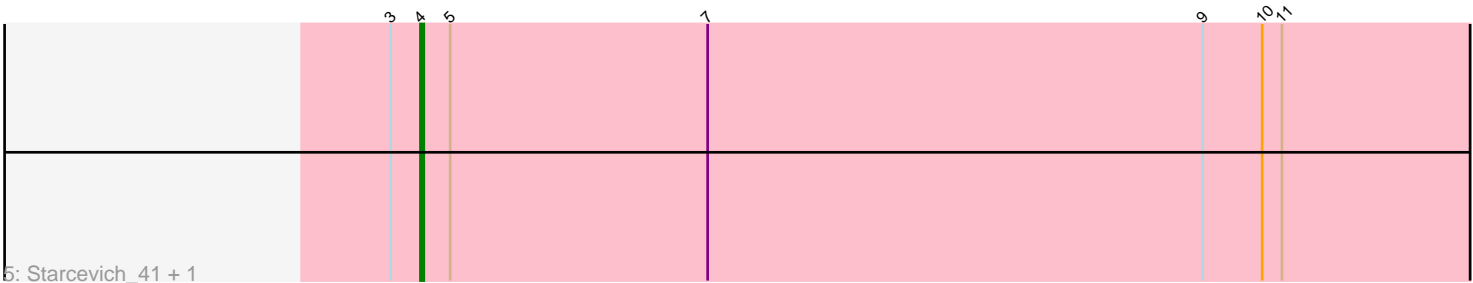
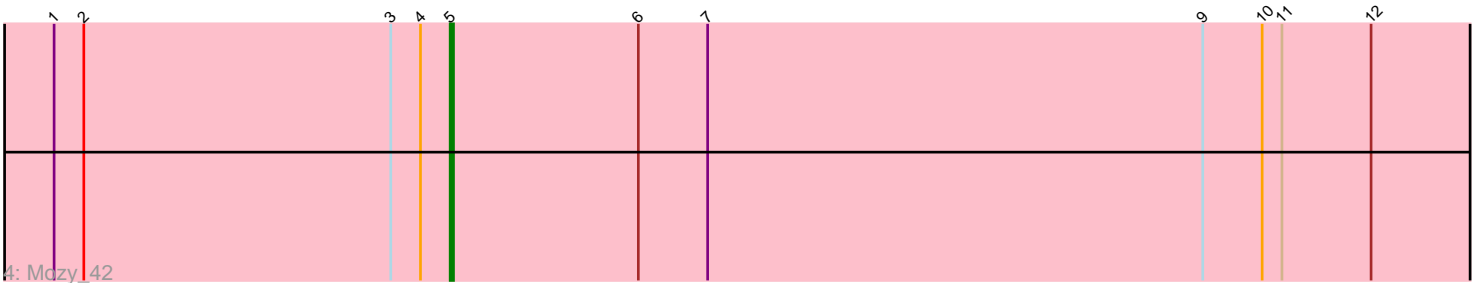
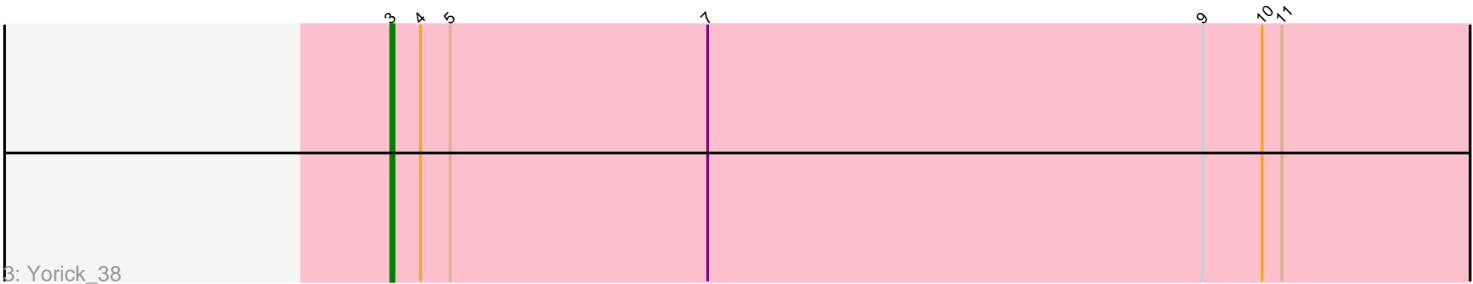
