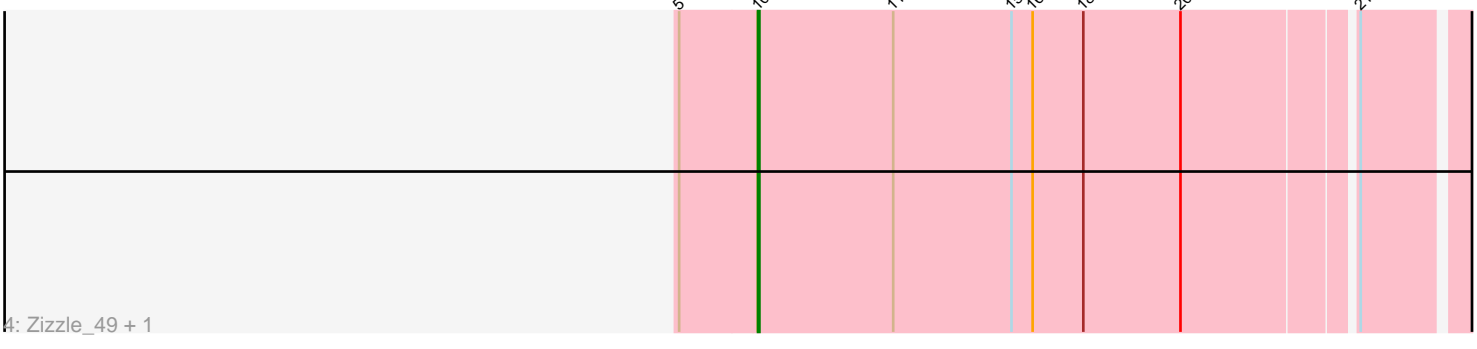
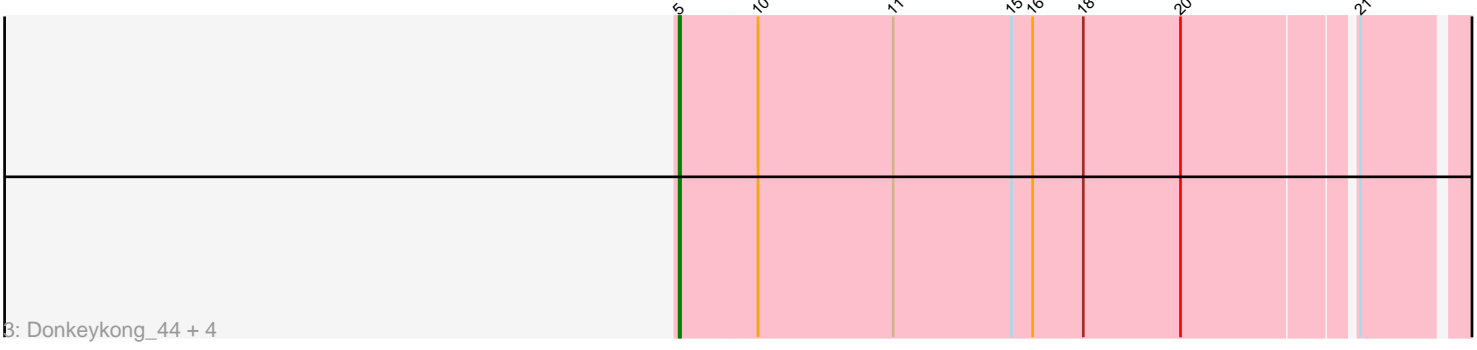
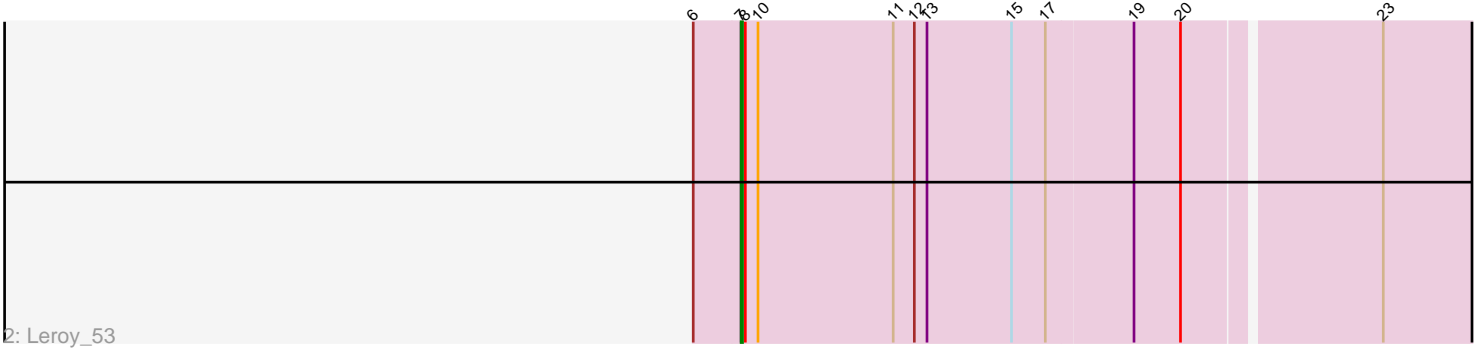
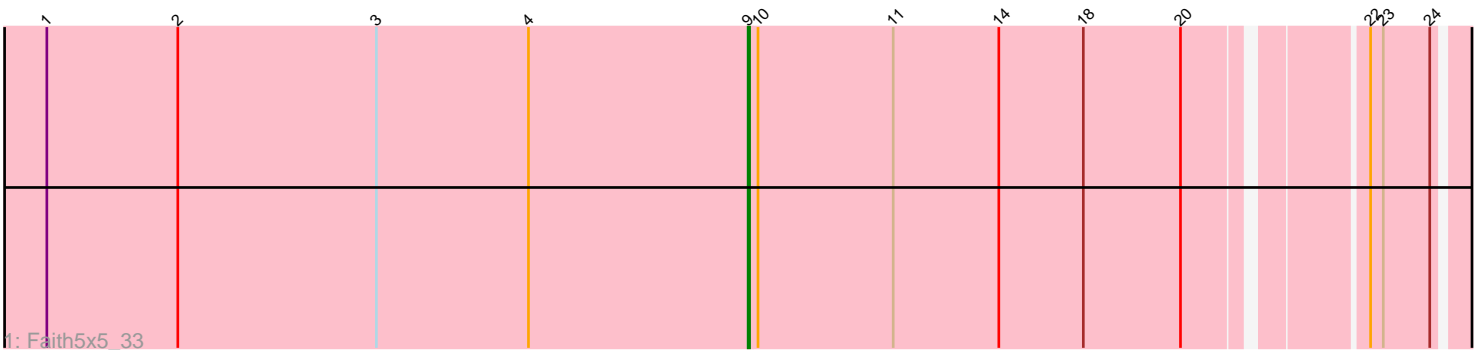


