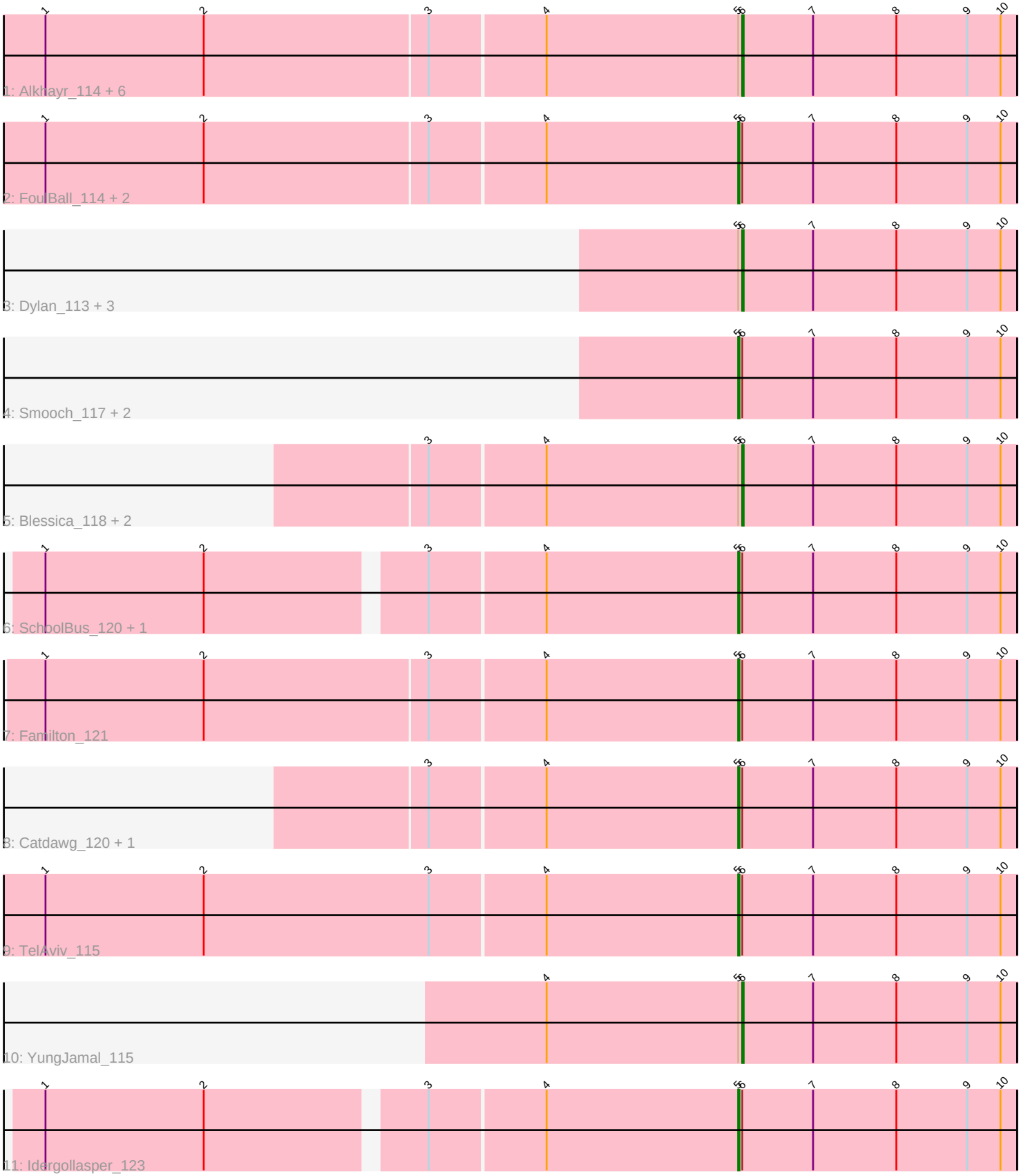
Pham 3460


1: Alkhayr_114 + 6
2: FoulBall_114 + 2
3: Dylan_113 + 3
4: Smooch_117 + 2
5: Blessica_118 + 2
6: SchoolBus_120 + 1
7: Familton_121
8: Catdawg_120 + 1
9: TelAviv_115
10: YungJamal_115
11: Idergollasper_123

