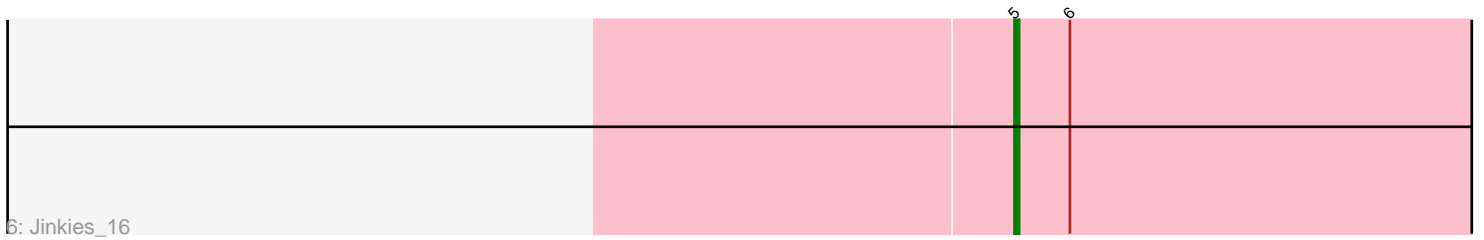
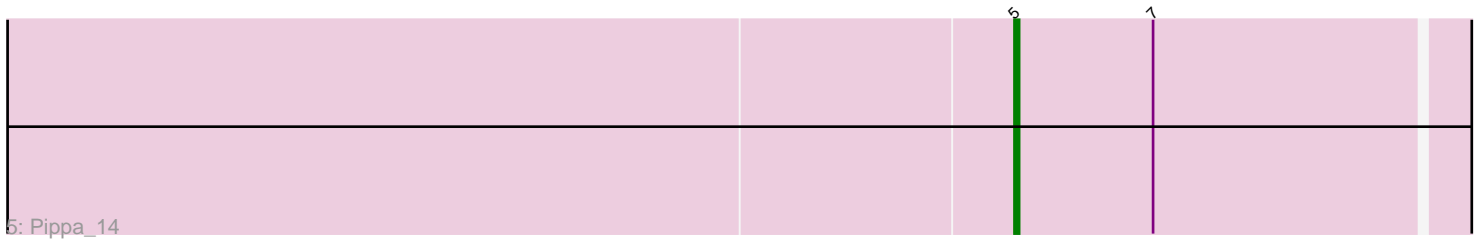
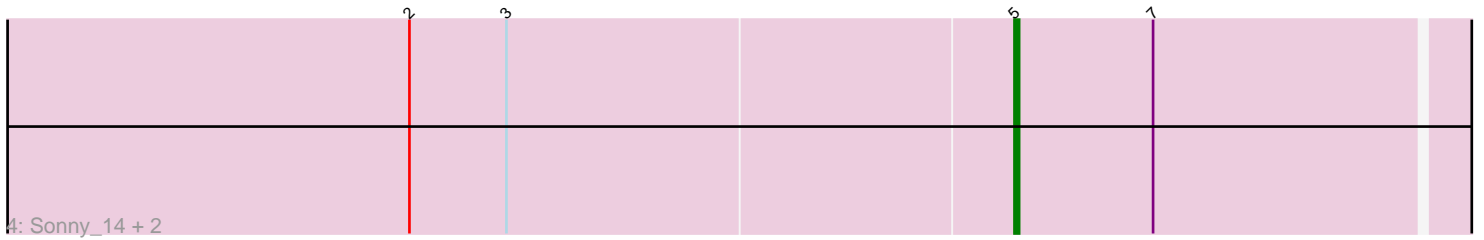
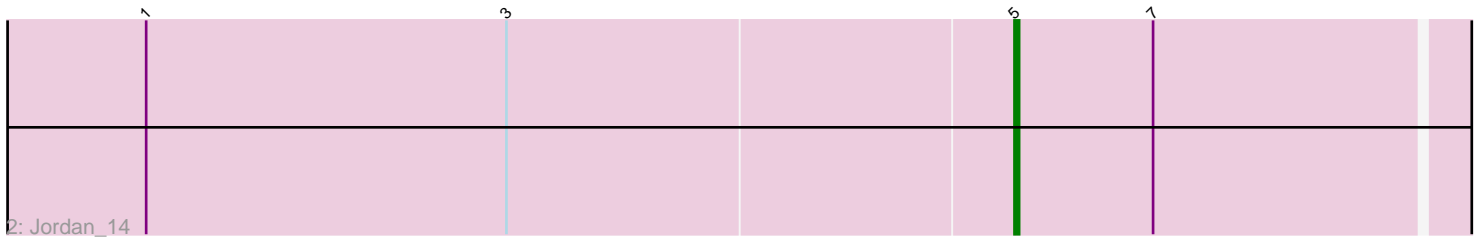
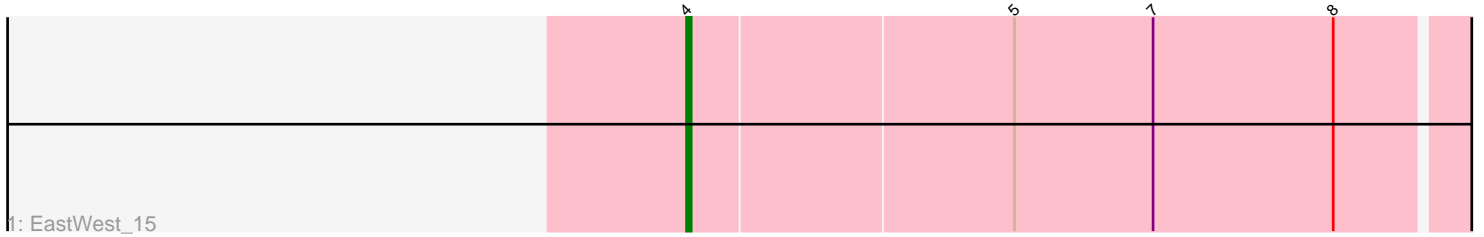


