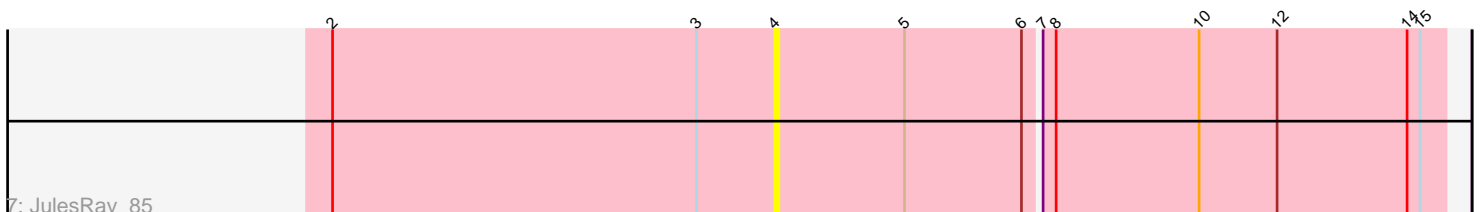
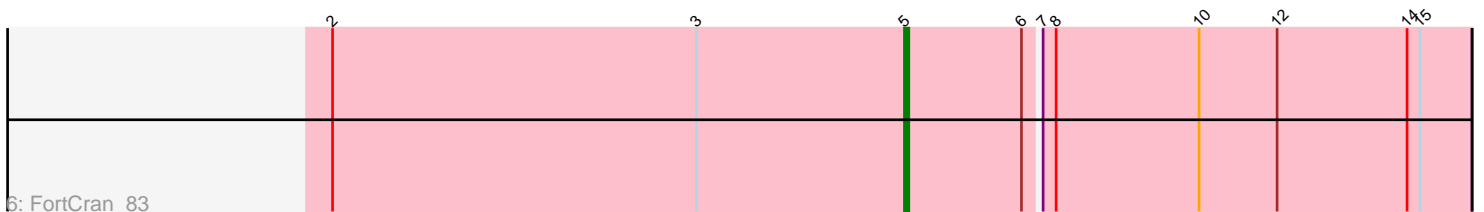
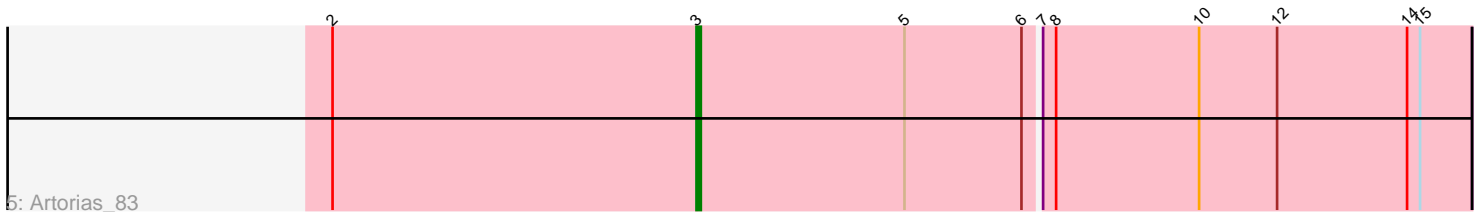
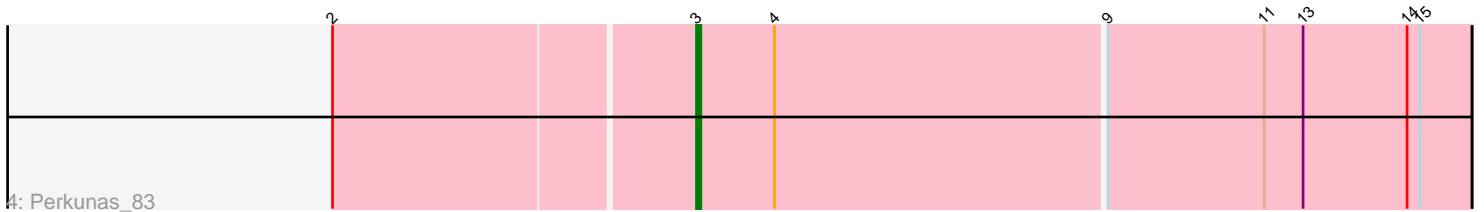
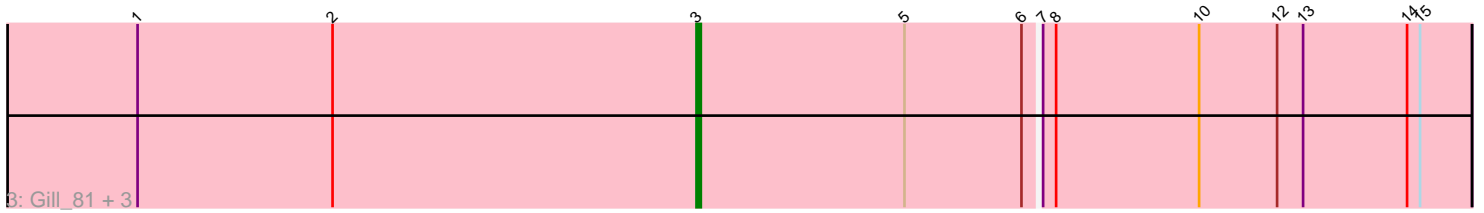
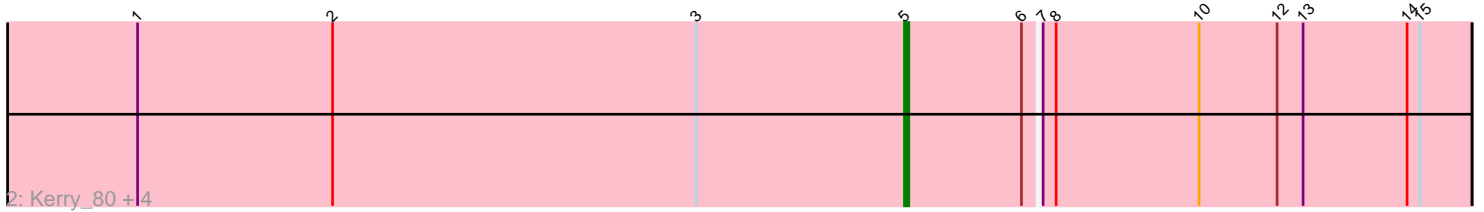
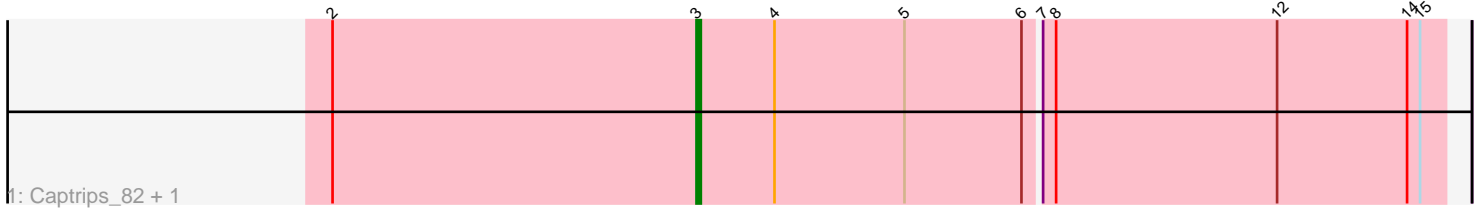