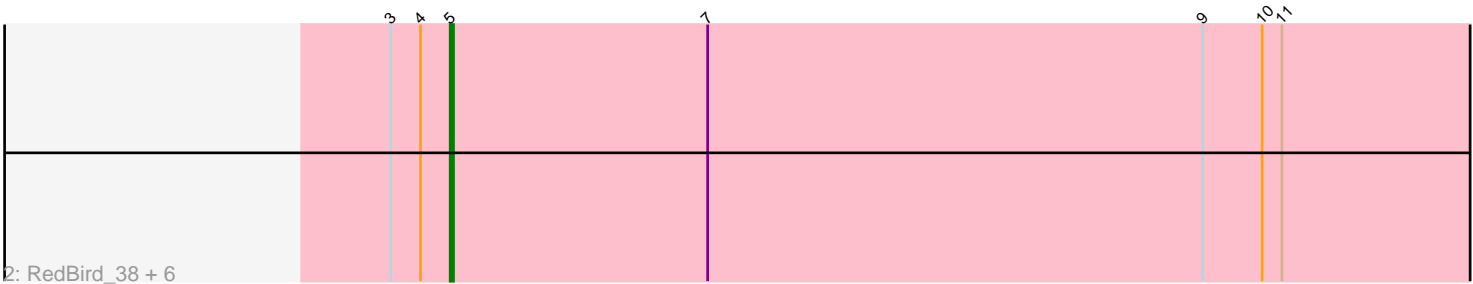
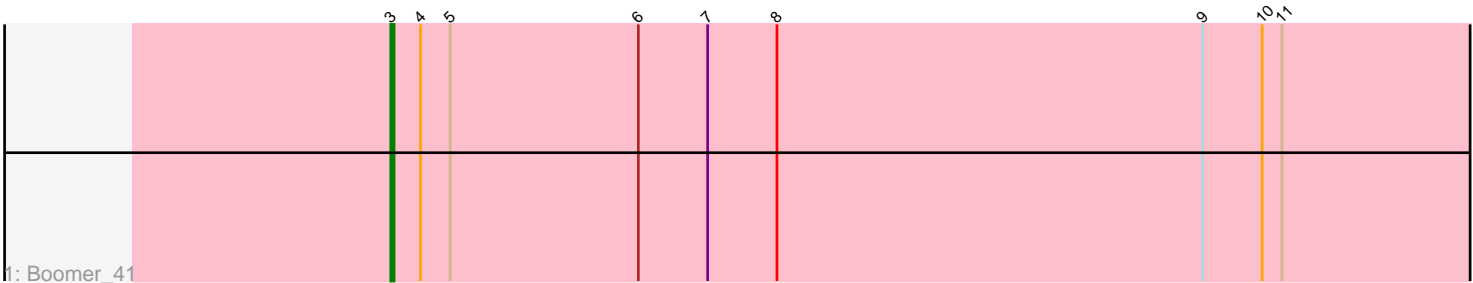


