



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 327654 Report

This analysis was run 09/05/26 on database version 662.

Pham number 327654 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Grekaycon\_18, Shade\_18, Jordan\_18, Sonny\_18, Zartrosa\_18, Martha\_18, TaeYoung\_18, BossLady\_18, JKerns\_18
- Track 2 : Wyborn\_19
- Track 3 : Sicarius2\_19
- Track 4 : Abba\_17
- Track 5 : Nostromo\_17

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

Genes that call this "Most Annotated" start:

- BossLady\_18, Grekaycon\_18, JKerns\_18, Jordan\_18, Martha\_18, Shade\_18, Sicarius2\_19, Sonny\_18, TaeYoung\_18, Wyborn\_19, Zartrosa\_18,

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:

- Abba\_17, Nostromo\_17,

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

Start 1:

- Found in 2 of 13 ( 15.4% ) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abba\_17 (AO3), Nostromo\_17 (AO3),

Start 2:

- Found in 11 of 13 ( 84.6% ) of genes in pham
- Manual Annotations of this start: 11 of 13
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BossLady\_18 (AO2), Grekaycon\_18 (AO2), JKerns\_18 (AO2), Jordan\_18 (AO2), Martha\_18 (AO2), Shade\_18 (AO2), Sicarius2\_19 (AO2), Sonny\_18 (AO2), TaeYoung\_18 (AO2), Wyborn\_19 (AO2), Zartrosa\_18 (AO2),

### **Summary by clusters:**

There are 2 clusters represented in this pham: AO3, AO2,

Info for manual annotations of cluster AO2:

- Start number 2 was manually annotated 11 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 1 was manually annotated 2 times for cluster AO3.

### **Gene Information:**

Gene: Abba\_17 Start: 13343, Stop: 13483, Start Num: 1

Candidate Starts for Abba\_17:

(Start: 1 @13343 has 2 MA's), (4, 13379),

Gene: BossLady\_18 Start: 13616, Stop: 13744, Start Num: 2

Candidate Starts for BossLady\_18:

(Start: 2 @13616 has 11 MA's), (5, 13634),

Gene: Grekaycon\_18 Start: 13625, Stop: 13753, Start Num: 2

Candidate Starts for Grekaycon\_18:

(Start: 2 @13625 has 11 MA's), (5, 13643),

Gene: JKerns\_18 Start: 13652, Stop: 13780, Start Num: 2

Candidate Starts for JKerns\_18:

(Start: 2 @13652 has 11 MA's), (5, 13670),

Gene: Jordan\_18 Start: 13622, Stop: 13750, Start Num: 2

Candidate Starts for Jordan\_18:

(Start: 2 @13622 has 11 MA's), (5, 13640),

Gene: Martha\_18 Start: 13563, Stop: 13691, Start Num: 2

Candidate Starts for Martha\_18:

(Start: 2 @13563 has 11 MA's), (5, 13581),

Gene: Nostromo\_17 Start: 13554, Stop: 13694, Start Num: 1

Candidate Starts for Nostromo\_17:

(Start: 1 @13554 has 2 MA's), (3, 13587), (4, 13590),

Gene: Shade\_18 Start: 13601, Stop: 13729, Start Num: 2

Candidate Starts for Shade\_18:

(Start: 2 @13601 has 11 MA's), (5, 13619),

Gene: Sicarius2\_19 Start: 14102, Stop: 14230, Start Num: 2

Candidate Starts for Sicarius2\_19:

(Start: 2 @14102 has 11 MA's), (6, 14159),

Gene: Sonny\_18 Start: 13622, Stop: 13750, Start Num: 2

Candidate Starts for Sonny\_18:

(Start: 2 @13622 has 11 MA's), (5, 13640),

Gene: TaeYoung\_18 Start: 13626, Stop: 13754, Start Num: 2

Candidate Starts for TaeYoung\_18:

(Start: 2 @13626 has 11 MA's), (5, 13644),

Gene: Wyborn\_19 Start: 13963, Stop: 14091, Start Num: 2

Candidate Starts for Wyborn\_19:

(Start: 2 @13963 has 11 MA's), (6, 14020),

Gene: Zartrosa\_18 Start: 13625, Stop: 13753, Start Num: 2

Candidate Starts for Zartrosa\_18:

(Start: 2 @13625 has 11 MA's), (5, 13643),