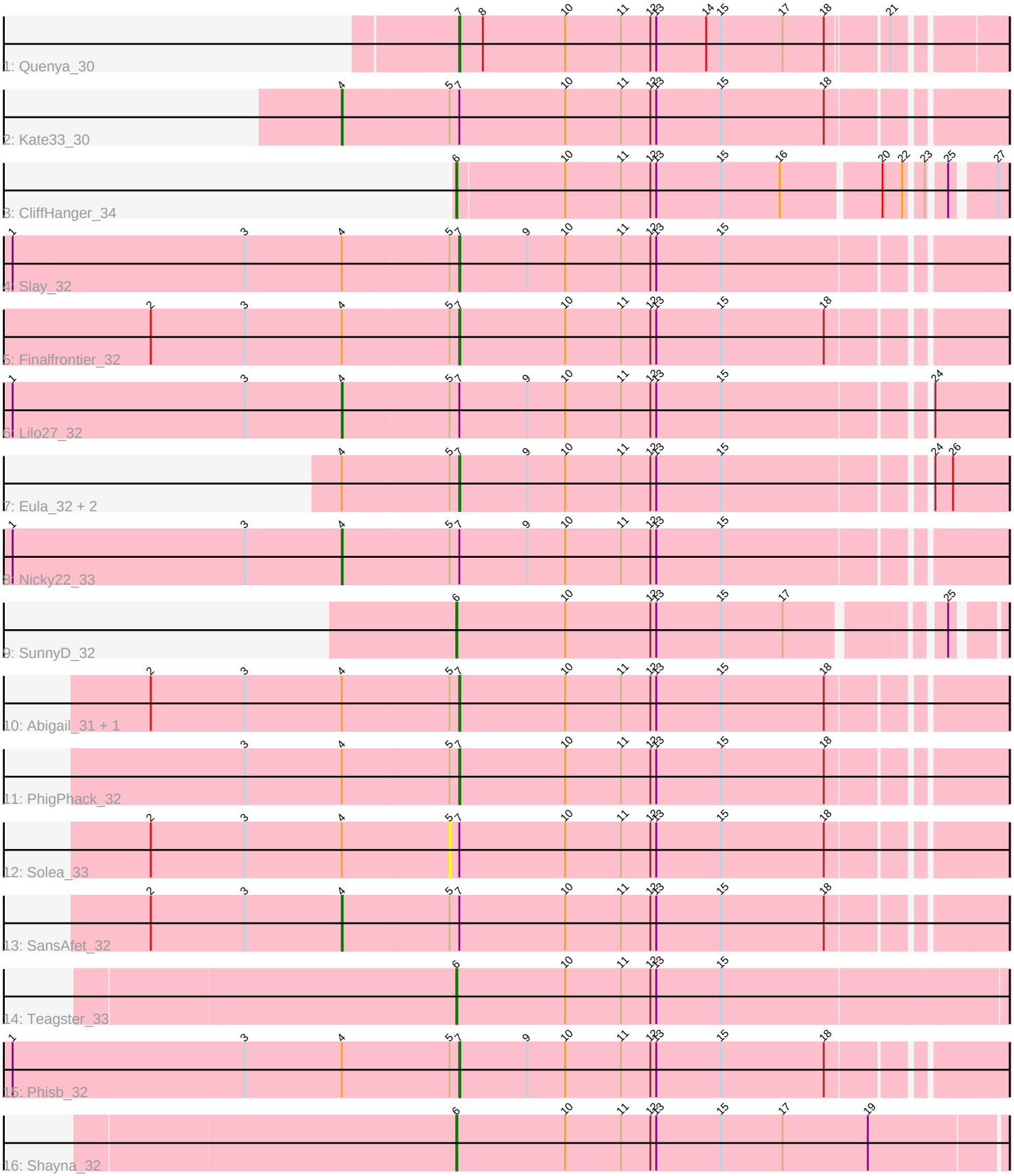
Pham 348070


1: Quenya_30
2: Kate33_30
3: CliffHanger_34
4: Slay_32
5: Finalfrontier_32
6: Lilo27_32
7: Eula_32 + 2
8: Nicky22_33
9: SunnyD_32
10: Abigail_31 + 1
11: PhigPhack_32
12: Solea_33
13: SansAfet_32
14: Teagster_33
15: Phisb_32
16: Shayna_32

