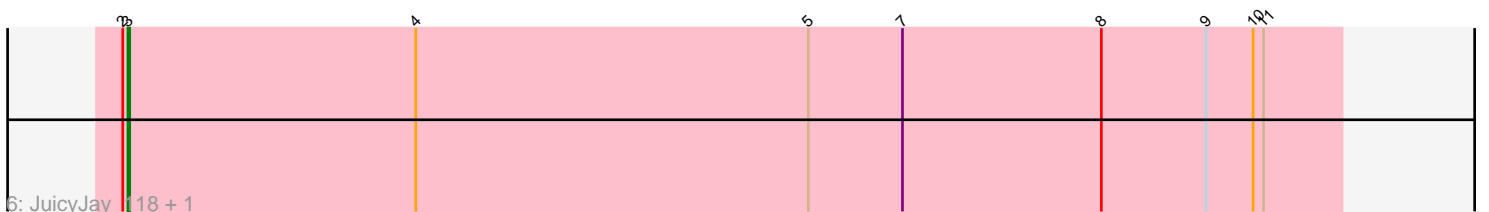
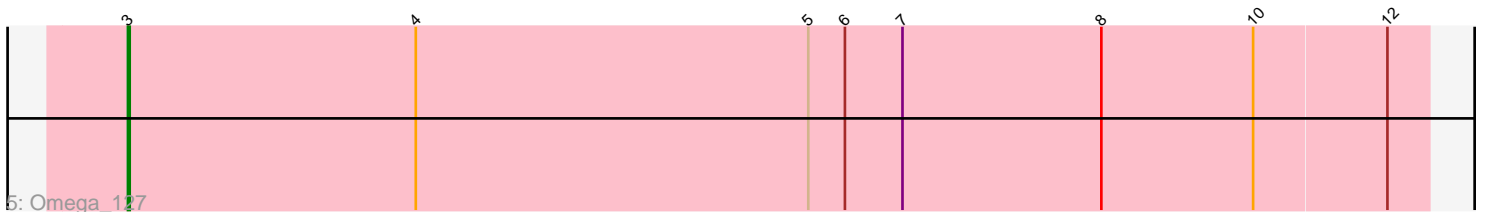
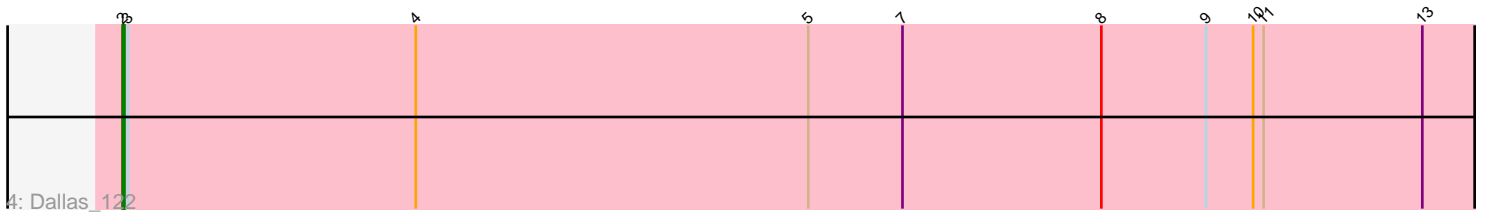
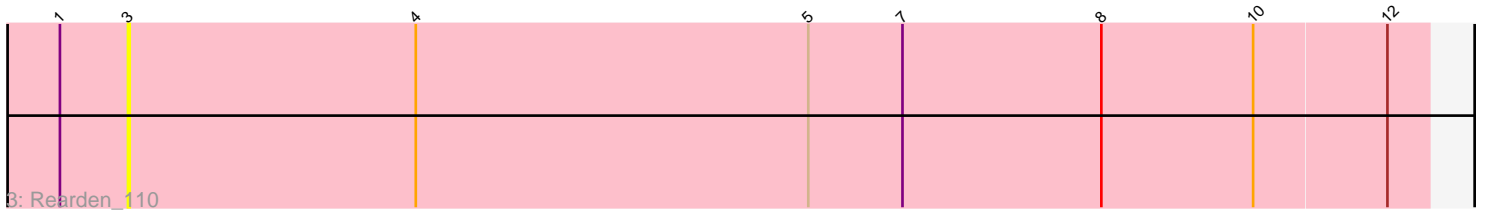
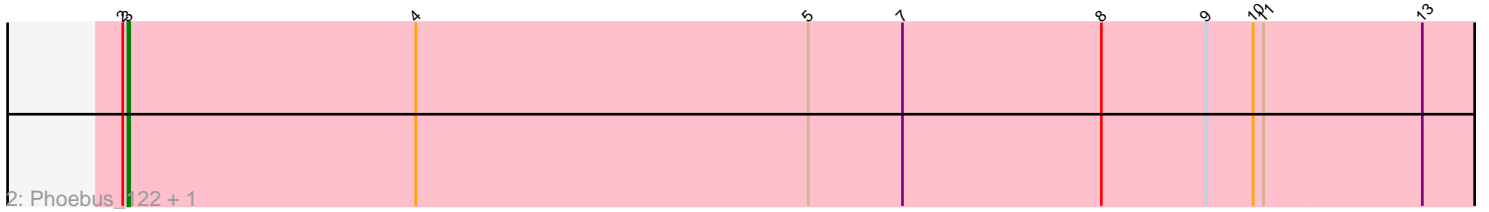
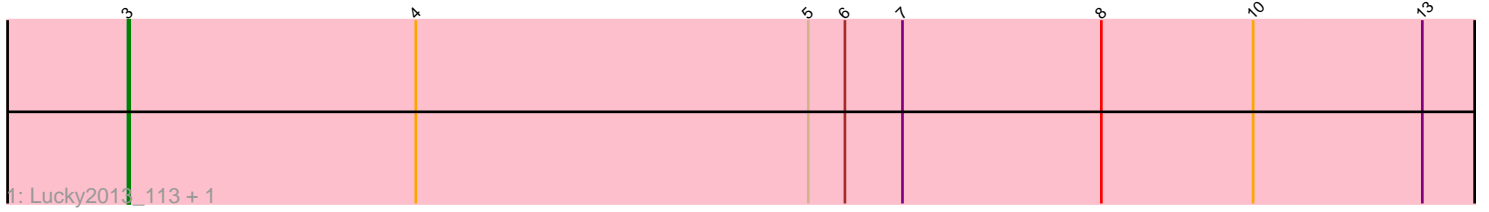