Pham 203468



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 203468 Report

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

Pham number 203468 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EastWest\_15
- Track 2 : Jordan\_14
- Track 3 : Timinator\_14, LeeroyJ\_14, BigDome\_14, GravityBall\_14, StevieBAY\_14, BarretLemon\_14
- Track 4 : Sonny\_14, JKerns\_14, Zartrosa\_14
- Track 5 : Pippa\_14
- Track 6 : Jinkies\_16

### ***Summary of Final Annotations (See graph section above for start numbers):***

The start number called the most often in the published annotations is 5, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon\_14, BigDome\_14, GravityBall\_14, JKerns\_14, Jinkies\_16, Jordan\_14, LeeroyJ\_14, Pippa\_14, Sonny\_14, StevieBAY\_14, Timinator\_14, Zartrosa\_14,

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

- EastWest\_15,

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

- 

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

Start 4:

- Found in 1 of 13 ( 7.7% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EastWest\_15 (AO),

Start 5:

- Found in 13 of 13 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 12

- Called 92.3% of time when present
- Phage (with cluster) where this start called: BarretLemon\_14 (AO2), BigDome\_14 (AO2), GravityBall\_14 (AO2), JKerns\_14 (AO2), Jinkies\_16 (FL), Jordan\_14 (AO2), LeeroyJ\_14 (AO2), Pippa\_14 (AO2), Sonny\_14 (AO2), StevieBAY\_14 (AO2), Timinator\_14 (AO2), Zartrosa\_14 (AO2),

### **Summary by clusters:**

There are 3 clusters represented in this pham: FL, AO2, AO,

Info for manual annotations of cluster AO:

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

Info for manual annotations of cluster AO2:

- Start number 5 was manually annotated 10 times for cluster AO2.

Info for manual annotations of cluster FL:

- Start number 5 was manually annotated 1 time for cluster FL.

### **Gene Information:**

Gene: BarretLemon\_14 Start: 10650, Stop: 10889, Start Num: 5

Candidate Starts for BarretLemon\_14:

(Start: 5 @10650 has 11 MA's), (7, 10680),

Gene: BigDome\_14 Start: 10638, Stop: 10877, Start Num: 5

Candidate Starts for BigDome\_14:

(Start: 5 @10638 has 11 MA's), (7, 10668),

Gene: EastWest\_15 Start: 10619, Stop: 10891, Start Num: 4

Candidate Starts for EastWest\_15:

(Start: 4 @10619 has 1 MA's), (Start: 5 @10688 has 11 MA's), (7, 10718), (8, 10757),

Gene: GravityBall\_14 Start: 10649, Stop: 10888, Start Num: 5

Candidate Starts for GravityBall\_14:

(Start: 5 @10649 has 11 MA's), (7, 10679),

Gene: JKerns\_14 Start: 10688, Stop: 10927, Start Num: 5

Candidate Starts for JKerns\_14:

(2, 10559), (3, 10580), (Start: 5 @10688 has 11 MA's), (7, 10718),

Gene: Jinkies\_16 Start: 12256, Stop: 12480, Start Num: 5

Candidate Starts for Jinkies\_16:

(Start: 5 @12256 has 11 MA's), (6, 12268),

Gene: Jordan\_14 Start: 10658, Stop: 10897, Start Num: 5

Candidate Starts for Jordan\_14:

(1, 10472), (3, 10550), (Start: 5 @10658 has 11 MA's), (7, 10688),

Gene: LeeroyJ\_14 Start: 10649, Stop: 10888, Start Num: 5

Candidate Starts for LeeroyJ\_14:

(Start: 5 @10649 has 11 MA's), (7, 10679),

Gene: Pippa\_14 Start: 10697, Stop: 10936, Start Num: 5

Candidate Starts for Pippa\_14:

(Start: 5 @10697 has 11 MA's), (7, 10727),

Gene: Sonny\_14 Start: 10658, Stop: 10897, Start Num: 5

Candidate Starts for Sonny\_14:

(2, 10529), (3, 10550), (Start: 5 @10658 has 11 MA's), (7, 10688),

Gene: StevieBAY\_14 Start: 10649, Stop: 10888, Start Num: 5

Candidate Starts for StevieBAY\_14:

(Start: 5 @10649 has 11 MA's), (7, 10679),

Gene: Timinator\_14 Start: 10649, Stop: 10888, Start Num: 5

Candidate Starts for Timinator\_14:

(Start: 5 @10649 has 11 MA's), (7, 10679),

Gene: Zartrosa\_14 Start: 10661, Stop: 10900, Start Num: 5

Candidate Starts for Zartrosa\_14:

(2, 10532), (3, 10553), (Start: 5 @10661 has 11 MA's), (7, 10691),