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 348070 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348070 has 19 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Quenya_30
• Track 2 : Kate33_30
• Track 3 : CliffHanger_34
• Track 4 : Slay_32
• Track 5 : Finalfrontier_32
• Track 6 : Lilo27_32
• Track 7 : Eula_32, QMacho_33, Pecas_32
• Track 8 : Nicky22_33
• Track 9 : SunnyD_32
• Track 10 : Abigail_31, Johnathan_31
• Track 11 : PhigPhack_32
• Track 12 : Solea_33
• Track 13 : SansAfet_32
• Track 14 : Teagster_33
• Track 15 : Phisb_32
• Track 16 : Shayna_32

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

The start number called the most often in the published annotations is 7, it was called in 10 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_31, Eula_32, Finalfrontier_32, Johnathan_31, Pecas_32, PhigPhack_32, Phisb_32, QMacho_33, Quenya_30, Slay_32,

Genes that have the "Most Annotated" start but do not call it:
• Kate33_30, Lilo27_32, Nicky22_33, SansAfet_32, Solea_33,

Genes that do not have the "Most Annotated" start:
• CliffHanger_34, Shayna_32, SunnyD_32, Teagster_33,

Summary by start number:

Start 4:
• Found in 14 of 19 (73.7%) of genes in pham
• Manual Annotations of this start: 4 of 18
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Kate33_30 (EB), Lilo27_32 (EB), Nicky22_33 (EB), SansAfet_32 (EB),

Start 5:
• Found in 14 of 19 (73.7%) of genes in pham
• No Manual Annotations of this start.
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Solea_33 (EB),

Start 6:
• Found in 4 of 19 (21.1%) of genes in pham
• Manual Annotations of this start: 4 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CliffHanger_34 (EB), Shayna_32 (EB), SunnyD_32 (EB), Teagster_33 (EB),

Start 7:
• Found in 15 of 19 (78.9%) of genes in pham
• Manual Annotations of this start: 10 of 18
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Abigail_31 (EB), Eula_32 (EB), Finalfrontier_32 (EB), Johnathan_31 (EB), Pecas_32 (EB), PhigPhack_32 (EB), Phisb_32 (EB), QMacho_33 (EB), Quenya_30 (EB), Slay_32 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 4 was manually annotated 4 times for cluster EB.
•Start number 6 was manually annotated 4 times for cluster EB.
•Start number 7 was manually annotated 10 times for cluster EB.

Gene Information:

Gene: Abigail_31 Start: 22628, Stop: 23164, Start Num: 7
Candidate Starts for Abigail_31:
(2, 22316), (3, 22412), (Start: 4 @22511 has 4 MA's), (5, 22619), (Start: 7 @22628 has 10 MA's), (10, 22736), (11, 22793), (12, 22823), (13, 22829), (15, 22895), (18, 23000),

Gene: CliffHanger_34 Start: 22466, Stop: 22987, Start Num: 6
Candidate Starts for CliffHanger_34:
(Start: 6 @22466 has 4 MA's), (10, 22574), (11, 22631), (12, 22661), (13, 22667), (15, 22733), (16, 22793), (20, 22889), (22, 22907), (23, 22922), (25, 22937), (27, 22976),

Gene: Eula_32 Start: 23053, Stop: 23589, Start Num: 7
Candidate Starts for Eula_32:

(Start: 4 @22936 has 4 MA's), (5, 23044), (Start: 7 @23053 has 10 MA's), (9, 23122), (10, 23161), (11, 23218), (12, 23248), (13, 23254), (15, 23320), (24, 23515), (26, 23533),

Gene: Finalfrontier_32 Start: 23664, Stop: 24200, Start Num: 7
Candidate Starts for Finalfrontier_32:
(2, 23352), (3, 23448), (Start: 4 @23547 has 4 MA's), (5, 23655), (Start: 7 @23664 has 10 MA's), (10, 23772), (11, 23829), (12, 23859), (13, 23865), (15, 23931), (18, 24036),

Gene: Johnathan_31 Start: 22510, Stop: 23046, Start Num: 7
Candidate Starts for Johnathan_31:
(2, 22198), (3, 22294), (Start: 4 @22393 has 4 MA's), (5, 22501), (Start: 7 @22510 has 10 MA's), (10, 22618), (11, 22675), (12, 22705), (13, 22711), (15, 22777), (18, 22882),

Gene: Kate33_30 Start: 22654, Stop: 23307, Start Num: 4
Candidate Starts for Kate33_30:
(Start: 4 @22654 has 4 MA's), (5, 22762), (Start: 7 @22771 has 10 MA's), (10, 22879), (11, 22936), (12, 22966), (13, 22972), (15, 23038), (18, 23143),

