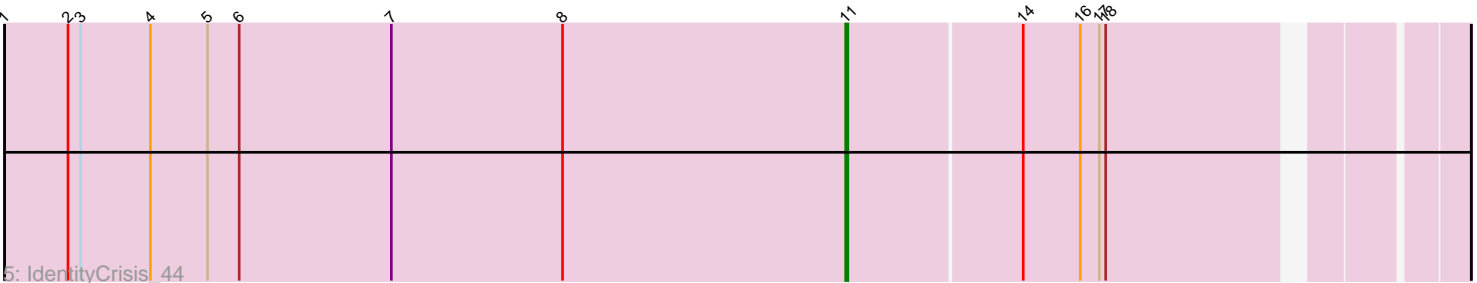
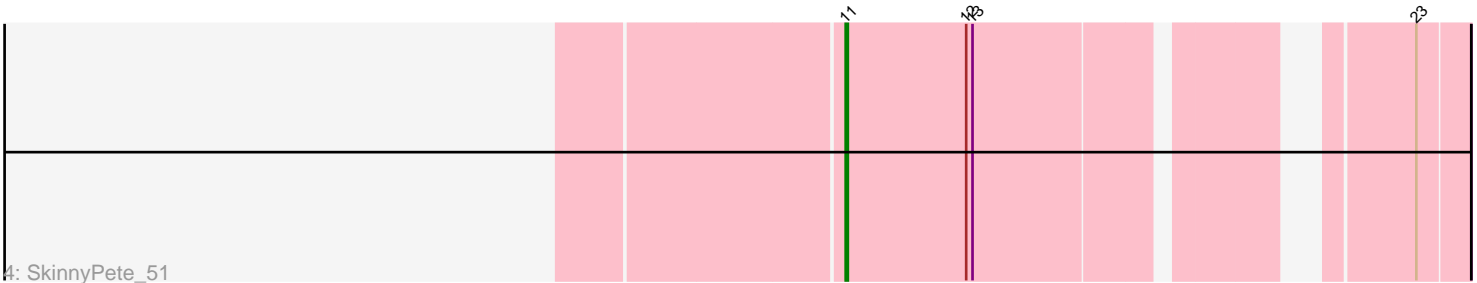
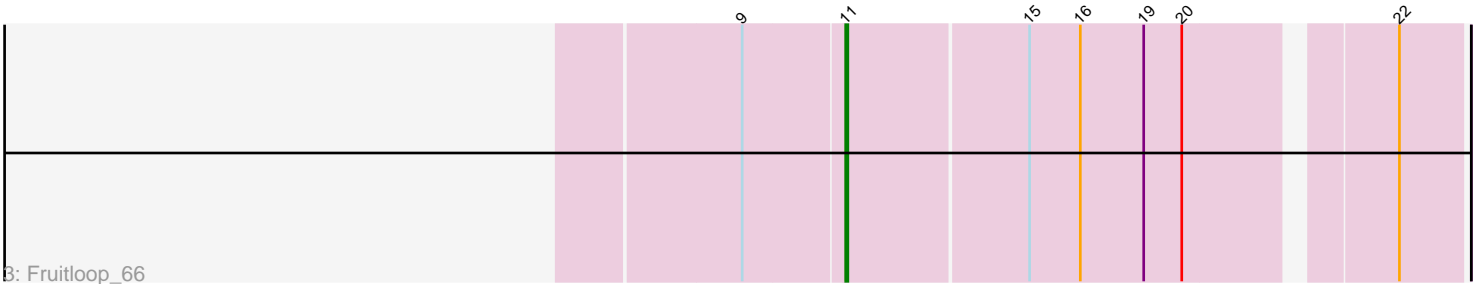
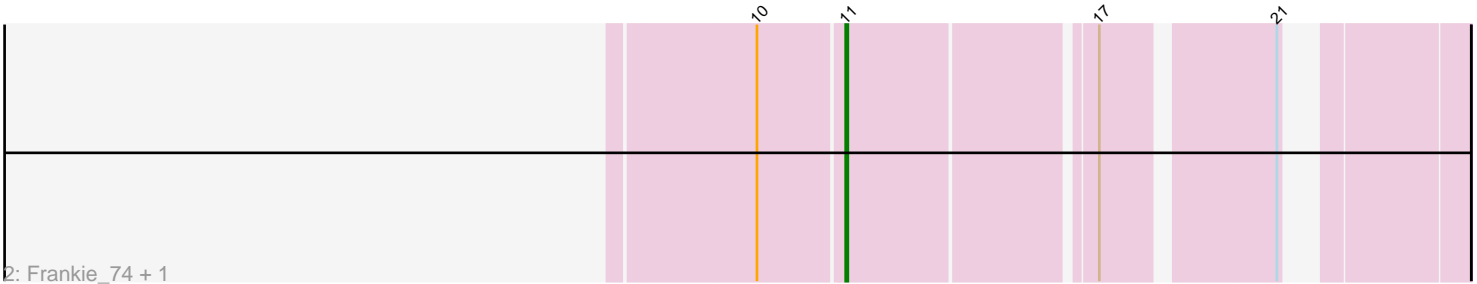
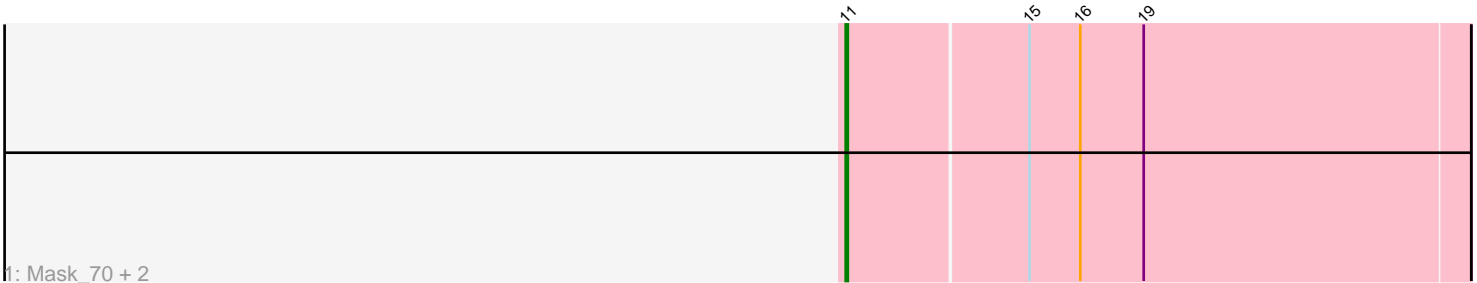


