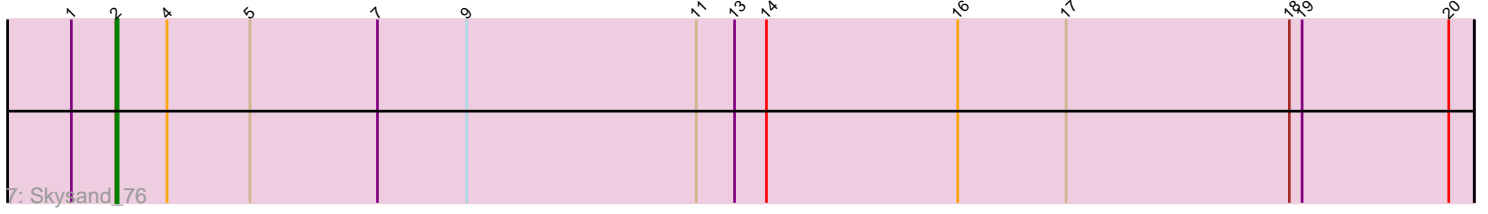
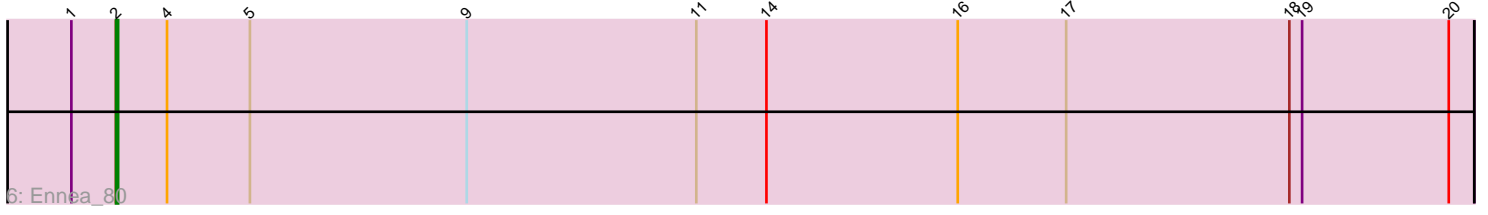
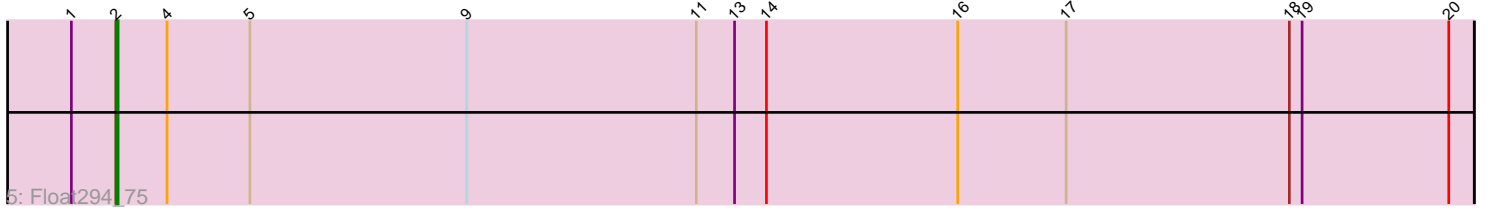
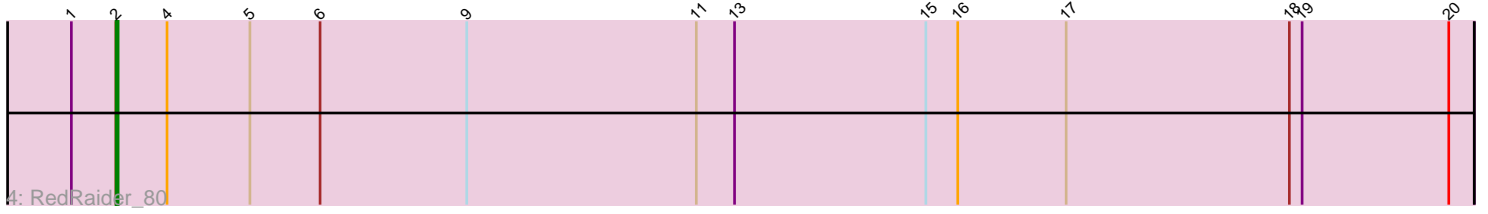
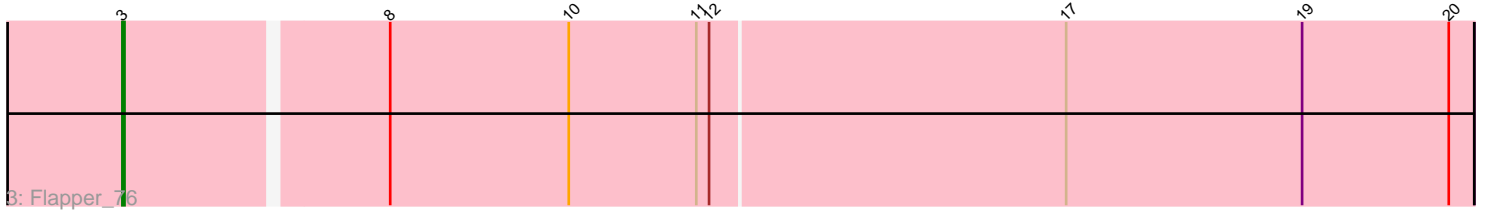
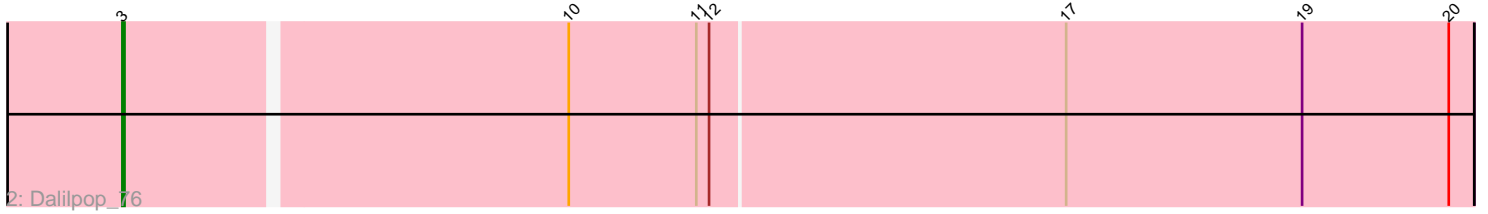
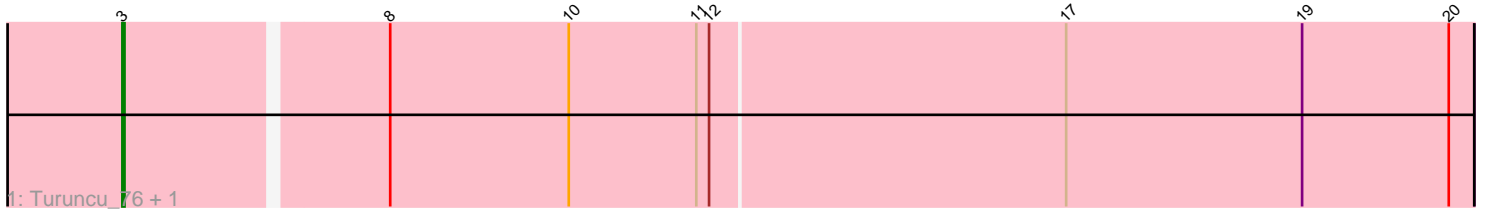


Pham 303925



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 303925 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303925 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),