Gene: Lilo27_32 Start: 22847, Stop: 23500, Start Num: 4
Candidate Starts for Lilo27_32:
(1, 22511), (3, 22748), (Start: 4 @22847 has 4 MA's), (5, 22955), (Start: 7 @22964 has 10 MA's), (9, 23033), (10, 23072), (11, 23129), (12, 23159), (13, 23165), (15, 23231), (24, 23426),

Gene: Nicky22_33 Start: 23401, Stop: 24054, Start Num: 4
Candidate Starts for Nicky22_33:
(1, 23065), (3, 23302), (Start: 4 @23401 has 4 MA's), (5, 23509), (Start: 7 @23518 has 10 MA's), (9, 23587), (10, 23626), (11, 23683), (12, 23713), (13, 23719), (15, 23785),

Gene: Pecas_32 Start: 23053, Stop: 23589, Start Num: 7
Candidate Starts for Pecas_32:
(Start: 4 @22936 has 4 MA's), (5, 23044), (Start: 7 @23053 has 10 MA's), (9, 23122), (10, 23161), (11, 23218), (12, 23248), (13, 23254), (15, 23320), (24, 23515), (26, 23533),

Gene: PhigPhack_32 Start: 22873, Stop: 23409, Start Num: 7
Candidate Starts for PhigPhack_32:
(3, 22657), (Start: 4 @22756 has 4 MA's), (5, 22864), (Start: 7 @22873 has 10 MA's), (10, 22981), (11, 23038), (12, 23068), (13, 23074), (15, 23140), (18, 23245),

Gene: Phisb_32 Start: 23109, Stop: 23645, Start Num: 7
Candidate Starts for Phisb_32:
(1, 22656), (3, 22893), (Start: 4 @22992 has 4 MA's), (5, 23100), (Start: 7 @23109 has 10 MA's), (9, 23178), (10, 23217), (11, 23274), (12, 23304), (13, 23310), (15, 23376), (18, 23481),

Gene: QMacho_33 Start: 23536, Stop: 24072, Start Num: 7
Candidate Starts for QMacho_33:
(Start: 4 @23419 has 4 MA's), (5, 23527), (Start: 7 @23536 has 10 MA's), (9, 23605), (10, 23644), (11, 23701), (12, 23731), (13, 23737), (15, 23803), (24, 23998), (26, 24016),

Gene: Quenya_30 Start: 23232, Stop: 23762, Start Num: 7
Candidate Starts for Quenya_30:
(Start: 7 @23232 has 10 MA's), (8, 23256), (10, 23340), (11, 23397), (12, 23427), (13, 23433), (14, 23484), (15, 23499), (17, 23562), (18, 23604), (21, 23661),

Gene: SansAfet_32 Start: 22861, Stop: 23514, Start Num: 4
Candidate Starts for SansAfet_32:
(2, 22666), (3, 22762), (Start: 4 @22861 has 4 MA's), (5, 22969), (Start: 7 @22978 has 10 MA's), (10, 23086), (11, 23143), (12, 23173), (13, 23179), (15, 23245), (18, 23350),

Gene: Shayna_32 Start: 22699, Stop: 23253, Start Num: 6
Candidate Starts for Shayna_32:
(Start: 6 @22699 has 4 MA's), (10, 22810), (11, 22867), (12, 22897), (13, 22903), (15, 22969), (17, 23032), (19, 23119),

Gene: Slay_32 Start: 23514, Stop: 24050, Start Num: 7
Candidate Starts for Slay_32:
(1, 23061), (3, 23298), (Start: 4 @23397 has 4 MA's), (5, 23505), (Start: 7 @23514 has 10 MA's), (9, 23583), (10, 23622), (11, 23679), (12, 23709), (13, 23715), (15, 23781),

Gene: Solea_33 Start: 22862, Stop: 23407, Start Num: 5
Candidate Starts for Solea_33:
(2, 22559), (3, 22655), (Start: 4 @22754 has 4 MA's), (5, 22862), (Start: 7 @22871 has 10 MA's), (10, 22979), (11, 23036), (12, 23066), (13, 23072), (15, 23138), (18, 23243),

Gene: SunnyD_32 Start: 22741, Stop: 23256, Start Num: 6
Candidate Starts for SunnyD_32:
(Start: 6 @22741 has 4 MA's), (10, 22852), (12, 22939), (13, 22945), (15, 23011), (17, 23074), (25, 23212),

Gene: Teagster_33 Start: 23532, Stop: 24086, Start Num: 6
Candidate Starts for Teagster_33:
(Start: 6 @23532 has 4 MA's), (10, 23643), (11, 23700), (12, 23730), (13, 23736), (15, 23802),