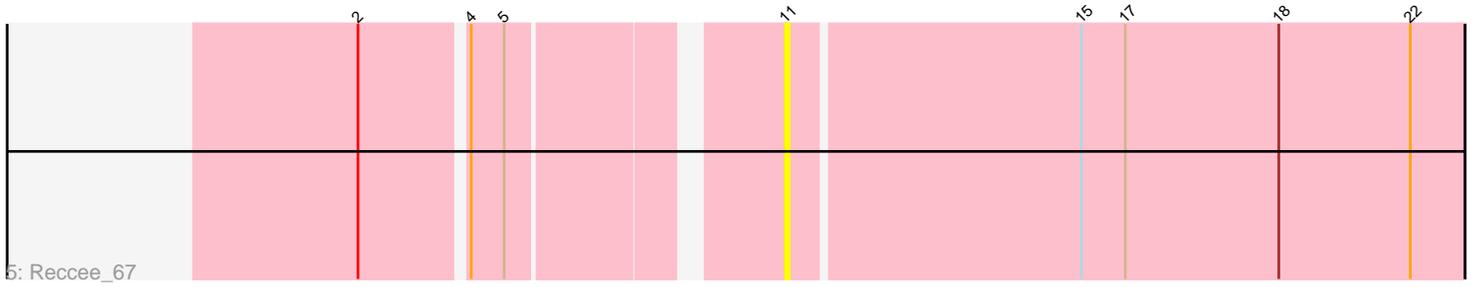
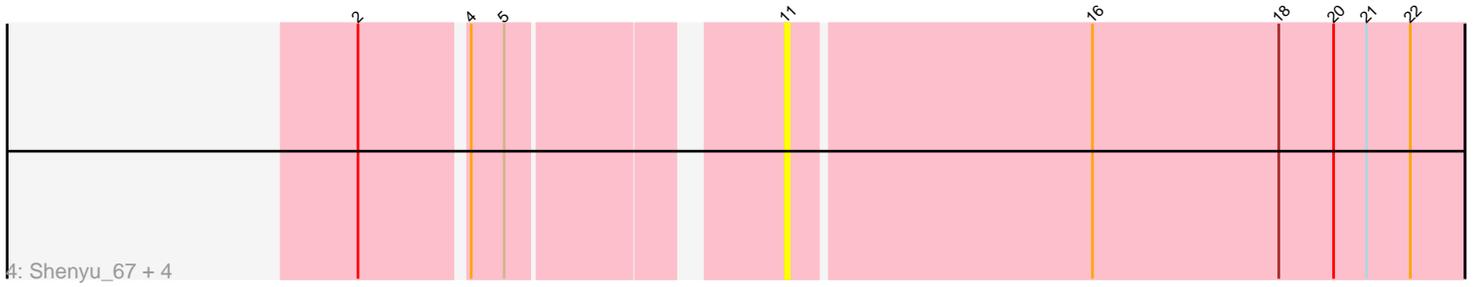
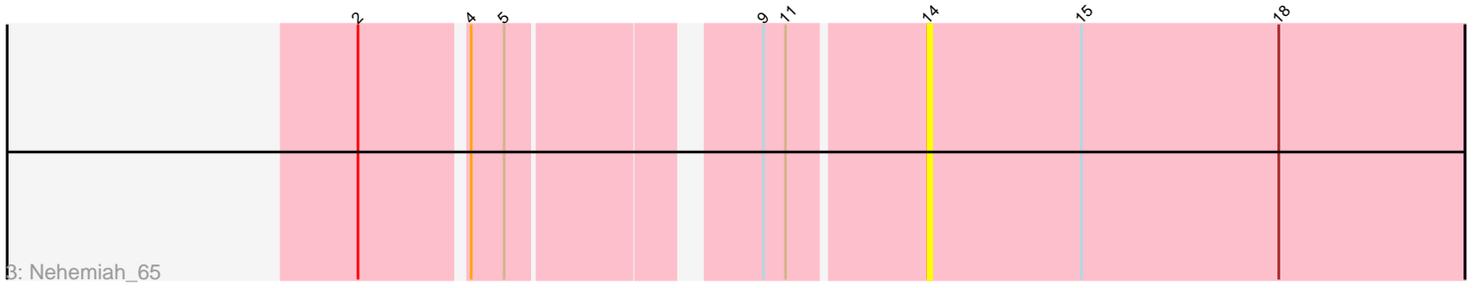
