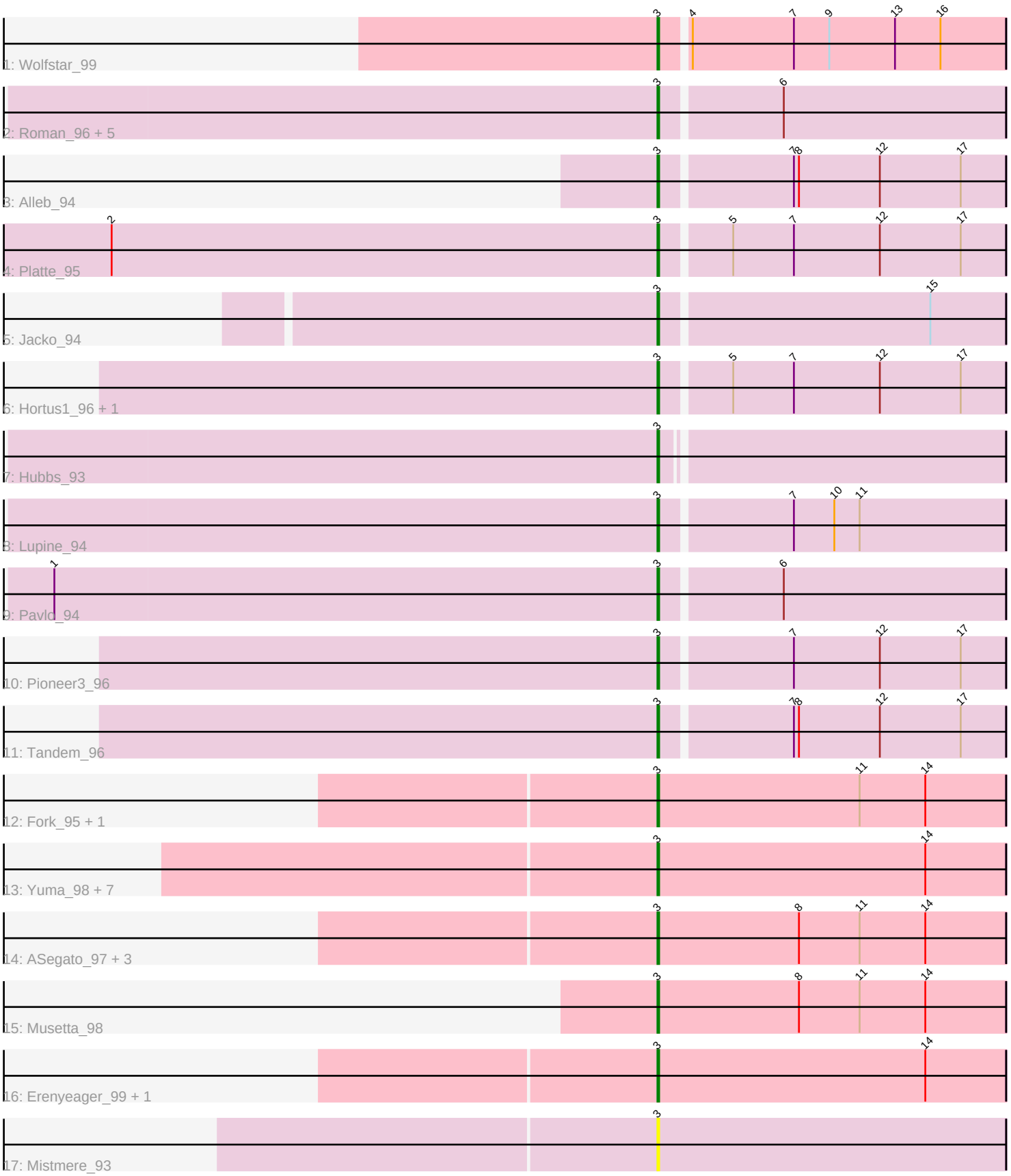
Pham 331052


1: Wolfstar_99
2: Roman_96 + 5
3: Alleb_94
4: Platte_95
5: Jacko_94
6: Hortus1_96 + 1
7: Hubbs_93
8: Lupine_94
9: Pavlo_94
10: Pioneer3_96
11: Tandem_96
12: Fork_95 + 1
13: Yuma_98 + 7
14: ASegato_97 + 3
15: Musetta_98
16: Erenyeager_99 + 1
17: Mistmere_93

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 331052 Report

This analysis was run 09/05/26 on database version 662.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 331052 has 35 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_99
• Track 2 : Roman_96, DejaVu_95, PhillyPhilly_92, Uterion_98, Solimine_96, Saradis_96
• Track 3 : Alleb_94
• Track 4 : Platte_95
• Track 5 : Jacko_94
• Track 6 : Hortus1_96, OlinDD_96
• Track 7 : Hubbs_93
• Track 8 : Lupine_94
• Track 9 : Pavlo_94
• Track 10 : Pioneer3_96
• Track 11 : Tandem_96
• Track 12 : Fork_95, Issa7_98
• Track 13 : Yuma_98, RunningBrook_101, Shroomer_104, Casablancas_100, Lyell_99, Necrophoxinus_101, DustyDino_103, Deschain_100
• Track 14 : ASegato_97, SteakFry_102, HollowPurple_100, Welcome_101
• Track 15 : Musetta_98
• Track 16 : Erenyeager_99, StevieWelch_99
• Track 17 : Mistmere_93

