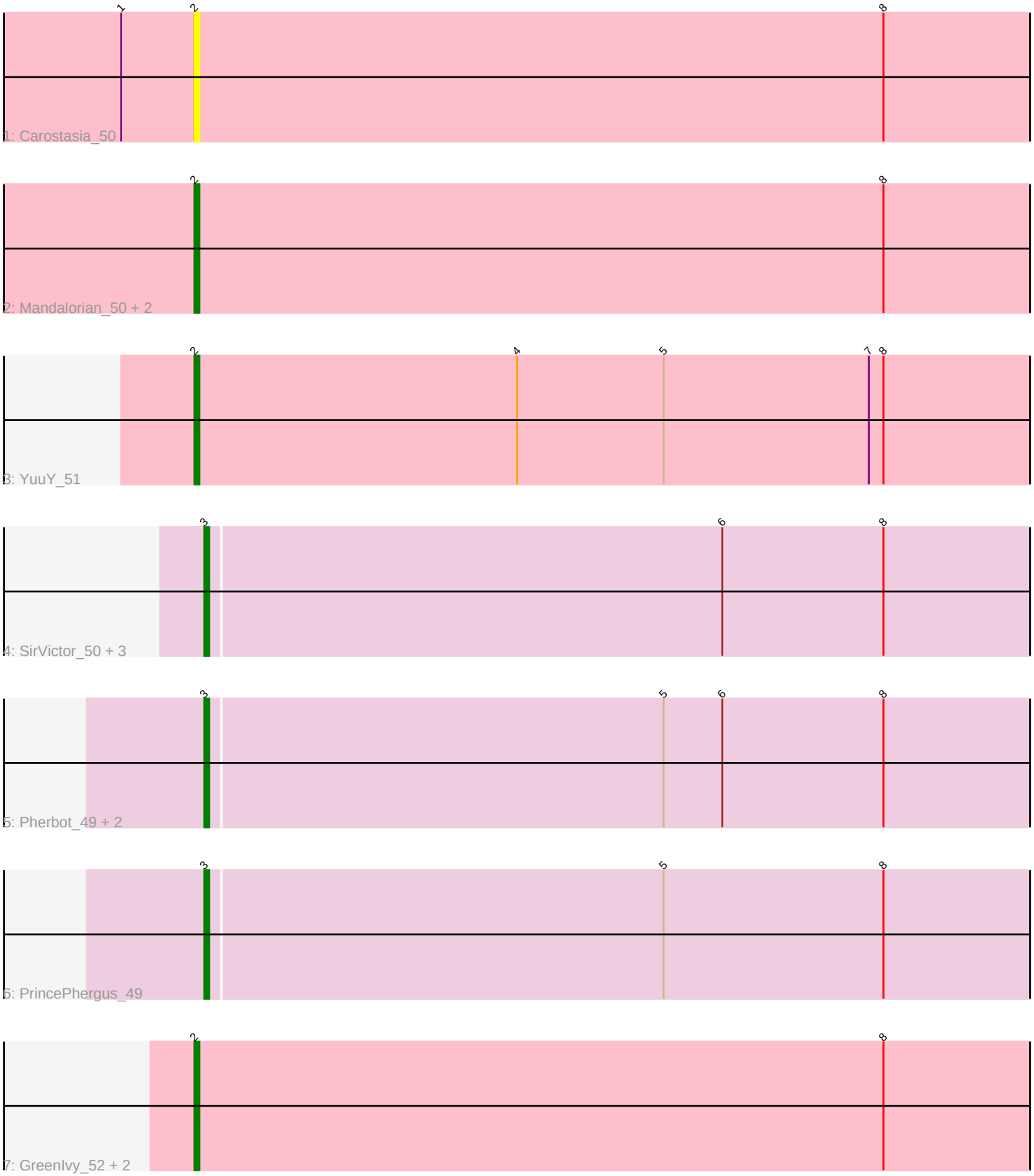
Pham 5163


1
2
8
1: Carostasia_50
2
8
2: Mandalorian_50 + 2
2
4
5
7
8
3: YuuY_51
3
6
8
4: SirVictor_50 + 3
3
5
6
8
5: Pherbot_49 + 2
3
5
8
6: PrincePhergus_49
2
8
7: GreenIvy_52 + 2

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 5163 Report

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

Pham number 5163 has 16 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Carostasia_50
• Track 2 : Mandalorian_50, Quartz_51, Nucci_50
• Track 3 : YuuY_51
• Track 4 : SirVictor_50, Guetzie_50, Lucky3_49, Golden_49
• Track 5 : Pherbot_49, Sinatra_50, Bustleton_49
• Track 6 : PrincePhergus_49
• Track 7 : GreenIvy_52, Zayuliv_52, LilTerminator_52

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

Genes that call this "Most Annotated" start:
• Bustleton_49, Golden_49, Guetzie_50, Lucky3_49, Pherbot_49, PrincePhergus_49, Sinatra_50, SirVictor_50,

