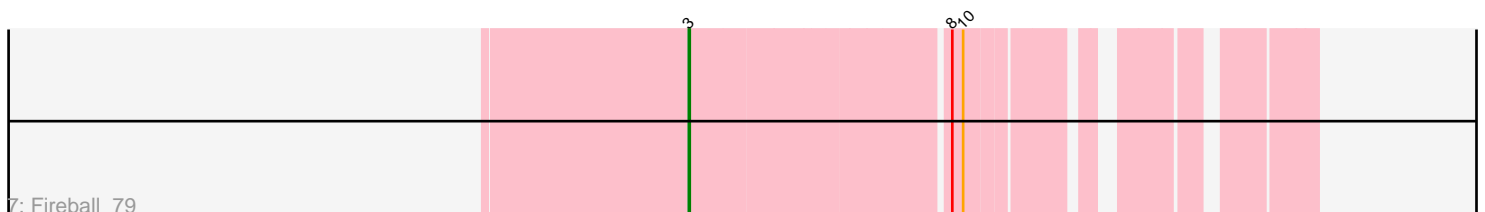
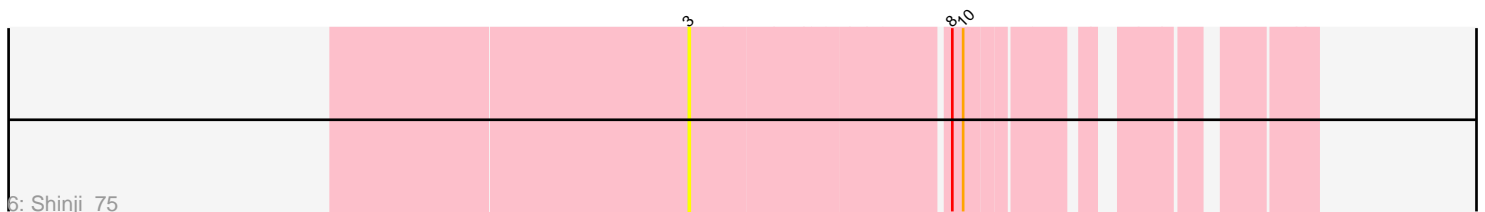
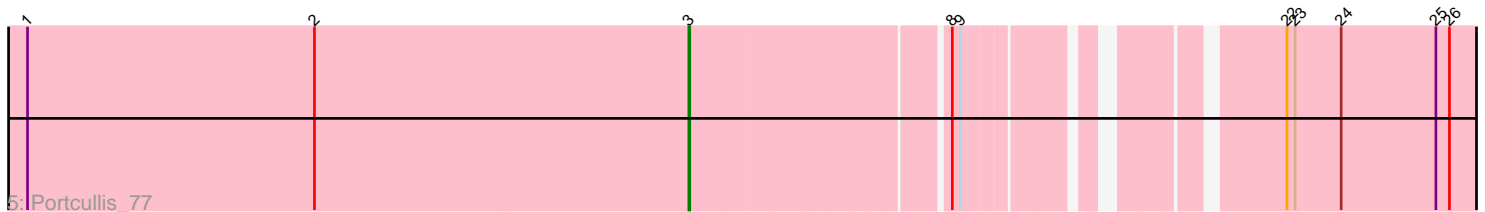
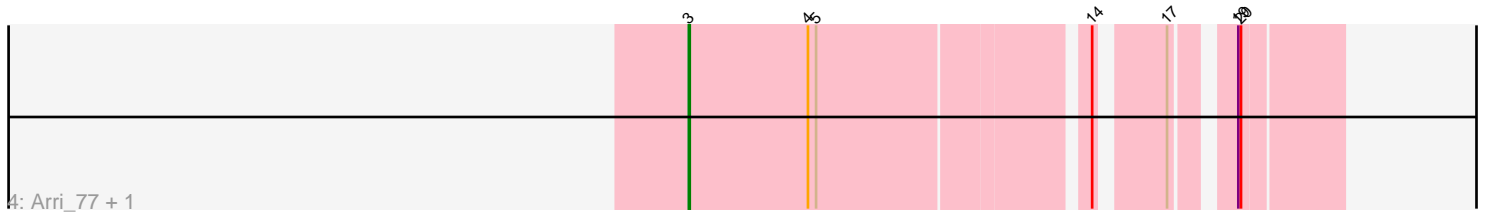
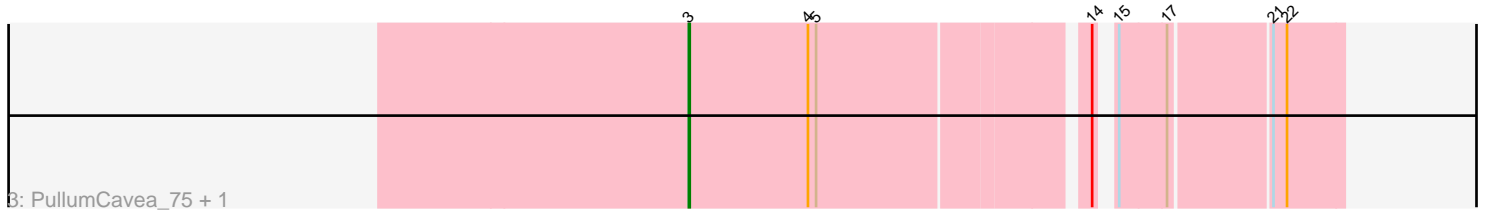
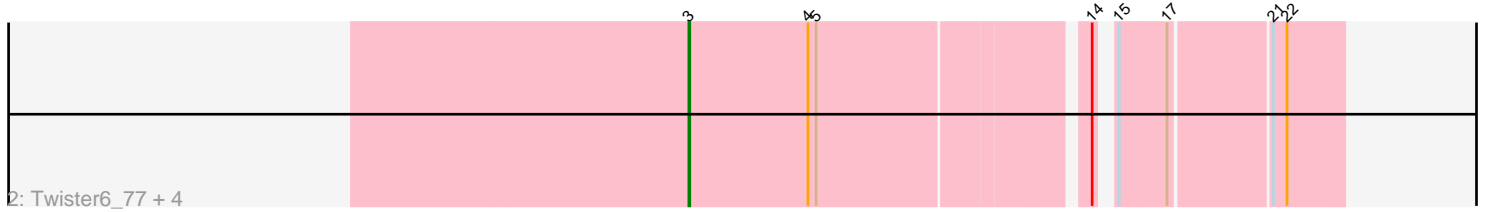
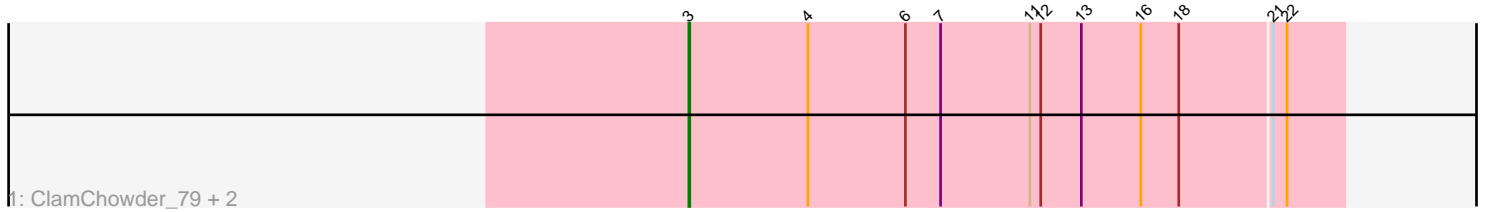


