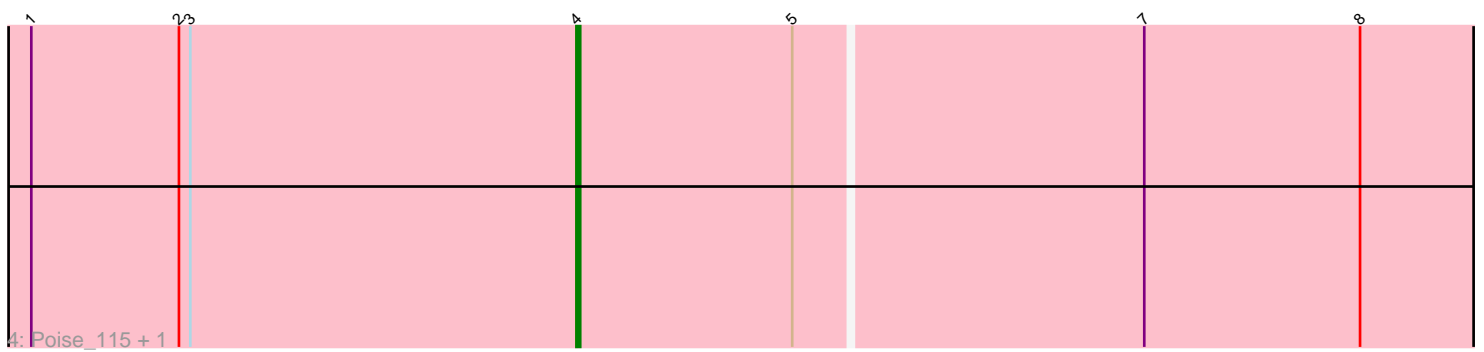
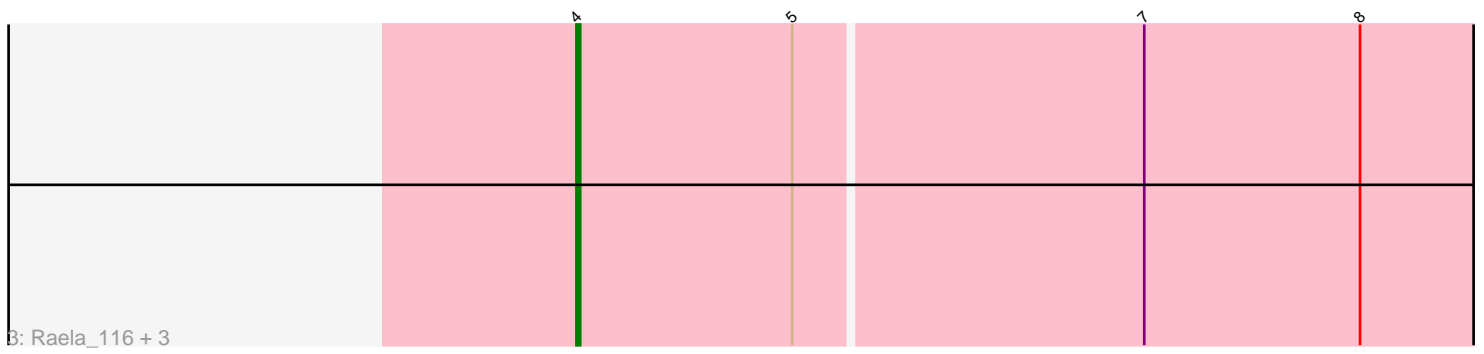
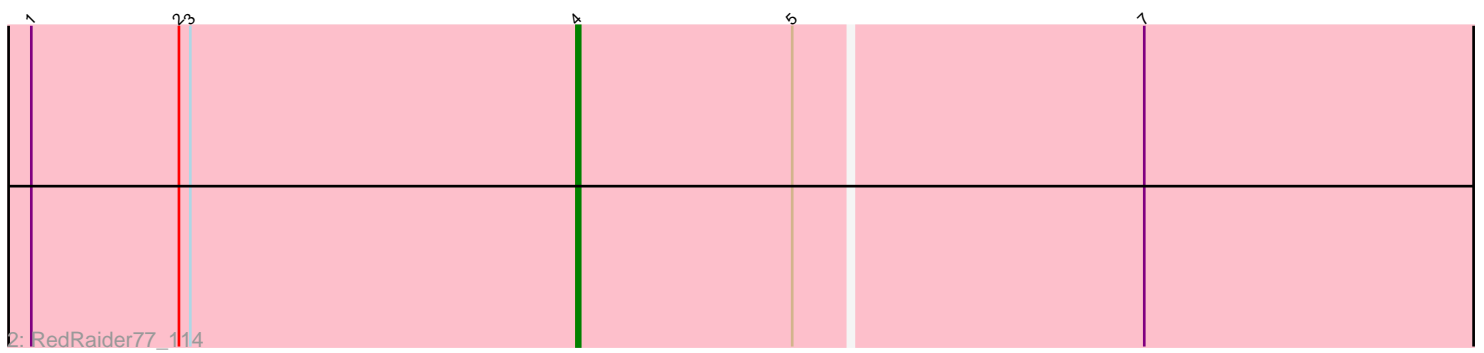
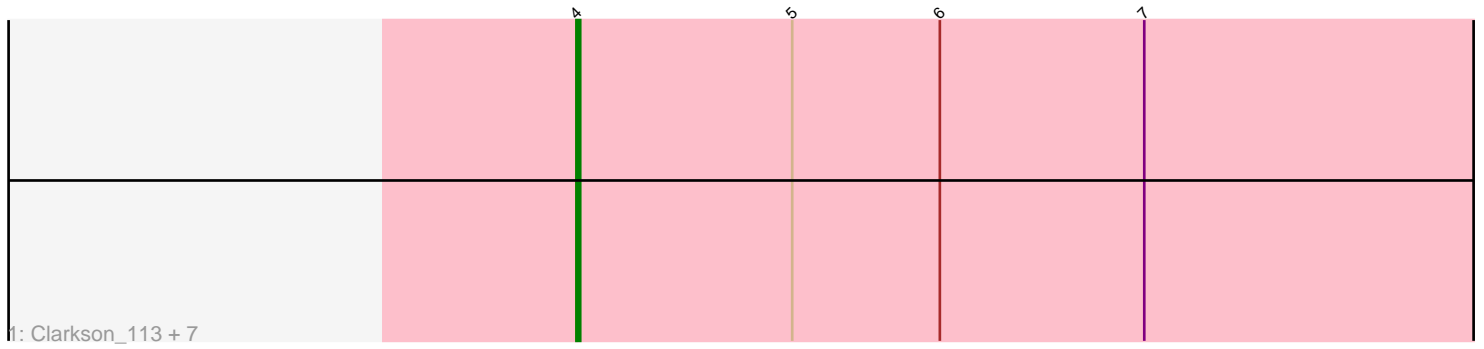


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 4807 Report

This analysis was run 04/28/24 on database version 559.

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),