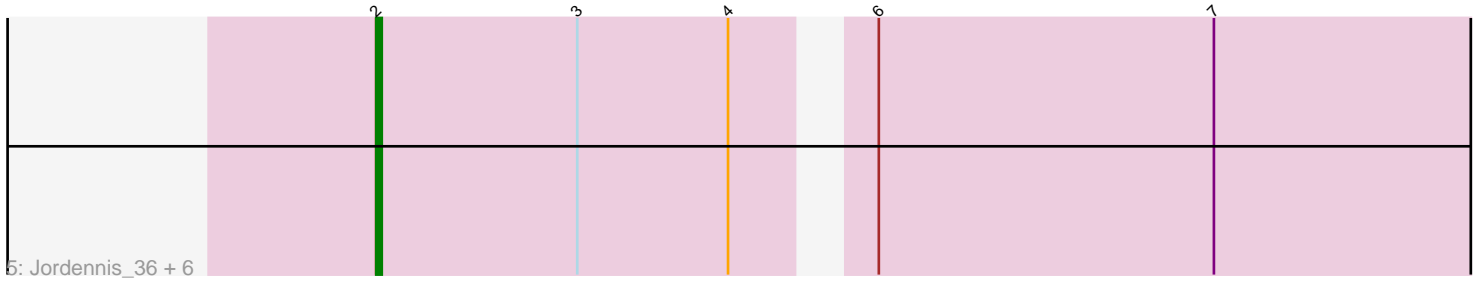
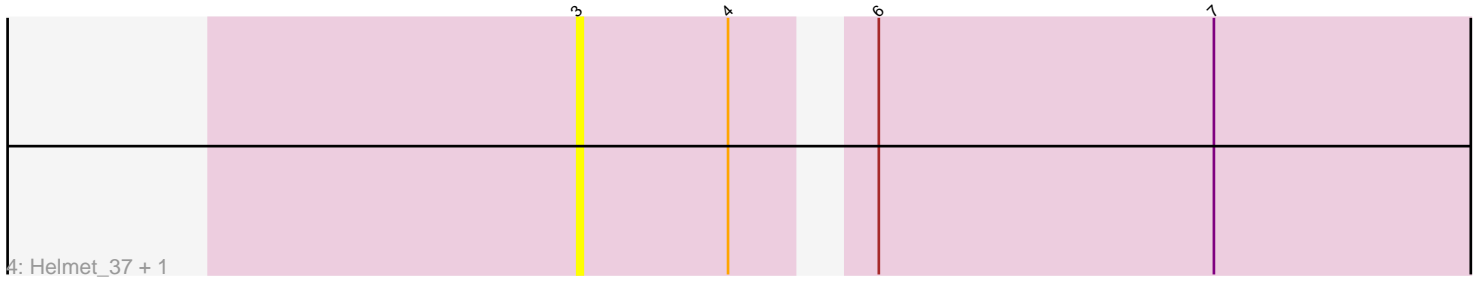
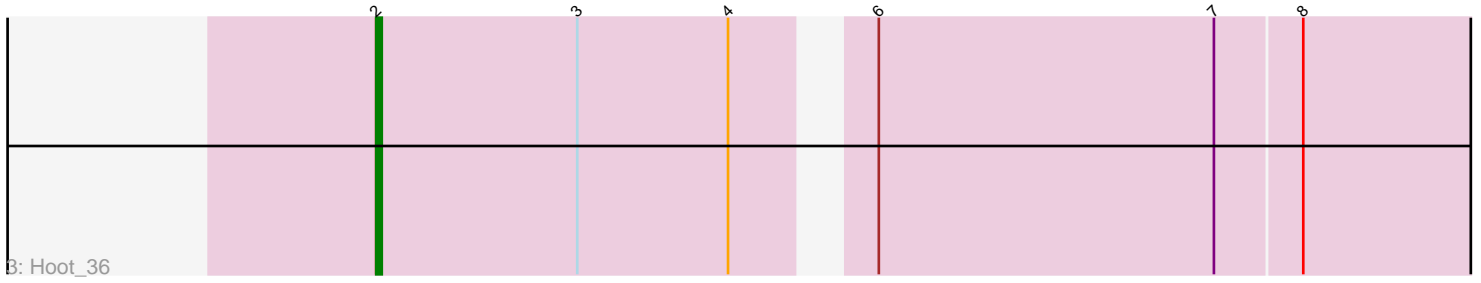