# Pham 171854



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 171854 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171854 has 15 members, 1 are drafts.

Phages represented in each track:

- Track 1 : ClamChowder\_79, Fugax\_80, Barb\_79
- Track 2 : Twister6\_77, Salvador\_76, Togo\_76, Evamon\_76, SmokingBunny\_77
- Track 3 : PullumCavea\_75, Phlop\_74
- Track 4 : Arri\_77, VanDeWege\_78
- Track 5 : Portcullis\_77
- Track 6 : Shinji\_75
- Track 7 : Fireball\_79

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

The start number called the most often in the published annotations is 3, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri\_77, Barb\_79, ClamChowder\_79, Evamon\_76, Fireball\_79, Fugax\_80, Phlop\_74, Portcullis\_77, PullumCavea\_75, Salvador\_76, Shinji\_75, SmokingBunny\_77, Togo\_76, Twister6\_77, VanDeWege\_78,

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

- 

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

- 

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

Start 3:

- Found in 15 of 15 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri\_77 (DC1), Barb\_79 (DC1), ClamChowder\_79 (DC1), Evamon\_76 (DC1), Fireball\_79 (DC1), Fugax\_80 (DC1), Phlop\_74 (DC1), Portcullis\_77 (DC1), PullumCavea\_75 (DC1), Salvador\_76 (DC1), Shinji\_75 (DC1), SmokingBunny\_77 (DC1), Togo\_76 (DC1), Twister6\_77 (DC1),

VanDeWege\_78 (DC1),

### **Summary by clusters:**

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:

•Start number 3 was manually annotated 14 times for cluster DC1.

