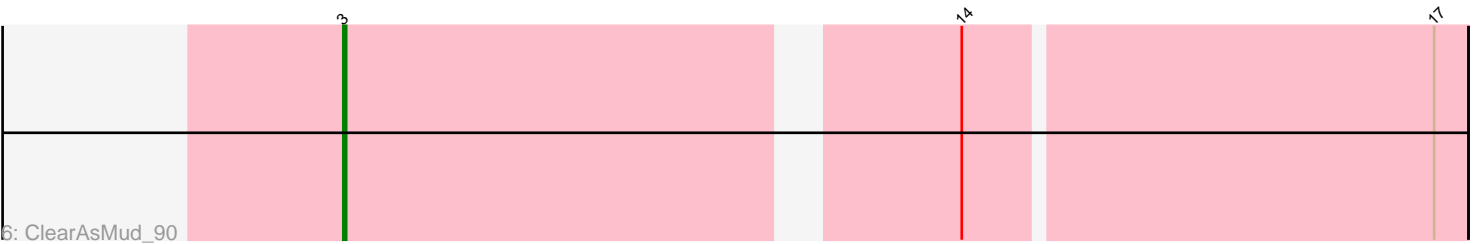
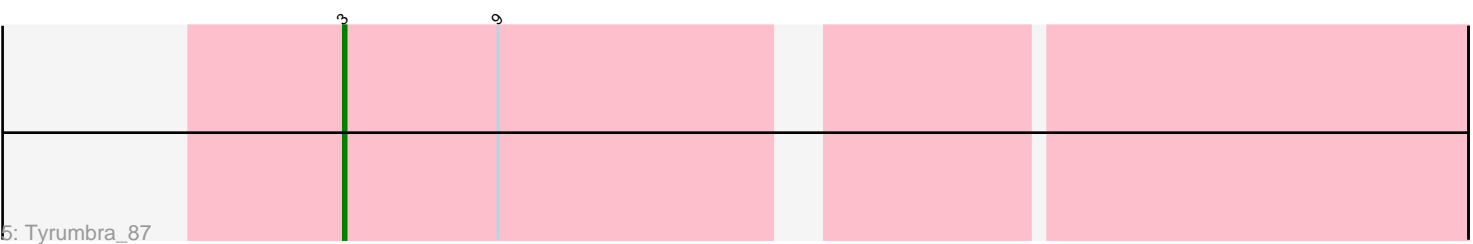
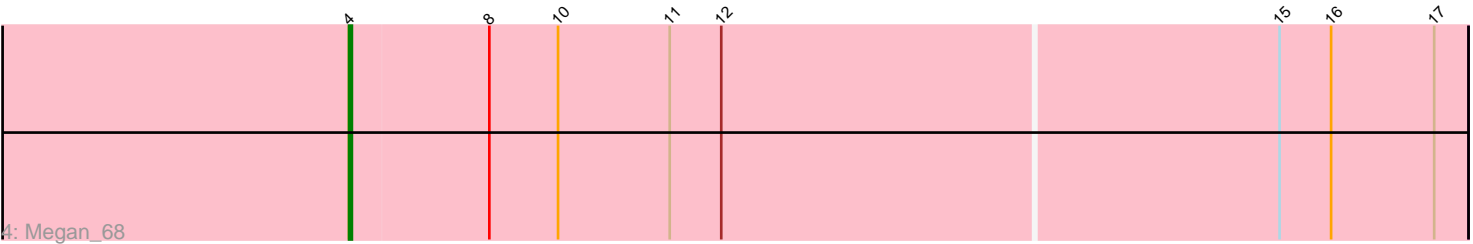
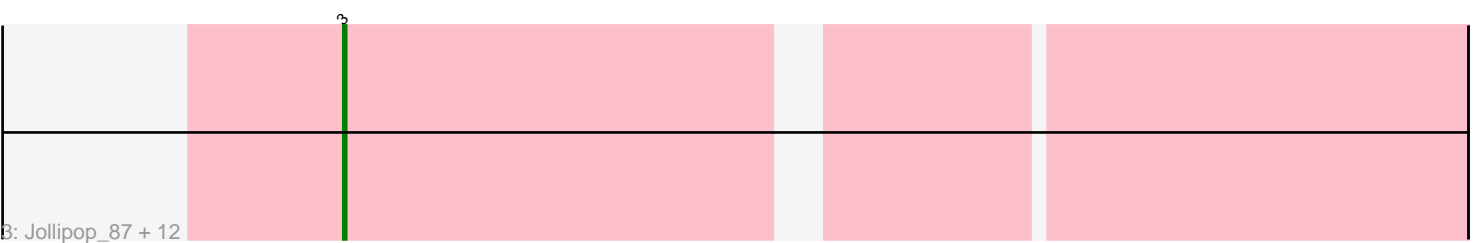
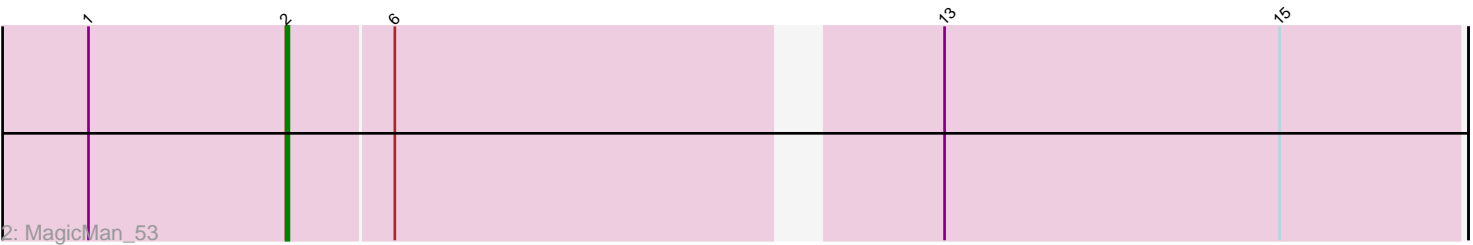
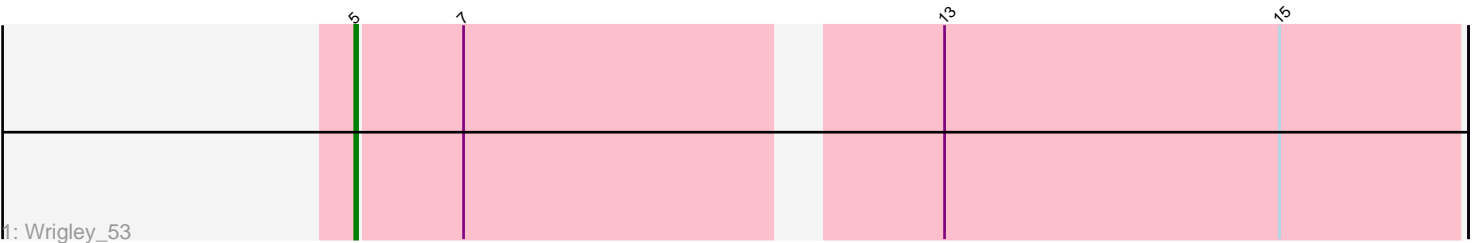


