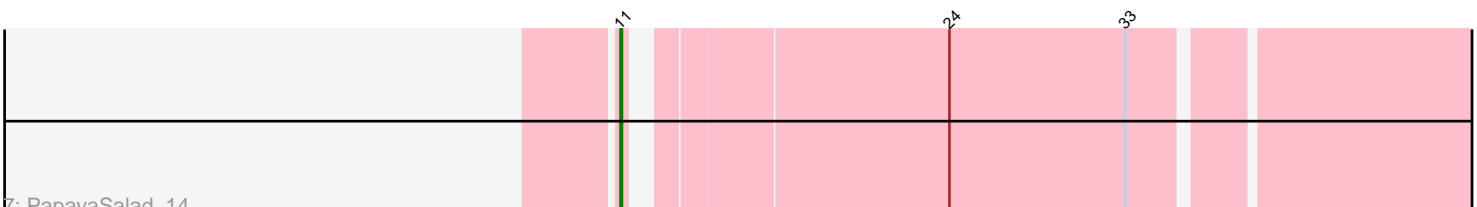
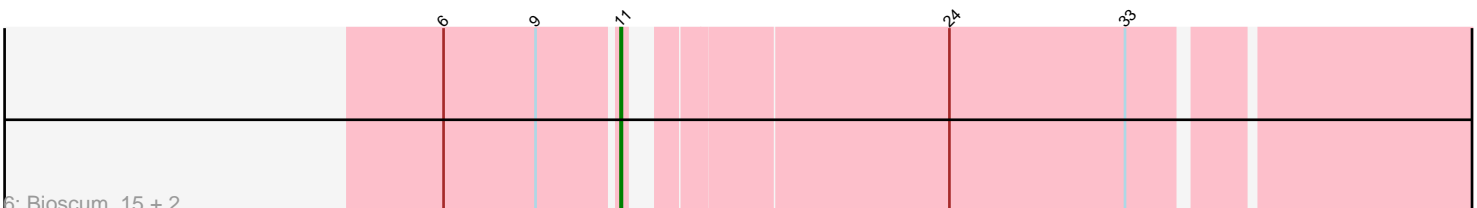
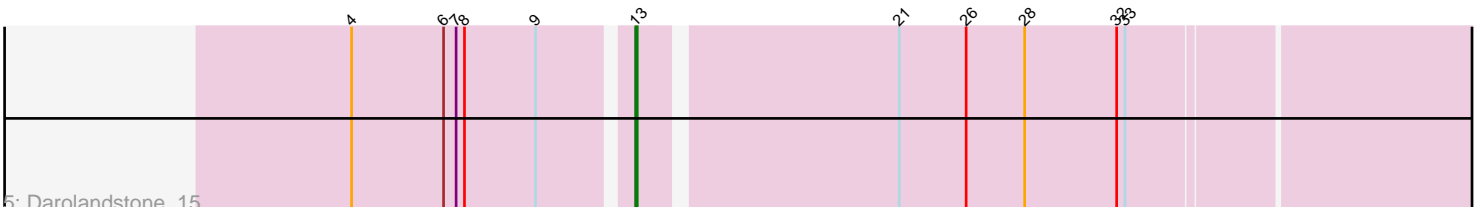
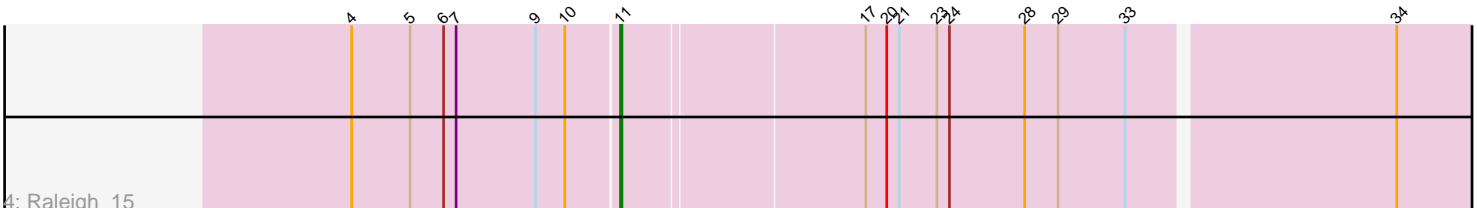
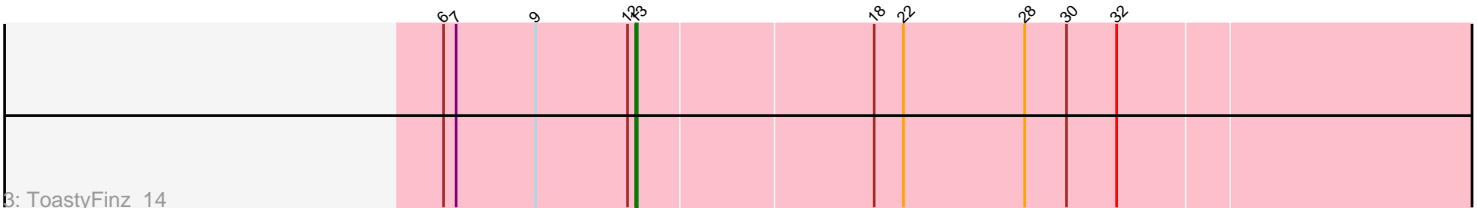
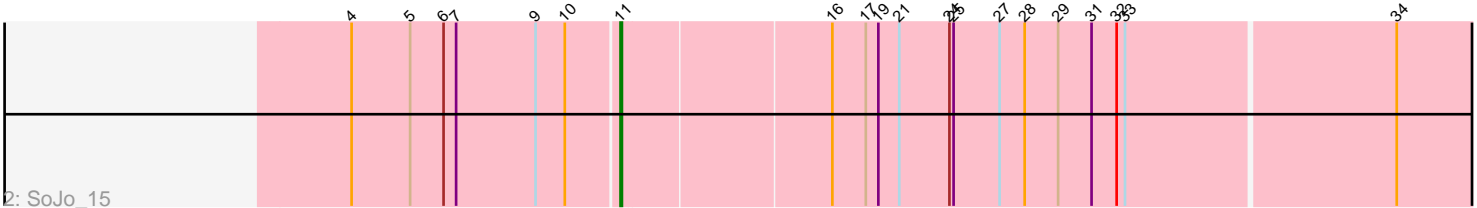
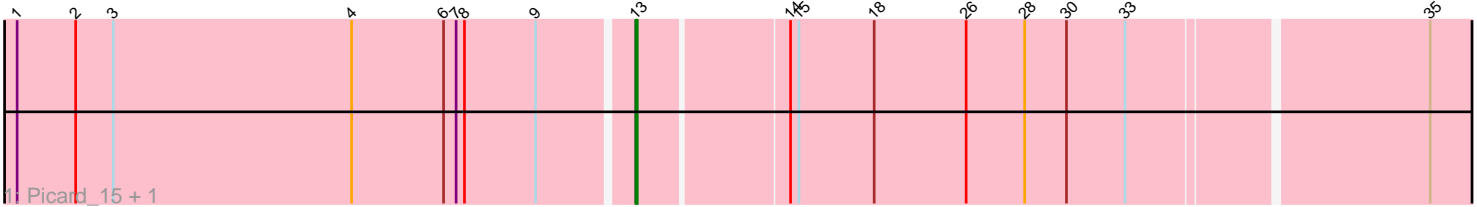