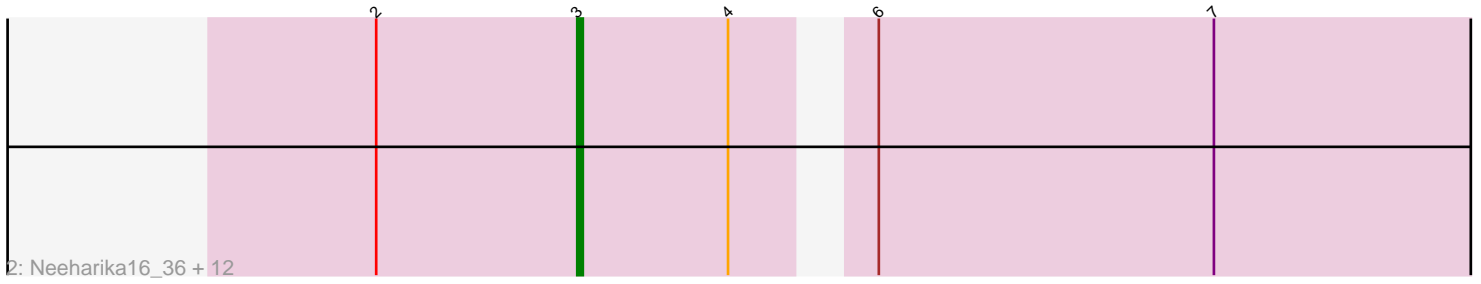
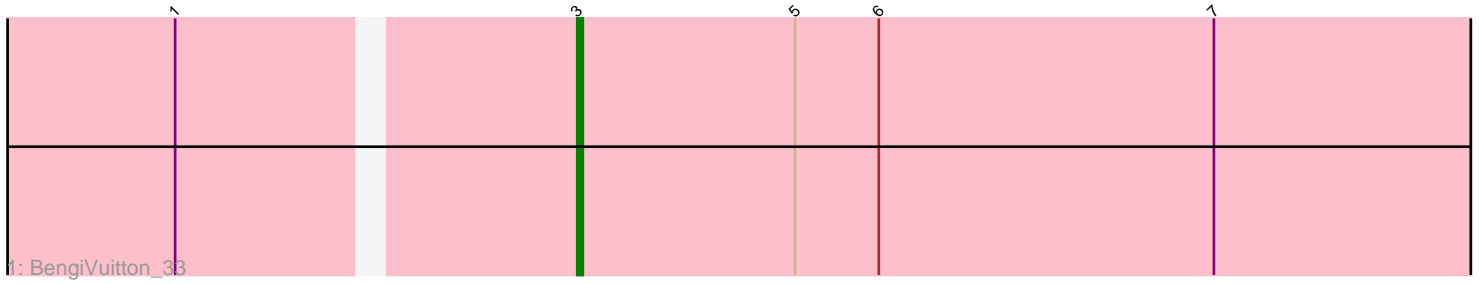


