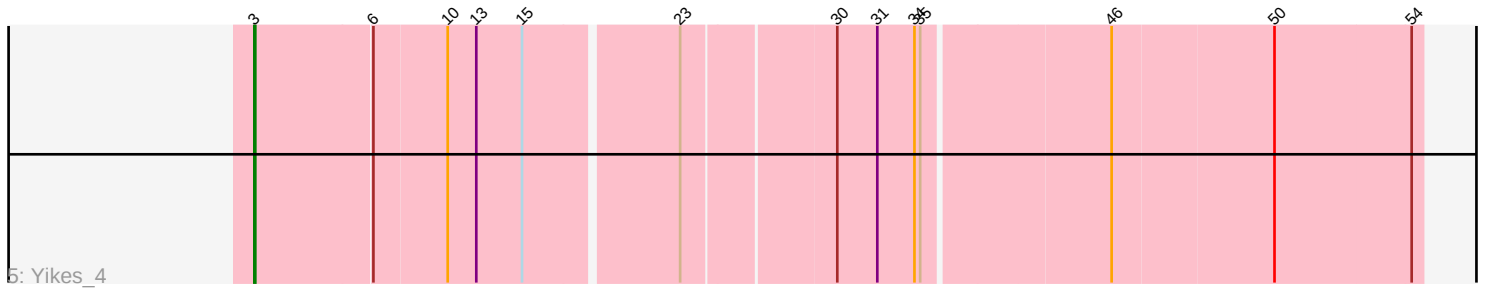
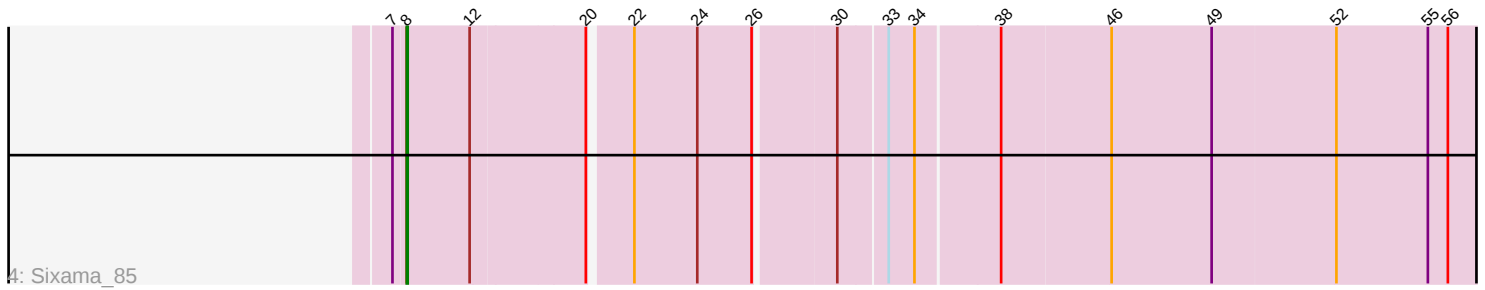
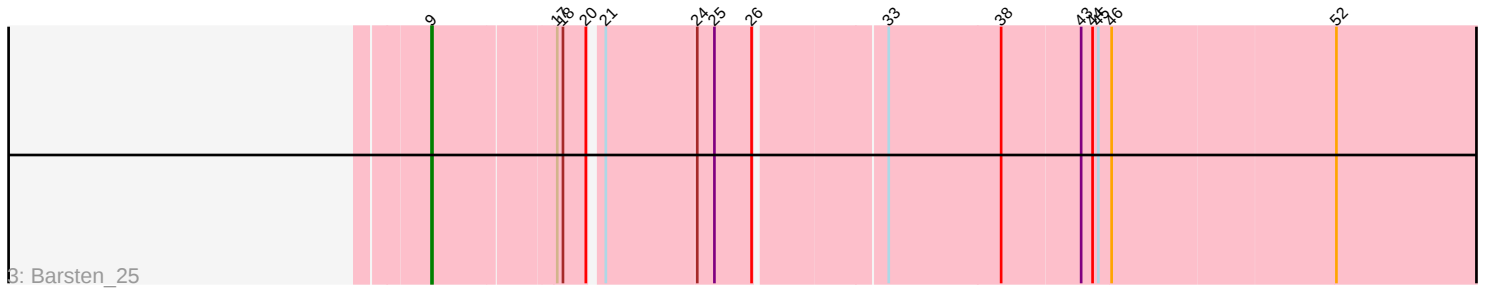
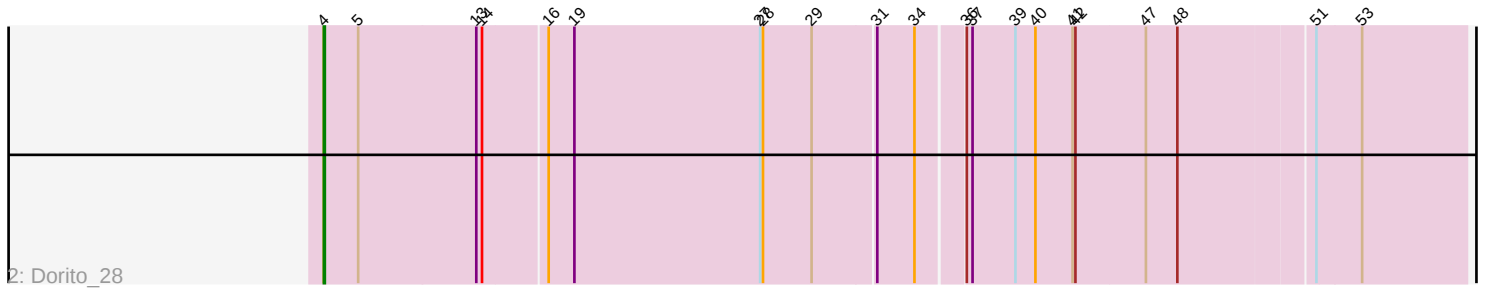
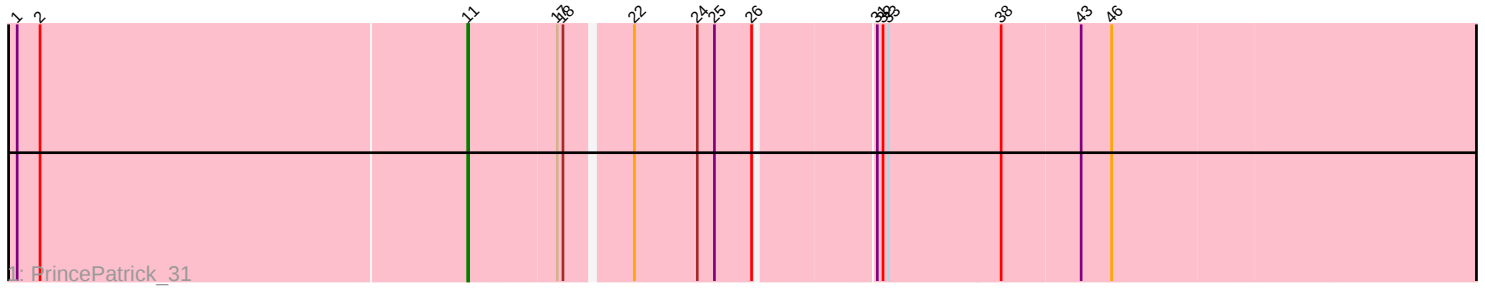


