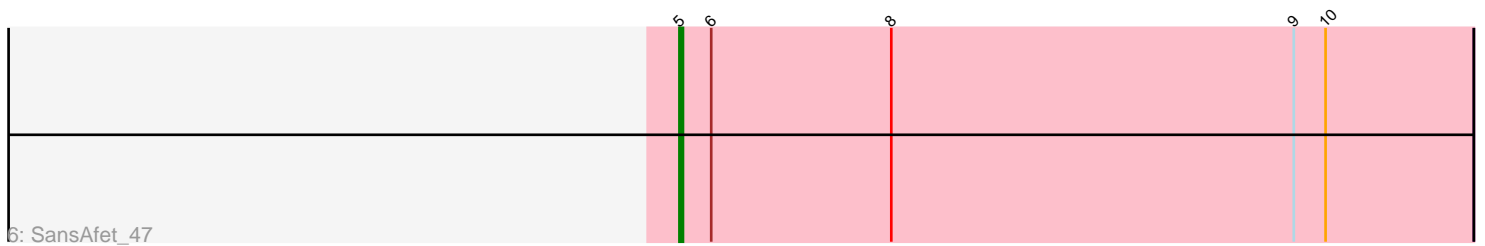
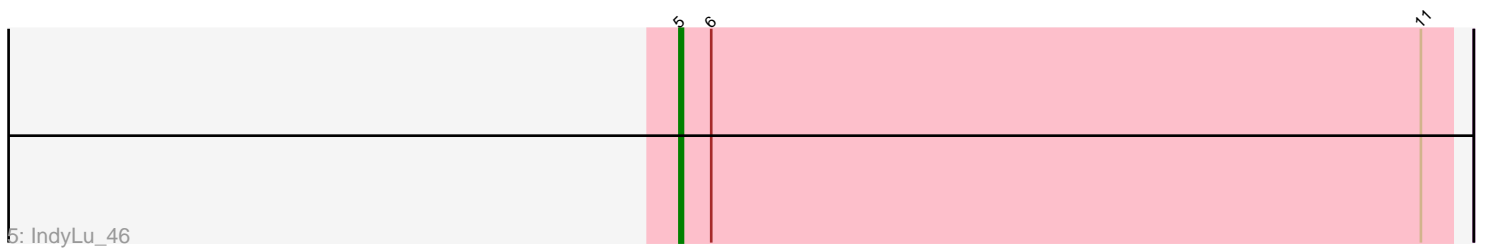
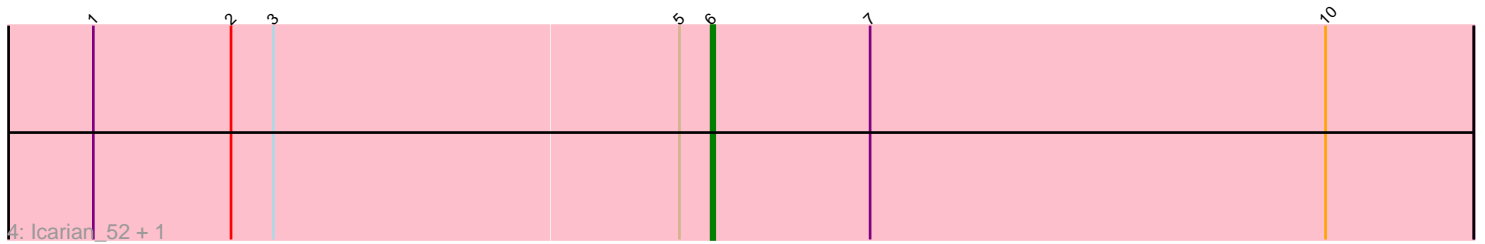
