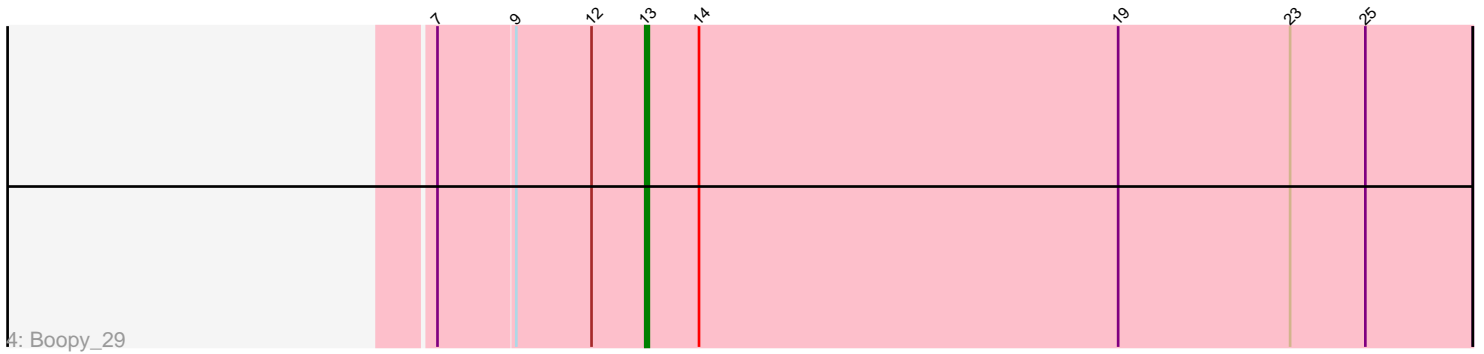
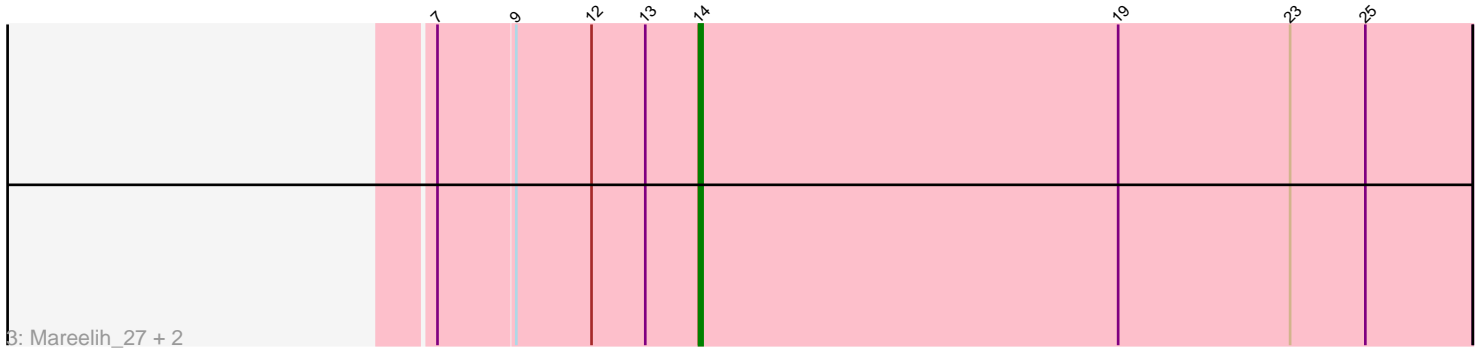
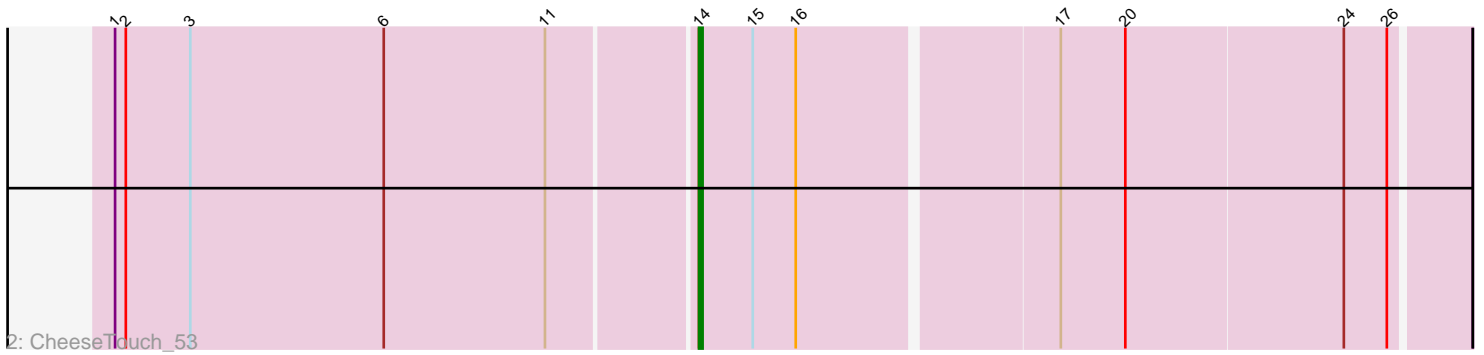
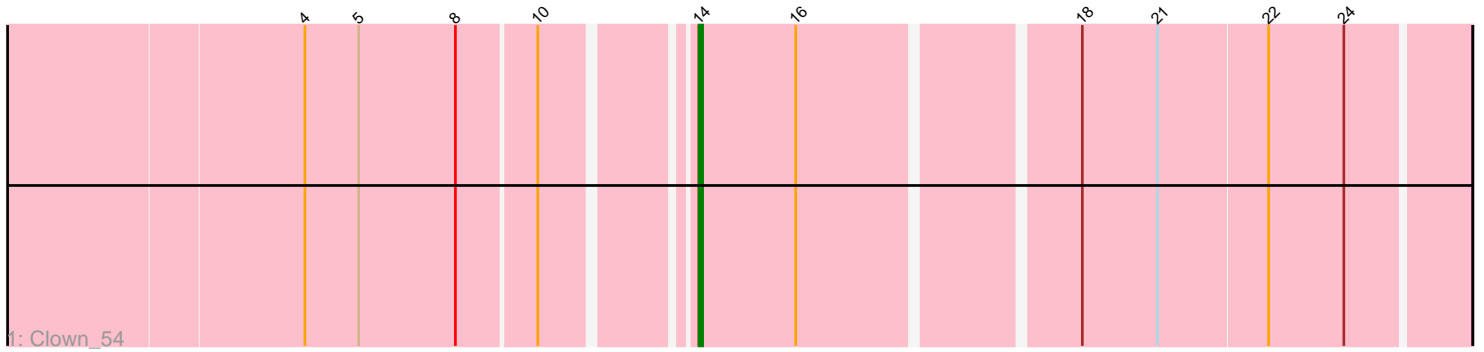


