



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 8563 Report

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

Pham number 8563 has 10 members, 5 are drafts.

Phages represented in each track:

- Track 1 : BigCity\_75, LordLeafolot\_74, EggyFarm\_75, Bigswole\_76, NoodleTree\_70, Concombre\_75, FrayBell\_76, Grasshills\_75
- Track 2 : Tonenili\_81
- Track 3 : Hawkeye\_62

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

Genes that call this "Most Annotated" start:

- BigCity\_75, Bigswole\_76, Concombre\_75, EggyFarm\_75, FrayBell\_76, Grasshills\_75, Hawkeye\_62, LordLeafolot\_74, NoodleTree\_70, Tonenili\_81,

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 2:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigCity\_75 (C1), Bigswole\_76 (C1), Concombre\_75 (C1), EggyFarm\_75 (C1), FrayBell\_76 (C1), Grasshills\_75 (C1), Hawkeye\_62 (D2), LordLeafolot\_74 (C1), NoodleTree\_70 (C1), Tonenili\_81 (C1),

### **Summary by clusters:**

There are 2 clusters represented in this pham: C1, D2,

Info for manual annotations of cluster C1:

- Start number 2 was manually annotated 4 times for cluster C1.

Info for manual annotations of cluster D2:

- Start number 2 was manually annotated 1 time for cluster D2.

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

Gene: BigCity\_75 Start: 24353, Stop: 24487, Start Num: 2

Candidate Starts for BigCity\_75:

(Start: 2 @24353 has 5 MA's), (3, 24380), (4, 24425),

Gene: Bigswole\_76 Start: 25387, Stop: 25521, Start Num: 2

Candidate Starts for Bigswole\_76:

(Start: 2 @25387 has 5 MA's), (3, 25414), (4, 25459),

Gene: Concombre\_75 Start: 24914, Stop: 25048, Start Num: 2

Candidate Starts for Concombre\_75:

(Start: 2 @24914 has 5 MA's), (3, 24941), (4, 24986),

Gene: EggyFarm\_75 Start: 24353, Stop: 24487, Start Num: 2

Candidate Starts for EggyFarm\_75:

(Start: 2 @24353 has 5 MA's), (3, 24380), (4, 24425),

Gene: FrayBell\_76 Start: 24369, Stop: 24503, Start Num: 2

Candidate Starts for FrayBell\_76:

(Start: 2 @24369 has 5 MA's), (3, 24396), (4, 24441),

Gene: Grasshills\_75 Start: 24353, Stop: 24487, Start Num: 2

Candidate Starts for Grasshills\_75:

(Start: 2 @24353 has 5 MA's), (3, 24380), (4, 24425),

Gene: Hawkeye\_62 Start: 44116, Stop: 44259, Start Num: 2

Candidate Starts for Hawkeye\_62:

(1, 44113), (Start: 2 @44116 has 5 MA's), (4, 44188), (5, 44194), (6, 44227),

Gene: LordLeafolot\_74 Start: 24368, Stop: 24502, Start Num: 2

Candidate Starts for LordLeafolot\_74:

(Start: 2 @24368 has 5 MA's), (3, 24395), (4, 24440),

Gene: NoodleTree\_70 Start: 22716, Stop: 22850, Start Num: 2

Candidate Starts for NoodleTree\_70:

(Start: 2 @22716 has 5 MA's), (3, 22743), (4, 22788),

Gene: Tonenili\_81 Start: 25673, Stop: 25807, Start Num: 2

Candidate Starts for Tonenili\_81:

(Start: 2 @25673 has 5 MA's), (4, 25745),