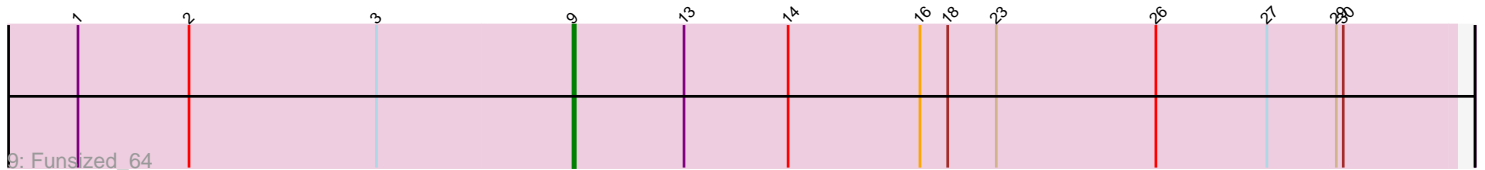
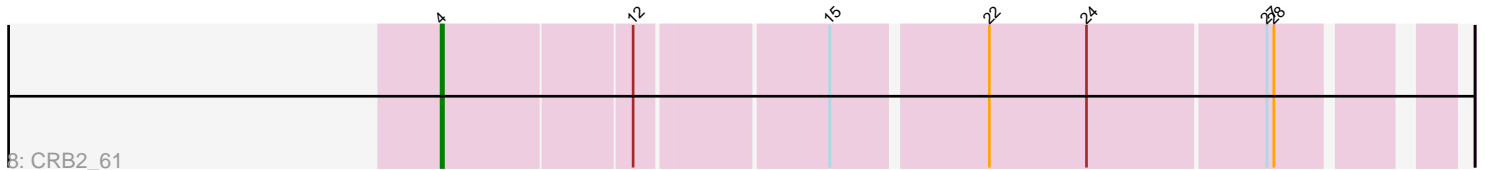
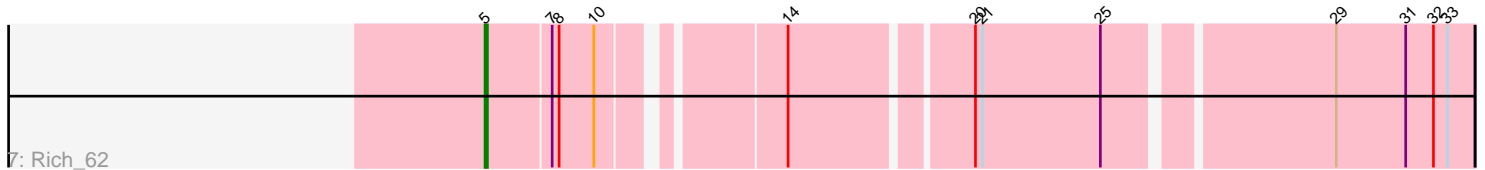
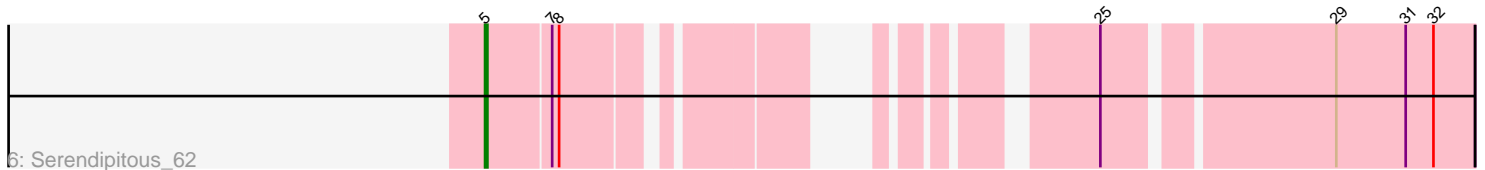
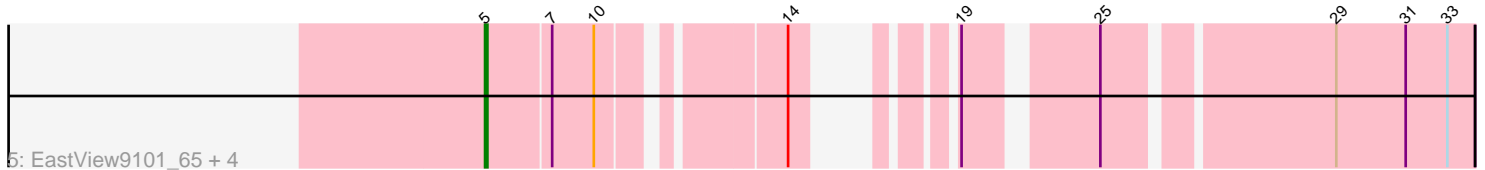
