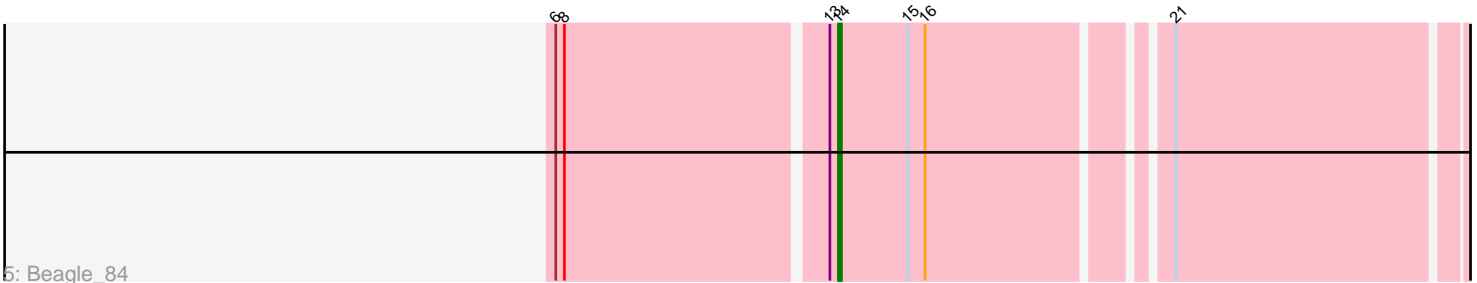
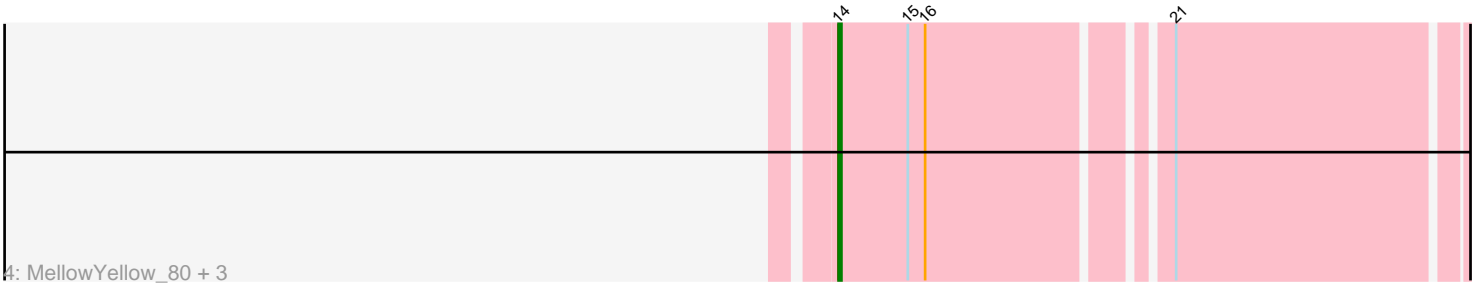
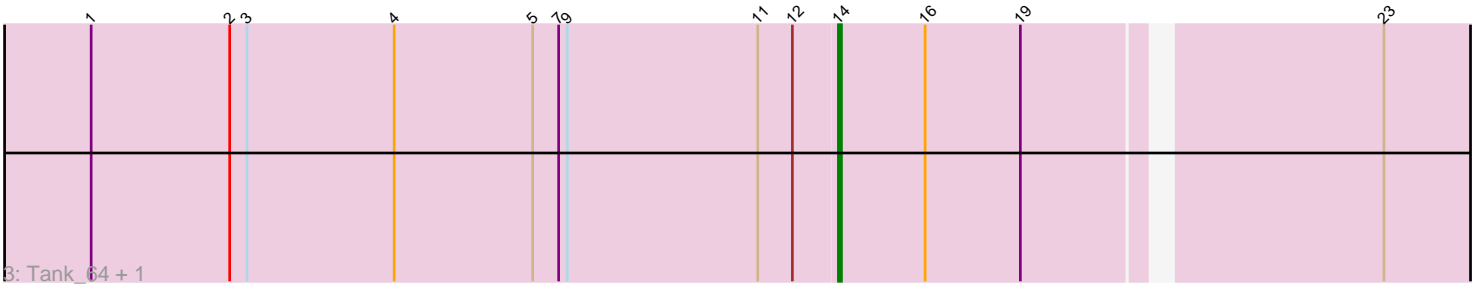
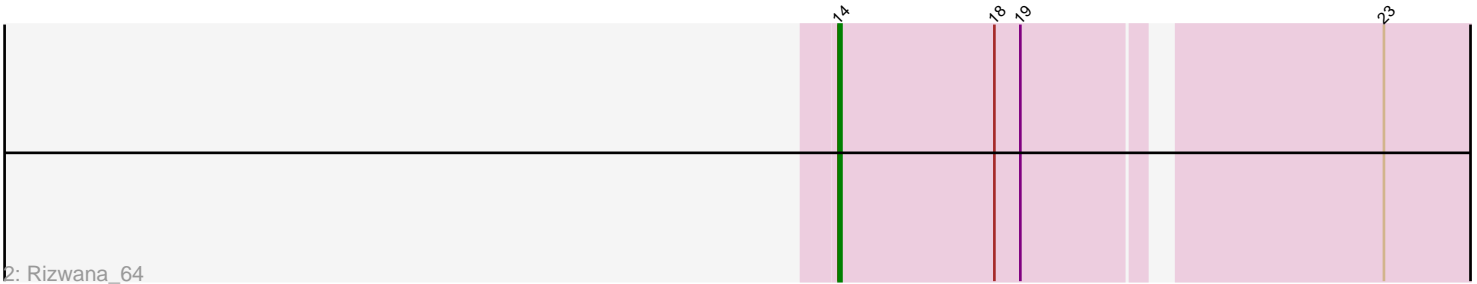
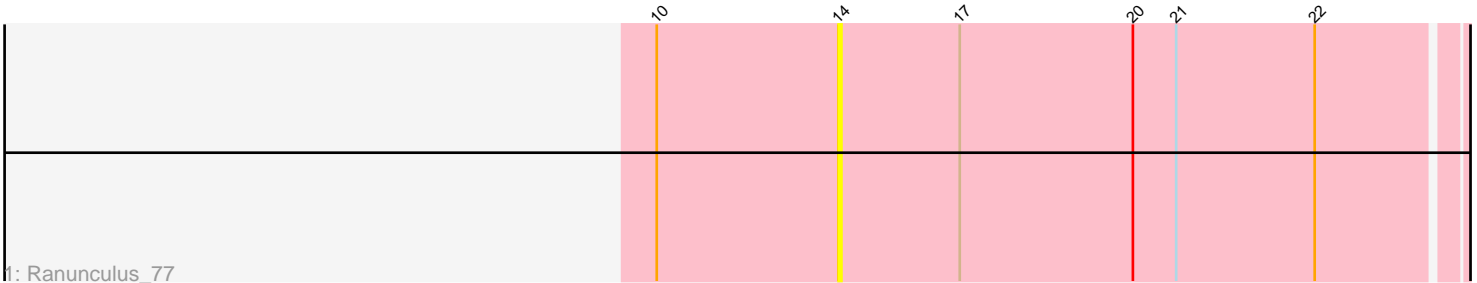


