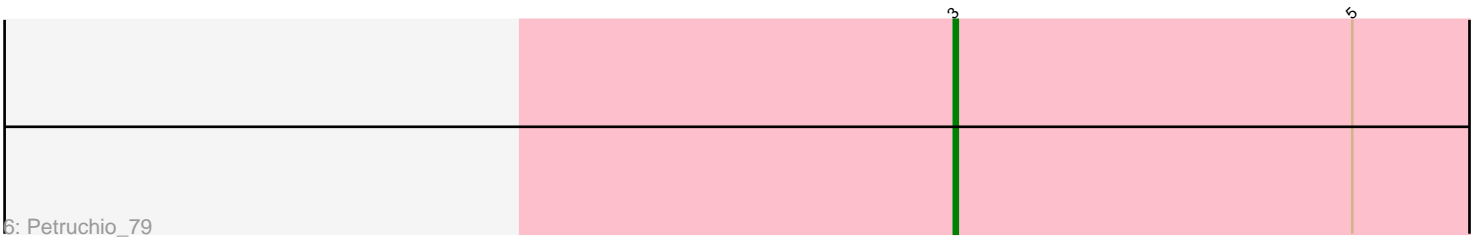
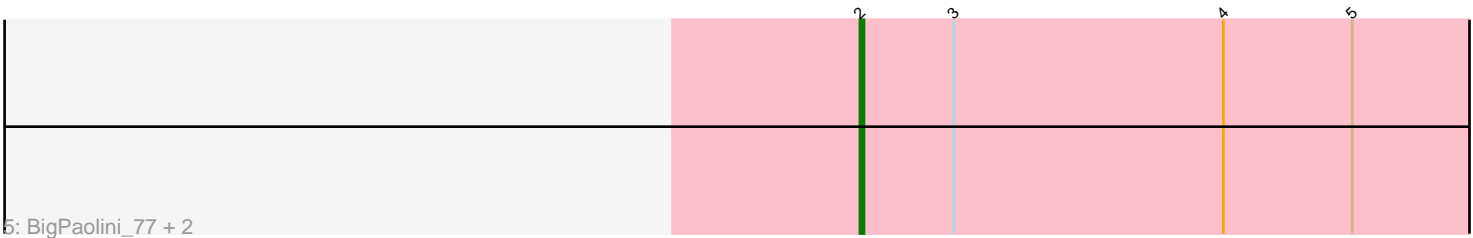
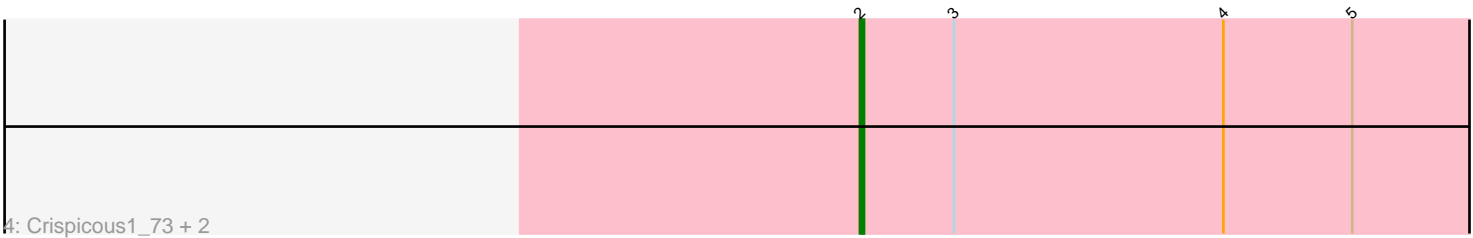
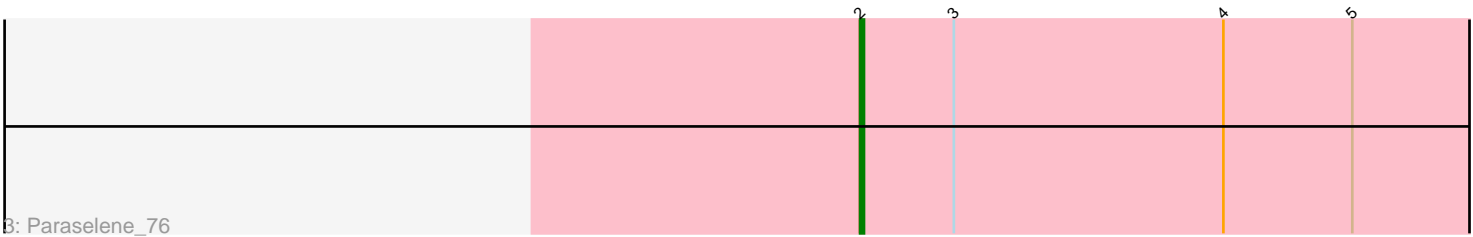
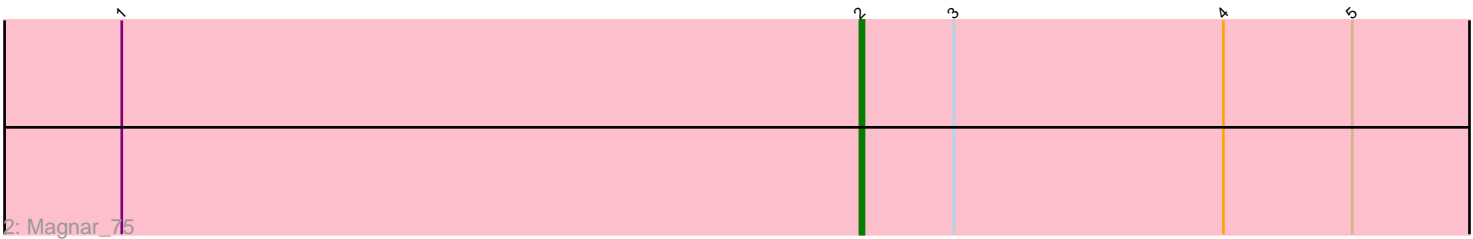
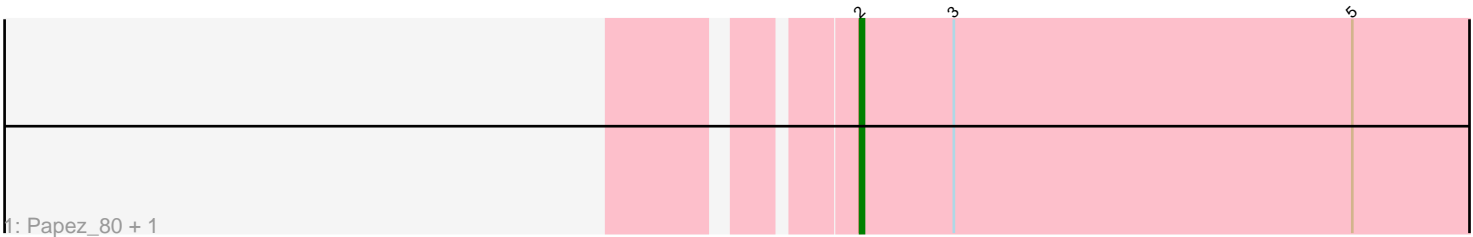


