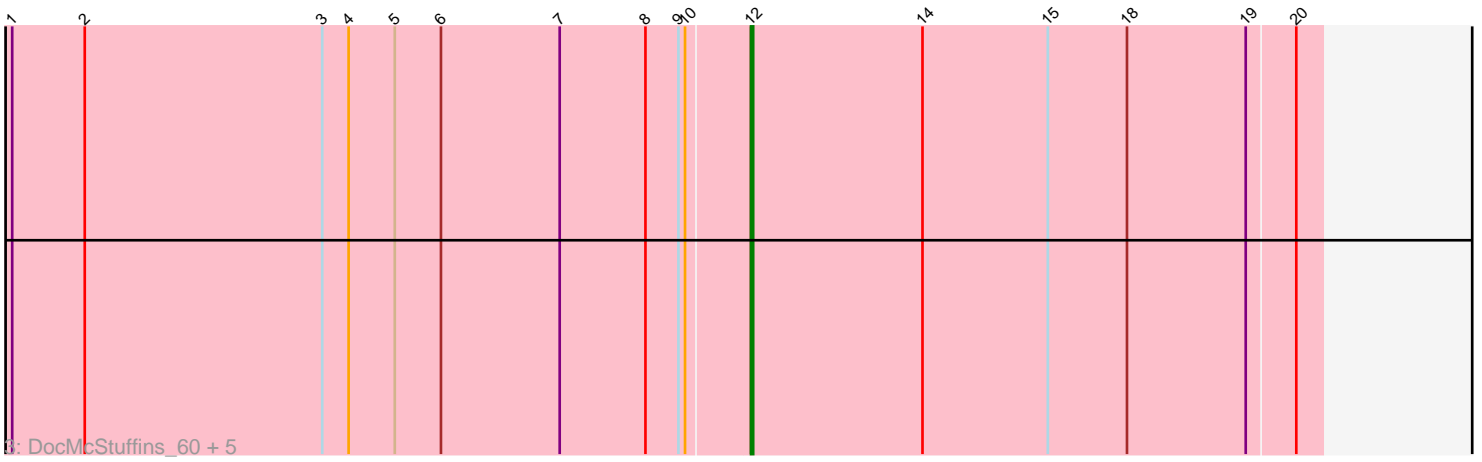
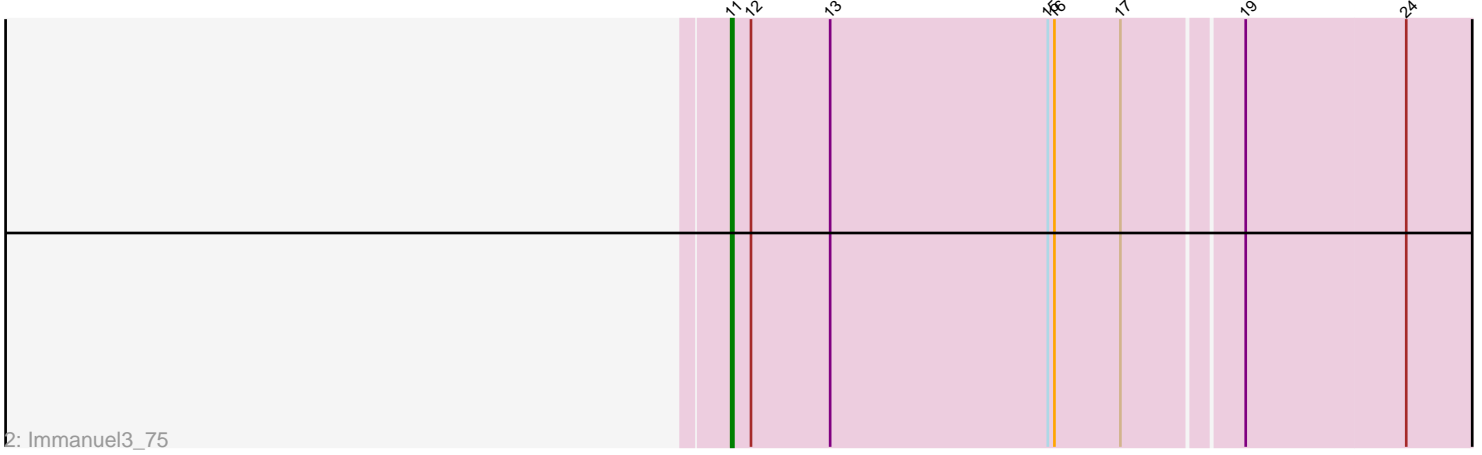
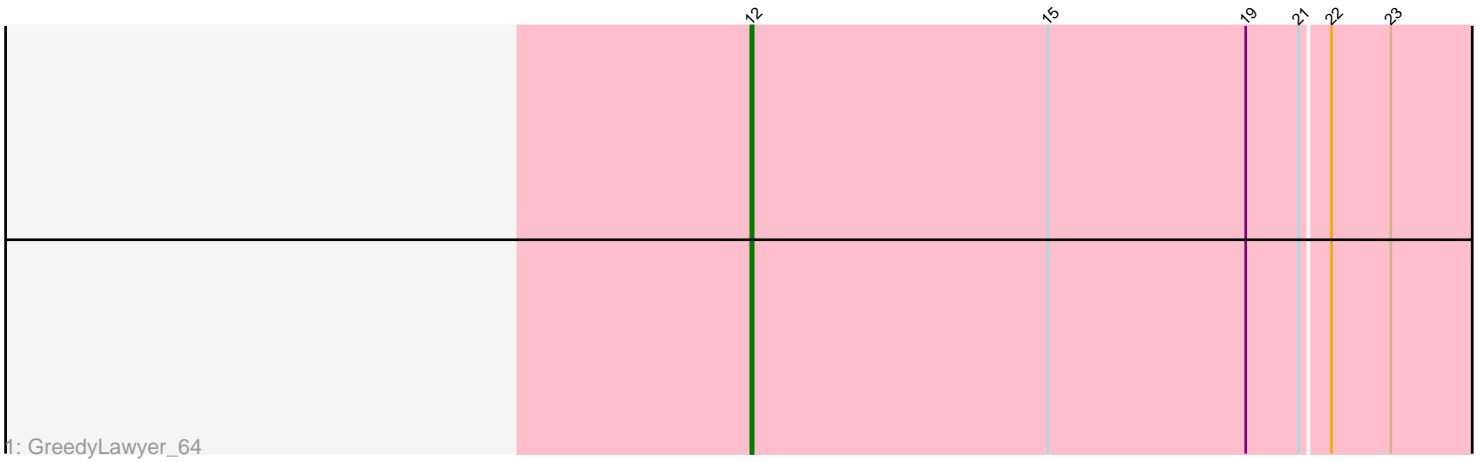


