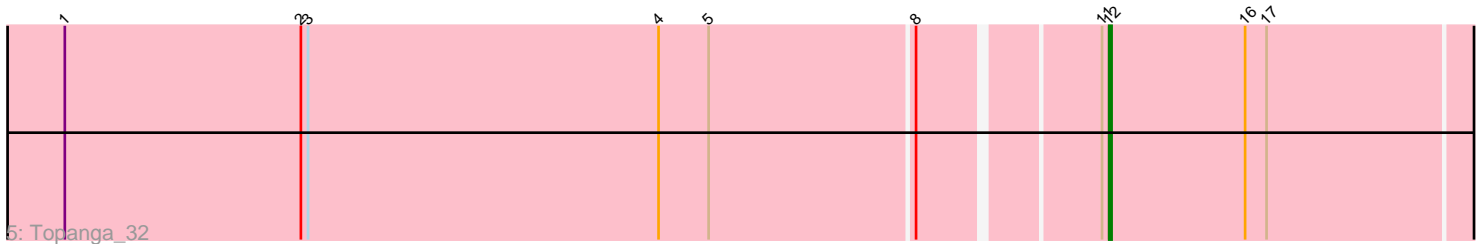
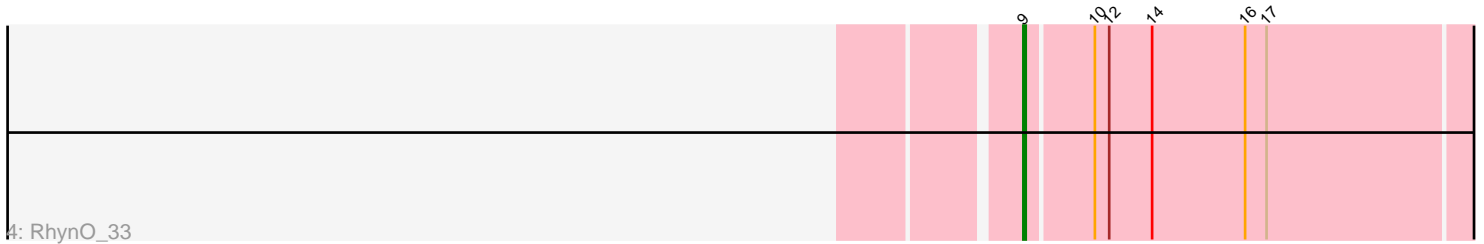
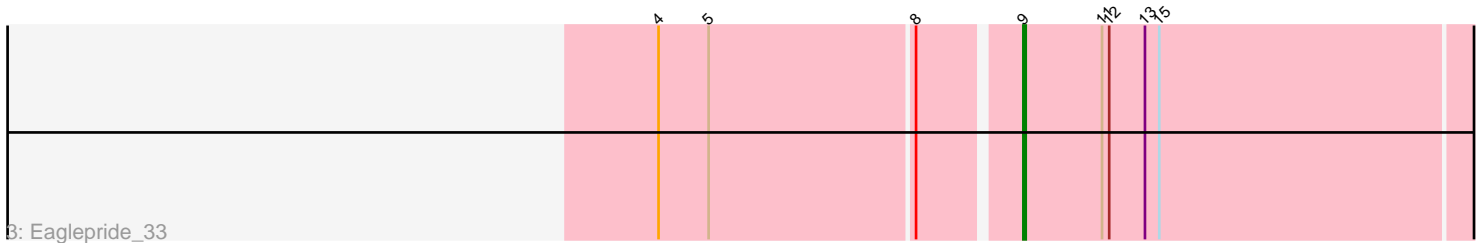
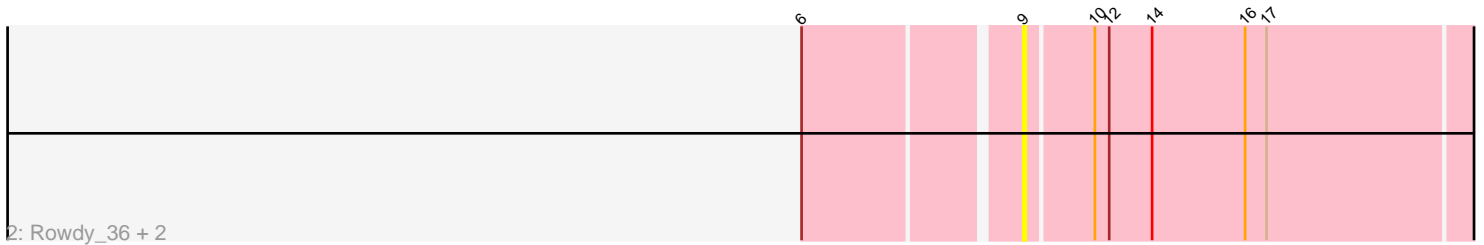
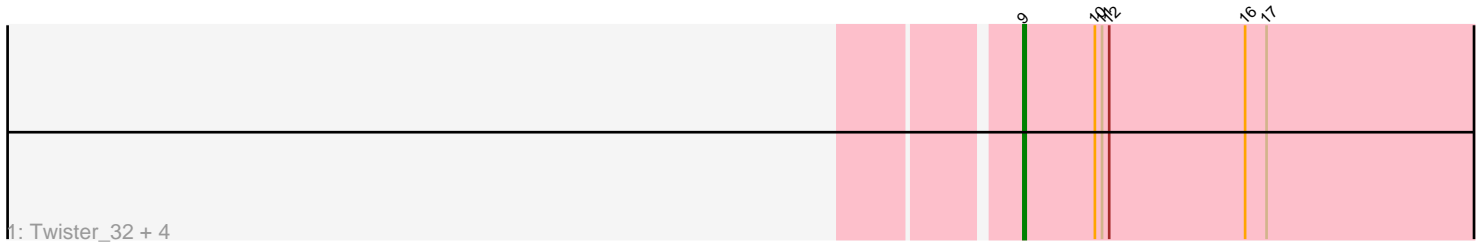


