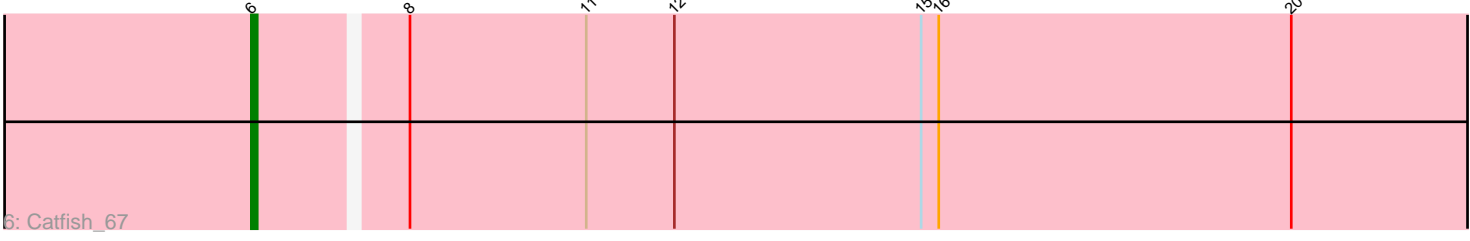
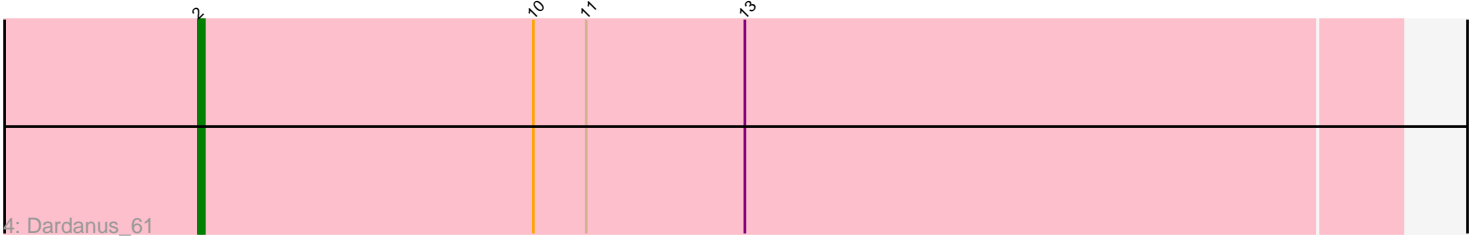
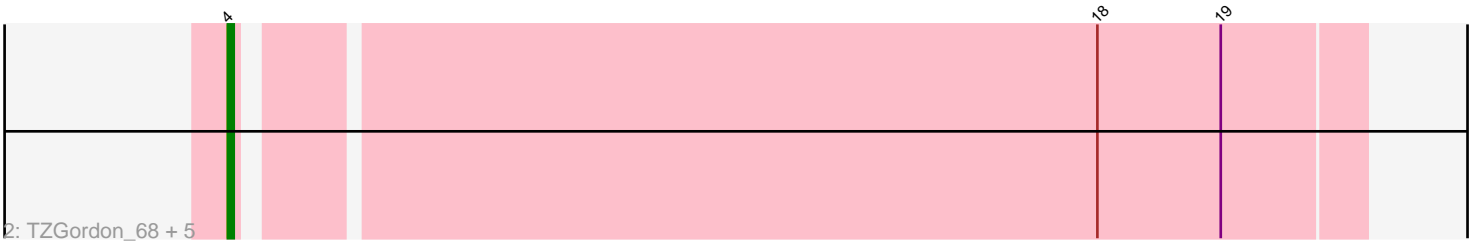


Pham 5311



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 5311 Report

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

Pham number 5311 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TinaLin_66, Banquo_66
- Track 2 : TZGordon_68, Splinter_67, Vendetta_67, Huff_67, Goib_67, DinoDaryn_67
- Track 3 : Gspu1_58
- Track 4 : Dardanus_61
- Track 5 : Schmidt_61
- Track 6 : Catfish_67

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Banquo_66, DinoDaryn_67, Goib_67, Huff_67, Splinter_67, TZGordon_68, TinaLin_66, Vendetta_67,

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

-

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

- Catfish_67, Dardanus_61, Gspu1_58, Schmidt_61,

Summary by start number:

Start 1:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Schmidt_61 (CU4),

Start 2:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 11

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dardanus_61 (CU3), Gsput1_58 (CU2),

Start 4:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 8 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo_66 (CU1), DinoDaryn_67 (CU1), Goib_67 (CU1), Huffy_67 (CU1), Splinter_67 (CU1), TZGordon_68 (CU1), TinaLin_66 (CU1), Vendetta_67 (CU1),

Start 6:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Catfish_67 (CU5),

Summary by clusters:

There are 5 clusters represented in this pham: CU5, CU4, CU3, CU2, CU1,

Info for manual annotations of cluster CU1:

- Start number 4 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 2 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 1 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 6 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_66 Start: 40732, Stop: 40917, Start Num: 4

Candidate Starts for Banquo_66:

(Start: 4 @40732 has 8 MA's), (18, 40873), (19, 40894),

Gene: Catfish_67 Start: 42804, Stop: 43010, Start Num: 6

Candidate Starts for Catfish_67:

(Start: 6 @42804 has 1 MA's), (8, 42828), (11, 42858), (12, 42873), (15, 42915), (16, 42918), (20, 42978),

Gene: Dardanus_61 Start: 38998, Stop: 39201, Start Num: 2

Candidate Starts for Dardanus_61:

(Start: 2 @38998 has 1 MA's), (10, 39055), (11, 39064), (13, 39091),

Gene: DinoDaryn_67 Start: 40847, Stop: 41032, Start Num: 4

Candidate Starts for DinoDaryn_67:

(Start: 4 @40847 has 8 MA's), (18, 40988), (19, 41009),

Gene: Goib_67 Start: 41960, Stop: 42145, Start Num: 4

Candidate Starts for Goib_67:

(Start: 4 @41960 has 8 MA's), (18, 42101), (19, 42122),

Gene: Gspu1_58 Start: 39429, Stop: 39635, Start Num: 2

Candidate Starts for Gspu1_58:

(Start: 2 @39429 has 1 MA's), (5, 39435), (9, 39468), (17, 39564), (18, 39576), (19, 39597),

Gene: Huff_67 Start: 40847, Stop: 41032, Start Num: 4

Candidate Starts for Huff_67:

(Start: 4 @40847 has 8 MA's), (18, 40988), (19, 41009),

Gene: Schmidt_61 Start: 38466, Stop: 38669, Start Num: 1

Candidate Starts for Schmidt_61:

(Start: 1 @38466 has 1 MA's), (3, 38472), (7, 38493), (8, 38502), (11, 38532), (14, 38586), (19, 38640),

Gene: Splinter_67 Start: 41932, Stop: 42117, Start Num: 4

Candidate Starts for Splinter_67:

(Start: 4 @41932 has 8 MA's), (18, 42073), (19, 42094),

Gene: TZGordon_68 Start: 40823, Stop: 41008, Start Num: 4

Candidate Starts for TZGordon_68:

(Start: 4 @40823 has 8 MA's), (18, 40964), (19, 40985),

Gene: TinaLin_66 Start: 40652, Stop: 40837, Start Num: 4

Candidate Starts for TinaLin_66:

(Start: 4 @40652 has 8 MA's), (18, 40793), (19, 40814),

Gene: Vendetta_67 Start: 41932, Stop: 42117, Start Num: 4

Candidate Starts for Vendetta_67:

(Start: 4 @41932 has 8 MA's), (18, 42073), (19, 42094),