



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 4895 Report

This analysis was run 07/09/24 on database version 566.

Pham number 4895 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Whiteclaw\_32, Gizermo\_32, Haley23\_32, Ebert\_33, Sahara\_31, Savage\_32, GemG\_32, Cynthia\_32, Clap\_32, TuertoX\_32, Mocha12\_32, Sproutie\_32, Vasanti\_33

### ***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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Clap\_32, Cynthia\_32, Ebert\_33, GemG\_32, Gizermo\_32, Haley23\_32, Mocha12\_32, Sahara\_31, Savage\_32, Sproutie\_32, TuertoX\_32, Vasanti\_33, Whiteclaw\_32,

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 13 of 13 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clap\_32 (CZ2), Cynthia\_32 (CZ2), Ebert\_33 (CZ2), GemG\_32 (CZ2), Gizermo\_32 (CZ2), Haley23\_32 (CZ2), Mocha12\_32 (CZ2), Sahara\_31 (CZ2), Savage\_32 (CZ2), Sproutie\_32 (CZ2), TuertoX\_32 (CZ2), Vasanti\_33 (CZ2), Whiteclaw\_32 (CZ2),

### **Summary by clusters:**

There is one cluster represented in this pham: CZ2

Info for manual annotations of cluster CZ2:

•Start number 3 was manually annotated 13 times for cluster CZ2.

**Gene Information:**

Gene: Clap\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Clap\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Cynthia\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Cynthia\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Ebert\_33 Start: 25933, Stop: 25805, Start Num: 3

Candidate Starts for Ebert\_33:

(1, 25963), (2, 25939), (Start: 3 @25933 has 13 MA's),

Gene: GemG\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for GemG\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Gizermo\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Gizermo\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Haley23\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Haley23\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Mocha12\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Mocha12\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Sahara\_31 Start: 25679, Stop: 25551, Start Num: 3

Candidate Starts for Sahara\_31:

(1, 25709), (2, 25685), (Start: 3 @25679 has 13 MA's),

Gene: Savage\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Savage\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Sproutie\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Sproutie\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: TuertoX\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for TuertoX\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),

Gene: Vasanti\_33 Start: 26547, Stop: 26419, Start Num: 3

Candidate Starts for Vasanti\_33:

(1, 26577), (2, 26553), (Start: 3 @26547 has 13 MA's),

Gene: Whiteclaw\_32 Start: 26009, Stop: 25881, Start Num: 3

Candidate Starts for Whiteclaw\_32:

(1, 26039), (2, 26015), (Start: 3 @26009 has 13 MA's),