Pham 158425



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 158425 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158425 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : GreedyLawyer\_64
- Track 2 : Immanuel3\_75
- Track 3 : DocMcStuffins\_60, Piper2020\_62, Awesomesauce\_61, Misha28\_59, ChickenDinner\_63, TootsiePop\_59

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Awesomesauce\_61, ChickenDinner\_63, DocMcStuffins\_60, GreedyLawyer\_64, Misha28\_59, Piper2020\_62, TootsiePop\_59,

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

- Immanuel3\_75,

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

- 

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

Start 11:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Immanuel3\_75 (BF),

Start 12:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Awesomesauce\_61 (F1), ChickenDinner\_63 (F1), DocMcStuffins\_60 (F1), GreedyLawyer\_64 (A6),

Misha28\_59 (F1), Piper2020\_62 (F1), TootsiePop\_59 (F1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: F1, BF, A6,

Info for manual annotations of cluster A6:

- Start number 12 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster BF:

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

Info for manual annotations of cluster F1:

- Start number 12 was manually annotated 4 times for cluster F1.

### **Gene Information:**

Gene: Awesomesauce\_61 Start: 38985, Stop: 39242, Start Num: 12

Candidate Starts for Awesomesauce\_61:

(1, 38652), (2, 38685), (3, 38793), (4, 38805), (5, 38826), (6, 38847), (7, 38901), (8, 38940), (9, 38955), (10, 38958), (Start: 12 @38985 has 5 MA's), (14, 39063), (15, 39120), (18, 39156), (19, 39210), (20, 39231),

Gene: ChickenDinner\_63 Start: 39902, Stop: 40159, Start Num: 12

Candidate Starts for ChickenDinner\_63:

(1, 39569), (2, 39602), (3, 39710), (4, 39722), (5, 39743), (6, 39764), (7, 39818), (8, 39857), (9, 39872), (10, 39875), (Start: 12 @39902 has 5 MA's), (14, 39980), (15, 40037), (18, 40073), (19, 40127), (20, 40148),

Gene: DocMcStuffins\_60 Start: 39902, Stop: 40159, Start Num: 12

Candidate Starts for DocMcStuffins\_60:

(1, 39569), (2, 39602), (3, 39710), (4, 39722), (5, 39743), (6, 39764), (7, 39818), (8, 39857), (9, 39872), (10, 39875), (Start: 12 @39902 has 5 MA's), (14, 39980), (15, 40037), (18, 40073), (19, 40127), (20, 40148),

Gene: GreedyLawyer\_64 Start: 39653, Stop: 39324, Start Num: 12

Candidate Starts for GreedyLawyer\_64:

(Start: 12 @39653 has 5 MA's), (15, 39518), (19, 39428), (21, 39404), (22, 39392), (23, 39365),

Gene: Immanuel3\_75 Start: 39592, Stop: 39245, Start Num: 11

Candidate Starts for Immanuel3\_75:

(Start: 11 @39592 has 1 MA's), (Start: 12 @39583 has 5 MA's), (13, 39547), (15, 39448), (16, 39445), (17, 39415), (19, 39364), (24, 39292),

Gene: Misha28\_59 Start: 38990, Stop: 39247, Start Num: 12

Candidate Starts for Misha28\_59:

(1, 38657), (2, 38690), (3, 38798), (4, 38810), (5, 38831), (6, 38852), (7, 38906), (8, 38945), (9, 38960), (10, 38963), (Start: 12 @38990 has 5 MA's), (14, 39068), (15, 39125), (18, 39161), (19, 39215), (20, 39236),

Gene: Piper2020\_62 Start: 39885, Stop: 40142, Start Num: 12

Candidate Starts for Piper2020\_62:

(1, 39552), (2, 39585), (3, 39693), (4, 39705), (5, 39726), (6, 39747), (7, 39801), (8, 39840), (9, 39855), (10, 39858), (Start: 12 @39885 has 5 MA's), (14, 39963), (15, 40020), (18, 40056), (19, 40110), (20, 40131),

Gene: TootsiePop\_59 Start: 38990, Stop: 39247, Start Num: 12

Candidate Starts for TootsiePop\_59:

(1, 38657), (2, 38690), (3, 38798), (4, 38810), (5, 38831), (6, 38852), (7, 38906), (8, 38945), (9, 38960), (10, 38963), (Start: 12 @38990 has 5 MA's), (14, 39068), (15, 39125), (18, 39161), (19, 39215), (20, 39236),