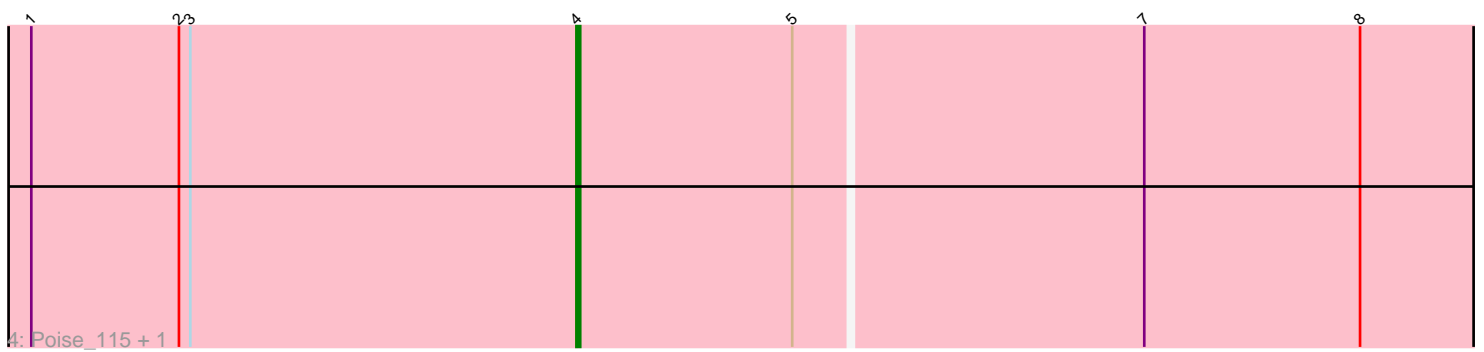
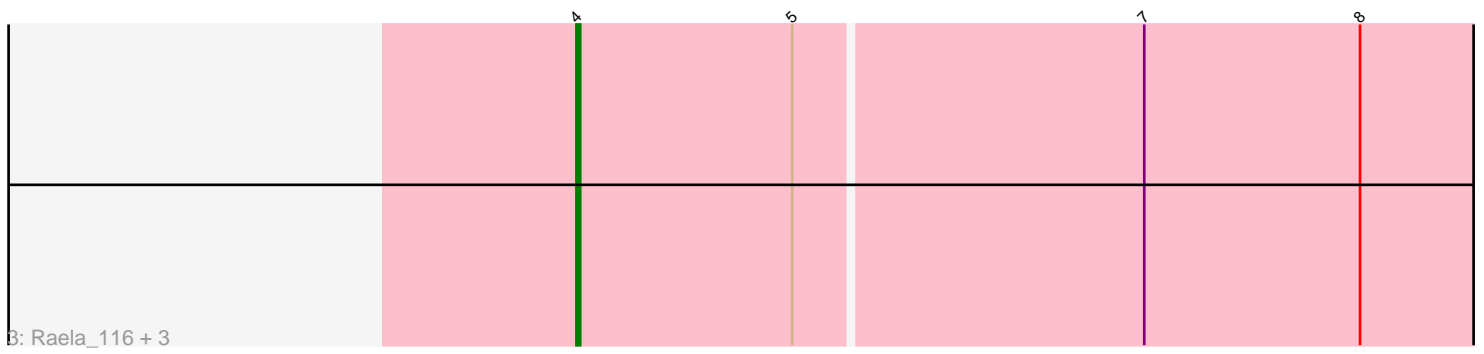
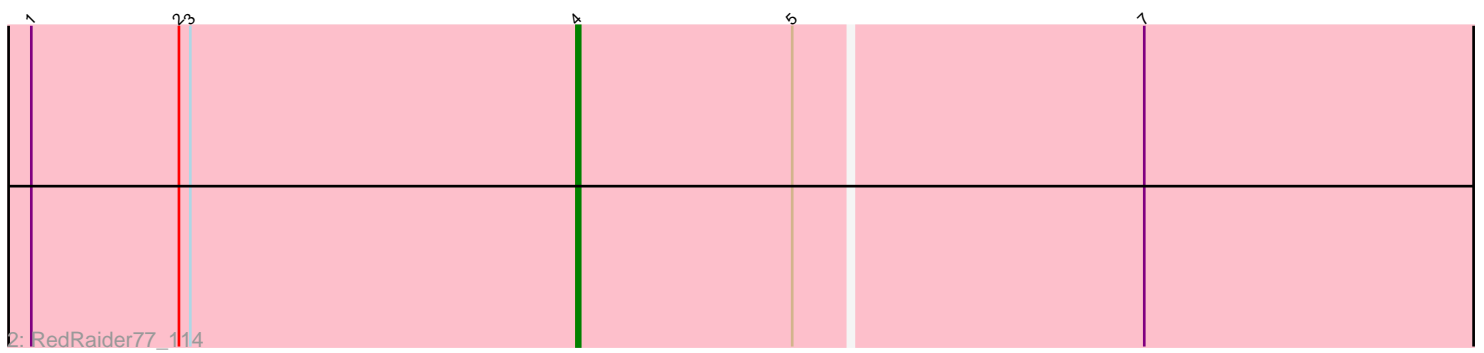
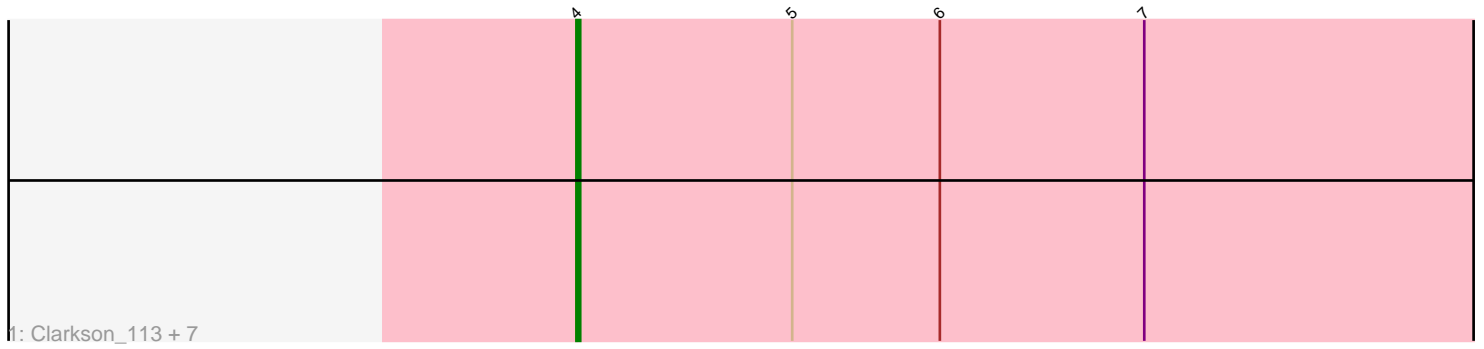