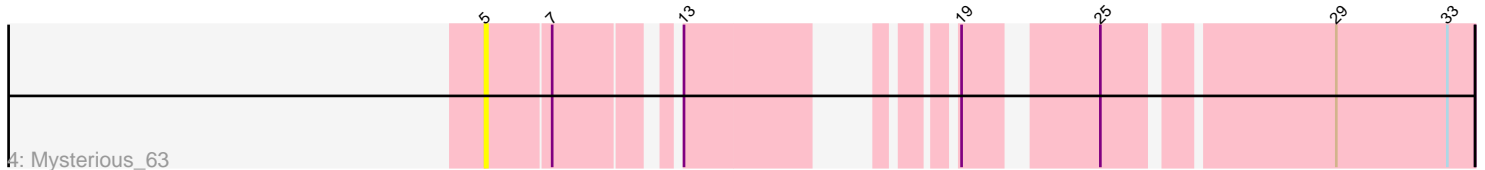
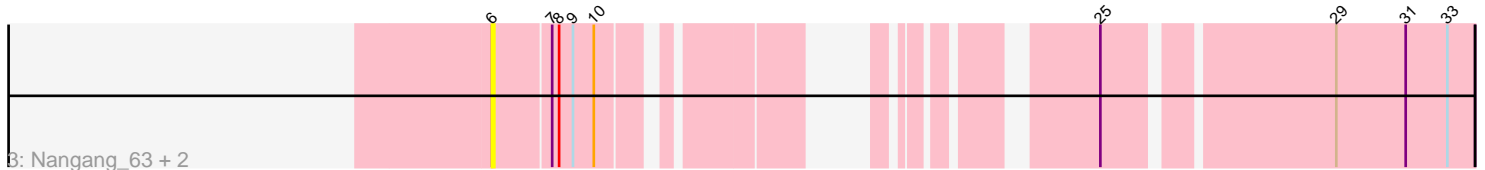
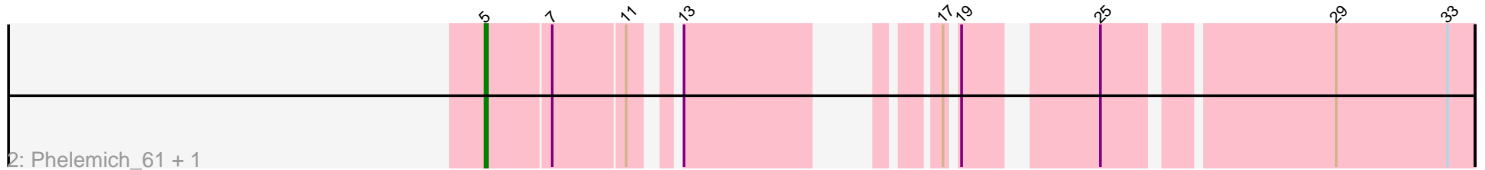
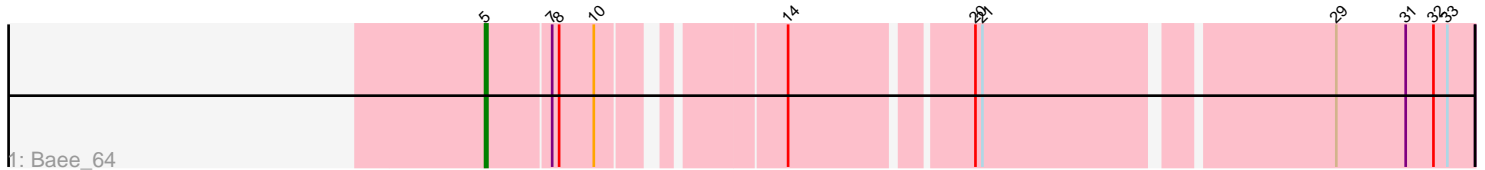


