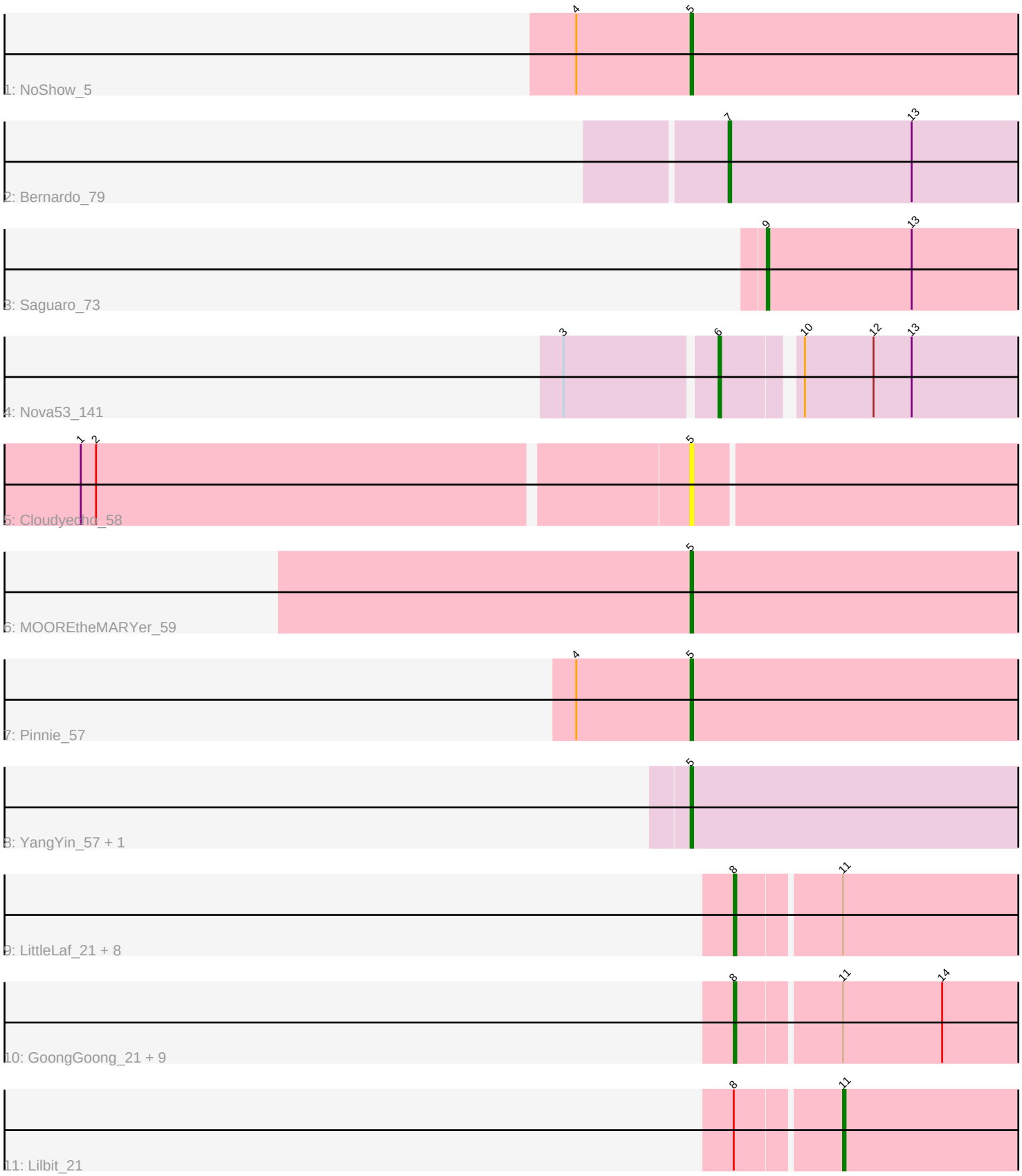
Pham 296817


4
5
1: NoShow_5
7
13
2: Bernardo_79
9
13
3: Saguaro_73
3
6
10
12
13
4: Nova53_141
1
2
5
5: Cloudyechd_58
5
6: MOOREtheMARYer_59
4
5
7: Pinnie_57
5
8: YangYin_57 + 1
8
11
9: LittleLaf_21 + 8
8
11
14
10: GoongGoong_21 + 9
8
11
11: Lilbit_21

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 296817 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296817 has 29 members, 3 are drafts.

