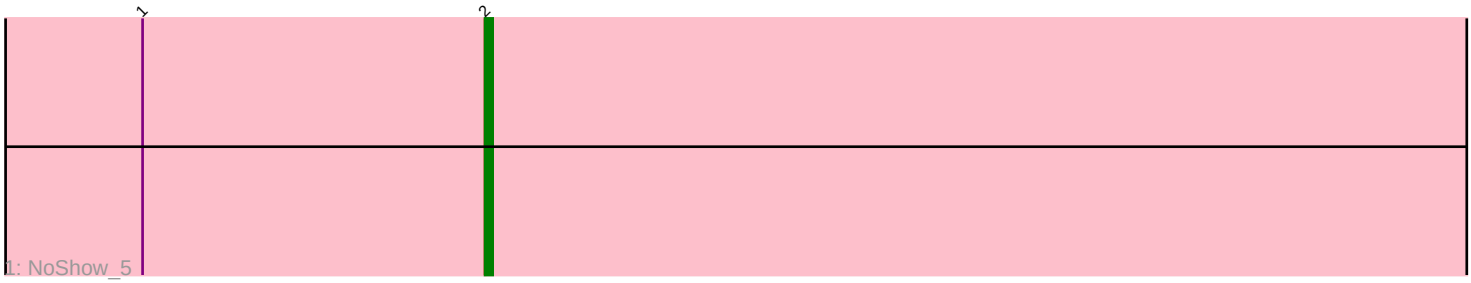
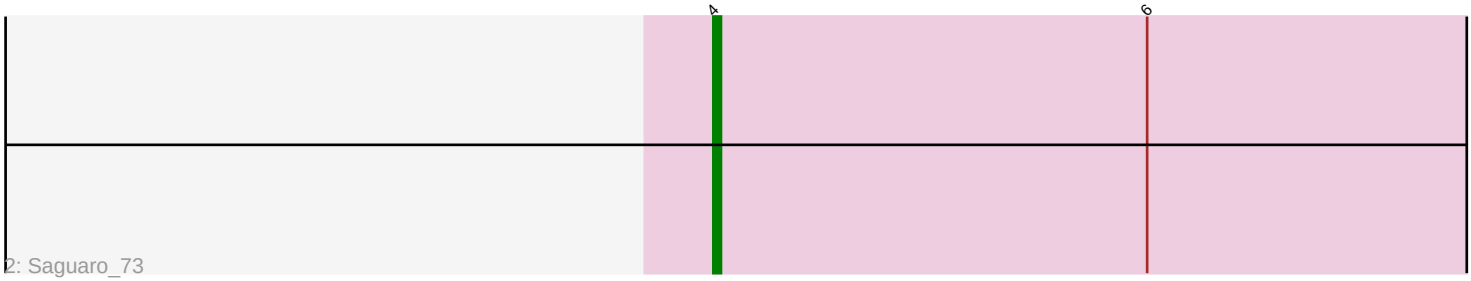
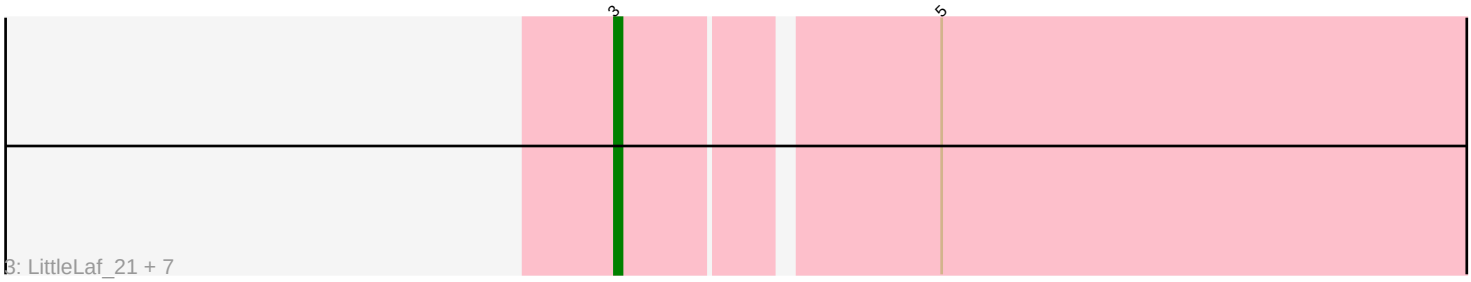
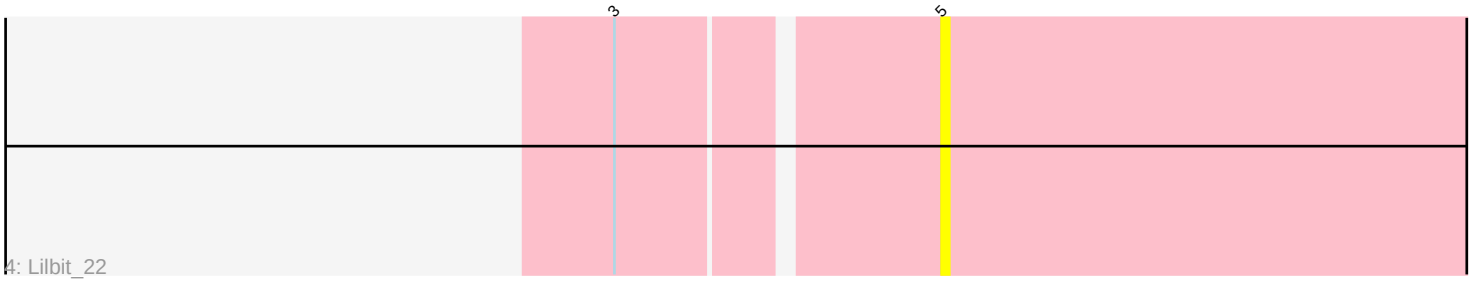
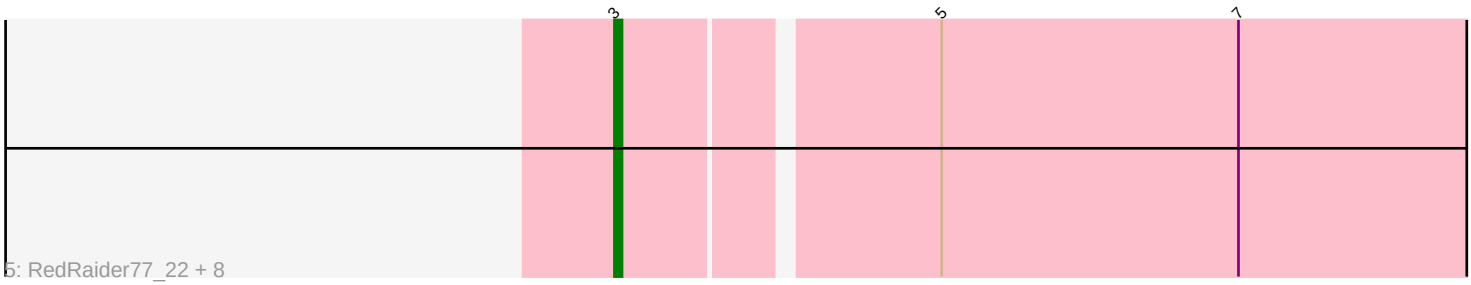
Pham 163942