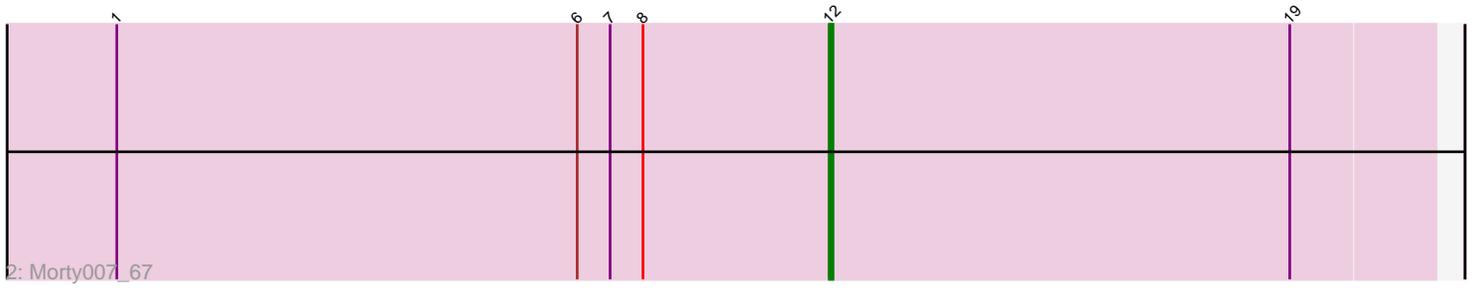
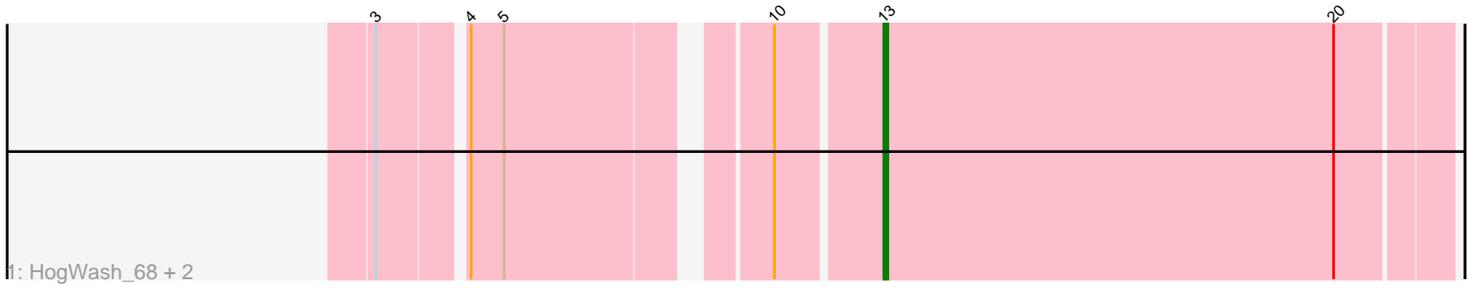