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

The start number called the most often in the published annotations is 3, it was called in 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_97, Alleb_94, Casablancas_100, DejaVu_95, Deschain_100, DustyDino_103, Erenyeager_99, Fork_95, HollowPurple_100, Hortus1_96, Hubbs_93, Issa7_98, Jacko_94, Lupine_94, Lyell_99, Mistmere_93, Musetta_98, Necrophoxinus_101, OlinDD_96, Pavlo_94, PhillyPhilly_92, Pioneer3_96, Platte_95,

Roman_96, RunningBrook_101, Saradis_96, Shroomer_104, Solimine_96, SteakFry_102, StevieWelch_99, Tandem_96, Uterion_98, Welcome_101, Wolfstar_99, Yuma_98,

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 3:
• Found in 35 of 35 (100.0%) of genes in pham
• Manual Annotations of this start: 29 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_97 (ED2), Alleb_94 (ED1), Casablancas_100 (ED2), DejaVu_95 (ED1), Deschain_100 (ED2), DustyDino_103 (ED2), Erenyeager_99 (ED2), Fork_95 (ED2), HollowPurple_100 (ED2), Hortus1_96 (ED1), Hubbs_93 (ED1), Issa7_98 (ED2), Jacko_94 (ED1), Lupine_94 (ED1), Lyell_99 (ED2), Mistmere_93 (ED3), Musetta_98 (ED2), Necrophoxinus_101 (ED2), OlinDD_96 (ED1), Pavlo_94 (ED1), PhillyPhilly_92 (ED1), Pioneer3_96 (ED1), Platte_95 (ED1), Roman_96 (ED1), RunningBrook_101 (ED2), Saradis_96 (ED1), Shroomer_104 (ED2), Solimine_96 (ED1), SteakFry_102 (ED2), StevieWelch_99 (ED2), Tandem_96 (ED1), Uterion_98 (ED1), Welcome_101 (ED2), Wolfstar_99 (ED), Yuma_98 (ED2),

Summary by clusters:

There are 4 clusters represented in this pham: ED2, ED3, ED1, ED,

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

Info for manual annotations of cluster ED1:
•Start number 3 was manually annotated 13 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 3 was manually annotated 15 times for cluster ED2.

Gene Information:

Gene: ASegato_97 Start: 52837, Stop: 52631, Start Num: 3
Candidate Starts for ASegato_97:
(Start: 3 @52837 has 29 MA's), (8, 52753), (11, 52717), (14, 52678),

Gene: Alleb_94 Start: 53758, Stop: 53558, Start Num: 3
Candidate Starts for Alleb_94:
(Start: 3 @53758 has 29 MA's), (7, 53683), (8, 53680), (12, 53632), (17, 53584),

Gene: Casablancas_100 Start: 52756, Stop: 52550, Start Num: 3
Candidate Starts for Casablancas_100:
(Start: 3 @52756 has 29 MA's), (14, 52597),

Gene: DejaVu_95 Start: 52986, Stop: 52786, Start Num: 3
Candidate Starts for DejaVu_95:
(Start: 3 @52986 has 29 MA's), (6, 52917),

Gene: Deschain_100 Start: 53420, Stop: 53214, Start Num: 3
Candidate Starts for Deschain_100:
(Start: 3 @53420 has 29 MA's), (14, 53261),

Gene: DustyDino_103 Start: 53979, Stop: 53773, Start Num: 3
Candidate Starts for DustyDino_103:
(Start: 3 @53979 has 29 MA's), (14, 53820),

Gene: Erenyeager_99 Start: 52762, Stop: 52556, Start Num: 3
Candidate Starts for Erenyeager_99:
(Start: 3 @52762 has 29 MA's), (14, 52603),

Gene: Fork_95 Start: 52715, Stop: 52509, Start Num: 3
Candidate Starts for Fork_95:
(Start: 3 @52715 has 29 MA's), (11, 52595), (14, 52556),

Gene: HollowPurple_100 Start: 53376, Stop: 53170, Start Num: 3
Candidate Starts for HollowPurple_100:
(Start: 3 @53376 has 29 MA's), (8, 53292), (11, 53256), (14, 53217),

Gene: Hortus1_96 Start: 54333, Stop: 54133, Start Num: 3
Candidate Starts for Hortus1_96:
(Start: 3 @54333 has 29 MA's), (5, 54294), (7, 54258), (12, 54207), (17, 54159),

Gene: Hubbs_93 Start: 53032, Stop: 52835, Start Num: 3
Candidate Starts for Hubbs_93:
(Start: 3 @53032 has 29 MA's),

Gene: Issa7_98 Start: 52730, Stop: 52524, Start Num: 3
Candidate Starts for Issa7_98:
(Start: 3 @52730 has 29 MA's), (11, 52610), (14, 52571),