# Pham 203720



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 203720 Report

This analysis was run 03/07/25 on database version 590.

Pham number 203720 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Clown\_54
- Track 2 : CheeseTouch\_53
- Track 3 : Mareelih\_27, BlueNGold\_27, Forza\_29
- Track 4 : Boopy\_29

### ***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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueNGold\_27, CheeseTouch\_53, Clown\_54, Forza\_29, Mareelih\_27,

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

- Boopy\_29,

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

- 

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

Start 13:

- Found in 4 of 6 ( 66.7% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Boopy\_29 (DS),

Start 14:

- Found in 6 of 6 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 83.3% of time when present
- Phage (with cluster) where this start called: BlueNGold\_27 (DS), CheeseTouch\_53 (DN1), Clown\_54 (DC2), Forza\_29 (DS), Mareelih\_27 (DS),

## Summary by clusters:

There are 3 clusters represented in this pham: DC2, DN1, DS,

Info for manual annotations of cluster DC2:

- Start number 14 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DN1:

- Start number 14 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DS:

- Start number 13 was manually annotated 1 time for cluster DS.
- Start number 14 was manually annotated 3 times for cluster DS.

## Gene Information:

Gene: BlueNGold\_27 Start: 9816, Stop: 9601, Start Num: 14

Candidate Starts for BlueNGold\_27:

(7, 9888), (9, 9867), (12, 9846), (Start: 13 @9831 has 1 MA's), (Start: 14 @9816 has 5 MA's), (19, 9699), (23, 9651), (25, 9630),

Gene: Boopy\_29 Start: 9843, Stop: 9613, Start Num: 13

Candidate Starts for Boopy\_29:

(7, 9900), (9, 9879), (12, 9858), (Start: 13 @9843 has 1 MA's), (Start: 14 @9828 has 5 MA's), (19, 9711), (23, 9663), (25, 9642),

Gene: CheeseTouch\_53 Start: 30681, Stop: 30887, Start Num: 14

Candidate Starts for CheeseTouch\_53:

(1, 30522), (2, 30525), (3, 30543), (6, 30597), (11, 30642), (Start: 14 @30681 has 5 MA's), (15, 30696), (16, 30708), (17, 30777), (20, 30795), (24, 30855), (26, 30867),

Gene: Clown\_54 Start: 41043, Stop: 41246, Start Num: 14

Candidate Starts for Clown\_54:

(4, 40944), (5, 40959), (8, 40986), (10, 41007), (Start: 14 @41043 has 5 MA's), (16, 41070), (18, 41142), (21, 41163), (22, 41193), (24, 41214),

Gene: Forza\_29 Start: 9868, Stop: 9653, Start Num: 14

Candidate Starts for Forza\_29:

(7, 9940), (9, 9919), (12, 9898), (Start: 13 @9883 has 1 MA's), (Start: 14 @9868 has 5 MA's), (19, 9751), (23, 9703), (25, 9682),

Gene: Mareelih\_27 Start: 9273, Stop: 9058, Start Num: 14

Candidate Starts for Mareelih\_27:

(7, 9345), (9, 9324), (12, 9303), (Start: 13 @9288 has 1 MA's), (Start: 14 @9273 has 5 MA's), (19, 9156), (23, 9108), (25, 9087),