



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 203525 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203525 has 11 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Westrich\_28, Eesa\_26
- Track 2 : KendraB23\_28
- Track 3 : Antrice\_28
- Track 4 : LittleTokyo\_27
- Track 5 : Kuleana\_28
- Track 6 : Leona\_26, Glotell\_28, Rattail\_25
- Track 7 : Andrew\_29
- Track 8 : StuartMinion\_26

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

Genes that call this "Most Annotated" start:

- Antrice\_28, Eesa\_26, Glotell\_28, KendraB23\_28, Leona\_26, Rattail\_25, StuartMinion\_26, Westrich\_28,

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

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

- Andrew\_29, Kuleana\_28, LittleTokyo\_27,

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

Start 1:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleTokyo\_27 (AS2),

Start 2:

- Found in 1 of 11 ( 9.1% ) of genes in pham

- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kuleana\_28 (AS2),

Start 3:

- Found in 8 of 11 ( 72.7% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antrice\_28 (AS2), Eesa\_26 (AS1), Glotell\_28 (AS3), KendraB23\_28 (AS1), Leona\_26 (AS3), Rattail\_25 (AS3), StuartMinion\_26 (AS3), Westrich\_28 (AS1),

Start 4:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andrew\_29 (AS3),

### **Summary by clusters:**

There are 3 clusters represented in this pham: AS3, AS2, AS1,

Info for manual annotations of cluster AS1:

- Start number 3 was manually annotated 1 time for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 1 was manually annotated 1 time for cluster AS2.
- Start number 2 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 3 was manually annotated 1 time for cluster AS3.
- Start number 4 was manually annotated 1 time for cluster AS3.

### **Gene Information:**

Gene: Andrew\_29 Start: 19367, Stop: 19158, Start Num: 4

Candidate Starts for Andrew\_29:

(Start: 4 @19367 has 1 MA's), (5, 19259),

Gene: Antrice\_28 Start: 19740, Stop: 19531, Start Num: 3

Candidate Starts for Antrice\_28:

(Start: 3 @19740 has 2 MA's),

Gene: Eesa\_26 Start: 20461, Stop: 20252, Start Num: 3

Candidate Starts for Eesa\_26:

(Start: 3 @20461 has 2 MA's),

Gene: Glotell\_28 Start: 18940, Stop: 18728, Start Num: 3

Candidate Starts for Glotell\_28:

(Start: 3 @18940 has 2 MA's),

Gene: KendraB23\_28 Start: 20370, Stop: 20161, Start Num: 3  
Candidate Starts for KendraB23\_28:  
(Start: 3 @20370 has 2 MA's),

Gene: Kuleana\_28 Start: 19280, Stop: 19062, Start Num: 2  
Candidate Starts for Kuleana\_28:  
(Start: 2 @19280 has 1 MA's),

Gene: Leona\_26 Start: 18864, Stop: 18652, Start Num: 3  
Candidate Starts for Leona\_26:  
(Start: 3 @18864 has 2 MA's),

Gene: LittleTokyo\_27 Start: 19315, Stop: 19100, Start Num: 1  
Candidate Starts for LittleTokyo\_27:  
(Start: 1 @19315 has 1 MA's),

Gene: Rattail\_25 Start: 18864, Stop: 18652, Start Num: 3  
Candidate Starts for Rattail\_25:  
(Start: 3 @18864 has 2 MA's),

Gene: StuartMinion\_26 Start: 18503, Stop: 18291, Start Num: 3  
Candidate Starts for StuartMinion\_26:  
(Start: 3 @18503 has 2 MA's),

Gene: Westrich\_28 Start: 20357, Stop: 20148, Start Num: 3  
Candidate Starts for Westrich\_28:  
(Start: 3 @20357 has 2 MA's),