Pham 87261



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 87261 Report

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

Pham number 87261 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Boomer_41
- Track 2 : RedBird_38, Sparkdehlily_38, Dorothy_38, MadMen_36, TDanisky_38, Sabbb_39, Tweety_39
- Track 3 : Yorick_38
- Track 4 : Mozy_42
- Track 5 : Starcevich_41, Kersh_37

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 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dorothy_38, MadMen_36, Mozy_42, RedBird_38, Sabbb_39, Sparkdehlily_38, TDanisky_38, Tweety_39,

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

- Boomer_41, Kersh_37, Starcevich_41, Yorick_38,

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

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Summary by start number:

Start 3:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Boomer_41 (F1), Yorick_38 (F1),

Start 4:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 16.7% of time when present

- Phage (with cluster) where this start called: Kersh_37 (F1), Starcevich_41 (F1),

Start 5:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 12
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Dorothy_38 (F1), MadMen_36 (F1), Mozy_42 (F1), RedBird_38 (F1), Sabbb_39 (F1), Sparkdehlily_38 (F1), TDanisky_38 (F1), Tweety_39 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 2 times for cluster F1.
- Start number 4 was manually annotated 2 times for cluster F1.
- Start number 5 was manually annotated 8 times for cluster F1.

Gene Information:

Gene: Boomer_41 Start: 31787, Stop: 31428, Start Num: 3

Candidate Starts for Boomer_41:

(Start: 3 @31787 has 2 MA's), (Start: 4 @31778 has 2 MA's), (Start: 5 @31769 has 8 MA's), (6, 31712), (7, 31691), (8, 31670), (9, 31541), (10, 31523), (11, 31517),

Gene: Dorothy_38 Start: 31139, Stop: 30798, Start Num: 5

Candidate Starts for Dorothy_38:

(Start: 3 @31157 has 2 MA's), (Start: 4 @31148 has 2 MA's), (Start: 5 @31139 has 8 MA's), (7, 31061), (9, 30911), (10, 30893), (11, 30887),

Gene: Kersh_37 Start: 32348, Stop: 31998, Start Num: 4

Candidate Starts for Kersh_37:

(Start: 3 @32357 has 2 MA's), (Start: 4 @32348 has 2 MA's), (Start: 5 @32339 has 8 MA's), (7, 32261), (9, 32111), (10, 32093), (11, 32087),

Gene: MadMen_36 Start: 30462, Stop: 30121, Start Num: 5

Candidate Starts for MadMen_36:

(Start: 3 @30480 has 2 MA's), (Start: 4 @30471 has 2 MA's), (Start: 5 @30462 has 8 MA's), (7, 30384), (9, 30234), (10, 30216), (11, 30210),

Gene: Mozy_42 Start: 32510, Stop: 32169, Start Num: 5

Candidate Starts for Mozy_42:

(1, 32630), (2, 32621), (Start: 3 @32528 has 2 MA's), (Start: 4 @32519 has 2 MA's), (Start: 5 @32510 has 8 MA's), (6, 32453), (7, 32432), (9, 32282), (10, 32264), (11, 32258), (12, 32231),

Gene: RedBird_38 Start: 31151, Stop: 30810, Start Num: 5

Candidate Starts for RedBird_38:

(Start: 3 @31169 has 2 MA's), (Start: 4 @31160 has 2 MA's), (Start: 5 @31151 has 8 MA's), (7, 31073), (9, 30923), (10, 30905), (11, 30899),

Gene: Sabbb_39 Start: 31528, Stop: 31187, Start Num: 5

Candidate Starts for Sabbb_39:

(Start: 3 @31546 has 2 MA's), (Start: 4 @31537 has 2 MA's), (Start: 5 @31528 has 8 MA's), (7, 31450), (9, 31300), (10, 31282), (11, 31276),

Gene: Sparkdehlily_38 Start: 31124, Stop: 30783, Start Num: 5

Candidate Starts for Sparkdehlily_38:

(Start: 3 @31142 has 2 MA's), (Start: 4 @31133 has 2 MA's), (Start: 5 @31124 has 8 MA's), (7, 31046), (9, 30896), (10, 30878), (11, 30872),

Gene: Starcevich_41 Start: 32017, Stop: 31667, Start Num: 4

Candidate Starts for Starcevich_41:

(Start: 3 @32026 has 2 MA's), (Start: 4 @32017 has 2 MA's), (Start: 5 @32008 has 8 MA's), (7, 31930), (9, 31780), (10, 31762), (11, 31756),

Gene: TDanisky_38 Start: 31124, Stop: 30783, Start Num: 5

Candidate Starts for TDanisky_38:

(Start: 3 @31142 has 2 MA's), (Start: 4 @31133 has 2 MA's), (Start: 5 @31124 has 8 MA's), (7, 31046), (9, 30896), (10, 30878), (11, 30872),

Gene: Tweety_39 Start: 31391, Stop: 31050, Start Num: 5

Candidate Starts for Tweety_39:

(Start: 3 @31409 has 2 MA's), (Start: 4 @31400 has 2 MA's), (Start: 5 @31391 has 8 MA's), (7, 31313), (9, 31163), (10, 31145), (11, 31139),

Gene: Yorick_38 Start: 31363, Stop: 31004, Start Num: 3

Candidate Starts for Yorick_38:

(Start: 3 @31363 has 2 MA's), (Start: 4 @31354 has 2 MA's), (Start: 5 @31345 has 8 MA's), (7, 31267), (9, 31117), (10, 31099), (11, 31093),