Pham 300527



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 300527 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300527 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Lucky2013\_113, Porcelain\_116
- Track 2 : Phoebus\_122, Beem\_123
- Track 3 : Rearden\_110
- Track 4 : Dallas\_122
- Track 5 : Omega\_127
- Track 6 : JuicyJay\_118, NihilNomen\_123
- Track 7 : Dove\_107

### ***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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beem\_123, JuicyJay\_118, Lucky2013\_113, NihilNomen\_123, Omega\_127, Phoebus\_122, Porcelain\_116, Rearden\_110,

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

- Dallas\_122, Dove\_107,

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

- 

### **Summary by start number:**

Start 2:

- Found in 6 of 10 ( 60.0% ) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Dallas\_122 (J), Dove\_107 (J),

Start 3:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 7 of 9

- Called 80.0% of time when present
- Phage (with cluster) where this start called: Beem\_123 (J), JuicyJay\_118 (J), Lucky2013\_113 (J), NihilNomen\_123 (J), Omega\_127 (J), Phoebus\_122 (J), Porcelain\_116 (J), Rearden\_110 (J),

### **Summary by clusters:**

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 2 was manually annotated 2 times for cluster J.
- Start number 3 was manually annotated 7 times for cluster J.

### **Gene Information:**

Gene: Beem\_123 Start: 68477, Stop: 69316, Start Num: 3

Candidate Starts for Beem\_123:

(Start: 2 @68474 has 2 MA's), (Start: 3 @68477 has 7 MA's), (4, 68642), (5, 68867), (7, 68921), (8, 69035), (9, 69095), (10, 69122), (11, 69128), (13, 69218),

Gene: Dallas\_122 Start: 67989, Stop: 68831, Start Num: 2

Candidate Starts for Dallas\_122:

(Start: 2 @67989 has 2 MA's), (Start: 3 @67992 has 7 MA's), (4, 68157), (5, 68382), (7, 68436), (8, 68550), (9, 68610), (10, 68637), (11, 68643), (13, 68733),

Gene: Dove\_107 Start: 62903, Stop: 63649, Start Num: 2

Candidate Starts for Dove\_107:

(Start: 2 @62903 has 2 MA's), (Start: 3 @62906 has 7 MA's), (4, 63071), (5, 63296), (7, 63350), (8, 63464), (9, 63524), (10, 63551), (11, 63557),

Gene: JuicyJay\_118 Start: 69612, Stop: 70307, Start Num: 3

Candidate Starts for JuicyJay\_118:

(Start: 2 @69609 has 2 MA's), (Start: 3 @69612 has 7 MA's), (4, 69777), (5, 70002), (7, 70056), (8, 70170), (9, 70230), (10, 70257), (11, 70263),

Gene: Lucky2013\_113 Start: 62899, Stop: 63738, Start Num: 3

Candidate Starts for Lucky2013\_113:

(Start: 3 @62899 has 7 MA's), (4, 63064), (5, 63289), (6, 63310), (7, 63343), (8, 63457), (10, 63544), (13, 63640),

Gene: NihilNomen\_123 Start: 67564, Stop: 68259, Start Num: 3

Candidate Starts for NihilNomen\_123:

(Start: 2 @67561 has 2 MA's), (Start: 3 @67564 has 7 MA's), (4, 67729), (5, 67954), (7, 68008), (8, 68122), (9, 68182), (10, 68209), (11, 68215),

Gene: Omega\_127 Start: 67900, Stop: 68643, Start Num: 3

Candidate Starts for Omega\_127:

(Start: 3 @67900 has 7 MA's), (4, 68065), (5, 68290), (6, 68311), (7, 68344), (8, 68458), (10, 68545), (12, 68620),

Gene: Phoebus\_122 Start: 69422, Stop: 70261, Start Num: 3

Candidate Starts for Phoebus\_122:

(Start: 2 @69419 has 2 MA's), (Start: 3 @69422 has 7 MA's), (4, 69587), (5, 69812), (7, 69866), (8, 69980), (9, 70040), (10, 70067), (11, 70073), (13, 70163),

Gene: Porcelain\_116 Start: 63845, Stop: 64684, Start Num: 3

Candidate Starts for Porcelain\_116:

(Start: 3 @63845 has 7 MA's), (4, 64010), (5, 64235), (6, 64256), (7, 64289), (8, 64403), (10, 64490), (13, 64586),

Gene: Rearden\_110 Start: 63557, Stop: 64300, Start Num: 3

Candidate Starts for Rearden\_110:

(1, 63518), (Start: 3 @63557 has 7 MA's), (4, 63722), (5, 63947), (7, 64001), (8, 64115), (10, 64202), (12, 64277),