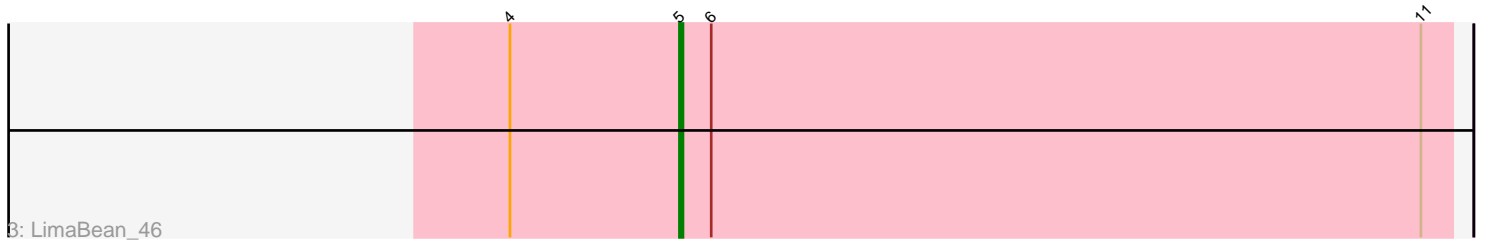
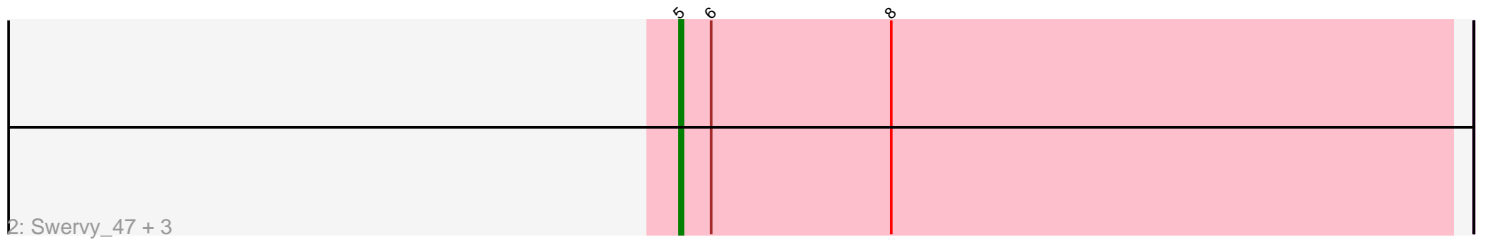
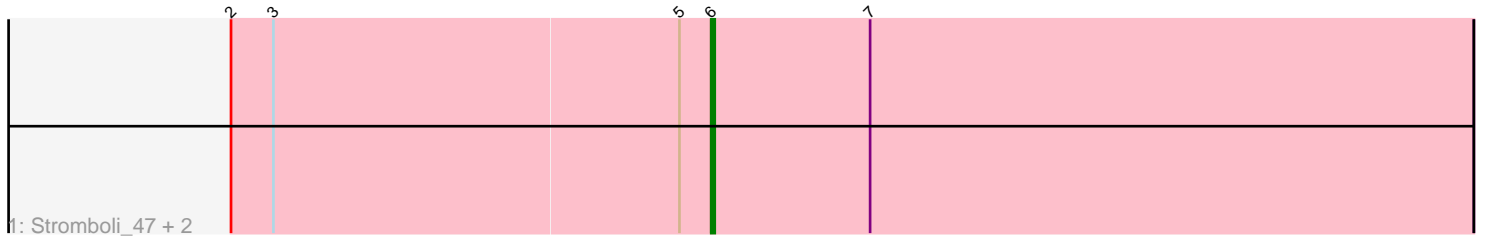


