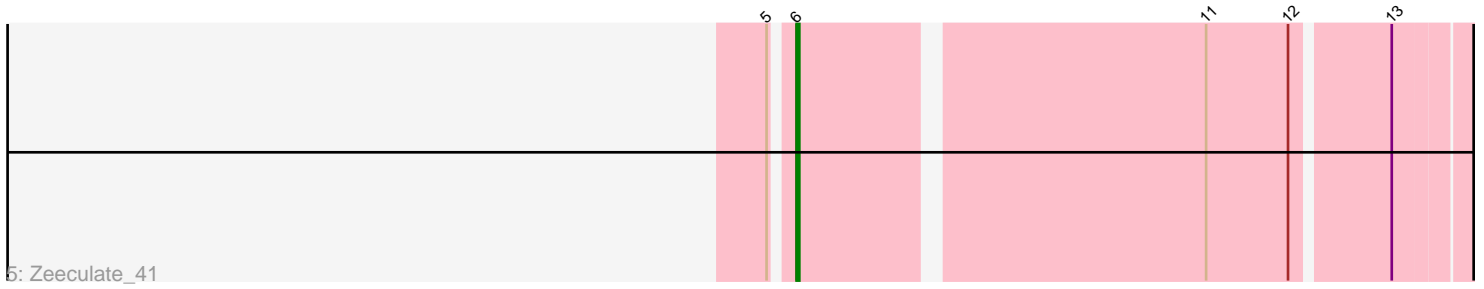
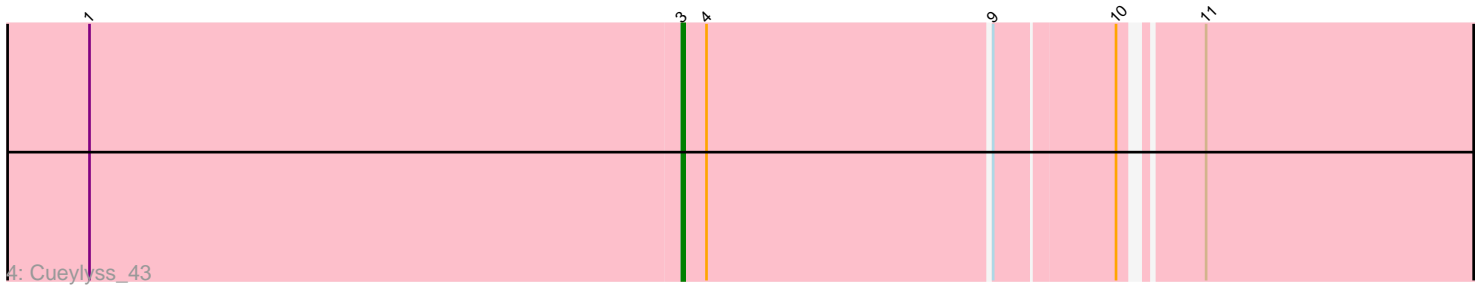
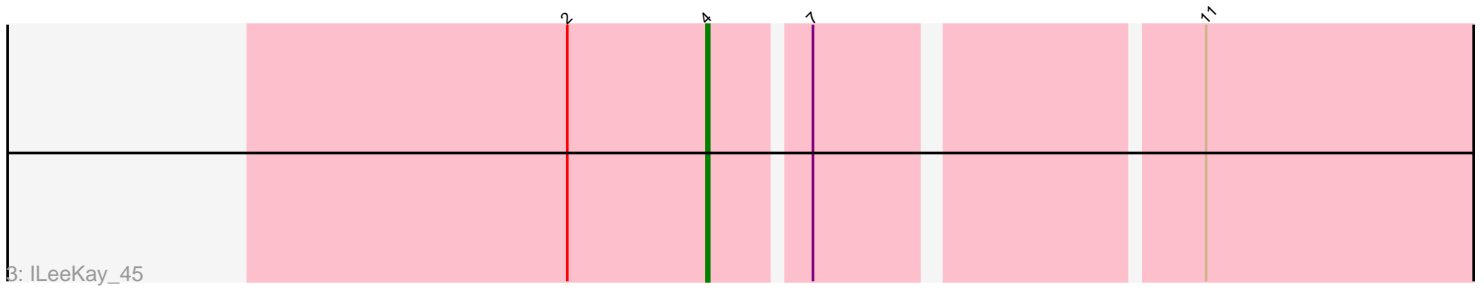
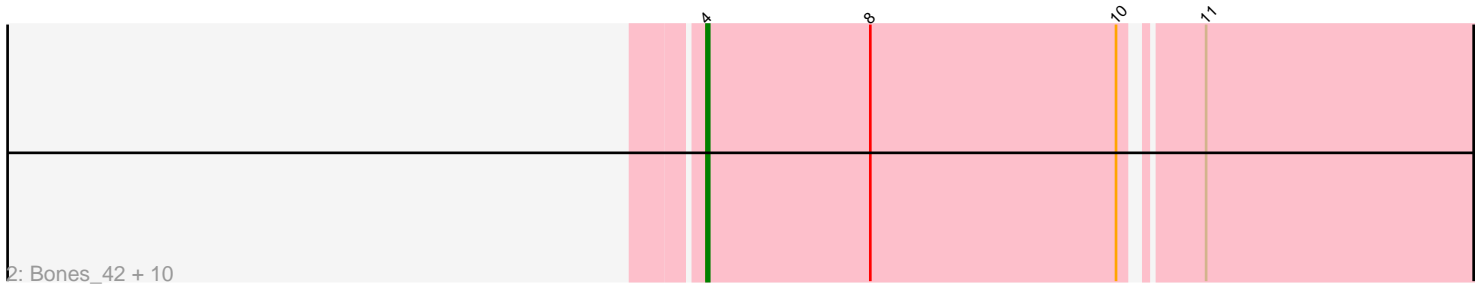
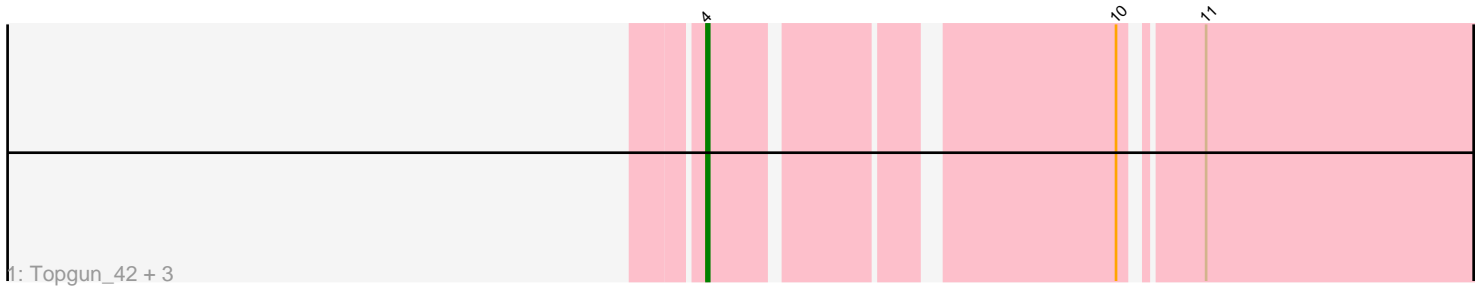