Pham 87653



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 87653 Report

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

Pham number 87653 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Faith5x5_33
- Track 2 : Leroy_53
- Track 3 : Donkeykong_44, Squirty_38, Clifton_40, Brocalys_41, Pippy_43
- Track 4 : Zizzle_49, LastJedi_39

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 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Brocalys_41, Clifton_40, Donkeykong_44, Pippy_43, Squirty_38,

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

- LastJedi_39, Zizzle_49,

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

- Faith5x5_33, Leroy_53,

Summary by start number:

Start 5:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Brocalys_41 (F1), Clifton_40 (F1), Donkeykong_44 (F1), Pippy_43 (F1), Squirty_38 (F3),

Start 7:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leroy_53 (DN1),

Start 9:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faith5x5_33 (CZ6),

Start 10:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 22.2% of time when present
- Phage (with cluster) where this start called: LastJedi_39 (F1), Zizzle_49 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: F1, CZ6, F3, DN1,

Info for manual annotations of cluster CZ6:

- Start number 9 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DN1:

- Start number 7 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 4 times for cluster F1.
- Start number 10 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 5 was manually annotated 1 time for cluster F3.

Gene Information:

Gene: Brocalys_41 Start: 30691, Stop: 30128, Start Num: 5

Candidate Starts for Brocalys_41:

(Start: 5 @30691 has 5 MA's), (Start: 10 @30637 has 2 MA's), (11, 30541), (15, 30457), (16, 30442), (18, 30406), (20, 30337), (21, 30223),

Gene: Clifton_40 Start: 31042, Stop: 30479, Start Num: 5

Candidate Starts for Clifton_40:

(Start: 5 @31042 has 5 MA's), (Start: 10 @30988 has 2 MA's), (11, 30892), (15, 30808), (16, 30793), (18, 30757), (20, 30688), (21, 30574),

Gene: Donkeykong_44 Start: 35060, Stop: 34497, Start Num: 5

Candidate Starts for Donkeykong_44:

(Start: 5 @35060 has 5 MA's), (Start: 10 @35006 has 2 MA's), (11, 34910), (15, 34826), (16, 34811), (18, 34775), (20, 34706), (21, 34592),

Gene: Faith5x5_33 Start: 27351, Stop: 26833, Start Num: 9

Candidate Starts for Faith5x5_33:

(1, 27849), (2, 27756), (3, 27615), (4, 27507), (Start: 9 @27351 has 1 MA's), (Start: 10 @27345 has 2 MA's), (11, 27249), (14, 27174), (18, 27114), (20, 27045), (22, 26934), (23, 26925), (24, 26892),

Gene: LastJedi_39 Start: 31031, Stop: 30522, Start Num: 10

Candidate Starts for LastJedi_39:

(Start: 5 @31085 has 5 MA's), (Start: 10 @31031 has 2 MA's), (11, 30935), (15, 30851), (16, 30836), (18, 30800), (20, 30731), (21, 30617),

Gene: Leroy_53 Start: 35743, Stop: 35195, Start Num: 7

Candidate Starts for Leroy_53:

(6, 35776), (Start: 7 @35743 has 1 MA's), (8, 35740), (Start: 10 @35731 has 2 MA's), (11, 35635), (12, 35620), (13, 35611), (15, 35551), (17, 35527), (19, 35467), (20, 35434), (23, 35302),

Gene: Pippy_43 Start: 32648, Stop: 32085, Start Num: 5

Candidate Starts for Pippy_43:

(Start: 5 @32648 has 5 MA's), (Start: 10 @32594 has 2 MA's), (11, 32498), (15, 32414), (16, 32399), (18, 32363), (20, 32294), (21, 32180),

Gene: Squirty_38 Start: 31821, Stop: 31258, Start Num: 5

Candidate Starts for Squirty_38:

(Start: 5 @31821 has 5 MA's), (Start: 10 @31767 has 2 MA's), (11, 31671), (15, 31587), (16, 31572), (18, 31536), (20, 31467), (21, 31353),

Gene: Zizzle_49 Start: 35436, Stop: 34927, Start Num: 10

Candidate Starts for Zizzle_49:

(Start: 5 @35490 has 5 MA's), (Start: 10 @35436 has 2 MA's), (11, 35340), (15, 35256), (16, 35241), (18, 35205), (20, 35136), (21, 35022),