# Pham 284380



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 284380 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284380 has 11 members, 9 are drafts.

Phages represented in each track:

- Track 1 : HogWash\_68, Aonishiki\_70, Eugenia\_68
- Track 2 : Morty007\_67
- Track 3 : Nehemiah\_65
- Track 4 : Shenyu\_67, KarasumaRum\_66, Nangang\_66, StinkyVeggy\_66, DigitDog\_67
- Track 5 : Reccee\_67

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

The start number called the most often in the published annotations is 13, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aonishiki\_70, Eugenia\_68, HogWash\_68,

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

- 

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

- DigitDog\_67, KarasumaRum\_66, Morty007\_67, Nangang\_66, Nehemiah\_65, Reccee\_67, Shenyu\_67, StinkyVeggy\_66,

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

Start 11:

- Found in 7 of 11 ( 63.6% ) of genes in pham
- No Manual Annotations of this start.
- Called 85.7% of time when present
- Phage (with cluster) where this start called: DigitDog\_67 (B5), KarasumaRum\_66 (B5), Nangang\_66 (B5), Reccee\_67 (B5), Shenyu\_67 (B5), StinkyVeggy\_66 (B5),

Start 12:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 2

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Morty007\_67 (B3),

Start 13:

- Found in 3 of 11 ( 27.3% ) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aonishiki\_70 (B1), Eugenia\_68 (B1), HogWash\_68 (B1),

Start 14:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nehemiah\_65 (B5),

### **Summary by clusters:**

There are 3 clusters represented in this pham: B5, B1, B3,

Info for manual annotations of cluster B1:

- Start number 13 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B3:

- Start number 12 was manually annotated 1 time for cluster B3.

### **Gene Information:**

Gene: Aonishiki\_70 Start: 57199, Stop: 57351, Start Num: 13

Candidate Starts for Aonishiki\_70:

(3, 57079), (4, 57100), (5, 57109), (10, 57172), (Start: 13 @57199 has 1 MA's), (20, 57322),

Gene: DigitDog\_67 Start: 58467, Stop: 58649, Start Num: 11

Candidate Starts for DigitDog\_67:

(2, 58365), (4, 58392), (5, 58401), (11, 58467), (16, 58548), (18, 58599), (20, 58614), (21, 58623), (22, 58635),

Gene: Eugenia\_68 Start: 57577, Stop: 57729, Start Num: 13

Candidate Starts for Eugenia\_68:

(3, 57457), (4, 57478), (5, 57487), (10, 57550), (Start: 13 @57577 has 1 MA's), (20, 57700),

Gene: HogWash\_68 Start: 57799, Stop: 57951, Start Num: 13

Candidate Starts for HogWash\_68:

(3, 57679), (4, 57700), (5, 57709), (10, 57772), (Start: 13 @57799 has 1 MA's), (20, 57922),

Gene: KarasumaRum\_66 Start: 58294, Stop: 58476, Start Num: 11

Candidate Starts for KarasumaRum\_66:

(2, 58192), (4, 58219), (5, 58228), (11, 58294), (16, 58375), (18, 58426), (20, 58441), (21, 58450), (22, 58462),

Gene: Morty007\_67 Start: 58277, Stop: 58441, Start Num: 12

Candidate Starts for Morty007\_67:

(1, 58082), (6, 58208), (7, 58217), (8, 58226), (Start: 12 @58277 has 1 MA's), (19, 58403),

Gene: Nangang\_66 Start: 58493, Stop: 58675, Start Num: 11

Candidate Starts for Nangang\_66:

(2, 58391), (4, 58418), (5, 58427), (11, 58493), (16, 58574), (18, 58625), (20, 58640), (21, 58649), (22, 58661),

Gene: Nehemiah\_65 Start: 58285, Stop: 58431, Start Num: 14

Candidate Starts for Nehemiah\_65:

(2, 58147), (4, 58174), (5, 58183), (9, 58243), (11, 58249), (14, 58285), (15, 58327), (18, 58381),

Gene: Reccee\_67 Start: 58488, Stop: 58670, Start Num: 11

Candidate Starts for Reccee\_67:

(2, 58386), (4, 58413), (5, 58422), (11, 58488), (15, 58566), (17, 58578), (18, 58620), (22, 58656),

Gene: Shenyu\_67 Start: 58862, Stop: 59044, Start Num: 11

Candidate Starts for Shenyu\_67:

(2, 58760), (4, 58787), (5, 58796), (11, 58862), (16, 58943), (18, 58994), (20, 59009), (21, 59018), (22, 59030),

Gene: StinkyVeggy\_66 Start: 58294, Stop: 58476, Start Num: 11

Candidate Starts for StinkyVeggy\_66:

(2, 58192), (4, 58219), (5, 58228), (11, 58294), (16, 58375), (18, 58426), (20, 58441), (21, 58450), (22, 58462),