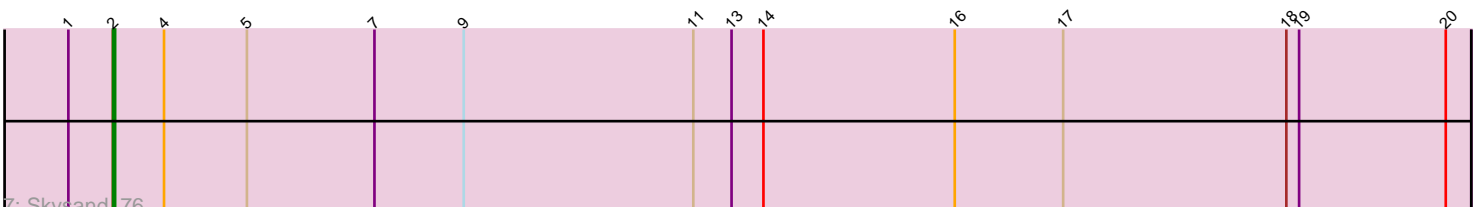
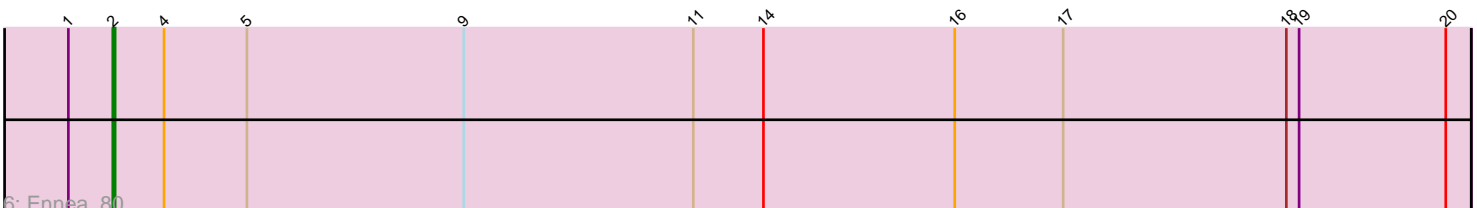
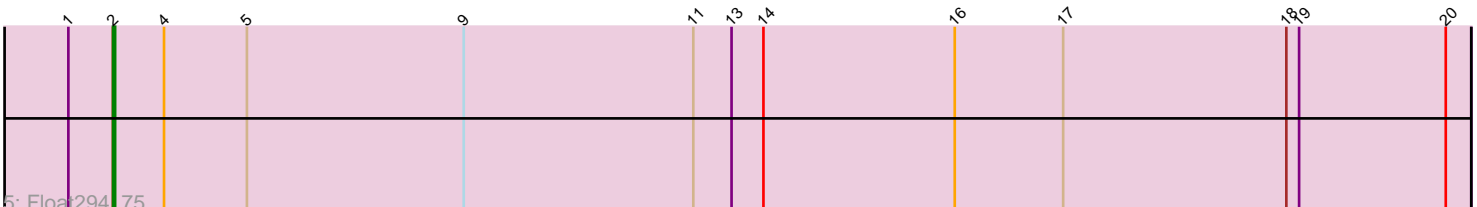
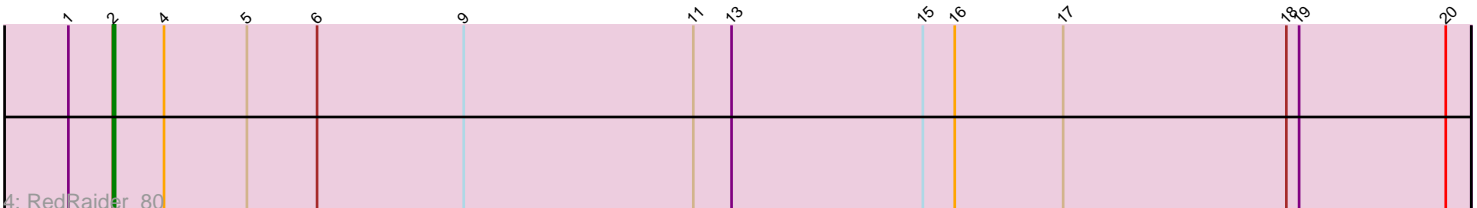
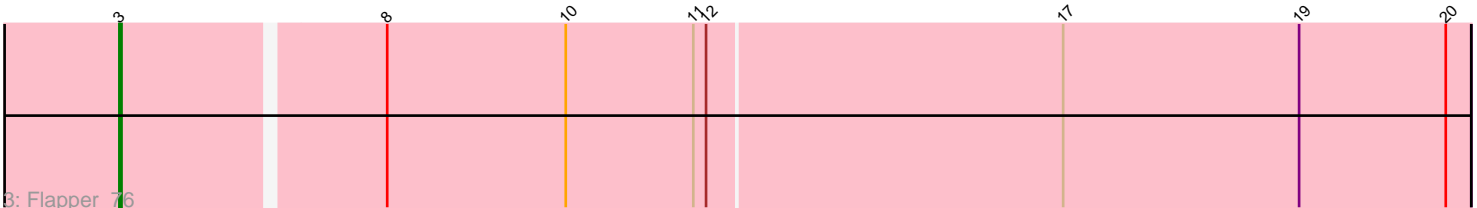
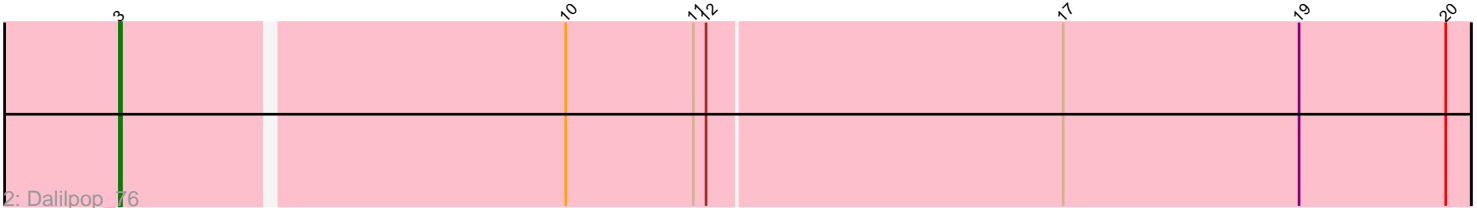
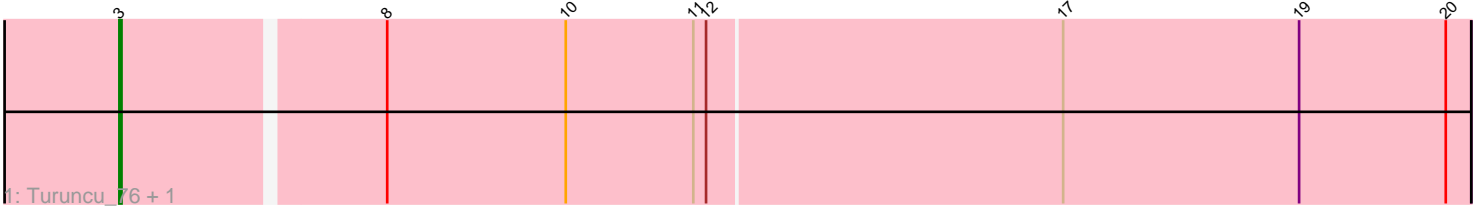