Pham 7212



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 7212 Report

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

Pham number 7212 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Stromboli_47, DirtyBubble_46, BabyYoda_47
- Track 2 : Swervy_47, TukTuk_47, Finalfrontier_47, SarBear_46
- Track 3 : LimaBean_46
- Track 4 : Icarian_52, Stoor_47
- Track 5 : IndyLu_46
- Track 6 : SansAfet_47

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 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Finalfrontier_47, IndyLu_46, LimaBean_46, SansAfet_47, SarBear_46, Swervy_47, TukTuk_47,

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

- BabyYoda_47, DirtyBubble_46, Icarian_52, Stoor_47, Stromboli_47,

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

-

Summary by start number:

Start 5:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 11
- Called 58.3% of time when present
- Phage (with cluster) where this start called: Finalfrontier_47 (EB), IndyLu_46 (EB), LimaBean_46 (EB), SansAfet_47 (EB), SarBear_46 (EB), Swervy_47 (EB), TukTuk_47 (EB),

Start 6:

- Found in 12 of 12 (100.0%) of genes in pham

- Manual Annotations of this start: 4 of 11
- Called 41.7% of time when present
- Phage (with cluster) where this start called: BabyYoda_47 (EB), DirtyBubble_46 (EB), Icarian_52 (EB), Stoor_47 (EB), Stromboli_47 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 5 was manually annotated 7 times for cluster EB.
- Start number 6 was manually annotated 4 times for cluster EB.

Gene Information:

Gene: BabyYoda_47 Start: 33932, Stop: 33717, Start Num: 6

Candidate Starts for BabyYoda_47:

(2, 34067), (3, 34055), (Start: 5 @33941 has 7 MA's), (Start: 6 @33932 has 4 MA's), (7, 33887),

Gene: DirtyBubble_46 Start: 33600, Stop: 33385, Start Num: 6

Candidate Starts for DirtyBubble_46:

(2, 33735), (3, 33723), (Start: 5 @33609 has 7 MA's), (Start: 6 @33600 has 4 MA's), (7, 33555),

Gene: Finalfrontier_47 Start: 33737, Stop: 33519, Start Num: 5

Candidate Starts for Finalfrontier_47:

(Start: 5 @33737 has 7 MA's), (Start: 6 @33728 has 4 MA's), (8, 33677),

Gene: Icarian_52 Start: 34608, Stop: 34393, Start Num: 6

Candidate Starts for Icarian_52:

(1, 34782), (2, 34743), (3, 34731), (Start: 5 @34617 has 7 MA's), (Start: 6 @34608 has 4 MA's), (7, 34563), (10, 34434),

Gene: IndyLu_46 Start: 33112, Stop: 32894, Start Num: 5

Candidate Starts for IndyLu_46:

(Start: 5 @33112 has 7 MA's), (Start: 6 @33103 has 4 MA's), (11, 32902),

Gene: LimaBean_46 Start: 32471, Stop: 32253, Start Num: 5

Candidate Starts for LimaBean_46:

(4, 32519), (Start: 5 @32471 has 7 MA's), (Start: 6 @32462 has 4 MA's), (11, 32261),

Gene: SansAfet_47 Start: 32805, Stop: 32581, Start Num: 5

Candidate Starts for SansAfet_47:

(Start: 5 @32805 has 7 MA's), (Start: 6 @32796 has 4 MA's), (8, 32745), (9, 32631), (10, 32622),

Gene: SarBear_46 Start: 32585, Stop: 32367, Start Num: 5

Candidate Starts for SarBear_46:

(Start: 5 @32585 has 7 MA's), (Start: 6 @32576 has 4 MA's), (8, 32525),

Gene: Stoor_47 Start: 34108, Stop: 33893, Start Num: 6

Candidate Starts for Stoor_47:

(1, 34282), (2, 34243), (3, 34231), (Start: 5 @34117 has 7 MA's), (Start: 6 @34108 has 4 MA's), (7, 34063), (10, 33934),

Gene: Stromboli_47 Start: 33970, Stop: 33755, Start Num: 6

Candidate Starts for Stromboli_47:

(2, 34105), (3, 34093), (Start: 5 @33979 has 7 MA's), (Start: 6 @33970 has 4 MA's), (7, 33925),

Gene: Swervy_47 Start: 32857, Stop: 32639, Start Num: 5

Candidate Starts for Swervy_47:

(Start: 5 @32857 has 7 MA's), (Start: 6 @32848 has 4 MA's), (8, 32797),

Gene: TukTuk_47 Start: 32865, Stop: 32647, Start Num: 5

Candidate Starts for TukTuk_47:

(Start: 5 @32865 has 7 MA's), (Start: 6 @32856 has 4 MA's), (8, 32805),