Gene: Jacko_94 Start: 52275, Stop: 52075, Start Num: 3
Candidate Starts for Jacko_94:
(Start: 3 @52275 has 29 MA's), (15, 52119),

Gene: Lupine_94 Start: 53045, Stop: 52845, Start Num: 3
Candidate Starts for Lupine_94:
(Start: 3 @53045 has 29 MA's), (7, 52970), (10, 52946), (11, 52931),

Gene: Lyell_99 Start: 52926, Stop: 52720, Start Num: 3
Candidate Starts for Lyell_99:
(Start: 3 @52926 has 29 MA's), (14, 52767),

Gene: Mistmere_93 Start: 51454, Stop: 51248, Start Num: 3

Candidate Starts for Mistmere_93:
(Start: 3 @51454 has 29 MA's),

Gene: Musetta_98 Start: 53268, Stop: 53062, Start Num: 3
Candidate Starts for Musetta_98:
(Start: 3 @53268 has 29 MA's), (8, 53184), (11, 53148), (14, 53109),

Gene: Necrophoxinus_101 Start: 53615, Stop: 53409, Start Num: 3
Candidate Starts for Necrophoxinus_101:
(Start: 3 @53615 has 29 MA's), (14, 53456),

Gene: OlinDD_96 Start: 54338, Stop: 54138, Start Num: 3
Candidate Starts for OlinDD_96:
(Start: 3 @54338 has 29 MA's), (5, 54299), (7, 54263), (12, 54212), (17, 54164),

Gene: Pavlo_94 Start: 53130, Stop: 52930, Start Num: 3
Candidate Starts for Pavlo_94:
(1, 53487), (Start: 3 @53130 has 29 MA's), (6, 53061),

Gene: PhillyPhilly_92 Start: 52595, Stop: 52395, Start Num: 3
Candidate Starts for PhillyPhilly_92:
(Start: 3 @52595 has 29 MA's), (6, 52526),

Gene: Pioneer3_96 Start: 54136, Stop: 53936, Start Num: 3
Candidate Starts for Pioneer3_96:
(Start: 3 @54136 has 29 MA's), (7, 54061), (12, 54010), (17, 53962),

Gene: Platte_95 Start: 53904, Stop: 53704, Start Num: 3
Candidate Starts for Platte_95:
(2, 54228), (Start: 3 @53904 has 29 MA's), (5, 53865), (7, 53829), (12, 53778), (17, 53730),

Gene: Roman_96 Start: 53646, Stop: 53446, Start Num: 3
Candidate Starts for Roman_96:
(Start: 3 @53646 has 29 MA's), (6, 53577),

Gene: RunningBrook_101 Start: 53979, Stop: 53773, Start Num: 3
Candidate Starts for RunningBrook_101:
(Start: 3 @53979 has 29 MA's), (14, 53820),

Gene: Saradis_96 Start: 52607, Stop: 52407, Start Num: 3
Candidate Starts for Saradis_96:
(Start: 3 @52607 has 29 MA's), (6, 52538),

Gene: Shroomer_104 Start: 53216, Stop: 53010, Start Num: 3
Candidate Starts for Shroomer_104:
(Start: 3 @53216 has 29 MA's), (14, 53057),

Gene: Solimine_96 Start: 53503, Stop: 53303, Start Num: 3
Candidate Starts for Solimine_96:
(Start: 3 @53503 has 29 MA's), (6, 53434),

Gene: SteakFry_102 Start: 53376, Stop: 53170, Start Num: 3
Candidate Starts for SteakFry_102:

(Start: 3 @53376 has 29 MA's), (8, 53292), (11, 53256), (14, 53217),

Gene: StevieWelch_99 Start: 52899, Stop: 52693, Start Num: 3
Candidate Starts for StevieWelch_99:
(Start: 3 @52899 has 29 MA's), (14, 52740),

Gene: Tandem_96 Start: 54216, Stop: 54016, Start Num: 3
Candidate Starts for Tandem_96:
(Start: 3 @54216 has 29 MA's), (7, 54141), (8, 54138), (12, 54090), (17, 54042),

Gene: Uterion_98 Start: 53019, Stop: 52819, Start Num: 3
Candidate Starts for Uterion_98:
(Start: 3 @53019 has 29 MA's), (6, 52950),

Gene: Welcome_101 Start: 53530, Stop: 53324, Start Num: 3
Candidate Starts for Welcome_101:
(Start: 3 @53530 has 29 MA's), (8, 53446), (11, 53410), (14, 53371),

Gene: Wolfstar_99 Start: 55037, Stop: 54837, Start Num: 3
Candidate Starts for Wolfstar_99:
(Start: 3 @55037 has 29 MA's), (4, 55022), (7, 54962), (9, 54941), (13, 54902), (16, 54875),

Gene: Yuma_98 Start: 52940, Stop: 52734, Start Num: 3
Candidate Starts for Yuma_98:
(Start: 3 @52940 has 29 MA's), (14, 52781),