Pham 143095



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 143095 Report

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

Pham number 143095 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Mask\_70, Rita\_68, Sejanus\_69
- Track 2 : Frankie\_74, LilSpotty\_68
- Track 3 : Fruitloop\_66
- Track 4 : SkinnyPete\_51
- Track 5 : IdentityCrisis\_44

### ***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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Frankie\_74, Fruitloop\_66, IdentityCrisis\_44, LilSpotty\_68, Mask\_70, Rita\_68, Sejanus\_69, SkinnyPete\_51,

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

- 

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

- 

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

Start 11:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frankie\_74 (F1), Fruitloop\_66 (F1), IdentityCrisis\_44 (singleton), LilSpotty\_68 (singleton), Mask\_70 (AD), Rita\_68 (F1), Sejanus\_69 (AD), SkinnyPete\_51 (N),

### **Summary by clusters:**

There are 4 clusters represented in this pham: F1, singleton, AD, N,

Info for manual annotations of cluster AD:

- Start number 11 was manually annotated 2 times for cluster AD.

Info for manual annotations of cluster F1:

- Start number 11 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster N:

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

### ***Gene Information:***

Gene: Frankie\_74 Start: 45417, Stop: 45665, Start Num: 11

Candidate Starts for Frankie\_74:

(10, 45381), (Start: 11 @45417 has 8 MA's), (17, 45525), (21, 45597),

Gene: Fruitloop\_66 Start: 44454, Stop: 44726, Start Num: 11

Candidate Starts for Fruitloop\_66:

(9, 44409), (Start: 11 @44454 has 8 MA's), (15, 44538), (16, 44562), (19, 44592), (20, 44610), (22, 44697),

Gene: IdentityCrisis\_44 Start: 29475, Stop: 29744, Start Num: 11

Candidate Starts for IdentityCrisis\_44:

(1, 29079), (2, 29109), (3, 29115), (4, 29148), (5, 29175), (6, 29190), (7, 29262), (8, 29343), (Start: 11 @29475 has 8 MA's), (14, 29556), (16, 29583), (17, 29592), (18, 29595),

Gene: LilSpotty\_68 Start: 41817, Stop: 42065, Start Num: 11

Candidate Starts for LilSpotty\_68:

(10, 41781), (Start: 11 @41817 has 8 MA's), (17, 41925), (21, 41997),

Gene: Mask\_70 Start: 54286, Stop: 54576, Start Num: 11

Candidate Starts for Mask\_70:

(Start: 11 @54286 has 8 MA's), (15, 54370), (16, 54394), (19, 54424),

Gene: Rita\_68 Start: 41234, Stop: 41524, Start Num: 11

Candidate Starts for Rita\_68:

(Start: 11 @41234 has 8 MA's), (15, 41318), (16, 41342), (19, 41372),

Gene: Sejanus\_69 Start: 52747, Stop: 53037, Start Num: 11

Candidate Starts for Sejanus\_69:

(Start: 11 @52747 has 8 MA's), (15, 52831), (16, 52855), (19, 52885),

Gene: SkinnyPete\_51 Start: 34230, Stop: 34484, Start Num: 11

Candidate Starts for SkinnyPete\_51:

(Start: 11 @34230 has 8 MA's), (12, 34287), (13, 34290), (23, 34461),