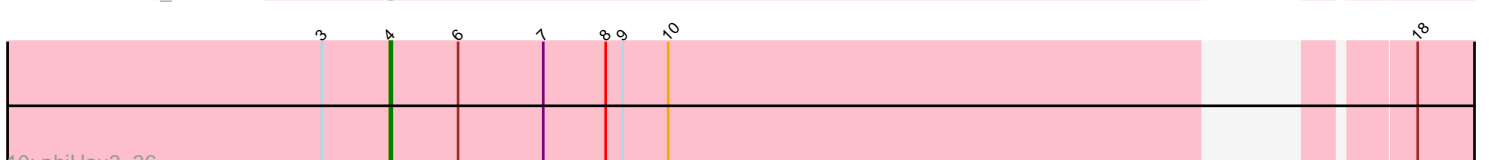
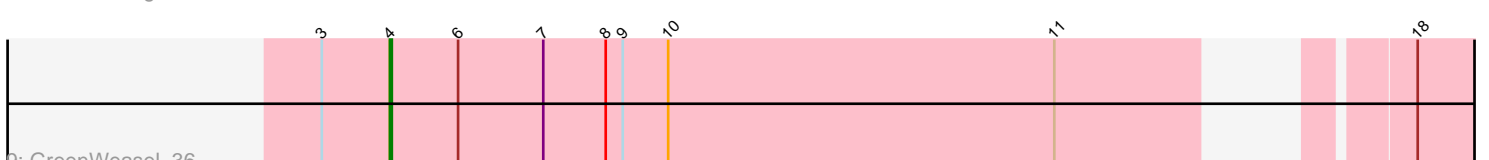
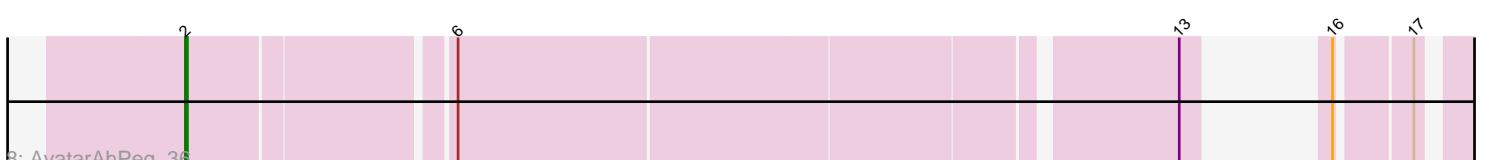
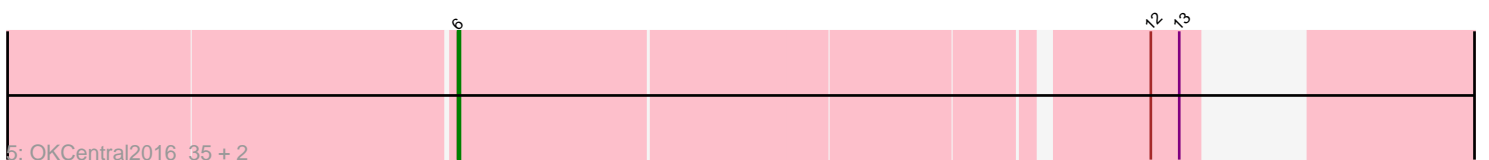
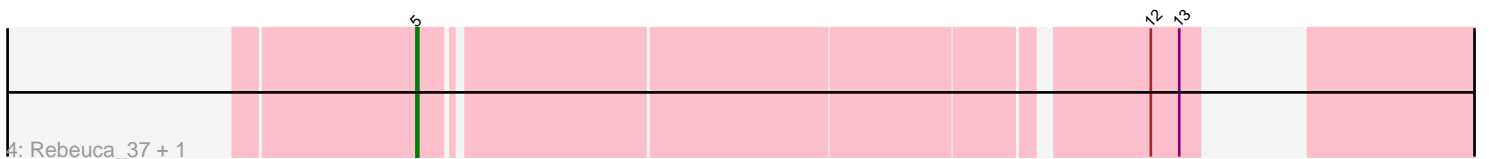
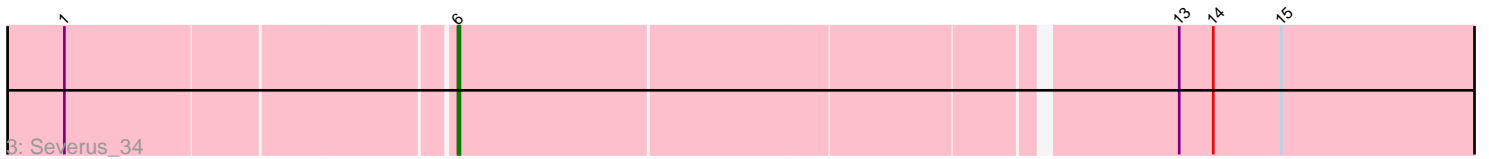
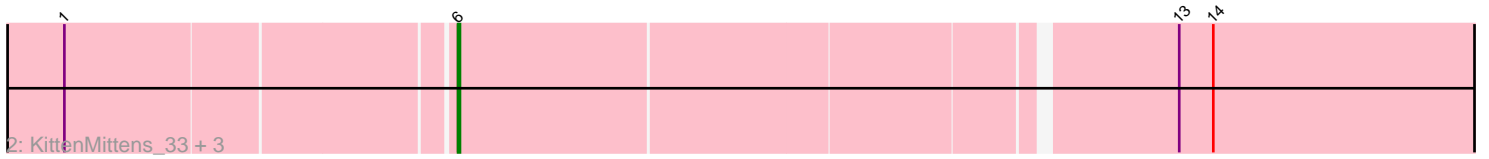
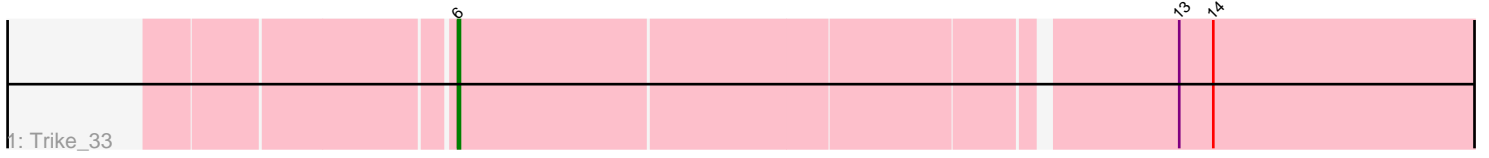


