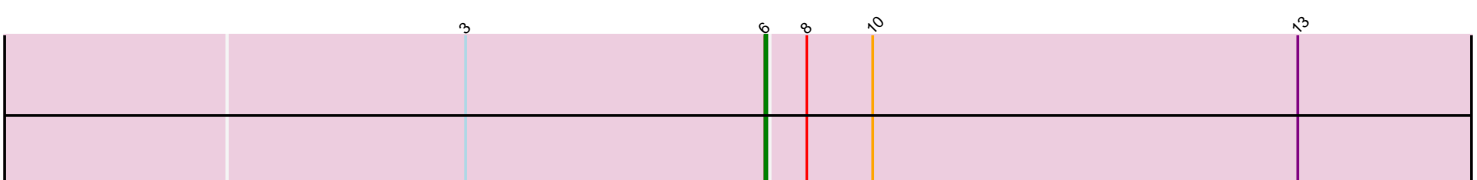
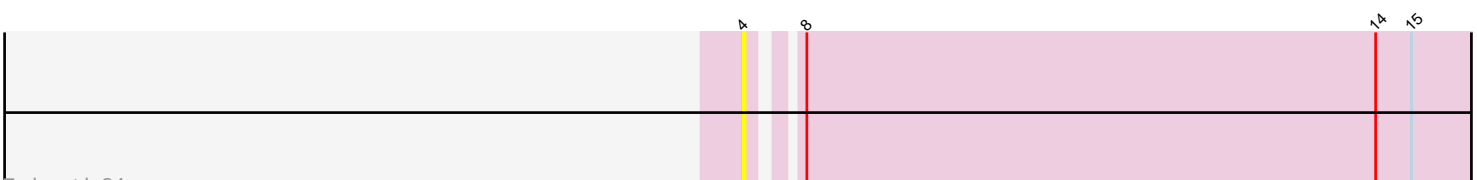
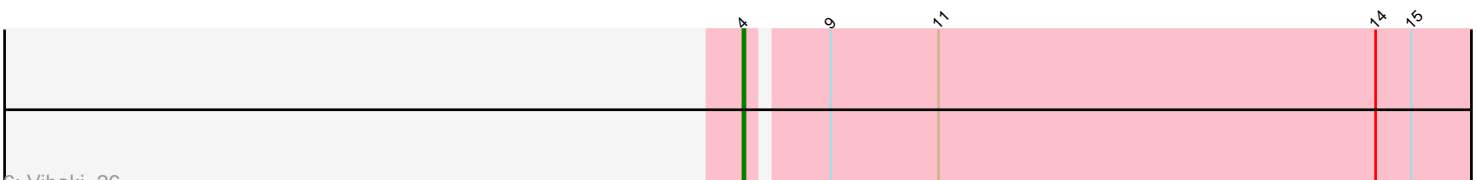
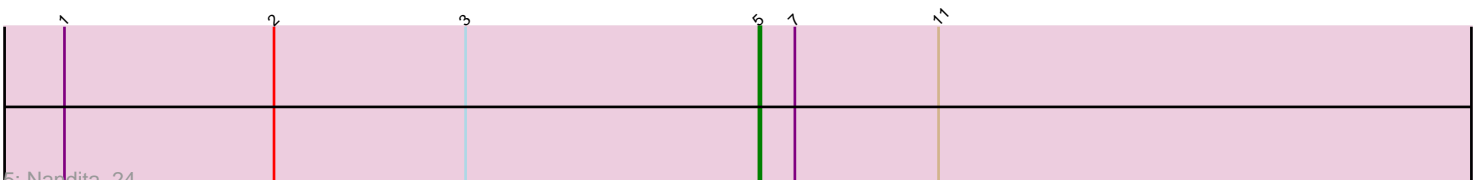
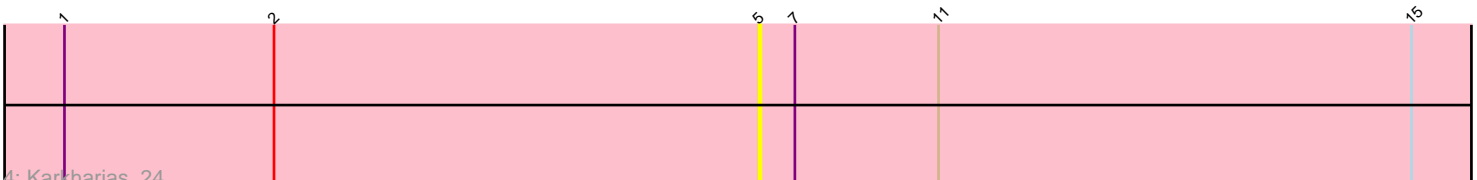
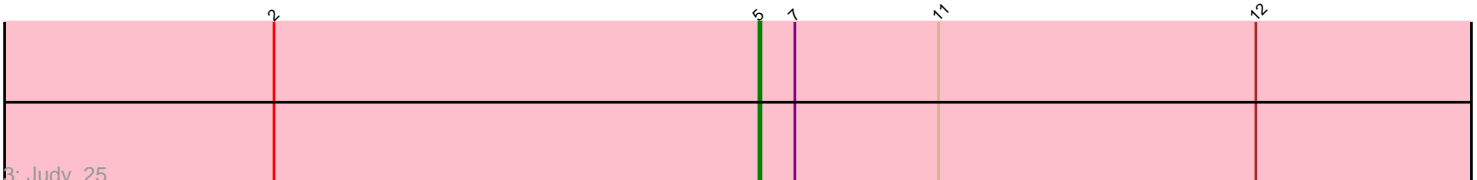
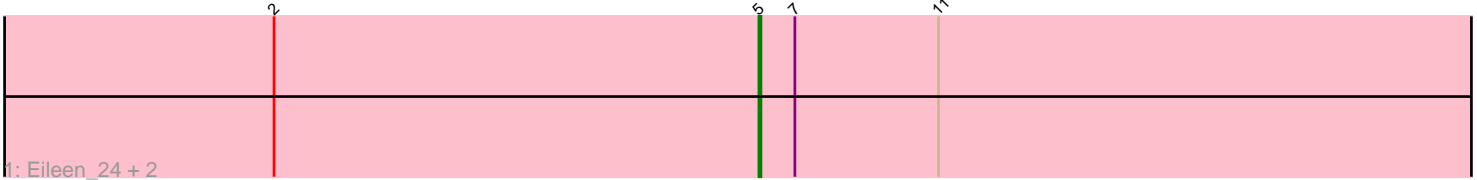