1
2
1: NoShow_5


4
6
2: Saguaro_73


3
5
3: LittleLaf_21 + 7


3
5
4: Lilbit_22


3
5
7
5: RedRaider77_22 + 8

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 163942 Report

This analysis was run 05/04/24 on database version 560.

Pham number 163942 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : NoShow_5
• Track 2 : Saguaro_73
• Track 3 : LittleLaf_21, JoieB_22, Clarkson_22, Beelzebub_25, Marvin_20, VasuNzinga_20, Pringar_21, Corazon_20
• Track 4 : Lilbit_22
• Track 5 : RedRaider77_22, Poise_22, Blackbeetle_22, MosMoris_20, Caprice_18, Huphlepuff_23, Tesla_21, Gattaca_21, Raela_22

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 16 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_25, Blackbeetle_22, Caprice_18, Clarkson_22, Corazon_20, Gattaca_21, Huphlepuff_23, JoieB_22, LittleLaf_21, Marvin_20, MosMoris_20, Poise_22, Pringar_21, Raela_22, RedRaider77_22, Tesla_21, VasuNzinga_20,

Genes that have the "Most Annotated" start but do not call it:
• Lilbit_22,

Genes that do not have the "Most Annotated" start:
• NoShow_5, Saguaro_73,

Summary by start number:

Start 2:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoShow_5 (AB),

Start 3:
• Found in 18 of 20 (90.0%) of genes in pham

• Manual Annotations of this start: 16 of 18
• Called 94.4% of time when present
• Phage (with cluster) where this start called: Beelzebub_25 (S), Blackbeetle_22 (S), Caprice_18 (S), Clarkson_22 (S), Corazon_20 (S), Gattaca_21 (S), Huphlepuff_23 (S), JoieB_22 (S), LittleLaf_21 (S), Marvin_20 (S), MosMoris_20 (S), Poise_22 (S), Pringar_21 (S), Raela_22 (S), RedRaider77_22 (S), Tesla_21 (S), VasuNzinga_20 (S),

Start 4:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Saguaro_73 (B7),

Start 5:
• Found in 18 of 20 (90.0%) of genes in pham
• No Manual Annotations of this start.
• Called 5.6% of time when present
• Phage (with cluster) where this start called: Lilbit_22 (S),

Summary by clusters:

There are 3 clusters represented in this pham: S, AB, B7,

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

Info for manual annotations of cluster B7:
•Start number 4 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster S:
•Start number 3 was manually annotated 16 times for cluster S.