Pham 86950



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 86950 Report

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

Pham number 86950 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Wrigley_53
- Track 2 : MagicMan_53
- Track 3 : Jollipop_87, Cranjis_88, BrazzalePHS_87, Savannah_86, Hermeonysus_87, Scumberland_89, Ramiel05_87, Jefe_88, Paschalis_87, Kowalski_87, Shotgun_87, Onika_87, PiperSansNom_89
- Track 4 : Megan_68
- Track 5 : Tyumbra_87
- Track 6 : ClearAsMud_90

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 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BrazzalePHS_87, ClearAsMud_90, Cranjis_88, Hermeonysus_87, Jefe_88, Jollipop_87, Kowalski_87, Onika_87, Paschalis_87, PiperSansNom_89, Ramiel05_87, Savannah_86, Scumberland_89, Shotgun_87, Tyumbra_87,

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

-

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

- MagicMan_53, Megan_68, Wrigley_53,

Summary by start number:

Start 2:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MagicMan_53 (DB),

Start 3:

- Found in 15 of 18 (83.3%) of genes in pham
- Manual Annotations of this start: 13 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrazzalePHS_87 (EC), ClearAsMud_90 (EC), Cranjis_88 (EC), Hermeonysus_87 (EC), Jefe_88 (EC), Jollipop_87 (EC), Kowalski_87 (EC), Onika_87 (EC), Paschalis_87 (EC), PiperSansNom_89 (EC), Ramiel05_87 (EC), Savannah_86 (EC), Scumberland_89 (EC), Shotgun_87 (EC), Tyumbra_87 (EC),

Start 4:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Megan_68 (EC),

Start 5:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wrigley_53 (CY),

Summary by clusters:

There are 3 clusters represented in this pham: CY, DB, EC,

Info for manual annotations of cluster CY:

- Start number 5 was manually annotated 1 time for cluster CY.

