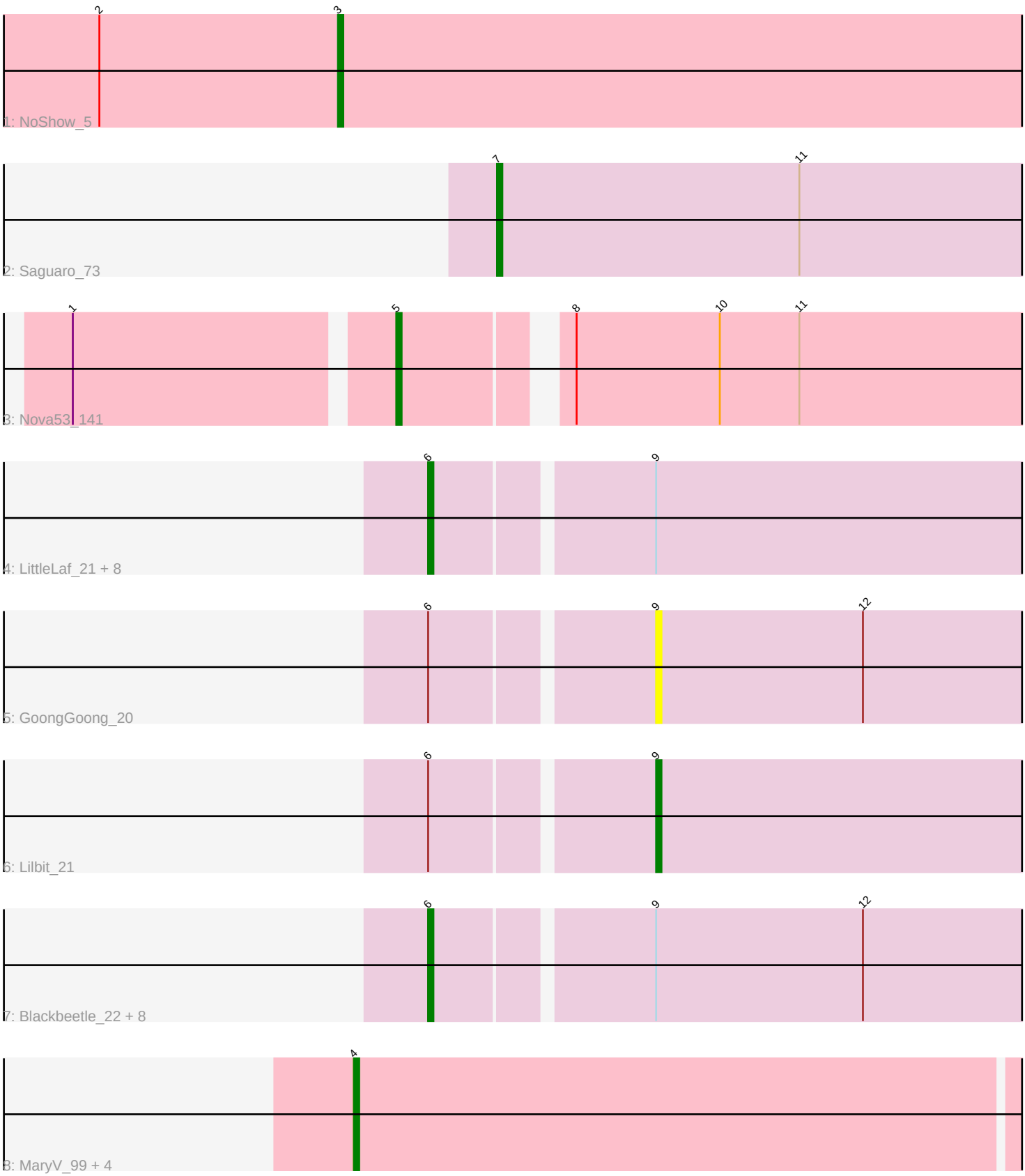
Pham 291437


2
3
1: NoShow_5
7
11
2: Saguaro_73
1
5
8
10
11
3: Nova53_141
6
9
4: LittleLaf_21 + 8
6
9
12
5: GoongGoong_20
6
9
6: Lilbit_21
6
9
12
7: Blackbeetle_22 + 8
4
8: MaryV_99 + 4

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 291437 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291437 has 28 members, 2 are drafts.