Pham 87516



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 87516 Report

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

Pham number 87516 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Picard_15, Mojerita_15
- Track 2 : SoJo_15
- Track 3 : ToastyFinz_14
- Track 4 : Raleigh_15
- Track 5 : Darolandstone_15
- Track 6 : Bioscum_15, Ididsumtinwong_15, Austintatious_15
- Track 7 : PapayaSalad_14

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

The start number called the most often in the published annotations is 11, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Austintatious_15, Bioscum_15, Ididsumtinwong_15, PapayaSalad_14, Raleigh_15, SoJo_15,

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

-

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

- Darolandstone_15, Mojerita_15, Picard_15, ToastyFinz_14,

Summary by start number:

Start 11:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Austintatious_15 (BC3), Bioscum_15 (BC3), Ididsumtinwong_15 (BC3), PapayaSalad_14 (BC3), Raleigh_15 (BC2), SoJo_15 (BC1),

Start 13:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 4 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Darolandstone_15 (BC2), Mojerita_15 (BC1), Picard_15 (BC1), ToastyFinz_14 (BC1),

Summary by clusters:

There are 3 clusters represented in this pham: BC1, BC2, BC3,

Info for manual annotations of cluster BC1:

- Start number 11 was manually annotated 1 time for cluster BC1.
- Start number 13 was manually annotated 3 times for cluster BC1.