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 3460 Report

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

Pham number 3460 has 28 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Alkhayr_114, Schuy_115, Bora_117, Murai_119, Winget_119, MadKillah_122, Ryadel_124
• Track 2 : FoulBall_114, Krili_121, NiebruSaylor_119
• Track 3 : Dylan_113, Zakhe101_114, Wildflower_111, Ashwin_113
• Track 4 : Smooch_117, Corndog_115, Firecracker_119
• Track 5 : Blessica_118, Mori_119, Vorrps_119
• Track 6 : SchoolBus_120, JangDynasty_117
• Track 7 : Familton_121
• Track 8 : Catdawg_120, Shida_118
• Track 9 : TelAviv_115
• Track 10 : YungJamal_115
• Track 11 : Idergollasper_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 12 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catdawg_120, Corndog_115, Familton_121, Firecracker_119, FoulBall_114, Idergollasper_123, JangDynasty_117, Krili_121, NiebruSaylor_119, SchoolBus_120, Shida_118, Smooch_117, TelAviv_115,

Genes that have the "Most Annotated" start but do not call it:
• Alkhayr_114, Ashwin_113, Blessica_118, Bora_117, Dylan_113, MadKillah_122, Mori_119, Murai_119, Ryadel_124, Schuy_115, Vorrps_119, Wildflower_111, Winget_119, YungJamal_115, Zakhe101_114,

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

Summary by start number:

Start 5:

• Found in 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 22
• Called 46.4% of time when present
• Phage (with cluster) where this start called: Catdawg_120 (O), Corndog_115 (O), Familton_121 (O), Firecracker_119 (O), FoulBall_114 (O), Idergollasper_123 (O), JangDynasty_117 (O), Krili_121 (O), NiebruSaylor_119 (O), SchoolBus_120 (O), Shida_118 (O), Smooch_117 (O), TelAviv_115 (O),

Start 6:
• Found in 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 22
• Called 53.6% of time when present
• Phage (with cluster) where this start called: Alkhayr_114 (O), Ashwin_113 (O), Blessica_118 (O), Bora_117 (O), Dylan_113 (O), MadKillah_122 (O), Mori_119 (O), Murai_119 (O), Ryadel_124 (O), Schuy_115 (O), Vorrps_119 (O), Wildflower_111 (O), Winget_119 (O), YungJamal_115 (O), Zakhe101_114 (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 12 times for cluster O.
•Start number 6 was manually annotated 10 times for cluster O.

Gene Information:

Gene: Alkhayr_114 Start: 67223, Stop: 67026, Start Num: 6
Candidate Starts for Alkhayr_114:
(1, 67718), (2, 67604), (3, 67445), (4, 67364), (Start: 5 @67226 has 12 MA's), (Start: 6 @67223 has 10 MA's), (7, 67172), (8, 67112), (9, 67061), (10, 67037),

Gene: Ashwin_113 Start: 66121, Stop: 65924, Start Num: 6
Candidate Starts for Ashwin_113:
(Start: 5 @66124 has 12 MA's), (Start: 6 @66121 has 10 MA's), (7, 66070), (8, 66010), (9, 65959), (10, 65935),

Gene: Blessica_118 Start: 67889, Stop: 67692, Start Num: 6
Candidate Starts for Blessica_118:
(3, 68111), (4, 68030), (Start: 5 @67892 has 12 MA's), (Start: 6 @67889 has 10 MA's), (7, 67838), (8, 67778), (9, 67727), (10, 67703),

Gene: Bora_117 Start: 67907, Stop: 67710, Start Num: 6
Candidate Starts for Bora_117:
(1, 68402), (2, 68288), (3, 68129), (4, 68048), (Start: 5 @67910 has 12 MA's), (Start: 6 @67907 has 10 MA's), (7, 67856), (8, 67796), (9, 67745), (10, 67721),