Phages represented in each track:
• Track 1 : NoShow_5
• Track 2 : Saguaro_73
• Track 3 : Nova53_141
• Track 4 : LittleLaf_21, Clarkson_22, Marvin_20, VasuNzinga_20, Pringar_21, FeliMaine_22, JoieB_22, Beelzebub_25, Corazon_20
• Track 5 : GoongGoong_20
• Track 6 : Lilbit_21
• Track 7 : Blackbeetle_22, Huphlepuff_23, Gattaca_21, MosMoris_20, Caprice_18, Raela_22, Tesla_21, RedRaider77_22, Poise_22
• Track 8 : MaryV_99, Wildcat_99, Cosmo_97, EniyanLRS_94, Azrael100_96

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 17 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_25, Blackbeetle_22, Caprice_18, Clarkson_22, Corazon_20, FeliMaine_22, 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:
• GoongGoong_20, Lilbit_21,

Genes that do not have the "Most Annotated" start:
• Azrael100_96, Cosmo_97, EniyanLRS_94, MaryV_99, NoShow_5, Nova53_141, Saguaro_73, Wildcat_99,

Summary by start number:

Start 3:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 26

• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoShow_5 (AB),

Start 4:
• Found in 5 of 28 (17.9%) of genes in pham
• Manual Annotations of this start: 5 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azrael100_96 (V), Cosmo_97 (V), EniyanLRS_94 (V), MaryV_99 (V), Wildcat_99 (V),

Start 5:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nova53_141 (CG),

Start 6:
• Found in 20 of 28 (71.4%) of genes in pham
• Manual Annotations of this start: 17 of 26
• Called 90.0% 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), FeliMaine_22 (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 7:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Saguaro_73 (B7),

Start 9:
• Found in 20 of 28 (71.4%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 10.0% of time when present
• Phage (with cluster) where this start called: GoongGoong_20 (S), Lilbit_21 (S),

Summary by clusters:

There are 5 clusters represented in this pham: B7, S, AB, CG, V,

Info for manual annotations of cluster AB:
•Start number 3 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster B7:
•Start number 7 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster CG:
•Start number 5 was manually annotated 1 time for cluster CG.

Info for manual annotations of cluster S:
•Start number 6 was manually annotated 17 times for cluster S.

•Start number 9 was manually annotated 1 time for cluster S.

Info for manual annotations of cluster V:
•Start number 4 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Azrael100_96 Start: 57539, Stop: 57703, Start Num: 4
Candidate Starts for Azrael100_96:
(Start: 4 @57539 has 5 MA's),

Gene: Beelzebub_25 Start: 6549, Stop: 6704, Start Num: 6
Candidate Starts for Beelzebub_25:
(Start: 6 @6549 has 17 MA's), (Start: 9 @6588 has 1 MA's),

Gene: Blackbeetle_22 Start: 5882, Stop: 6037, Start Num: 6
Candidate Starts for Blackbeetle_22:
(Start: 6 @5882 has 17 MA's), (Start: 9 @5921 has 1 MA's), (12, 5960),

Gene: Caprice_18 Start: 5113, Stop: 5268, Start Num: 6
Candidate Starts for Caprice_18:
(Start: 6 @5113 has 17 MA's), (Start: 9 @5152 has 1 MA's), (12, 5191),

Gene: Clarkson_22 Start: 6250, Stop: 6405, Start Num: 6
Candidate Starts for Clarkson_22:
(Start: 6 @6250 has 17 MA's), (Start: 9 @6289 has 1 MA's),

Gene: Corazon_20 Start: 6203, Stop: 6358, Start Num: 6
Candidate Starts for Corazon_20:
(Start: 6 @6203 has 17 MA's), (Start: 9 @6242 has 1 MA's),

Gene: Cosmo_97 Start: 57537, Stop: 57701, Start Num: 4
Candidate Starts for Cosmo_97:
(Start: 4 @57537 has 5 MA's),

Gene: EniyanLRS_94 Start: 57534, Stop: 57698, Start Num: 4
Candidate Starts for EniyanLRS_94:
(Start: 4 @57534 has 5 MA's),

Gene: FeliMaine_22 Start: 6251, Stop: 6406, Start Num: 6
Candidate Starts for FeliMaine_22:
(Start: 6 @6251 has 17 MA's), (Start: 9 @6290 has 1 MA's),