Gene Information:

Gene: Beelzebub_25 Start: 6549, Stop: 6704, Start Num: 3
Candidate Starts for Beelzebub_25:
(Start: 3 @6549 has 16 MA's), (5, 6588),

Gene: Blackbeetle_22 Start: 5882, Stop: 6037, Start Num: 3
Candidate Starts for Blackbeetle_22:
(Start: 3 @5882 has 16 MA's), (5, 5921), (7, 5960),

Gene: Caprice_18 Start: 5113, Stop: 5268, Start Num: 3
Candidate Starts for Caprice_18:
(Start: 3 @5113 has 16 MA's), (5, 5152), (7, 5191),

Gene: Clarkson_22 Start: 6250, Stop: 6405, Start Num: 3
Candidate Starts for Clarkson_22:
(Start: 3 @6250 has 16 MA's), (5, 6289),

Gene: Corazon_20 Start: 6203, Stop: 6358, Start Num: 3
Candidate Starts for Corazon_20:
(Start: 3 @6203 has 16 MA's), (5, 6242),

Gene: Gattaca_21 Start: 5771, Stop: 5926, Start Num: 3
Candidate Starts for Gattaca_21:
(Start: 3 @5771 has 16 MA's), (5, 5810), (7, 5849),

Gene: Huphlepuff_23 Start: 6055, Stop: 6210, Start Num: 3
Candidate Starts for Huphlepuff_23:
(Start: 3 @6055 has 16 MA's), (5, 6094), (7, 6133),

Gene: JoieB_22 Start: 6274, Stop: 6429, Start Num: 3
Candidate Starts for JoieB_22:
(Start: 3 @6274 has 16 MA's), (5, 6313),

Gene: Lilbit_22 Start: 6290, Stop: 6406, Start Num: 5
Candidate Starts for Lilbit_22:
(Start: 3 @6251 has 16 MA's), (5, 6290),

Gene: LittleLaf_21 Start: 5980, Stop: 6135, Start Num: 3
Candidate Starts for LittleLaf_21:
(Start: 3 @5980 has 16 MA's), (5, 6019),

Gene: Marvin_20 Start: 6250, Stop: 6405, Start Num: 3
Candidate Starts for Marvin_20:
(Start: 3 @6250 has 16 MA's), (5, 6289),

Gene: MosMoris_20 Start: 5771, Stop: 5926, Start Num: 3
Candidate Starts for MosMoris_20:
(Start: 3 @5771 has 16 MA's), (5, 5810), (7, 5849),

Gene: NoShow_5 Start: 4743, Stop: 4907, Start Num: 2
Candidate Starts for NoShow_5:
(1, 4698), (Start: 2 @4743 has 1 MA's),

Gene: Poise_22 Start: 5882, Stop: 6037, Start Num: 3
Candidate Starts for Poise_22:
(Start: 3 @5882 has 16 MA's), (5, 5921), (7, 5960),

Gene: Pringar_21 Start: 5880, Stop: 6035, Start Num: 3
Candidate Starts for Pringar_21:
(Start: 3 @5880 has 16 MA's), (5, 5919),

Gene: Raela_22 Start: 6437, Stop: 6592, Start Num: 3
Candidate Starts for Raela_22:
(Start: 3 @6437 has 16 MA's), (5, 6476), (7, 6515),

Gene: RedRaider77_22 Start: 6021, Stop: 6176, Start Num: 3
Candidate Starts for RedRaider77_22:
(Start: 3 @6021 has 16 MA's), (5, 6060), (7, 6099),

Gene: Saguaro_73 Start: 61316, Stop: 61456, Start Num: 4

Candidate Starts for Saguaro_73:
(Start: 4 @61316 has 1 MA's), (6, 61373),

Gene: Tesla_21 Start: 5873, Stop: 6028, Start Num: 3
Candidate Starts for Tesla_21:
(Start: 3 @5873 has 16 MA's), (5, 5912), (7, 5951),

Gene: VasuNzinga_20 Start: 5457, Stop: 5612, Start Num: 3
Candidate Starts for VasuNzinga_20:
(Start: 3 @5457 has 16 MA's), (5, 5496),