### **Gene Information:**

Gene: Arri\_77 Start: 51472, Stop: 52107, Start Num: 3

Candidate Starts for Arri\_77:

(Start: 3 @51472 has 14 MA's), (4, 51604), (5, 51613), (14, 51889), (17, 51949), (19, 52000), (20, 52003),

Gene: Barb\_79 Start: 51582, Stop: 52301, Start Num: 3

Candidate Starts for Barb\_79:

(Start: 3 @51582 has 14 MA's), (4, 51714), (6, 51822), (7, 51861), (11, 51960), (12, 51972), (13, 52017), (16, 52083), (18, 52125), (21, 52224), (22, 52239),

Gene: ClamChowder\_79 Start: 51582, Stop: 52301, Start Num: 3

Candidate Starts for ClamChowder\_79:

(Start: 3 @51582 has 14 MA's), (4, 51714), (6, 51822), (7, 51861), (11, 51960), (12, 51972), (13, 52017), (16, 52083), (18, 52125), (21, 52224), (22, 52239),

Gene: Evamon\_76 Start: 51207, Stop: 51866, Start Num: 3

Candidate Starts for Evamon\_76:

(Start: 3 @51207 has 14 MA's), (4, 51339), (5, 51348), (14, 51624), (15, 51633), (17, 51684), (21, 51789), (22, 51804),

Gene: Fireball\_79 Start: 51878, Stop: 52453, Start Num: 3

Candidate Starts for Fireball\_79:

(Start: 3 @51878 has 14 MA's), (8, 52142), (10, 52154),

Gene: Fugax\_80 Start: 51574, Stop: 52293, Start Num: 3

Candidate Starts for Fugax\_80:

(Start: 3 @51574 has 14 MA's), (4, 51706), (6, 51814), (7, 51853), (11, 51952), (12, 51964), (13, 52009), (16, 52075), (18, 52117), (21, 52216), (22, 52231),

Gene: Phlop\_74 Start: 51091, Stop: 51750, Start Num: 3

Candidate Starts for Phlop\_74:

(Start: 3 @51091 has 14 MA's), (4, 51223), (5, 51232), (14, 51508), (15, 51517), (17, 51568), (21, 51673), (22, 51688),

Gene: Portcullis\_77 Start: 51178, Stop: 51966, Start Num: 3

Candidate Starts for Portcullis\_77:

(1, 50446), (2, 50764), (Start: 3 @51178 has 14 MA's), (8, 51439), (9, 51448), (22, 51724), (23, 51733), (24, 51784), (25, 51889), (26, 51904),

Gene: PullumCavea\_75 Start: 51268, Stop: 51927, Start Num: 3

Candidate Starts for PullumCavea\_75:

(Start: 3 @51268 has 14 MA's), (4, 51400), (5, 51409), (14, 51685), (15, 51694), (17, 51745), (21, 51850), (22, 51865),

Gene: Salvador\_76 Start: 51205, Stop: 51864, Start Num: 3

Candidate Starts for Salvador\_76:

(Start: 3 @51205 has 14 MA's), (4, 51337), (5, 51346), (14, 51622), (15, 51631), (17, 51682), (21, 51787), (22, 51802),

Gene: Shinji\_75 Start: 50870, Stop: 51445, Start Num: 3

Candidate Starts for Shinji\_75:

(Start: 3 @50870 has 14 MA's), (8, 51134), (10, 51146),

Gene: SmokingBunny\_77 Start: 52201, Stop: 52860, Start Num: 3

Candidate Starts for SmokingBunny\_77:

(Start: 3 @52201 has 14 MA's), (4, 52333), (5, 52342), (14, 52618), (15, 52627), (17, 52678), (21, 52783), (22, 52798),

Gene: Togo\_76 Start: 52201, Stop: 52860, Start Num: 3

Candidate Starts for Togo\_76:

(Start: 3 @52201 has 14 MA's), (4, 52333), (5, 52342), (14, 52618), (15, 52627), (17, 52678), (21, 52783), (22, 52798),

Gene: Twister6\_77 Start: 50550, Stop: 51209, Start Num: 3

Candidate Starts for Twister6\_77:

(Start: 3 @50550 has 14 MA's), (4, 50682), (5, 50691), (14, 50967), (15, 50976), (17, 51027), (21, 51132), (22, 51147),

Gene: VanDeWege\_78 Start: 51535, Stop: 52170, Start Num: 3

Candidate Starts for VanDeWege\_78:

(Start: 3 @51535 has 14 MA's), (4, 51667), (5, 51676), (14, 51952), (17, 52012), (19, 52063), (20, 52066),