Pham 193018



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 193018 Report

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

Pham number 193018 has 13 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Twister_32, Rebeuca_33, Kristoff_33, Edison31_32, WalterMcMickey_32
- Track 2 : Rowdy_36, Shapes_36, DustyMartin_36
- Track 3 : Eaglepride_33
- Track 4 : RhynO_33
- Track 5 : Topanga_32
- Track 6 : Phrappuccino_196, Settecandela_221

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

The start number called the most often in the published annotations is 9, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DustyMartin_36, Eaglepride_33, Edison31_32, Kristoff_33, Phrappuccino_196, Rebeuca_33, RhynO_33, Rowdy_36, Settecandela_221, Shapes_36, Twister_32, WalterMcMickey_32,

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

-

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

- Topanga_32,

Summary by start number:

Start 9:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DustyMartin_36 (A10), Eaglepride_33 (A10), Edison31_32 (A10), Kristoff_33 (A10), Phrappuccino_196 (AA), Rebeuca_33 (A10), RhynO_33 (A10), Rowdy_36 (A10), Settecandela_221 (AA), Shapes_36 (A10), Twister_32 (A10), WalterMcMickey_32 (A10),

Start 12:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Topanga_32 (A10),

Summary by clusters:

There are 2 clusters represented in this pham: AA, A10,

Info for manual annotations of cluster A10:

- Start number 9 was manually annotated 7 times for cluster A10.
- Start number 12 was manually annotated 1 time for cluster A10.

Info for manual annotations of cluster AA:

- Start number 9 was manually annotated 2 times for cluster AA.