Pham 310251



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 310251 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310251 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : PrincePatrick_31
- Track 2 : Dorito_28
- Track 3 : Barsten_25
- Track 4 : Sixama_85
- Track 5 : Yikes_4

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

The start number called the most often in the published annotations is 11, it was called in 1 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- PrincePatrick_31,

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

-

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

- Barsten_25, Dorito_28, Sixama_85, Yikes_4,

Summary by start number:

Start 3:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yikes_4 (DV),

Start 4:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorito_28 (CZ4),

Start 8:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sixama_85 (DS),

Start 9:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barsten_25 (DE1),

Start 11:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PrincePatrick_31 (CV),

Summary by clusters:

There are 5 clusters represented in this pham: DV, DE1, CV, CZ4, DS,

Info for manual annotations of cluster CV:

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

Info for manual annotations of cluster CZ4:

- Start number 4 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DE1:

- Start number 9 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DS:

- Start number 8 was manually annotated 1 time for cluster DS.

Info for manual annotations of cluster DV:

- Start number 3 was manually annotated 1 time for cluster DV.

Gene Information:

Gene: Barsten_25 Start: 19565, Stop: 20623, Start Num: 9

Candidate Starts for Barsten_25:

(Start: 9 @19565 has 1 MA's), (17, 19685), (18, 19691), (20, 19715), (21, 19724), (24, 19817), (25, 19835), (26, 19874), (33, 20000), (38, 20117), (43, 20198), (44, 20210), (45, 20216), (46, 20228), (52, 20456),

Gene: Dorito_28 Start: 23324, Stop: 24502, Start Num: 4

Candidate Starts for Dorito_28:

(Start: 4 @23324 has 1 MA's), (5, 23360), (13, 23483), (14, 23489), (16, 23552), (19, 23579), (27, 23774), (28, 23777), (29, 23828), (31, 23891), (34, 23930), (36, 23975), (37, 23981), (39, 24026), (40, 24047), (41, 24086), (42, 24089), (47, 24161), (48, 24194), (51, 24329), (53, 24374),

Gene: PrincePatrick_31 Start: 25665, Stop: 26693, Start Num: 11

Candidate Starts for PrincePatrick_31:

(1, 25197), (2, 25221), (Start: 11 @25665 has 1 MA's), (17, 25755), (18, 25761), (22, 25824), (24, 25887), (25, 25905), (26, 25944), (31, 26058), (32, 26064), (33, 26070), (38, 26187), (43, 26268), (46, 26298),

Gene: Sixama_85 Start: 45584, Stop: 46669, Start Num: 8

Candidate Starts for Sixama_85:

(7, 45572), (Start: 8 @45584 has 1 MA's), (12, 45650), (20, 45764), (22, 45803), (24, 45866), (26, 45923), (30, 46001), (33, 46049), (34, 46076), (38, 46160), (46, 46271), (49, 46376), (52, 46502), (55, 46598), (56, 46619),

Gene: Yikes_4 Start: 3410, Stop: 4576, Start Num: 3

Candidate Starts for Yikes_4:

(Start: 3 @3410 has 1 MA's), (6, 3530), (10, 3605), (13, 3635), (15, 3683), (23, 3836), (30, 3986), (31, 4028), (34, 4067), (35, 4073), (46, 4259), (50, 4424), (54, 4565),