## Pham 4807



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 4807 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4807 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Clarkson\_113, JoieB\_115, Lilbit\_110, VasuNzinga\_112, Corazon\_107, Huphlepuuff\_114, Caprice\_105, LittleLaf\_110
- Track 2 : RedRaider77\_114
- Track 3 : Raela\_116, Gattaca\_113, MosMoris\_110, Tesla\_110
- Track 4 : Poise\_115, Blackbeetle\_115

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

The start number called the most often in the published annotations is 4, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Blackbeetle\_115, Caprice\_105, Clarkson\_113, Corazon\_107, Gattaca\_113, Huphlepuuff\_114, JoieB\_115, Lilbit\_110, LittleLaf\_110, MosMoris\_110, Poise\_115, Raela\_116, RedRaider77\_114, Tesla\_110, VasuNzinga\_112,

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 4:

- Found in 15 of 15 ( 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: Blackbeetle\_115 (S), Caprice\_105 (S), Clarkson\_113 (S), Corazon\_107 (S), Gattaca\_113 (S), Huphlepuuff\_114 (S), JoieB\_115 (S), Lilbit\_110 (S), LittleLaf\_110 (S), MosMoris\_110 (S), Poise\_115 (S), Raela\_116 (S), RedRaider77\_114 (S), Tesla\_110 (S), VasuNzinga\_112 (S),

### **Summary by clusters:**

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:

- Start number 4 was manually annotated 13 times for cluster S.

