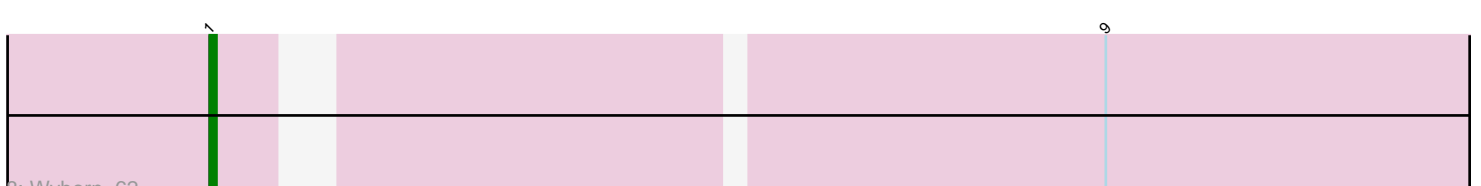
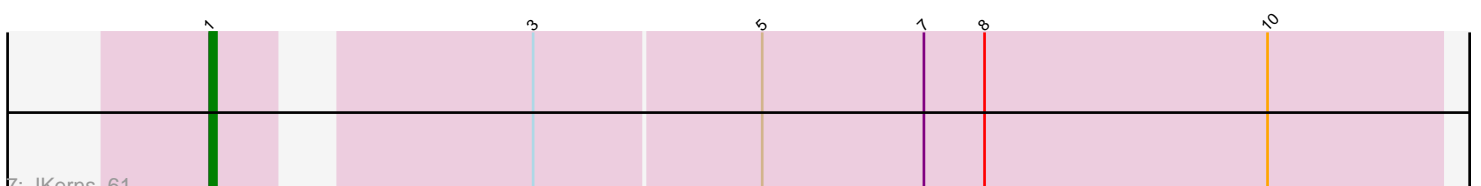
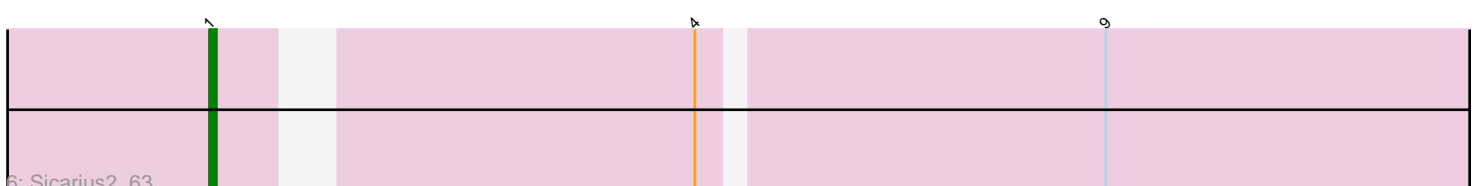
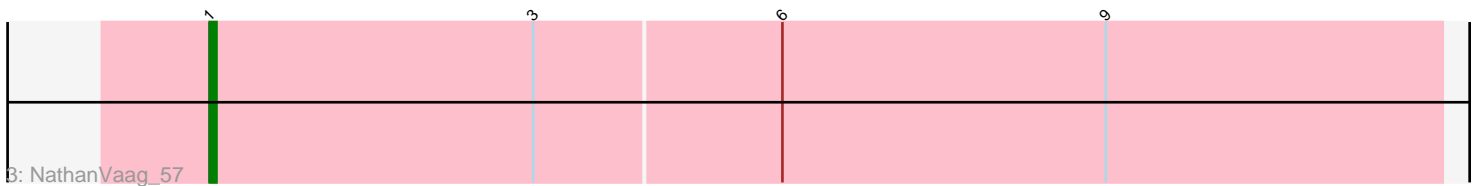
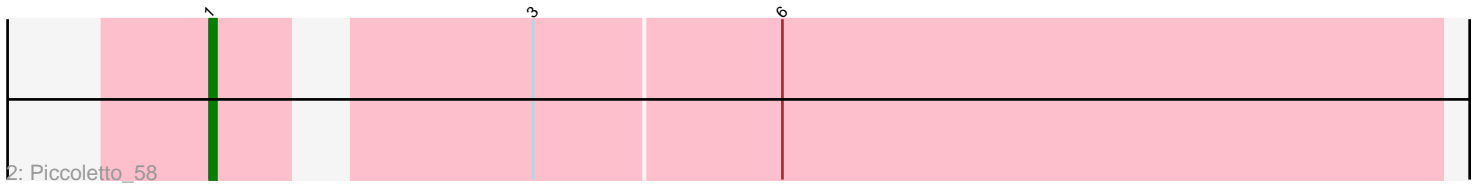
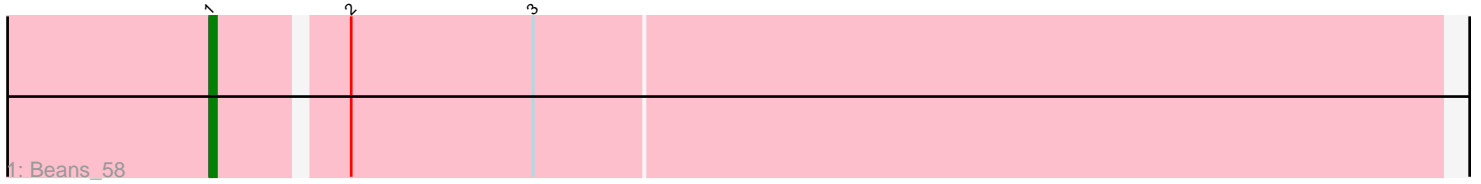