Info for manual annotations of cluster DB:

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

Info for manual annotations of cluster EC:

- Start number 3 was manually annotated 13 times for cluster EC.
- Start number 4 was manually annotated 1 time for cluster EC.

Gene Information:

Gene: BrazzalePHS_87 Start: 51967, Stop: 52335, Start Num: 3

Candidate Starts for BrazzalePHS_87:

(Start: 3 @51967 has 13 MA's),

Gene: ClearAsMud_90 Start: 51973, Stop: 52341, Start Num: 3

Candidate Starts for ClearAsMud_90:

(Start: 3 @51973 has 13 MA's), (14, 52171), (17, 52330),

Gene: Cranjis_88 Start: 51934, Stop: 52302, Start Num: 3

Candidate Starts for Cranjis_88:

(Start: 3 @51934 has 13 MA's),

Gene: Hermeonysus_87 Start: 51655, Stop: 52023, Start Num: 3

Candidate Starts for Hermeonysus_87:

(Start: 3 @51655 has 13 MA's),

Gene: Jefe_88 Start: 51930, Stop: 52298, Start Num: 3

Candidate Starts for Jefe_88:

(Start: 3 @51930 has 13 MA's),

Gene: Jollipop_87 Start: 52075, Stop: 52443, Start Num: 3

Candidate Starts for Jollipop_87:

(Start: 3 @52075 has 13 MA's),

Gene: Kowalski_87 Start: 51962, Stop: 52330, Start Num: 3

Candidate Starts for Kowalski_87:

(Start: 3 @51962 has 13 MA's),

Gene: MagicMan_53 Start: 37884, Stop: 38273, Start Num: 2

Candidate Starts for MagicMan_53:

(1, 37815), (Start: 2 @37884 has 1 MA's), (6, 37920), (13, 38094), (15, 38211),

Gene: Megan_68 Start: 47434, Stop: 47820, Start Num: 4

Candidate Starts for Megan_68:

(Start: 4 @47434 has 1 MA's), (8, 47482), (10, 47506), (11, 47545), (12, 47563), (15, 47755), (16, 47773), (17, 47809),

Gene: Onika_87 Start: 51933, Stop: 52301, Start Num: 3

Candidate Starts for Onika_87:

(Start: 3 @51933 has 13 MA's),

Gene: Paschalis_87 Start: 51740, Stop: 52108, Start Num: 3

Candidate Starts for Paschalis_87:

(Start: 3 @51740 has 13 MA's),

Gene: PiperSansNom_89 Start: 52263, Stop: 52631, Start Num: 3

Candidate Starts for PiperSansNom_89:

(Start: 3 @52263 has 13 MA's),

Gene: Ramiel05_87 Start: 51962, Stop: 52330, Start Num: 3

Candidate Starts for Ramiel05_87:

(Start: 3 @51962 has 13 MA's),

Gene: Savannah_86 Start: 51934, Stop: 52302, Start Num: 3

Candidate Starts for Savannah_86:

(Start: 3 @51934 has 13 MA's),

Gene: Scumberland_89 Start: 51988, Stop: 52356, Start Num: 3

Candidate Starts for Scumberland_89:

(Start: 3 @51988 has 13 MA's),

Gene: Shotgun_87 Start: 51464, Stop: 51832, Start Num: 3

Candidate Starts for Shotgun_87:

(Start: 3 @51464 has 13 MA's),

Gene: Tyrumbra_87 Start: 52425, Stop: 52793, Start Num: 3

Candidate Starts for Tyrumbra_87:

(Start: 3 @52425 has 13 MA's), (9, 52479),

Gene: Wrigley_53 Start: 37696, Stop: 38061, Start Num: 5

Candidate Starts for Wrigley_53:

(Start: 5 @37696 has 1 MA's), (7, 37732), (13, 37882), (15, 37999),