**Gene Information:**

Gene: Blackbeetle\_115 Start: 63685, Stop: 63930, Start Num: 4

Candidate Starts for Blackbeetle\_115:

(1, 63541), (2, 63580), (3, 63583), (Start: 4 @63685 has 13 MA's), (5, 63742), (7, 63832), (8, 63889),

Gene: Caprice\_105 Start: 63476, Stop: 63721, Start Num: 4

Candidate Starts for Caprice\_105:

(Start: 4 @63476 has 13 MA's), (5, 63533), (6, 63569), (7, 63623),

Gene: Clarkson\_113 Start: 63601, Stop: 63849, Start Num: 4

Candidate Starts for Clarkson\_113:

(Start: 4 @63601 has 13 MA's), (5, 63658), (6, 63697), (7, 63751),

Gene: Corazon\_107 Start: 63794, Stop: 64039, Start Num: 4

Candidate Starts for Corazon\_107:

(Start: 4 @63794 has 13 MA's), (5, 63851), (6, 63887), (7, 63941),

Gene: Gattaca\_113 Start: 64098, Stop: 64343, Start Num: 4

Candidate Starts for Gattaca\_113:

(Start: 4 @64098 has 13 MA's), (5, 64155), (7, 64245), (8, 64302),

Gene: Huphlebuff\_114 Start: 63406, Stop: 63651, Start Num: 4

Candidate Starts for Huphlebuff\_114:

(Start: 4 @63406 has 13 MA's), (5, 63463), (6, 63499), (7, 63553),

Gene: JoieB\_115 Start: 64267, Stop: 64512, Start Num: 4

Candidate Starts for JoieB\_115:

(Start: 4 @64267 has 13 MA's), (5, 64324), (6, 64360), (7, 64414),

Gene: Lilbit\_110 Start: 63968, Stop: 64213, Start Num: 4

Candidate Starts for Lilbit\_110:

(Start: 4 @63968 has 13 MA's), (5, 64025), (6, 64061), (7, 64115),

Gene: LittleLaf\_110 Start: 63697, Stop: 63942, Start Num: 4

Candidate Starts for LittleLaf\_110:

(Start: 4 @63697 has 13 MA's), (5, 63754), (6, 63790), (7, 63844),

Gene: MosMoris\_110 Start: 64104, Stop: 64349, Start Num: 4

Candidate Starts for MosMoris\_110:

(Start: 4 @64104 has 13 MA's), (5, 64161), (7, 64251), (8, 64308),

Gene: Poise\_115 Start: 63685, Stop: 63930, Start Num: 4

Candidate Starts for Poise\_115:

(1, 63541), (2, 63580), (3, 63583), (Start: 4 @63685 has 13 MA's), (5, 63742), (7, 63832), (8, 63889),

Gene: Raela\_116 Start: 64241, Stop: 64486, Start Num: 4

Candidate Starts for Raela\_116:

(Start: 4 @64241 has 13 MA's), (5, 64298), (7, 64388), (8, 64445),

Gene: RedRaider77\_114 Start: 63688, Stop: 63933, Start Num: 4

Candidate Starts for RedRaider77\_114:

(1, 63544), (2, 63583), (3, 63586), (Start: 4 @63688 has 13 MA's), (5, 63745), (7, 63835),

Gene: Tesla\_110 Start: 63486, Stop: 63731, Start Num: 4

Candidate Starts for Tesla\_110:

(Start: 4 @63486 has 13 MA's), (5, 63543), (7, 63633), (8, 63690),

Gene: VasuNzinga\_112 Start: 63774, Stop: 64019, Start Num: 4

Candidate Starts for VasuNzinga\_112:

(Start: 4 @63774 has 13 MA's), (5, 63831), (6, 63867), (7, 63921),