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 196997 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196997 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Beans\_58
- Track 2 : Piccoletto\_58
- Track 3 : NathanVaag\_57
- Track 4 : Sonny\_60, BossLady\_63, Shade\_61, Grekaycon\_62, Zartrosa\_61
- Track 5 : Pippa\_62
- Track 6 : Sicarius2\_63
- Track 7 : JKerns\_61
- Track 8 : Wyborn\_62

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beans\_58, BossLady\_63, Grekaycon\_62, JKerns\_61, NathanVaag\_57, Piccoletto\_58, Pippa\_62, Shade\_61, Sicarius2\_63, Sonny\_60, Wyborn\_62, Zartrosa\_61,

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 1:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beans\_58 (AO1), BossLady\_63 (AO2), Grekaycon\_62 (AO2), JKerns\_61 (AO2), NathanVaag\_57 (AO1), Piccoletto\_58 (AO1), Pippa\_62 (AO2), Shade\_61 (AO2), Sicarius2\_63 (AO2), Sonny\_60 (AO2),

Wyborn\_62 (AO2), Zartrosa\_61 (AO2),

### **Summary by clusters:**

There are 2 clusters represented in this pham: AO2, AO1,

Info for manual annotations of cluster AO1:

•Start number 1 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:

•Start number 1 was manually annotated 9 times for cluster AO2.

### **Gene Information:**

Gene: Beans\_58 Start: 40957, Stop: 41157, Start Num: 1

Candidate Starts for Beans\_58:

(Start: 1 @40957 has 12 MA's), (2, 40975), (3, 41002),

Gene: BossLady\_63 Start: 41589, Stop: 41783, Start Num: 1

Candidate Starts for BossLady\_63:

(Start: 1 @41589 has 12 MA's), (8, 41694), (10, 41736),

Gene: Grekaycon\_62 Start: 41468, Stop: 41662, Start Num: 1

Candidate Starts for Grekaycon\_62:

(Start: 1 @41468 has 12 MA's), (8, 41573), (10, 41615),

Gene: JKerns\_61 Start: 41535, Stop: 41729, Start Num: 1

Candidate Starts for JKerns\_61:

(Start: 1 @41535 has 12 MA's), (3, 41574), (5, 41607), (7, 41631), (8, 41640), (10, 41682),

Gene: NathanVaag\_57 Start: 40737, Stop: 40940, Start Num: 1

Candidate Starts for NathanVaag\_57:

(Start: 1 @40737 has 12 MA's), (3, 40785), (6, 40821), (9, 40869),

Gene: Piccoletto\_58 Start: 40930, Stop: 41124, Start Num: 1

Candidate Starts for Piccoletto\_58:

(Start: 1 @40930 has 12 MA's), (3, 40969), (6, 41005),

Gene: Pippa\_62 Start: 41545, Stop: 41739, Start Num: 1

Candidate Starts for Pippa\_62:

(Start: 1 @41545 has 12 MA's), (8, 41650),

Gene: Shade\_61 Start: 41271, Stop: 41465, Start Num: 1

Candidate Starts for Shade\_61:

(Start: 1 @41271 has 12 MA's), (8, 41376), (10, 41418),

Gene: Sicarius2\_63 Start: 40226, Stop: 40423, Start Num: 1

Candidate Starts for Sicarius2\_63:

(Start: 1 @40226 has 12 MA's), (4, 40289), (9, 40346),

Gene: Sonny\_60 Start: 41020, Stop: 41214, Start Num: 1

Candidate Starts for Sonny\_60:

(Start: 1 @41020 has 12 MA's), (8, 41125), (10, 41167),

Gene: Wyborn\_62 Start: 40943, Stop: 41140, Start Num: 1

Candidate Starts for Wyborn\_62:

(Start: 1 @40943 has 12 MA's), (9, 41063),

Gene: Zartrosa\_61 Start: 41318, Stop: 41512, Start Num: 1

Candidate Starts for Zartrosa\_61:

(Start: 1 @41318 has 12 MA's), (8, 41423), (10, 41465),