Gene Information:

Gene: DustyMartin_36 Start: 23349, Stop: 23537, Start Num: 9

Candidate Starts for DustyMartin_36:

(6, 23265), (Start: 9 @23349 has 9 MA's), (10, 23376), (Start: 12 @23382 has 1 MA's), (14, 23400), (16, 23439), (17, 23448),

Gene: Eaglepride_33 Start: 23262, Stop: 23453, Start Num: 9

Candidate Starts for Eaglepride_33:

(4, 23118), (5, 23139), (8, 23223), (Start: 9 @23262 has 9 MA's), (11, 23295), (Start: 12 @23298 has 1 MA's), (13, 23313), (15, 23319),

Gene: Edison31_32 Start: 23292, Stop: 23486, Start Num: 9

Candidate Starts for Edison31_32:

(Start: 9 @23292 has 9 MA's), (10, 23322), (11, 23325), (Start: 12 @23328 has 1 MA's), (16, 23385), (17, 23394),

Gene: Kristoff_33 Start: 23456, Stop: 23650, Start Num: 9

Candidate Starts for Kristoff_33:

(Start: 9 @23456 has 9 MA's), (10, 23486), (11, 23489), (Start: 12 @23492 has 1 MA's), (16, 23549), (17, 23558),

Gene: Phrappuccino_196 Start: 132446, Stop: 132622, Start Num: 9

Candidate Starts for Phrappuccino_196:

(7, 132395), (Start: 9 @132446 has 9 MA's), (Start: 12 @132482 has 1 MA's), (13, 132497), (18, 132557), (19, 132605),

Gene: Rebeuca_33 Start: 23457, Stop: 23651, Start Num: 9

Candidate Starts for Rebeuca_33:

(Start: 9 @23457 has 9 MA's), (10, 23487), (11, 23490), (Start: 12 @23493 has 1 MA's), (16, 23550), (17, 23559),

Gene: RhynO_33 Start: 23438, Stop: 23626, Start Num: 9

Candidate Starts for RhynO_33:

(Start: 9 @23438 has 9 MA's), (10, 23465), (Start: 12 @23471 has 1 MA's), (14, 23489), (16, 23528), (17, 23537),

Gene: Rowdy_36 Start: 23349, Stop: 23537, Start Num: 9

Candidate Starts for Rowdy_36:

(6, 23265), (Start: 9 @23349 has 9 MA's), (10, 23376), (Start: 12 @23382 has 1 MA's), (14, 23400), (16, 23439), (17, 23448),

Gene: Settecandela_221 Start: 141293, Stop: 141469, Start Num: 9

Candidate Starts for Settecandela_221:

(7, 141242), (Start: 9 @141293 has 9 MA's), (Start: 12 @141329 has 1 MA's), (13, 141344), (18, 141404), (19, 141452),

Gene: Shapes_36 Start: 23349, Stop: 23537, Start Num: 9

Candidate Starts for Shapes_36:

(6, 23265), (Start: 9 @23349 has 9 MA's), (10, 23376), (Start: 12 @23382 has 1 MA's), (14, 23400), (16, 23439), (17, 23448),

Gene: Topanga_32 Start: 23414, Stop: 23569, Start Num: 12

Candidate Starts for Topanga_32:

(1, 22988), (2, 23087), (3, 23090), (4, 23237), (5, 23258), (8, 23342), (11, 23411), (Start: 12 @23414 has 1 MA's), (16, 23471), (17, 23480),

Gene: Twister_32 Start: 23290, Stop: 23484, Start Num: 9

Candidate Starts for Twister_32:

(Start: 9 @23290 has 9 MA's), (10, 23320), (11, 23323), (Start: 12 @23326 has 1 MA's), (16, 23383), (17, 23392),

Gene: WalterMcMickey_32 Start: 23290, Stop: 23484, Start Num: 9

Candidate Starts for WalterMcMickey_32:

(Start: 9 @23290 has 9 MA's), (10, 23320), (11, 23323), (Start: 12 @23326 has 1 MA's), (16, 23383), (17, 23392),