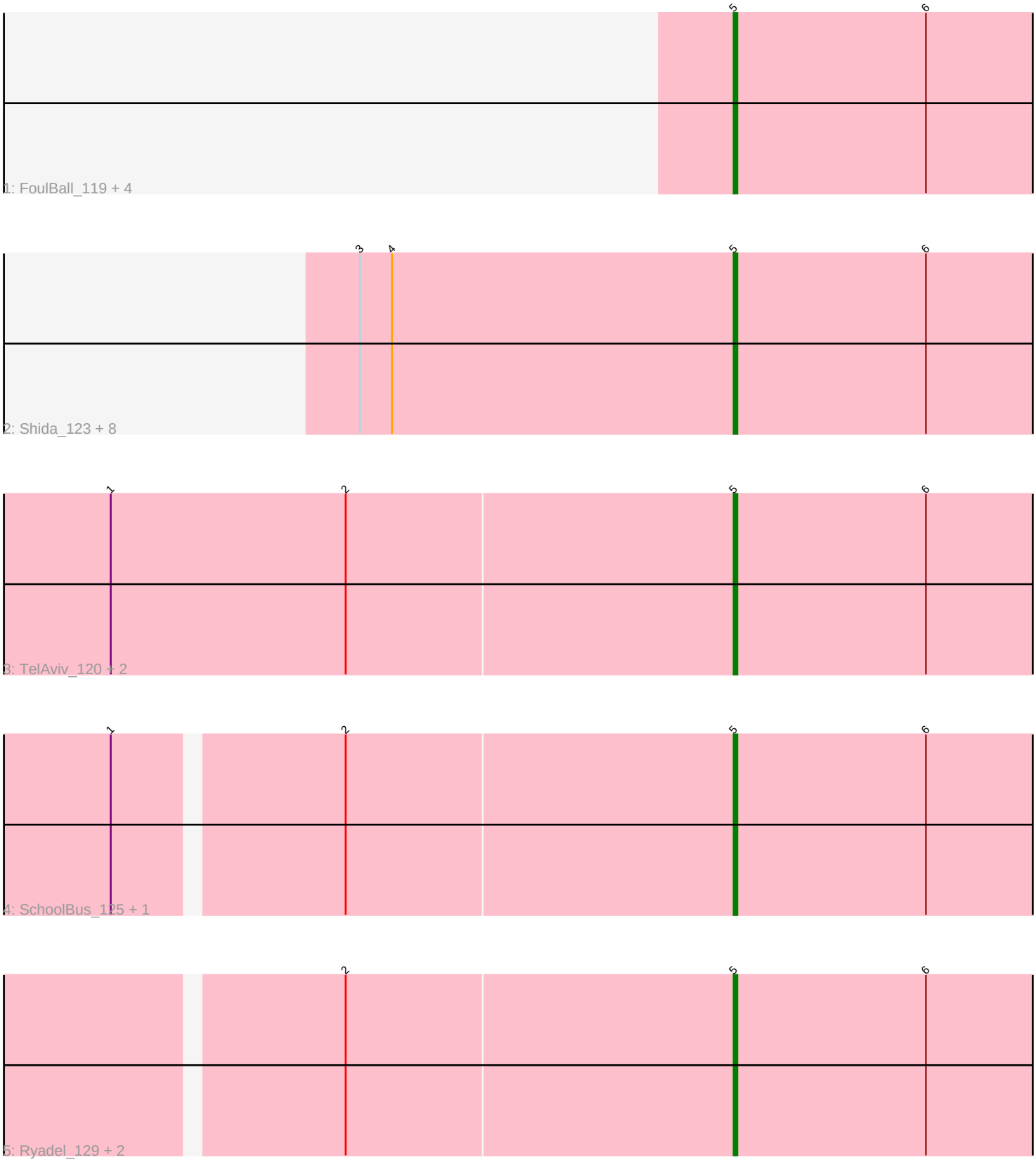
Pham 86843


5
6
1: FoulBall_119 + 4
3
4
5
6
2: Shida_123 + 8
1
2
5
6
3: TelAviv_120 + 2
1
2
5
6
4: SchoolBus_125 + 1
2
5
6
5: Ryadel_129 + 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 86843 Report

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

Pham number 86843 has 22 members, 6 are drafts.

Phages represented in each track:
• Track 1 : FoulBall_119, Winget_124, JangDynasty_122, Alkhayr_119, Schuy_120
• Track 2 : Shida_123, Firecracker_124, Catdawg_125, Vorrps_124, Wildflower_116, Idergollasper_128, MadKillah_127, Ashwin_118, Murai_124
• Track 3 : TelAviv_120, Bora_122, NiebruSaylor_124
• Track 4 : SchoolBus_125, Familton_126
• Track 5 : Ryadel_129, Mori_124, Blessica_123

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

Genes that call this "Most Annotated" start:
• Alkhayr_119, Ashwin_118, Blessica_123, Bora_122, Catdawg_125, Familton_126, Firecracker_124, FoulBall_119, Idergollasper_128, JangDynasty_122, MadKillah_127, Mori_124, Murai_124, NiebruSaylor_124, Ryadel_129, SchoolBus_125, Schuy_120, Shida_123, TelAviv_120, Vorrps_124, Wildflower_116, Winget_124,

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

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

Summary by start number:

Start 5:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alkhayr_119 (O), Ashwin_118 (O), Blessica_123 (O), Bora_122 (O), Catdawg_125 (O), Familton_126 (O), Firecracker_124 (O), FoulBall_119 (O), Idergollasper_128 (O), JangDynasty_122 (O),

MadKillah_127 (O), Mori_124 (O), Murai_124 (O), NiebruSaylor_124 (O), Ryadel_129 (O), SchoolBus_125 (O), Schuy_120 (O), Shida_123 (O), TelAviv_120 (O), Vorrps_124 (O), Wildflower_116 (O), Winget_124 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 5 was manually annotated 16 times for cluster O.