Gene: Catdawg_120 Start: 68546, Stop: 68346, Start Num: 5
Candidate Starts for Catdawg_120:
(3, 68765), (4, 68684), (Start: 5 @68546 has 12 MA's), (Start: 6 @68543 has 10 MA's), (7, 68492), (8, 68432), (9, 68381), (10, 68357),

Gene: Corndog_115 Start: 66181, Stop: 65981, Start Num: 5
Candidate Starts for Corndog_115:
(Start: 5 @66181 has 12 MA's), (Start: 6 @66178 has 10 MA's), (7, 66127), (8, 66067), (9, 66016), (10, 65992),

Gene: Dylan_113 Start: 66225, Stop: 66028, Start Num: 6
Candidate Starts for Dylan_113:
(Start: 5 @66228 has 12 MA's), (Start: 6 @66225 has 10 MA's), (7, 66174), (8, 66114), (9, 66063), (10, 66039),

Gene: Familton_121 Start: 68253, Stop: 68053, Start Num: 5
Candidate Starts for Familton_121:
(1, 68745), (2, 68631), (3, 68472), (4, 68391), (Start: 5 @68253 has 12 MA's), (Start: 6 @68250 has 10 MA's), (7, 68199), (8, 68139), (9, 68088), (10, 68064),

Gene: Firecracker_119 Start: 67761, Stop: 67561, Start Num: 5
Candidate Starts for Firecracker_119:
(Start: 5 @67761 has 12 MA's), (Start: 6 @67758 has 10 MA's), (7, 67707), (8, 67647), (9, 67596), (10, 67572),

Gene: FoulBall_114 Start: 67509, Stop: 67309, Start Num: 5
Candidate Starts for FoulBall_114:
(1, 68001), (2, 67887), (3, 67728), (4, 67647), (Start: 5 @67509 has 12 MA's), (Start: 6 @67506 has 10 MA's), (7, 67455), (8, 67395), (9, 67344), (10, 67320),

Gene: Idergollasper_123 Start: 68964, Stop: 68764, Start Num: 5
Candidate Starts for Idergollasper_123:
(1, 69444), (2, 69330), (3, 69183), (4, 69102), (Start: 5 @68964 has 12 MA's), (Start: 6 @68961 has 10 MA's), (7, 68910), (8, 68850), (9, 68799), (10, 68775),

Gene: JangDynasty_117 Start: 67314, Stop: 67114, Start Num: 5
Candidate Starts for JangDynasty_117:
(1, 67794), (2, 67680), (3, 67533), (4, 67452), (Start: 5 @67314 has 12 MA's), (Start: 6 @67311 has 10 MA's), (7, 67260), (8, 67200), (9, 67149), (10, 67125),

Gene: Krili_121 Start: 68103, Stop: 67903, Start Num: 5
Candidate Starts for Krili_121:
(1, 68595), (2, 68481), (3, 68322), (4, 68241), (Start: 5 @68103 has 12 MA's), (Start: 6 @68100 has 10 MA's), (7, 68049), (8, 67989), (9, 67938), (10, 67914),

Gene: MadKillah_122 Start: 67576, Stop: 67379, Start Num: 6
Candidate Starts for MadKillah_122:
(1, 68071), (2, 67957), (3, 67798), (4, 67717), (Start: 5 @67579 has 12 MA's), (Start: 6 @67576 has 10 MA's), (7, 67525), (8, 67465), (9, 67414), (10, 67390),

Gene: Mori_119 Start: 68126, Stop: 67929, Start Num: 6
Candidate Starts for Mori_119:
(3, 68348), (4, 68267), (Start: 5 @68129 has 12 MA's), (Start: 6 @68126 has 10 MA's), (7, 68075), (8, 68015), (9, 67964), (10, 67940),

Gene: Murai_119 Start: 67944, Stop: 67747, Start Num: 6
Candidate Starts for Murai_119:

(1, 68439), (2, 68325), (3, 68166), (4, 68085), (Start: 5 @67947 has 12 MA's), (Start: 6 @67944 has 10 MA's), (7, 67893), (8, 67833), (9, 67782), (10, 67758),