Pham 158230



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 158230 Report

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

Pham number 158230 has 17 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Trike_33
- Track 2 : KittenMittens_33, Drake94_34, PeaceMeal1_34, Poompha_34
- Track 3 : Severus_34
- Track 4 : Rebeuca_37, Kristoff_37
- Track 5 : OKCentral2016_35, Chupacabra_35, Goose_36
- Track 6 : WalterMcMickey_36, Twister_36
- Track 7 : Topanga_36
- Track 8 : AvatarAhPeg_36
- Track 9 : GreenWeasel_36
- Track 10 : phiHau3_36

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chupacabra_35, Drake94_34, Goose_36, KittenMittens_33, OKCentral2016_35, PeaceMeal1_34, Poompha_34, Severus_34, Trike_33,

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

- AvatarAhPeg_36, GreenWeasel_36, phiHau3_36,

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

- Kristoff_37, Rebeuca_37, Topanga_36, Twister_36, WalterMcMickey_36,

Summary by start number:

Start 2:

- Found in 1 of 17 (5.9%) 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: AvatarAhPeg_36 (A4),

Start 4:

- Found in 2 of 17 (11.8%) of genes in pham
- Manual Annotations of this start: 2 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GreenWeasel_36 (BD4), phiHau3_36 (BD4),

Start 5:

- Found in 5 of 17 (29.4%) of genes in pham
- Manual Annotations of this start: 5 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kristoff_37 (A10), Rebeuca_37 (A10), Topanga_36 (A10), Twister_36 (A10), WalterMcMickey_36 (A10),

Start 6:

- Found in 12 of 17 (70.6%) of genes in pham
- Manual Annotations of this start: 9 of 17
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Chupacabra_35 (A10), Drake94_34 (A10), Goose_36 (A10), KittenMittens_33 (A10), OKCentral2016_35 (A10), PeaceMeal1_34 (A10), Poompha_34 (A10), Severus_34 (A10), Trike_33 (A10),

Summary by clusters:

There are 3 clusters represented in this pham: BD4, A10, A4,

Info for manual annotations of cluster A10:

- Start number 5 was manually annotated 5 times for cluster A10.
- Start number 6 was manually annotated 9 times for cluster A10.