Pham 6980



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 6980 Report

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

Pham number 6980 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Eileen_24, Peas_24, Bridgette_24
- Track 2 : Pucara_24
- Track 3 : Judy_25
- Track 4 : Karkharias_24
- Track 5 : Nandita_24
- Track 6 : Vibaki_26
- Track 7 : JanetJ_24
- Track 8 : EvenBluerMoon_30, Aoka_24

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bridgette_24, Eileen_24, Judy_25, Karkharias_24, Nandita_24, Peas_24, Pucara_24,

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

-

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

- Aoka_24, EvenBluerMoon_30, JanetJ_24, Vibaki_26,

Summary by start number:

Start 4:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JanetJ_24 (FO), Vibaki_26 (FL),

Start 5:

- Found in 7 of 11 (63.6%) of genes in pham

- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bridgette_24 (FA), Eileen_24 (FA), Judy_25 (FA), Karkharias_24 (FA), Nandita_24 (FF), Peas_24 (FA), Pucara_24 (FA),

Start 6:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aoka_24 (FO), EvenBluerMoon_30 (FO),

Summary by clusters:

There are 4 clusters represented in this pham: FA, FL, FF, FO,

Info for manual annotations of cluster FA:

- Start number 5 was manually annotated 4 times for cluster FA.

Info for manual annotations of cluster FF:

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

Info for manual annotations of cluster FL:

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

Info for manual annotations of cluster FO:

- Start number 6 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Aoka_24 Start: 21839, Stop: 22237, Start Num: 6

Candidate Starts for Aoka_24:

(3, 21689), (Start: 6 @21839 has 1 MA's), (8, 21857), (10, 21890), (13, 22103),

Gene: Bridgette_24 Start: 19025, Stop: 19426, Start Num: 5

Candidate Starts for Bridgette_24:

(2, 18782), (Start: 5 @19025 has 5 MA's), (7, 19043), (11, 19115),

Gene: Eileen_24 Start: 18963, Stop: 19364, Start Num: 5

Candidate Starts for Eileen_24:

(2, 18720), (Start: 5 @18963 has 5 MA's), (7, 18981), (11, 19053),

Gene: EvenBluerMoon_30 Start: 21874, Stop: 22272, Start Num: 6

Candidate Starts for EvenBluerMoon_30:

(3, 21724), (Start: 6 @21874 has 1 MA's), (8, 21892), (10, 21925), (13, 22138),

Gene: JanetJ_24 Start: 21978, Stop: 22376, Start Num: 4

Candidate Starts for JanetJ_24:

(Start: 4 @21978 has 1 MA's), (8, 21996), (14, 22281), (15, 22299),

Gene: Judy_25 Start: 19275, Stop: 19676, Start Num: 5

Candidate Starts for Judy_25:

(2, 19032), (Start: 5 @19275 has 5 MA's), (7, 19293), (11, 19365), (12, 19524),

Gene: Karkharias_24 Start: 18965, Stop: 19366, Start Num: 5

Candidate Starts for Karkharias_24:

(1, 18617), (2, 18722), (Start: 5 @18965 has 5 MA's), (7, 18983), (11, 19055), (15, 19292),

Gene: Nandita_24 Start: 18217, Stop: 18618, Start Num: 5

Candidate Starts for Nandita_24:

(1, 17869), (2, 17974), (3, 18070), (Start: 5 @18217 has 5 MA's), (7, 18235), (11, 18307),

Gene: Peas_24 Start: 18963, Stop: 19364, Start Num: 5

Candidate Starts for Peas_24:

(2, 18720), (Start: 5 @18963 has 5 MA's), (7, 18981), (11, 19053),

Gene: Pucara_24 Start: 18962, Stop: 19330, Start Num: 5

Candidate Starts for Pucara_24:

(1, 18614), (2, 18719), (Start: 5 @18962 has 5 MA's), (7, 18980), (11, 19052),

Gene: Vibaki_26 Start: 24977, Stop: 25381, Start Num: 4

Candidate Starts for Vibaki_26:

(Start: 4 @24977 has 1 MA's), (9, 25013), (11, 25067), (14, 25286), (15, 25304),