Gene: NiebruSaylor_119 Start: 67243, Stop: 67043, Start Num: 5
Candidate Starts for NiebruSaylor_119:
(1, 67735), (2, 67621), (3, 67462), (4, 67381), (Start: 5 @67243 has 12 MA's), (Start: 6 @67240 has 10 MA's), (7, 67189), (8, 67129), (9, 67078), (10, 67054),

Gene: Ryadel_124 Start: 69092, Stop: 68895, Start Num: 6
Candidate Starts for Ryadel_124:
(1, 69587), (2, 69473), (3, 69314), (4, 69233), (Start: 5 @69095 has 12 MA's), (Start: 6 @69092 has 10 MA's), (7, 69041), (8, 68981), (9, 68930), (10, 68906),

Gene: SchoolBus_120 Start: 68129, Stop: 67929, Start Num: 5
Candidate Starts for SchoolBus_120:
(1, 68609), (2, 68495), (3, 68348), (4, 68267), (Start: 5 @68129 has 12 MA's), (Start: 6 @68126 has 10 MA's), (7, 68075), (8, 68015), (9, 67964), (10, 67940),

Gene: Schuy_115 Start: 67285, Stop: 67088, Start Num: 6
Candidate Starts for Schuy_115:
(1, 67780), (2, 67666), (3, 67507), (4, 67426), (Start: 5 @67288 has 12 MA's), (Start: 6 @67285 has 10 MA's), (7, 67234), (8, 67174), (9, 67123), (10, 67099),

Gene: Shida_118 Start: 67790, Stop: 67590, Start Num: 5
Candidate Starts for Shida_118:
(3, 68009), (4, 67928), (Start: 5 @67790 has 12 MA's), (Start: 6 @67787 has 10 MA's), (7, 67736), (8, 67676), (9, 67625), (10, 67601),

Gene: Smooch_117 Start: 67827, Stop: 67627, Start Num: 5
Candidate Starts for Smooch_117:
(Start: 5 @67827 has 12 MA's), (Start: 6 @67824 has 10 MA's), (7, 67773), (8, 67713), (9, 67662), (10, 67638),

Gene: TelAviv_115 Start: 67862, Stop: 67662, Start Num: 5
Candidate Starts for TelAviv_115:
(1, 68357), (2, 68243), (3, 68081), (4, 68000), (Start: 5 @67862 has 12 MA's), (Start: 6 @67859 has 10 MA's), (7, 67808), (8, 67748), (9, 67697), (10, 67673),

Gene: Vorrps_119 Start: 68127, Stop: 67930, Start Num: 6
Candidate Starts for Vorrps_119:
(3, 68349), (4, 68268), (Start: 5 @68130 has 12 MA's), (Start: 6 @68127 has 10 MA's), (7, 68076), (8, 68016), (9, 67965), (10, 67941),

Gene: Wildflower_111 Start: 65762, Stop: 65565, Start Num: 6
Candidate Starts for Wildflower_111:
(Start: 5 @65765 has 12 MA's), (Start: 6 @65762 has 10 MA's), (7, 65711), (8, 65651), (9, 65600), (10, 65576),

Gene: Winget_119 Start: 67976, Stop: 67779, Start Num: 6
Candidate Starts for Winget_119:
(1, 68471), (2, 68357), (3, 68198), (4, 68117), (Start: 5 @67979 has 12 MA's), (Start: 6 @67976 has 10 MA's), (7, 67925), (8, 67865), (9, 67814), (10, 67790),

Gene: YungJamal_115 Start: 66614, Stop: 66417, Start Num: 6
Candidate Starts for YungJamal_115:
(4, 66755), (Start: 5 @66617 has 12 MA's), (Start: 6 @66614 has 10 MA's), (7, 66563), (8, 66503), (9, 66452), (10, 66428),

Gene: Zakhe101_114 Start: 66064, Stop: 65867, Start Num: 6
Candidate Starts for Zakhe101_114:
(Start: 5 @66067 has 12 MA's), (Start: 6 @66064 has 10 MA's), (7, 66013), (8, 65953), (9, 65902), (10, 65878),