Pham 194387



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 194387 Report

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

Pham number 194387 has 18 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Topgun_42, Bircsak_42, Gompeii16_42, Wilkins_42
- Track 2 : Bones_42, Agaliana_39, PacerPaul_43, BigPaolini_42, Licorice_45, Graduation_45, Eyeball_43, Smairt_44, Francis47_42, KBG_44, Doom_43
- Track 3 : ILeeKay_45
- Track 4 : Cueylyss_43
- Track 5 : Zeeculate_41

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 15 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agaliana_39, BigPaolini_42, Bircsak_42, Bones_42, Doom_43, Eyeball_43, Francis47_42, Gompeii16_42, Graduation_45, ILeeKay_45, KBG_44, Licorice_45, PacerPaul_43, Smairt_44, Topgun_42, Wilkins_42,

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

- Cueylyss_43,

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

- Zeeculate_41,

Summary by start number:

Start 3:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cueylyss_43 (A1),

Start 4:

- Found in 17 of 18 (94.4%) of genes in pham
- Manual Annotations of this start: 15 of 17

- Called 94.1% of time when present
- Phage (with cluster) where this start called: Agaliana_39 (A1), BigPaolini_42 (A1), Bircsak_42 (A1), Bones_42 (A1), Doom_43 (A1), Eyeball_43 (A1), Francis47_42 (A1), Gompeii16_42 (A1), Graduation_45 (A1), ILeeKay_45 (A1), KBG_44 (A1), Licorice_45 (A1), PacerPaul_43 (A1), Smairt_44 (A1), Topgun_42 (A1), Wilkins_42 (A1),