Phages represented in each track:
• Track 1 : NoShow_5
• Track 2 : Bernardo_79
• Track 3 : Saguaro_73
• Track 4 : Nova53_141
• Track 5 : Cloudyecho_58
• Track 6 : MOOREtheMARYer_59
• Track 7 : Pinnie_57
• Track 8 : YangYin_57, Stargaze_57
• Track 9 : LittleLaf_21, Clarkson_22, Marvin_20, VasuNzinga_20, Pringar_21, JoieB_22, FeliMaine_22, Beelzebub_25, Corazon_20
• Track 10 : GoongGoong_21, Blackbeetle_22, Huphlepuff_23, Gattaca_21, MosMoris_20, Raela_22, Caprice_18, Tesla_21, RedRaider77_22, Poise_22
• Track 11 : Lilbit_21

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

The start number called the most often in the published annotations is 8, it was called in 18 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, GoongGoong_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_21,

Genes that do not have the "Most Annotated" start:
• Bernardo_79, Cloudyecho_58, MOOREtheMARYer_59, NoShow_5, Nova53_141, Pinnie_57, Saguaro_73, Stargaze_57, YangYin_57,

Summary by start number:

Start 5:
• Found in 6 of 29 (20.7%) of genes in pham
• Manual Annotations of this start: 4 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cloudyecho_58 (G3), MOOREtheMARYer_59 (G3), NoShow_5 (AB), Pinnie_57 (G3), Stargaze_57 (G5), YangYin_57 (G5),

Start 6:
• Found in 1 of 29 (3.4%) 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 7:
• Found in 1 of 29 (3.4%) 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: Bernardo_79 (B3),

Start 8:
• Found in 20 of 29 (69.0%) of genes in pham
• Manual Annotations of this start: 18 of 26
• Called 95.0% 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), GoongGoong_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 9:
• Found in 1 of 29 (3.4%) 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 11:
• Found in 20 of 29 (69.0%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Lilbit_21 (S),

Summary by clusters:

There are 7 clusters represented in this pham: G5, AB, G3, CG, S, B7, B3,

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

Info for manual annotations of cluster B3:
•Start number 7 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B7:

•Start number 9 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster CG:
•Start number 6 was manually annotated 1 time for cluster CG.

Info for manual annotations of cluster G3:
•Start number 5 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G5:
•Start number 5 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster S:
•Start number 8 was manually annotated 18 times for cluster S.
•Start number 11 was manually annotated 1 time for cluster S.

Gene Information:

Gene: Beelzebub_25 Start: 6549, Stop: 6704, Start Num: 8
Candidate Starts for Beelzebub_25:
(Start: 8 @6549 has 18 MA's), (Start: 11 @6588 has 1 MA's),

Gene: Bernardo_79 Start: 60792, Stop: 60604, Start Num: 7
Candidate Starts for Bernardo_79:
(Start: 7 @60792 has 1 MA's), (13, 60720),

Gene: Blackbeetle_22 Start: 5882, Stop: 6037, Start Num: 8
Candidate Starts for Blackbeetle_22:
(Start: 8 @5882 has 18 MA's), (Start: 11 @5921 has 1 MA's), (14, 5960),

Gene: Caprice_18 Start: 5113, Stop: 5268, Start Num: 8
Candidate Starts for Caprice_18:
(Start: 8 @5113 has 18 MA's), (Start: 11 @5152 has 1 MA's), (14, 5191),

Gene: Clarkson_22 Start: 6250, Stop: 6405, Start Num: 8
Candidate Starts for Clarkson_22:
(Start: 8 @6250 has 18 MA's), (Start: 11 @6289 has 1 MA's),

Gene: Cloudyecho_58 Start: 41162, Stop: 41344, Start Num: 5
Candidate Starts for Cloudyecho_58:
(1, 40928), (2, 40934), (Start: 5 @41162 has 4 MA's),

Gene: Corazon_20 Start: 6203, Stop: 6358, Start Num: 8
Candidate Starts for Corazon_20:
(Start: 8 @6203 has 18 MA's), (Start: 11 @6242 has 1 MA's),

Gene: FeliMaine_22 Start: 6251, Stop: 6406, Start Num: 8
Candidate Starts for FeliMaine_22:
(Start: 8 @6251 has 18 MA's), (Start: 11 @6290 has 1 MA's),

Gene: Gattaca_21 Start: 5771, Stop: 5926, Start Num: 8
Candidate Starts for Gattaca_21:

(Start: 8 @5771 has 18 MA's), (Start: 11 @5810 has 1 MA's), (14, 5849),

Gene: GoongGoong_21 Start: 5784, Stop: 5939, Start Num: 8
Candidate Starts for GoongGoong_21:
(Start: 8 @5784 has 18 MA's), (Start: 11 @5823 has 1 MA's), (14, 5862),

Gene: Huphlepuff_23 Start: 6055, Stop: 6210, Start Num: 8
Candidate Starts for Huphlepuff_23:
(Start: 8 @6055 has 18 MA's), (Start: 11 @6094 has 1 MA's), (14, 6133),

Gene: JoieB_22 Start: 6274, Stop: 6429, Start Num: 8
Candidate Starts for JoieB_22:
(Start: 8 @6274 has 18 MA's), (Start: 11 @6313 has 1 MA's),

Gene: Lilbit_21 Start: 6290, Stop: 6406, Start Num: 11
Candidate Starts for Lilbit_21:
(Start: 8 @6251 has 18 MA's), (Start: 11 @6290 has 1 MA's),

Gene: LittleLaf_21 Start: 5980, Stop: 6135, Start Num: 8
Candidate Starts for LittleLaf_21:
(Start: 8 @5980 has 18 MA's), (Start: 11 @6019 has 1 MA's),

Gene: MOOREtheMARYer_59 Start: 40807, Stop: 40995, Start Num: 5
Candidate Starts for MOOREtheMARYer_59:
(Start: 5 @40807 has 4 MA's),

Gene: Marvin_20 Start: 6250, Stop: 6405, Start Num: 8
Candidate Starts for Marvin_20:
(Start: 8 @6250 has 18 MA's), (Start: 11 @6289 has 1 MA's),

Gene: MosMoris_20 Start: 5771, Stop: 5926, Start Num: 8
Candidate Starts for MosMoris_20:
(Start: 8 @5771 has 18 MA's), (Start: 11 @5810 has 1 MA's), (14, 5849),

Gene: NoShow_5 Start: 4743, Stop: 4907, Start Num: 5
Candidate Starts for NoShow_5:
(4, 4698), (Start: 5 @4743 has 4 MA's),

Gene: Nova53_141 Start: 86962, Stop: 87084, Start Num: 6
Candidate Starts for Nova53_141:
(3, 86905), (Start: 6 @86962 has 1 MA's), (10, 86989), (12, 87016), (13, 87031),

Gene: Pinnie_57 Start: 40921, Stop: 41109, Start Num: 5
Candidate Starts for Pinnie_57:
(4, 40876), (Start: 5 @40921 has 4 MA's),

Gene: Poise_22 Start: 5882, Stop: 6037, Start Num: 8
Candidate Starts for Poise_22:
(Start: 8 @5882 has 18 MA's), (Start: 11 @5921 has 1 MA's), (14, 5960),

Gene: Pringar_21 Start: 5880, Stop: 6035, Start Num: 8
Candidate Starts for Pringar_21:
(Start: 8 @5880 has 18 MA's), (Start: 11 @5919 has 1 MA's),

Gene: Raela_22 Start: 6437, Stop: 6592, Start Num: 8
Candidate Starts for Raela_22:
(Start: 8 @6437 has 18 MA's), (Start: 11 @6476 has 1 MA's), (14, 6515),

Gene: RedRaider77_22 Start: 6021, Stop: 6176, Start Num: 8
Candidate Starts for RedRaider77_22:
(Start: 8 @6021 has 18 MA's), (Start: 11 @6060 has 1 MA's), (14, 6099),

Gene: Saguaro_73 Start: 61316, Stop: 61456, Start Num: 9
Candidate Starts for Saguaro_73:
(Start: 9 @61316 has 1 MA's), (13, 61373),

Gene: Stargaze_57 Start: 40411, Stop: 40605, Start Num: 5
Candidate Starts for Stargaze_57:
(Start: 5 @40411 has 4 MA's),

Gene: Tesla_21 Start: 5873, Stop: 6028, Start Num: 8
Candidate Starts for Tesla_21:
(Start: 8 @5873 has 18 MA's), (Start: 11 @5912 has 1 MA's), (14, 5951),

Gene: VasuNzinga_20 Start: 5457, Stop: 5612, Start Num: 8
Candidate Starts for VasuNzinga_20:
(Start: 8 @5457 has 18 MA's), (Start: 11 @5496 has 1 MA's),

Gene: YangYin_57 Start: 40848, Stop: 41042, Start Num: 5
Candidate Starts for YangYin_57:
(Start: 5 @40848 has 4 MA's),