Pham 164003



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 164003 Report

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

Pham number 164003 has 16 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Bae_64
- Track 2 : Phelemich_61, Reprobate_62
- Track 3 : Nangang_63, DigitDog_64, StinkyVeggy_63
- Track 4 : Mysterious_63
- Track 5 : EastView9101_65, SirJeffery_63, Acadian_64, Suigeneris_65, Donny_65
- Track 6 : Serendipitous_62
- Track 7 : Rich_62
- Track 8 : CRB2_61
- Track 9 : Funsized_64

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 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acadian_64, Bae_64, Donny_65, EastView9101_65, Mysterious_63, Phelemich_61, Reprobate_62, Rich_62, Serendipitous_62, SirJeffery_63, Suigeneris_65,

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

-

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

- CRB2_61, DigitDog_64, Funsized_64, Nangang_63, StinkyVeggy_63,

Summary by start number:

Start 4:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_61 (B9),

Start 5:

- Found in 11 of 16 (68.8%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_64 (B5), Bae_64 (B5), Donny_65 (B5), EastView9101_65 (B5), Mysterious_63 (B5), Phelemich_61 (B5), Reprobate_62 (B5), Rich_62 (B5), Serendipitous_62 (B5), SirJeffery_63 (B5), Suigeneris_65 (B5),

Start 6:

- Found in 3 of 16 (18.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DigitDog_64 (B5), Nangang_63 (B5), StinkyVeggy_63 (B5),

Start 9:

- Found in 4 of 16 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Funsized_64 (B9),

Summary by clusters:

There are 2 clusters represented in this pham: B5, B9,

Info for manual annotations of cluster B5:

- Start number 5 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B9:

- Start number 4 was manually annotated 1 time for cluster B9.
- Start number 9 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: Acadian_64 Start: 56676, Stop: 56335, Start Num: 5

Candidate Starts for Acadian_64:

(Start: 5 @56676 has 8 MA's), (7, 56649), (10, 56631), (14, 56565), (19, 56532), (25, 56484), (29, 56394), (31, 56364), (33, 56346),

Gene: Bae_64 Start: 57648, Stop: 57262, Start Num: 5

Candidate Starts for Bae_64:

(Start: 5 @57648 has 8 MA's), (7, 57621), (8, 57618), (10, 57603), (14, 57537), (20, 57465), (21, 57462), (29, 57321), (31, 57291), (32, 57279), (33, 57273),

Gene: CRB2_61 Start: 57387, Stop: 56986, Start Num: 4

Candidate Starts for CRB2_61:

(Start: 4 @57387 has 1 MA's), (12, 57309), (15, 57231), (22, 57168), (24, 57126), (27, 57051), (28, 57048),

Gene: DigitDog_64 Start: 56730, Stop: 56395, Start Num: 6

Candidate Starts for DigitDog_64:

(6, 56730), (7, 56706), (8, 56703), (Start: 9 @56697 has 1 MA's), (10, 56688), (25, 56544), (29, 56454), (31, 56424), (33, 56406),