Pham 7210



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 7210 Report

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

Pham number 7210 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus\_77
- Track 2 : Rizwana\_64
- Track 3 : Tank\_64, Wilde\_66
- Track 4 : MellowYellow\_80, Odyssey395\_84, Pointis\_79, Pureglobe5\_82
- Track 5 : Beagle\_84

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

The start number called the most often in the published annotations is 14, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle\_84, MellowYellow\_80, Odyssey395\_84, Pointis\_79, Pureglobe5\_82, Ranunculus\_77, Rizwana\_64, Tank\_64, Wilde\_66,

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 14:

- Found in 9 of 9 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle\_84 (AP2), MellowYellow\_80 (AP2), Odyssey395\_84 (AP2), Pointis\_79 (AP2), Pureglobe5\_82 (AP2), Ranunculus\_77 (AP), Rizwana\_64 (AP1), Tank\_64 (AP1), Wilde\_66 (AP1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: AP2, AP, AP1,

Info for manual annotations of cluster AP1:

- Start number 14 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 14 was manually annotated 3 times for cluster AP2.

### ***Gene Information:***

Gene: Beagle\_84 Start: 49755, Stop: 49549, Start Num: 14

Candidate Starts for Beagle\_84:

(6, 49848), (8, 49845), (13, 49758), (Start: 14 @49755 has 6 MA's), (15, 49731), (16, 49725), (21, 49650),

Gene: MellowYellow\_80 Start: 49883, Stop: 49677, Start Num: 14

Candidate Starts for MellowYellow\_80:

(Start: 14 @49883 has 6 MA's), (15, 49859), (16, 49853), (21, 49778),

Gene: Odyssey395\_84 Start: 49992, Stop: 49786, Start Num: 14

Candidate Starts for Odyssey395\_84:

(Start: 14 @49992 has 6 MA's), (15, 49968), (16, 49962), (21, 49887),

Gene: Pointis\_79 Start: 49568, Stop: 49362, Start Num: 14

Candidate Starts for Pointis\_79:

(Start: 14 @49568 has 6 MA's), (15, 49544), (16, 49538), (21, 49463),

Gene: Pureglobe5\_82 Start: 50015, Stop: 49809, Start Num: 14

Candidate Starts for Pureglobe5\_82:

(Start: 14 @50015 has 6 MA's), (15, 49991), (16, 49985), (21, 49910),

Gene: Ranunculus\_77 Start: 52321, Stop: 52103, Start Num: 14

Candidate Starts for Ranunculus\_77:

(10, 52384), (Start: 14 @52321 has 6 MA's), (17, 52279), (20, 52219), (21, 52204), (22, 52156),

Gene: Rizwana\_64 Start: 46358, Stop: 46125, Start Num: 14

Candidate Starts for Rizwana\_64:

(Start: 14 @46358 has 6 MA's), (18, 46304), (19, 46295), (23, 46181),

Gene: Tank\_64 Start: 46354, Stop: 46121, Start Num: 14

Candidate Starts for Tank\_64:

(1, 46612), (2, 46564), (3, 46558), (4, 46507), (5, 46459), (7, 46450), (9, 46447), (11, 46381), (12, 46369), (Start: 14 @46354 has 6 MA's), (16, 46324), (19, 46291), (23, 46177),

Gene: Wilde\_66 Start: 46653, Stop: 46420, Start Num: 14

Candidate Starts for Wilde\_66:

(1, 46911), (2, 46863), (3, 46857), (4, 46806), (5, 46758), (7, 46749), (9, 46746), (11, 46680), (12, 46668), (Start: 14 @46653 has 6 MA's), (16, 46623), (19, 46590), (23, 46476),