Pham 158146



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 158146 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158146 has 24 members, 4 are drafts.

Phages represented in each track:

- Track 1 : BengiVuitton_33
- Track 2 : Neeharika16_36, GreedyLawyer_36, Priamo_36, DaVinci_36, Candra_36, Kazan_36, EricB_36, McFly_36, Pmask_36, SmellyB_36, Gladiator_36, VohminGhazi_36, Roksolana_36
- Track 3 : Hoot_36
- Track 4 : Helmet_37, Garak_37
- Track 5 : Jordennis_36, Newrala_36, JewelBug_36, Gruunaga_36, Blinn1_36, Cookiedough_36, SuperAwesome_36

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 12 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BengiVuitton_33, Candra_36, DaVinci_36, EricB_36, Garak_37, Gladiator_36, GreedyLawyer_36, Helmet_37, Kazan_36, McFly_36, Neeharika16_36, Pmask_36, Priamo_36, Roksolana_36, SmellyB_36, VohminGhazi_36,

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

- Blinn1_36, Cookiedough_36, Gruunaga_36, Hoot_36, JewelBug_36, Jordennis_36, Newrala_36, SuperAwesome_36,

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

-

Summary by start number:

Start 2:

- Found in 21 of 24 (87.5%) of genes in pham
- Manual Annotations of this start: 8 of 20
- Called 38.1% of time when present
- Phage (with cluster) where this start called: Blinn1_36 (A6), Cookiedough_36 (A6), Gruunaga_36 (A6), Hoot_36 (A6), JewelBug_36 (A6), Jordennis_36 (A6),

Newrala_36 (A6), SuperAwesome_36 (A6),

Start 3:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 20
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BengiVuitton_33 (A2), Candra_36 (A6), DaVinci_36 (A6), EricB_36 (A6), Garak_37 (A6), Gladiator_36 (A6), GreedyLawyer_36 (A6), Helmet_37 (A6), Kazan_36 (A6), McFly_36 (A6), Neeharika16_36 (A6), Pmask_36 (A6), Priamo_36 (A6), Roksolana_36 (A6), SmellyB_36 (A6), VohminGhazi_36 (A6),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A6,

Info for manual annotations of cluster A2:

- Start number 3 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A6:

- Start number 2 was manually annotated 8 times for cluster A6.
- Start number 3 was manually annotated 11 times for cluster A6.

Gene Information:

Gene: BengiVuitton_33 Start: 25416, Stop: 25652, Start Num: 3

Candidate Starts for BengiVuitton_33:

(1, 25350), (Start: 3 @25416 has 12 MA's), (5, 25455), (6, 25470), (7, 25530),

Gene: Blinn1_36 Start: 24284, Stop: 24541, Start Num: 2

Candidate Starts for Blinn1_36:

(Start: 2 @24284 has 8 MA's), (Start: 3 @24320 has 12 MA's), (4, 24347), (6, 24365), (7, 24425),

Gene: Candra_36 Start: 24290, Stop: 24511, Start Num: 3

Candidate Starts for Candra_36:

(Start: 2 @24254 has 8 MA's), (Start: 3 @24290 has 12 MA's), (4, 24317), (6, 24335), (7, 24395),

Gene: Cookiedough_36 Start: 24211, Stop: 24417, Start Num: 2

Candidate Starts for Cookiedough_36:

(Start: 2 @24211 has 8 MA's), (Start: 3 @24247 has 12 MA's), (4, 24274), (6, 24292), (7, 24352),

Gene: DaVinci_36 Start: 24255, Stop: 24476, Start Num: 3

Candidate Starts for DaVinci_36:

(Start: 2 @24219 has 8 MA's), (Start: 3 @24255 has 12 MA's), (4, 24282), (6, 24300), (7, 24360),

Gene: EricB_36 Start: 24247, Stop: 24468, Start Num: 3

Candidate Starts for EricB_36:

(Start: 2 @24211 has 8 MA's), (Start: 3 @24247 has 12 MA's), (4, 24274), (6, 24292), (7, 24352),

Gene: Garak_37 Start: 24255, Stop: 24476, Start Num: 3

Candidate Starts for Garak_37:

(Start: 3 @24255 has 12 MA's), (4, 24282), (6, 24300), (7, 24360),

Gene: Gladiator_36 Start: 24242, Stop: 24463, Start Num: 3

Candidate Starts for Gladiator_36:

(Start: 2 @24206 has 8 MA's), (Start: 3 @24242 has 12 MA's), (4, 24269), (6, 24287), (7, 24347),

Gene: GreedyLawyer_36 Start: 24254, Stop: 24475, Start Num: 3

Candidate Starts for GreedyLawyer_36:

(Start: 2 @24218 has 8 MA's), (Start: 3 @24254 has 12 MA's), (4, 24281), (6, 24299), (7, 24359),

Gene: Gruunaga_36 Start: 24206, Stop: 24463, Start Num: 2

Candidate Starts for Gruunaga_36:

(Start: 2 @24206 has 8 MA's), (Start: 3 @24242 has 12 MA's), (4, 24269), (6, 24287), (7, 24347),

Gene: Helmet_37 Start: 24255, Stop: 24476, Start Num: 3

Candidate Starts for Helmet_37:

(Start: 3 @24255 has 12 MA's), (4, 24282), (6, 24300), (7, 24360),

Gene: Hoot_36 Start: 24197, Stop: 24391, Start Num: 2

Candidate Starts for Hoot_36:

(Start: 2 @24197 has 8 MA's), (Start: 3 @24233 has 12 MA's), (4, 24260), (6, 24278), (7, 24338), (8, 24353),

Gene: JewelBug_36 Start: 24223, Stop: 24480, Start Num: 2

Candidate Starts for JewelBug_36:

(Start: 2 @24223 has 8 MA's), (Start: 3 @24259 has 12 MA's), (4, 24286), (6, 24304), (7, 24364),

Gene: Jordennis_36 Start: 24208, Stop: 24465, Start Num: 2

Candidate Starts for Jordennis_36:

(Start: 2 @24208 has 8 MA's), (Start: 3 @24244 has 12 MA's), (4, 24271), (6, 24289), (7, 24349),

Gene: Kazan_36 Start: 24260, Stop: 24481, Start Num: 3

Candidate Starts for Kazan_36:

(Start: 2 @24224 has 8 MA's), (Start: 3 @24260 has 12 MA's), (4, 24287), (6, 24305), (7, 24365),

Gene: McFly_36 Start: 24254, Stop: 24475, Start Num: 3

Candidate Starts for McFly_36:

(Start: 2 @24218 has 8 MA's), (Start: 3 @24254 has 12 MA's), (4, 24281), (6, 24299), (7, 24359),

Gene: Neeharika16_36 Start: 24247, Stop: 24468, Start Num: 3

Candidate Starts for Neeharika16_36:

(Start: 2 @24211 has 8 MA's), (Start: 3 @24247 has 12 MA's), (4, 24274), (6, 24292), (7, 24352),

Gene: Newrala_36 Start: 24211, Stop: 24468, Start Num: 2

Candidate Starts for Newrala_36:

(Start: 2 @24211 has 8 MA's), (Start: 3 @24247 has 12 MA's), (4, 24274), (6, 24292), (7, 24352),

Gene: Pmask_36 Start: 24248, Stop: 24469, Start Num: 3

Candidate Starts for Pmask_36:

(Start: 2 @24212 has 8 MA's), (Start: 3 @24248 has 12 MA's), (4, 24275), (6, 24293), (7, 24353),

Gene: Priamo_36 Start: 24297, Stop: 24518, Start Num: 3

Candidate Starts for Priamo_36:

(Start: 2 @24261 has 8 MA's), (Start: 3 @24297 has 12 MA's), (4, 24324), (6, 24342), (7, 24402),

Gene: Roksolana_36 Start: 24268, Stop: 24489, Start Num: 3

Candidate Starts for Roksolana_36:

(Start: 2 @24232 has 8 MA's), (Start: 3 @24268 has 12 MA's), (4, 24295), (6, 24313), (7, 24373),

Gene: SmellyB_36 Start: 24254, Stop: 24475, Start Num: 3

Candidate Starts for SmellyB_36:

(Start: 2 @24218 has 8 MA's), (Start: 3 @24254 has 12 MA's), (4, 24281), (6, 24299), (7, 24359),

Gene: SuperAwesome_36 Start: 24211, Stop: 24468, Start Num: 2

Candidate Starts for SuperAwesome_36:

(Start: 2 @24211 has 8 MA's), (Start: 3 @24247 has 12 MA's), (4, 24274), (6, 24292), (7, 24352),

Gene: VohminGhazi_36 Start: 24254, Stop: 24475, Start Num: 3

Candidate Starts for VohminGhazi_36:

(Start: 2 @24218 has 8 MA's), (Start: 3 @24254 has 12 MA's), (4, 24281), (6, 24299), (7, 24359),