Pham 173298



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 173298 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173298 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Captrips_82, Avazak_84
- Track 2 : Kerry_80, Capybara_81, Gravy_80, Tanis_81, NoPickles_82
- Track 3 : Gill_81, Magel_82, Odesza_80, Roney_80
- Track 4 : Perkunas_83
- Track 5 : Artorias_83
- Track 6 : FortCran_83
- Track 7 : JulesRay_85

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_83, Avazak_84, Captrips_82, Gill_81, Magel_82, Odesza_80, Perkunas_83, Roney_80,

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

- Capybara_81, FortCran_83, Gravy_80, JulesRay_85, Kerry_80, NoPickles_82, Tanis_81,

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

-

Summary by start number:

Start 3:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 13
- Called 53.3% of time when present
- Phage (with cluster) where this start called: Artorias_83 (DJ), Avazak_84 (DJ), Captrips_82 (DJ), Gill_81 (DJ), Magel_82 (DJ), Odesza_80 (DJ), Perkunas_83 (DJ), Roney_80 (DJ),

Start 4:

- Found in 4 of 15 (26.7%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: JulesRay_85 (DJ),

Start 5:

- Found in 14 of 15 (93.3%) of genes in pham
- Manual Annotations of this start: 5 of 13
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Capybara_81 (DJ), FortCran_83 (DJ), Gravy_80 (DJ), Kerry_80 (DJ), NoPickles_82 (DJ), Tanis_81 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 3 was manually annotated 8 times for cluster DJ.
- Start number 5 was manually annotated 5 times for cluster DJ.

Gene Information:

Gene: Artorias_83 Start: 52354, Stop: 52530, Start Num: 3

Candidate Starts for Artorias_83:

(2, 52270), (Start: 3 @52354 has 8 MA's), (Start: 5 @52402 has 5 MA's), (6, 52429), (7, 52432), (8, 52435), (10, 52468), (12, 52486), (14, 52516), (15, 52519),

Gene: Avazak_84 Start: 53036, Stop: 53206, Start Num: 3

Candidate Starts for Avazak_84:

(2, 52952), (Start: 3 @53036 has 8 MA's), (4, 53054), (Start: 5 @53084 has 5 MA's), (6, 53111), (7, 53114), (8, 53117), (12, 53168), (14, 53198), (15, 53201),

Gene: Captrips_82 Start: 52184, Stop: 52354, Start Num: 3

Candidate Starts for Captrips_82:

(2, 52100), (Start: 3 @52184 has 8 MA's), (4, 52202), (Start: 5 @52232 has 5 MA's), (6, 52259), (7, 52262), (8, 52265), (12, 52316), (14, 52346), (15, 52349),

Gene: Capybara_81 Start: 52069, Stop: 52197, Start Num: 5

Candidate Starts for Capybara_81:

(1, 51892), (2, 51937), (Start: 3 @52021 has 8 MA's), (Start: 5 @52069 has 5 MA's), (6, 52096), (7, 52099), (8, 52102), (10, 52135), (12, 52153), (13, 52159), (14, 52183), (15, 52186),

Gene: FortCran_83 Start: 52402, Stop: 52530, Start Num: 5

Candidate Starts for FortCran_83:

(2, 52270), (Start: 3 @52354 has 8 MA's), (Start: 5 @52402 has 5 MA's), (6, 52429), (7, 52432), (8, 52435), (10, 52468), (12, 52486), (14, 52516), (15, 52519),

Gene: Gill_81 Start: 52048, Stop: 52224, Start Num: 3

Candidate Starts for Gill_81:

(1, 51919), (2, 51964), (Start: 3 @52048 has 8 MA's), (Start: 5 @52096 has 5 MA's), (6, 52123), (7, 52126), (8, 52129), (10, 52162), (12, 52180), (13, 52186), (14, 52210), (15, 52213),

Gene: Gravy_80 Start: 51759, Stop: 51887, Start Num: 5

Candidate Starts for Gravy_80:

(1, 51582), (2, 51627), (Start: 3 @51711 has 8 MA's), (Start: 5 @51759 has 5 MA's), (6, 51786), (7, 51789), (8, 51792), (10, 51825), (12, 51843), (13, 51849), (14, 51873), (15, 51876),

Gene: JulesRay_85 Start: 52721, Stop: 52873, Start Num: 4

Candidate Starts for JulesRay_85:

(2, 52619), (Start: 3 @52703 has 8 MA's), (4, 52721), (Start: 5 @52751 has 5 MA's), (6, 52778), (7, 52781), (8, 52784), (10, 52817), (12, 52835), (14, 52865), (15, 52868),

Gene: Kerry_80 Start: 51822, Stop: 51950, Start Num: 5

Candidate Starts for Kerry_80:

(1, 51645), (2, 51690), (Start: 3 @51774 has 8 MA's), (Start: 5 @51822 has 5 MA's), (6, 51849), (7, 51852), (8, 51855), (10, 51888), (12, 51906), (13, 51912), (14, 51936), (15, 51939),

Gene: Magel_82 Start: 51963, Stop: 52139, Start Num: 3

Candidate Starts for Magel_82:

(1, 51834), (2, 51879), (Start: 3 @51963 has 8 MA's), (Start: 5 @52011 has 5 MA's), (6, 52038), (7, 52041), (8, 52044), (10, 52077), (12, 52095), (13, 52101), (14, 52125), (15, 52128),

Gene: NoPickles_82 Start: 51918, Stop: 52046, Start Num: 5

Candidate Starts for NoPickles_82:

(1, 51741), (2, 51786), (Start: 3 @51870 has 8 MA's), (Start: 5 @51918 has 5 MA's), (6, 51945), (7, 51948), (8, 51951), (10, 51984), (12, 52002), (13, 52008), (14, 52032), (15, 52035),

Gene: Odesza_80 Start: 51910, Stop: 52086, Start Num: 3

Candidate Starts for Odesza_80:

(1, 51781), (2, 51826), (Start: 3 @51910 has 8 MA's), (Start: 5 @51958 has 5 MA's), (6, 51985), (7, 51988), (8, 51991), (10, 52024), (12, 52042), (13, 52048), (14, 52072), (15, 52075),

Gene: Perkunas_83 Start: 51968, Stop: 52144, Start Num: 3

Candidate Starts for Perkunas_83:

(2, 51887), (Start: 3 @51968 has 8 MA's), (4, 51986), (9, 52061), (11, 52097), (13, 52106), (14, 52130), (15, 52133),

Gene: Roney_80 Start: 52073, Stop: 52249, Start Num: 3

Candidate Starts for Roney_80:

(1, 51944), (2, 51989), (Start: 3 @52073 has 8 MA's), (Start: 5 @52121 has 5 MA's), (6, 52148), (7, 52151), (8, 52154), (10, 52187), (12, 52205), (13, 52211), (14, 52235), (15, 52238),

Gene: Tanis_81 Start: 51941, Stop: 52069, Start Num: 5

Candidate Starts for Tanis_81:

(1, 51764), (2, 51809), (Start: 3 @51893 has 8 MA's), (Start: 5 @51941 has 5 MA's), (6, 51968), (7, 51971), (8, 51974), (10, 52007), (12, 52025), (13, 52031), (14, 52055), (15, 52058),