Info for manual annotations of cluster BC2:

- Start number 11 was manually annotated 1 time for cluster BC2.
- Start number 13 was manually annotated 1 time for cluster BC2.

Info for manual annotations of cluster BC3:

- Start number 11 was manually annotated 4 times for cluster BC3.

Gene Information:

Gene: Austintatious_15 Start: 9069, Stop: 9727, Start Num: 11

Candidate Starts for Austintatious_15:

(6, 8949), (9, 9015), (Start: 11 @9069 has 6 MA's), (24, 9276), (33, 9402),

Gene: Bioscum_15 Start: 9105, Stop: 9763, Start Num: 11

Candidate Starts for Bioscum_15:

(6, 8985), (9, 9051), (Start: 11 @9105 has 6 MA's), (24, 9312), (33, 9438),

Gene: Darolandstone_15 Start: 9538, Stop: 10199, Start Num: 13

Candidate Starts for Darolandstone_15:

(4, 9346), (6, 9412), (7, 9421), (8, 9427), (9, 9478), (Start: 13 @9538 has 4 MA's), (21, 9712), (26, 9760), (28, 9802), (32, 9868), (33, 9874),

Gene: Ididsumtinwong_15 Start: 9105, Stop: 9763, Start Num: 11

Candidate Starts for Ididsumtinwong_15:

(6, 8985), (9, 9051), (Start: 11 @9105 has 6 MA's), (24, 9312), (33, 9438),

Gene: Mojerita_15 Start: 9391, Stop: 10061, Start Num: 13

Candidate Starts for Mojerita_15:

(1, 8956), (2, 8998), (3, 9025), (4, 9196), (6, 9262), (7, 9271), (8, 9277), (9, 9328), (Start: 13 @9391 has 4 MA's), (14, 9499), (15, 9505), (18, 9559), (26, 9625), (28, 9667), (30, 9697), (33, 9739), (35, 9943),

Gene: PapayaSalad_14 Start: 9074, Stop: 9732, Start Num: 11

Candidate Starts for PapayaSalad_14:

(Start: 11 @9074 has 6 MA's), (24, 9281), (33, 9407),

Gene: Picard_15 Start: 9391, Stop: 10055, Start Num: 13

Candidate Starts for Picard_15:

(1, 8956), (2, 8998), (3, 9025), (4, 9196), (6, 9262), (7, 9271), (8, 9277), (9, 9328), (Start: 13 @9391 has 4 MA's), (14, 9493), (15, 9499), (18, 9553), (26, 9619), (28, 9661), (30, 9691), (33, 9733), (35, 9937),

Gene: Raleigh_15 Start: 9511, Stop: 10196, Start Num: 11

Candidate Starts for Raleigh_15:

(4, 9322), (5, 9364), (6, 9388), (7, 9397), (9, 9454), (10, 9475), (Start: 11 @9511 has 6 MA's), (17, 9676), (20, 9691), (21, 9700), (23, 9727), (24, 9736), (28, 9790), (29, 9814), (33, 9862), (34, 10045),

Gene: SoJo_15 Start: 9306, Stop: 10000, Start Num: 11

Candidate Starts for SoJo_15:

(4, 9117), (5, 9159), (6, 9183), (7, 9192), (9, 9249), (10, 9270), (Start: 11 @9306 has 6 MA's), (16, 9450), (17, 9474), (19, 9483), (21, 9498), (24, 9534), (25, 9537), (27, 9570), (28, 9588), (29, 9612), (31, 9636), (32, 9654), (33, 9660), (34, 9849),

Gene: ToastyFinz_14 Start: 9174, Stop: 9850, Start Num: 13

Candidate Starts for ToastyFinz_14:

(6, 9036), (7, 9045), (9, 9102), (12, 9168), (Start: 13 @9174 has 4 MA's), (18, 9339), (22, 9360), (28, 9447), (30, 9477), (32, 9513),