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

Genes that do not have the "Most Annotated" start:
• Carostasia_50, GreenIvy_52, LilTerminator_52, Mandalorian_50, Nucci_50, Quartz_51, YuuY_51, Zayuliv_52,

Summary by start number:

Start 2:
• Found in 8 of 16 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Carostasia_50 (EA10), GreenIvy_52 (EA5), LilTerminator_52 (EA5), Mandalorian_50 (EA10), Nucci_50 (EA10), Quartz_51 (EA10), YuuY_51 (EA10), Zayuliv_52 (EA5),

Start 3:
• Found in 8 of 16 (50.0%) of genes in pham
• Manual Annotations of this start: 8 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bustleton_49 (EA4), Golden_49 (EA4), Guetzie_50 (EA4), Lucky3_49 (EA4), Pherbot_49 (EA4), PrincePhergus_49 (EA4), Sinatra_50 (EA4), SirVictor_50 (EA4),

Summary by clusters:

There are 3 clusters represented in this pham: EA5, EA4, EA10,

Info for manual annotations of cluster EA10:
•Start number 2 was manually annotated 4 times for cluster EA10.

Info for manual annotations of cluster EA4:
•Start number 3 was manually annotated 8 times for cluster EA4.

Info for manual annotations of cluster EA5:
•Start number 2 was manually annotated 1 time for cluster EA5.

Gene Information:

Gene: Bustleton_49 Start: 35203, Stop: 35000, Start Num: 3
Candidate Starts for Bustleton_49:
(Start: 3 @35203 has 8 MA's), (5, 35110), (6, 35098), (8, 35065),

Gene: Carostasia_50 Start: 35645, Stop: 35439, Start Num: 2
Candidate Starts for Carostasia_50:
(1, 35660), (Start: 2 @35645 has 5 MA's), (8, 35504),

Gene: Golden_49 Start: 35253, Stop: 35050, Start Num: 3
Candidate Starts for Golden_49:
(Start: 3 @35253 has 8 MA's), (6, 35148), (8, 35115),

Gene: GreenIvy_52 Start: 35712, Stop: 35506, Start Num: 2
Candidate Starts for GreenIvy_52:
(Start: 2 @35712 has 5 MA's), (8, 35571),

Gene: Guetzie_50 Start: 35237, Stop: 35034, Start Num: 3
Candidate Starts for Guetzie_50:
(Start: 3 @35237 has 8 MA's), (6, 35132), (8, 35099),

Gene: LilTerminator_52 Start: 35378, Stop: 35172, Start Num: 2
Candidate Starts for LilTerminator_52:
(Start: 2 @35378 has 5 MA's), (8, 35237),

Gene: Lucky3_49 Start: 35253, Stop: 35050, Start Num: 3
Candidate Starts for Lucky3_49:
(Start: 3 @35253 has 8 MA's), (6, 35148), (8, 35115),

Gene: Mandalorian_50 Start: 35655, Stop: 35449, Start Num: 2
Candidate Starts for Mandalorian_50:
(Start: 2 @35655 has 5 MA's), (8, 35514),

Gene: Nucci_50 Start: 35619, Stop: 35413, Start Num: 2
Candidate Starts for Nucci_50:
(Start: 2 @35619 has 5 MA's), (8, 35478),

Gene: Pherbot_49 Start: 35190, Stop: 34987, Start Num: 3
Candidate Starts for Pherbot_49:
(Start: 3 @35190 has 8 MA's), (5, 35097), (6, 35085), (8, 35052),

Gene: PrincePhergus_49 Start: 35206, Stop: 35003, Start Num: 3
Candidate Starts for PrincePhergus_49:
(Start: 3 @35206 has 8 MA's), (5, 35113), (8, 35068),

Gene: Quartz_51 Start: 35768, Stop: 35562, Start Num: 2
Candidate Starts for Quartz_51:
(Start: 2 @35768 has 5 MA's), (8, 35627),

Gene: Sinatra_50 Start: 35201, Stop: 34998, Start Num: 3
Candidate Starts for Sinatra_50:
(Start: 3 @35201 has 8 MA's), (5, 35108), (6, 35096), (8, 35063),

Gene: SirVictor_50 Start: 35237, Stop: 35034, Start Num: 3
Candidate Starts for SirVictor_50:
(Start: 3 @35237 has 8 MA's), (6, 35132), (8, 35099),

Gene: YuuY_51 Start: 36191, Stop: 35985, Start Num: 2
Candidate Starts for YuuY_51:
(Start: 2 @36191 has 5 MA's), (4, 36125), (5, 36095), (7, 36053), (8, 36050),

Gene: Zayuliv_52 Start: 36042, Stop: 35836, Start Num: 2
Candidate Starts for Zayuliv_52:
(Start: 2 @36042 has 5 MA's), (8, 35901),