Gene: Gattaca_21 Start: 5771, Stop: 5926, Start Num: 6
Candidate Starts for Gattaca_21:
(Start: 6 @5771 has 17 MA's), (Start: 9 @5810 has 1 MA's), (12, 5849),

Gene: GoongGoong_20 Start: 5823, Stop: 5939, Start Num: 9
Candidate Starts for GoongGoong_20:
(Start: 6 @5784 has 17 MA's), (Start: 9 @5823 has 1 MA's), (12, 5862),

Gene: Huphlepuff_23 Start: 6055, Stop: 6210, Start Num: 6
Candidate Starts for Huphlepuff_23:
(Start: 6 @6055 has 17 MA's), (Start: 9 @6094 has 1 MA's), (12, 6133),

Gene: JoieB_22 Start: 6274, Stop: 6429, Start Num: 6
Candidate Starts for JoieB_22:
(Start: 6 @6274 has 17 MA's), (Start: 9 @6313 has 1 MA's),

Gene: Lilbit_21 Start: 6290, Stop: 6406, Start Num: 9
Candidate Starts for Lilbit_21:
(Start: 6 @6251 has 17 MA's), (Start: 9 @6290 has 1 MA's),

Gene: LittleLaf_21 Start: 5980, Stop: 6135, Start Num: 6
Candidate Starts for LittleLaf_21:
(Start: 6 @5980 has 17 MA's), (Start: 9 @6019 has 1 MA's),

Gene: Marvin_20 Start: 6250, Stop: 6405, Start Num: 6
Candidate Starts for Marvin_20:
(Start: 6 @6250 has 17 MA's), (Start: 9 @6289 has 1 MA's),

Gene: MaryV_99 Start: 57945, Stop: 58109, Start Num: 4
Candidate Starts for MaryV_99:
(Start: 4 @57945 has 5 MA's),

Gene: MosMoris_20 Start: 5771, Stop: 5926, Start Num: 6
Candidate Starts for MosMoris_20:
(Start: 6 @5771 has 17 MA's), (Start: 9 @5810 has 1 MA's), (12, 5849),

Gene: NoShow_5 Start: 4743, Stop: 4907, Start Num: 3
Candidate Starts for NoShow_5:
(2, 4698), (Start: 3 @4743 has 1 MA's),

Gene: Nova53_141 Start: 86962, Stop: 87084, Start Num: 5
Candidate Starts for Nova53_141:
(1, 86905), (Start: 5 @86962 has 1 MA's), (8, 86989), (10, 87016), (11, 87031),

Gene: Poise_22 Start: 5882, Stop: 6037, Start Num: 6
Candidate Starts for Poise_22:
(Start: 6 @5882 has 17 MA's), (Start: 9 @5921 has 1 MA's), (12, 5960),

Gene: Pringar_21 Start: 5880, Stop: 6035, Start Num: 6
Candidate Starts for Pringar_21:
(Start: 6 @5880 has 17 MA's), (Start: 9 @5919 has 1 MA's),

Gene: Raela_22 Start: 6437, Stop: 6592, Start Num: 6
Candidate Starts for Raela_22:
(Start: 6 @6437 has 17 MA's), (Start: 9 @6476 has 1 MA's), (12, 6515),

Gene: RedRaider77_22 Start: 6021, Stop: 6176, Start Num: 6
Candidate Starts for RedRaider77_22:
(Start: 6 @6021 has 17 MA's), (Start: 9 @6060 has 1 MA's), (12, 6099),

Gene: Saguaro_73 Start: 61316, Stop: 61456, Start Num: 7

Candidate Starts for Saguaro_73:
(Start: 7 @61316 has 1 MA's), (11, 61373),

Gene: Tesla_21 Start: 5873, Stop: 6028, Start Num: 6
Candidate Starts for Tesla_21:
(Start: 6 @5873 has 17 MA's), (Start: 9 @5912 has 1 MA's), (12, 5951),

Gene: VasuNzinga_20 Start: 5457, Stop: 5612, Start Num: 6
Candidate Starts for VasuNzinga_20:
(Start: 6 @5457 has 17 MA's), (Start: 9 @5496 has 1 MA's),

Gene: Wildcat_99 Start: 57955, Stop: 58119, Start Num: 4
Candidate Starts for Wildcat_99:
(Start: 4 @57955 has 5 MA's),