Pham 6450



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 6450 Report

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

Pham number 6450 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Papez\_80, Anglerfish\_80
- Track 2 : Magnar\_75
- Track 3 : Paraselene\_76
- Track 4 : Crispicous1\_73, Hami1\_68, Marchy\_67
- Track 5 : BigPaolini\_77, KBG\_77, Licorice\_81
- Track 6 : Petruccio\_79

### ***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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anglerfish\_80, BigPaolini\_77, Crispicous1\_73, Hami1\_68, KBG\_77, Licorice\_81, Magnar\_75, Marchy\_67, Papez\_80, Paraselene\_76,

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

- 

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

- Petruccio\_79,

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

Start 2:

- Found in 10 of 11 ( 90.9% ) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anglerfish\_80 (A1), BigPaolini\_77 (A1), Crispicous1\_73 (A1), Hami1\_68 (A1), KBG\_77 (A1), Licorice\_81 (A1), Magnar\_75 (A1), Marchy\_67 (A1), Papez\_80 (A1), Paraselene\_76 (A1),

Start 3:

- Found in 11 of 11 ( 100.0% ) of genes in pham

- Manual Annotations of this start: 1 of 9
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Petruchio\_79 (A1),

### **Summary by clusters:**

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 2 was manually annotated 8 times for cluster A1.
- Start number 3 was manually annotated 1 time for cluster A1.

### **Gene Information:**

Gene: Anglerfish\_80 Start: 48597, Stop: 48430, Start Num: 2

Candidate Starts for Anglerfish\_80:

(Start: 2 @48597 has 8 MA's), (Start: 3 @48573 has 1 MA's), (5, 48471),

Gene: BigPaolini\_77 Start: 46638, Stop: 46471, Start Num: 2

Candidate Starts for BigPaolini\_77:

(Start: 2 @46638 has 8 MA's), (Start: 3 @46614 has 1 MA's), (4, 46545), (5, 46512),

Gene: Crispicous1\_73 Start: 45468, Stop: 45301, Start Num: 2

Candidate Starts for Crispicous1\_73:

(Start: 2 @45468 has 8 MA's), (Start: 3 @45444 has 1 MA's), (4, 45375), (5, 45342),

Gene: Hami1\_68 Start: 42272, Stop: 42105, Start Num: 2

Candidate Starts for Hami1\_68:

(Start: 2 @42272 has 8 MA's), (Start: 3 @42248 has 1 MA's), (4, 42179), (5, 42146),

Gene: KBG\_77 Start: 48793, Stop: 48626, Start Num: 2

Candidate Starts for KBG\_77:

(Start: 2 @48793 has 8 MA's), (Start: 3 @48769 has 1 MA's), (4, 48700), (5, 48667),

Gene: Licorice\_81 Start: 49834, Stop: 49667, Start Num: 2

Candidate Starts for Licorice\_81:

(Start: 2 @49834 has 8 MA's), (Start: 3 @49810 has 1 MA's), (4, 49741), (5, 49708),

Gene: Magnar\_75 Start: 46714, Stop: 46547, Start Num: 2

Candidate Starts for Magnar\_75:

(1, 46903), (Start: 2 @46714 has 8 MA's), (Start: 3 @46690 has 1 MA's), (4, 46621), (5, 46588),

Gene: Marchy\_67 Start: 43783, Stop: 43616, Start Num: 2

Candidate Starts for Marchy\_67:

(Start: 2 @43783 has 8 MA's), (Start: 3 @43759 has 1 MA's), (4, 43690), (5, 43657),

Gene: Papez\_80 Start: 48422, Stop: 48255, Start Num: 2

Candidate Starts for Papez\_80:

(Start: 2 @48422 has 8 MA's), (Start: 3 @48398 has 1 MA's), (5, 48296),

Gene: Paraselene\_76 Start: 47105, Stop: 46938, Start Num: 2

Candidate Starts for Paraselene\_76:

(Start: 2 @47105 has 8 MA's), (Start: 3 @47081 has 1 MA's), (4, 47012), (5, 46979),

Gene: Petruchio\_79 Start: 46650, Stop: 46507, Start Num: 3

Candidate Starts for Petruchio\_79:

(Start: 3 @46650 has 1 MA's), (5, 46548),