Pham 281206



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 281206 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281206 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Turuncu\_76, GTE5\_61
- Track 2 : Dalilpop\_76
- Track 3 : Flapper\_76
- Track 4 : RedRaider\_80
- Track 5 : Float294\_75
- Track 6 : Ennea\_80
- Track 7 : Skysand\_76

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ennea\_80, Float294\_75, RedRaider\_80, Skysand\_76,

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

- 

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

- Dalilpop\_76, Flapper\_76, GTE5\_61, Turuncu\_76,

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

Start 2:

- Found in 4 of 8 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ennea\_80 (CR3), Float294\_75 (CR3), RedRaider\_80 (CR3), Skysand\_76 (CR3),

Start 3:

- Found in 4 of 8 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 3 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dalilpop\_76 (CR1), Flapper\_76 (CR1), GTE5\_61 (CR1), Turuncu\_76 (CR1),

### **Summary by clusters:**

There are 2 clusters represented in this pham: CR3, CR1,

Info for manual annotations of cluster CR1:

- Start number 3 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR3:

- Start number 2 was manually annotated 4 times for cluster CR3.

### **Gene Information:**

Gene: Dalilpop\_76 Start: 57918, Stop: 57295, Start Num: 3

Candidate Starts for Dalilpop\_76:

(Start: 3 @57918 has 3 MA's), (10, 57717), (11, 57657), (12, 57651), (17, 57486), (19, 57375), (20, 57306),

Gene: Ennea\_80 Start: 58385, Stop: 57747, Start Num: 2

Candidate Starts for Ennea\_80:

(1, 58406), (Start: 2 @58385 has 4 MA's), (4, 58361), (5, 58322), (9, 58220), (11, 58112), (14, 58079), (16, 57989), (17, 57938), (18, 57833), (19, 57827), (20, 57758),

Gene: Flapper\_76 Start: 57471, Stop: 56848, Start Num: 3

Candidate Starts for Flapper\_76:

(Start: 3 @57471 has 3 MA's), (8, 57354), (10, 57270), (11, 57210), (12, 57204), (17, 57039), (19, 56928), (20, 56859),

Gene: Float294\_75 Start: 58291, Stop: 57653, Start Num: 2

Candidate Starts for Float294\_75:

(1, 58312), (Start: 2 @58291 has 4 MA's), (4, 58267), (5, 58228), (9, 58126), (11, 58018), (13, 58000), (14, 57985), (16, 57895), (17, 57844), (18, 57739), (19, 57733), (20, 57664),

Gene: GTE5\_61 Start: 50149, Stop: 49526, Start Num: 3

Candidate Starts for GTE5\_61:

(Start: 3 @50149 has 3 MA's), (8, 50032), (10, 49948), (11, 49888), (12, 49882), (17, 49717), (19, 49606), (20, 49537),

Gene: RedRaider\_80 Start: 59423, Stop: 58785, Start Num: 2

Candidate Starts for RedRaider\_80:

(1, 59444), (Start: 2 @59423 has 4 MA's), (4, 59399), (5, 59360), (6, 59327), (9, 59258), (11, 59150), (13, 59132), (15, 59042), (16, 59027), (17, 58976), (18, 58871), (19, 58865), (20, 58796),

Gene: Skysand\_76 Start: 57785, Stop: 57147, Start Num: 2

Candidate Starts for Skysand\_76:

(1, 57806), (Start: 2 @57785 has 4 MA's), (4, 57761), (5, 57722), (7, 57662), (9, 57620), (11, 57512), (13, 57494), (14, 57479), (16, 57389), (17, 57338), (18, 57233), (19, 57227), (20, 57158),

Gene: Turuncu\_76 Start: 57293, Stop: 56670, Start Num: 3

Candidate Starts for Turuncu\_76:

(Start: 3 @57293 has 3 MA's), (8, 57176), (10, 57092), (11, 57032), (12, 57026), (17, 56861), (19, 56750), (20, 56681),