Gene: Donny_65 Start: 56722, Stop: 56381, Start Num: 5

Candidate Starts for Donny_65:

(Start: 5 @56722 has 8 MA's), (7, 56695), (10, 56677), (14, 56611), (19, 56578), (25, 56530), (29, 56440), (31, 56410), (33, 56392),

Gene: EastView9101_65 Start: 56420, Stop: 56079, Start Num: 5

Candidate Starts for EastView9101_65:

(Start: 5 @56420 has 8 MA's), (7, 56393), (10, 56375), (14, 56309), (19, 56276), (25, 56228), (29, 56138), (31, 56108), (33, 56090),

Gene: Funsized_64 Start: 58606, Stop: 58226, Start Num: 9

Candidate Starts for Funsized_64:

(1, 58819), (2, 58771), (3, 58690), (Start: 9 @58606 has 1 MA's), (13, 58558), (14, 58513), (16, 58456), (18, 58444), (23, 58423), (26, 58354), (27, 58306), (29, 58276), (30, 58273),

Gene: Mysterious_63 Start: 56569, Stop: 56225, Start Num: 5

Candidate Starts for Mysterious_63:

(Start: 5 @56569 has 8 MA's), (7, 56542), (13, 56500), (19, 56422), (25, 56374), (29, 56284), (33, 56236),

Gene: Nangang_63 Start: 56756, Stop: 56421, Start Num: 6

Candidate Starts for Nangang_63:

(6, 56756), (7, 56732), (8, 56729), (Start: 9 @56723 has 1 MA's), (10, 56714), (25, 56570), (29, 56480), (31, 56450), (33, 56432),

Gene: Phelemich_61 Start: 56567, Stop: 56223, Start Num: 5

Candidate Starts for Phelemich_61:

(Start: 5 @56567 has 8 MA's), (7, 56540), (11, 56510), (13, 56498), (17, 56423), (19, 56420), (25, 56372), (29, 56282), (33, 56234),

Gene: Reprobate_62 Start: 56572, Stop: 56228, Start Num: 5

Candidate Starts for Reprobate_62:

(Start: 5 @56572 has 8 MA's), (7, 56545), (11, 56515), (13, 56503), (17, 56428), (19, 56425), (25, 56377), (29, 56287), (33, 56239),

Gene: Rich_62 Start: 57709, Stop: 57323, Start Num: 5

Candidate Starts for Rich_62:

(Start: 5 @57709 has 8 MA's), (7, 57682), (8, 57679), (10, 57664), (14, 57598), (20, 57526), (21, 57523), (25, 57472), (29, 57382), (31, 57352), (32, 57340), (33, 57334),

Gene: Serendipitous_62 Start: 56107, Stop: 55766, Start Num: 5

Candidate Starts for Serendipitous_62:

(Start: 5 @56107 has 8 MA's), (7, 56080), (8, 56077), (25, 55915), (29, 55825), (31, 55795), (32, 55783),

Gene: SirJeffery_63 Start: 56753, Stop: 56412, Start Num: 5

Candidate Starts for SirJeffery_63:

(Start: 5 @56753 has 8 MA's), (7, 56726), (10, 56708), (14, 56642), (19, 56609), (25, 56561), (29, 56471), (31, 56441), (33, 56423),

Gene: StinkyVeggy_63 Start: 56576, Stop: 56241, Start Num: 6

Candidate Starts for StinkyVeggy_63:

(6, 56576), (7, 56552), (8, 56549), (Start: 9 @56543 has 1 MA's), (10, 56534), (25, 56390), (29, 56300), (31, 56270), (33, 56252),

Gene: Suigeneris_65 Start: 56871, Stop: 56530, Start Num: 5

Candidate Starts for Suigeneris_65:

(Start: 5 @56871 has 8 MA's), (7, 56844), (10, 56826), (14, 56760), (19, 56727), (25, 56679), (29, 56589), (31, 56559), (33, 56541),