Gene Information:

Gene: Alkhayr_119 Start: 68436, Stop: 68281, Start Num: 5
Candidate Starts for Alkhayr_119:
(Start: 5 @68436 has 16 MA's), (6, 68382),

Gene: Ashwin_118 Start: 67348, Stop: 67193, Start Num: 5
Candidate Starts for Ashwin_118:
(3, 67453), (4, 67444), (Start: 5 @67348 has 16 MA's), (6, 67294),

Gene: Blessica_123 Start: 69102, Stop: 68947, Start Num: 5
Candidate Starts for Blessica_123:
(2, 69210), (Start: 5 @69102 has 16 MA's), (6, 69048),

Gene: Bora_122 Start: 69117, Stop: 68962, Start Num: 5
Candidate Starts for Bora_122:
(1, 69291), (2, 69225), (Start: 5 @69117 has 16 MA's), (6, 69063),

Gene: Catdawg_125 Start: 69756, Stop: 69601, Start Num: 5
Candidate Starts for Catdawg_125:
(3, 69861), (4, 69852), (Start: 5 @69756 has 16 MA's), (6, 69702),

Gene: Familton_126 Start: 69472, Stop: 69317, Start Num: 5
Candidate Starts for Familton_126:
(1, 69640), (2, 69580), (Start: 5 @69472 has 16 MA's), (6, 69418),

Gene: Firecracker_124 Start: 68988, Stop: 68833, Start Num: 5
Candidate Starts for Firecracker_124:
(3, 69093), (4, 69084), (Start: 5 @68988 has 16 MA's), (6, 68934),

Gene: FoulBall_119 Start: 68719, Stop: 68564, Start Num: 5
Candidate Starts for FoulBall_119:
(Start: 5 @68719 has 16 MA's), (6, 68665),

Gene: Idergollasper_128 Start: 70162, Stop: 70007, Start Num: 5
Candidate Starts for Idergollasper_128:
(3, 70267), (4, 70258), (Start: 5 @70162 has 16 MA's), (6, 70108),

Gene: JangDynasty_122 Start: 68521, Stop: 68366, Start Num: 5
Candidate Starts for JangDynasty_122:

(Start: 5 @68521 has 16 MA's), (6, 68467),

Gene: MadKillah_127 Start: 68789, Stop: 68634, Start Num: 5
Candidate Starts for MadKillah_127:
(3, 68894), (4, 68885), (Start: 5 @68789 has 16 MA's), (6, 68735),

Gene: Mori_124 Start: 69339, Stop: 69184, Start Num: 5
Candidate Starts for Mori_124:
(2, 69447), (Start: 5 @69339 has 16 MA's), (6, 69285),

Gene: Murai_124 Start: 69157, Stop: 69002, Start Num: 5
Candidate Starts for Murai_124:
(3, 69262), (4, 69253), (Start: 5 @69157 has 16 MA's), (6, 69103),

Gene: NiebruSaylor_124 Start: 68453, Stop: 68298, Start Num: 5
Candidate Starts for NiebruSaylor_124:
(1, 68627), (2, 68561), (Start: 5 @68453 has 16 MA's), (6, 68399),

Gene: Ryadel_129 Start: 70305, Stop: 70150, Start Num: 5
Candidate Starts for Ryadel_129:
(2, 70413), (Start: 5 @70305 has 16 MA's), (6, 70251),

Gene: SchoolBus_125 Start: 69336, Stop: 69181, Start Num: 5
Candidate Starts for SchoolBus_125:
(1, 69504), (2, 69444), (Start: 5 @69336 has 16 MA's), (6, 69282),

Gene: Schuy_120 Start: 68498, Stop: 68343, Start Num: 5
Candidate Starts for Schuy_120:
(Start: 5 @68498 has 16 MA's), (6, 68444),

Gene: Shida_123 Start: 69000, Stop: 68845, Start Num: 5
Candidate Starts for Shida_123:
(3, 69105), (4, 69096), (Start: 5 @69000 has 16 MA's), (6, 68946),

Gene: TelAviv_120 Start: 69081, Stop: 68926, Start Num: 5
Candidate Starts for TelAviv_120:
(1, 69255), (2, 69189), (Start: 5 @69081 has 16 MA's), (6, 69027),

Gene: Vorrps_124 Start: 69338, Stop: 69183, Start Num: 5
Candidate Starts for Vorrps_124:
(3, 69443), (4, 69434), (Start: 5 @69338 has 16 MA's), (6, 69284),

Gene: Wildflower_116 Start: 66989, Stop: 66834, Start Num: 5
Candidate Starts for Wildflower_116:
(3, 67094), (4, 67085), (Start: 5 @66989 has 16 MA's), (6, 66935),

Gene: Winget_124 Start: 69189, Stop: 69034, Start Num: 5
Candidate Starts for Winget_124:
(Start: 5 @69189 has 16 MA's), (6, 69135),