Start 6:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zeeculate_41 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 3 was manually annotated 1 time for cluster A1.
- Start number 4 was manually annotated 15 times for cluster A1.
- Start number 6 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Agaliana_39 Start: 29400, Stop: 29104, Start Num: 4

Candidate Starts for Agaliana_39:

(Start: 4 @29400 has 15 MA's), (8, 29340), (10, 29250), (11, 29226),

Gene: BigPaolini_42 Start: 30984, Stop: 30688, Start Num: 4

Candidate Starts for BigPaolini_42:

(Start: 4 @30984 has 15 MA's), (8, 30924), (10, 30834), (11, 30810),

Gene: Bircsak_42 Start: 32977, Stop: 32699, Start Num: 4

Candidate Starts for Bircsak_42:

(Start: 4 @32977 has 15 MA's), (10, 32845), (11, 32821),

Gene: Bones_42 Start: 32480, Stop: 32184, Start Num: 4

Candidate Starts for Bones_42:

(Start: 4 @32480 has 15 MA's), (8, 32420), (10, 32330), (11, 32306),

Gene: Cueylyss_43 Start: 32715, Stop: 32416, Start Num: 3

Candidate Starts for Cueylyss_43:

(1, 32931), (Start: 3 @32715 has 1 MA's), (Start: 4 @32706 has 15 MA's), (9, 32604), (10, 32562), (11, 32538),

Gene: Doom_43 Start: 32905, Stop: 32609, Start Num: 4

Candidate Starts for Doom_43:

(Start: 4 @32905 has 15 MA's), (8, 32845), (10, 32755), (11, 32731),

Gene: Eyeball_43 Start: 32382, Stop: 32086, Start Num: 4

Candidate Starts for Eyeball_43:

(Start: 4 @32382 has 15 MA's), (8, 32322), (10, 32232), (11, 32208),

Gene: Francis47_42 Start: 33244, Stop: 32948, Start Num: 4

Candidate Starts for Francis47_42:

(Start: 4 @33244 has 15 MA's), (8, 33184), (10, 33094), (11, 33070),

Gene: Gompeii16_42 Start: 32978, Stop: 32700, Start Num: 4

Candidate Starts for Gompeii16_42:

(Start: 4 @32978 has 15 MA's), (10, 32846), (11, 32822),

Gene: Graduation_45 Start: 33299, Stop: 33003, Start Num: 4

Candidate Starts for Graduation_45:

(Start: 4 @33299 has 15 MA's), (8, 33239), (10, 33149), (11, 33125),

Gene: ILeeKay_45 Start: 32737, Stop: 32453, Start Num: 4

Candidate Starts for ILeeKay_45:

(2, 32788), (Start: 4 @32737 has 15 MA's), (7, 32704), (11, 32575),

Gene: KBG_44 Start: 33689, Stop: 33393, Start Num: 4

Candidate Starts for KBG_44:

(Start: 4 @33689 has 15 MA's), (8, 33629), (10, 33539), (11, 33515),

Gene: Licorice_45 Start: 33580, Stop: 33284, Start Num: 4

Candidate Starts for Licorice_45:

(Start: 4 @33580 has 15 MA's), (8, 33520), (10, 33430), (11, 33406),

Gene: PacerPaul_43 Start: 32611, Stop: 32315, Start Num: 4

Candidate Starts for PacerPaul_43:

(Start: 4 @32611 has 15 MA's), (8, 32551), (10, 32461), (11, 32437),

Gene: Smairt_44 Start: 32800, Stop: 32504, Start Num: 4

Candidate Starts for Smairt_44:

(Start: 4 @32800 has 15 MA's), (8, 32740), (10, 32650), (11, 32626),

Gene: Topgun_42 Start: 32088, Stop: 31810, Start Num: 4

Candidate Starts for Topgun_42:

(Start: 4 @32088 has 15 MA's), (10, 31956), (11, 31932),

Gene: Wilkins_42 Start: 32021, Stop: 31743, Start Num: 4

Candidate Starts for Wilkins_42:

(Start: 4 @32021 has 15 MA's), (10, 31889), (11, 31865),

Gene: Zeeculate_41 Start: 32615, Stop: 32361, Start Num: 6

Candidate Starts for Zeeculate_41:

(5, 32621), (Start: 6 @32615 has 1 MA's), (11, 32474), (12, 32444), (13, 32411),