Info for manual annotations of cluster A4:

- Start number 2 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster BD4:

- Start number 4 was manually annotated 2 times for cluster BD4.

Gene Information:

Gene: AvatarAhPeg_36 Start: 28482, Stop: 27874, Start Num: 2

Candidate Starts for AvatarAhPeg_36:

(Start: 2 @28482 has 1 MA's), (Start: 6 @28353 has 9 MA's), (13, 27993), (16, 27975), (17, 27942),

Gene: Chupacabra_35 Start: 27785, Stop: 27258, Start Num: 6

Candidate Starts for Chupacabra_35:

(Start: 6 @27785 has 9 MA's), (12, 27440), (13, 27425),

Gene: Drake94_34 Start: 26656, Stop: 26072, Start Num: 6

Candidate Starts for Drake94_34:

(1, 26851), (Start: 6 @26656 has 9 MA's), (13, 26296), (14, 26278),

Gene: Goose_36 Start: 27589, Stop: 27062, Start Num: 6

Candidate Starts for Goose_36:

(Start: 6 @27589 has 9 MA's), (12, 27244), (13, 27229),

Gene: GreenWeasel_36 Start: 26199, Stop: 26711, Start Num: 4

Candidate Starts for GreenWeasel_36:

(3, 26163), (Start: 4 @26199 has 2 MA's), (Start: 6 @26235 has 9 MA's), (7, 26280), (8, 26313), (9, 26322), (10, 26346), (11, 26550), (18, 26679),

Gene: KittenMittens_33 Start: 26664, Stop: 26080, Start Num: 6

Candidate Starts for KittenMittens_33:

(1, 26859), (Start: 6 @26664 has 9 MA's), (13, 26304), (14, 26286),

Gene: Kristoff_37 Start: 28181, Stop: 27642, Start Num: 5

Candidate Starts for Kristoff_37:

(Start: 5 @28181 has 5 MA's), (12, 27824), (13, 27809),

Gene: OKCentral2016_35 Start: 27492, Stop: 26965, Start Num: 6

Candidate Starts for OKCentral2016_35:

(Start: 6 @27492 has 9 MA's), (12, 27147), (13, 27132),

Gene: PeaceMeal1_34 Start: 26665, Stop: 26081, Start Num: 6

Candidate Starts for PeaceMeal1_34:

(1, 26860), (Start: 6 @26665 has 9 MA's), (13, 26305), (14, 26287),

Gene: Poompha_34 Start: 26663, Stop: 26079, Start Num: 6

Candidate Starts for Poompha_34:

(1, 26858), (Start: 6 @26663 has 9 MA's), (13, 26303), (14, 26285),

Gene: Rebeuca_37 Start: 28182, Stop: 27643, Start Num: 5

Candidate Starts for Rebeuca_37:

(Start: 5 @28182 has 5 MA's), (12, 27825), (13, 27810),

Gene: Severus_34 Start: 26663, Stop: 26079, Start Num: 6

Candidate Starts for Severus_34:

(1, 26858), (Start: 6 @26663 has 9 MA's), (13, 26303), (14, 26285), (15, 26249),

Gene: Topanga_36 Start: 28017, Stop: 27481, Start Num: 5

Candidate Starts for Topanga_36:

(Start: 5 @28017 has 5 MA's), (7, 27960), (8, 27927), (9, 27918), (12, 27663), (13, 27648),

Gene: Trike_33 Start: 26496, Stop: 25912, Start Num: 6

Candidate Starts for Trike_33:

(Start: 6 @26496 has 9 MA's), (13, 26136), (14, 26118),

Gene: Twister_36 Start: 27928, Stop: 27389, Start Num: 5

Candidate Starts for Twister_36:

(Start: 5 @27928 has 5 MA's), (12, 27571), (13, 27556),

Gene: WalterMcMickey_36 Start: 27928, Stop: 27389, Start Num: 5

Candidate Starts for WalterMcMickey_36:

(Start: 5 @27928 has 5 MA's), (12, 27571), (13, 27556),

Gene: phiHau3_36 Start: 26164, Stop: 26676, Start Num: 4

Candidate Starts for phiHau3_36:

(3, 26128), (Start: 4 @26164 has 2 MA's), (Start: 6 @26200 has 9 MA's), (7, 26245), (8, 26278), (9, 26287), (10, 26311), (18, 26644),