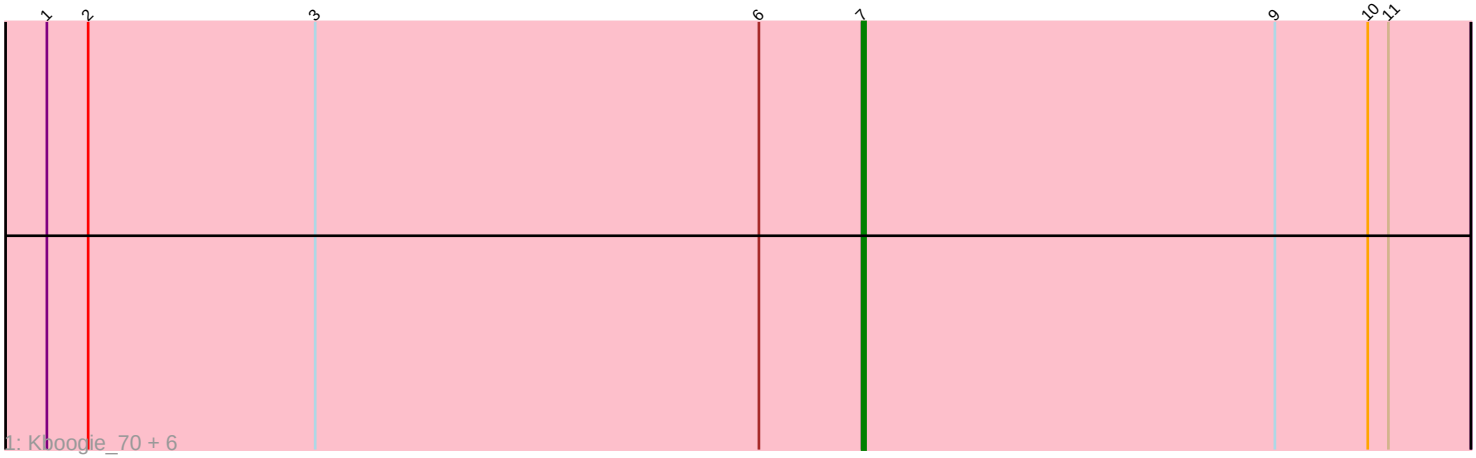
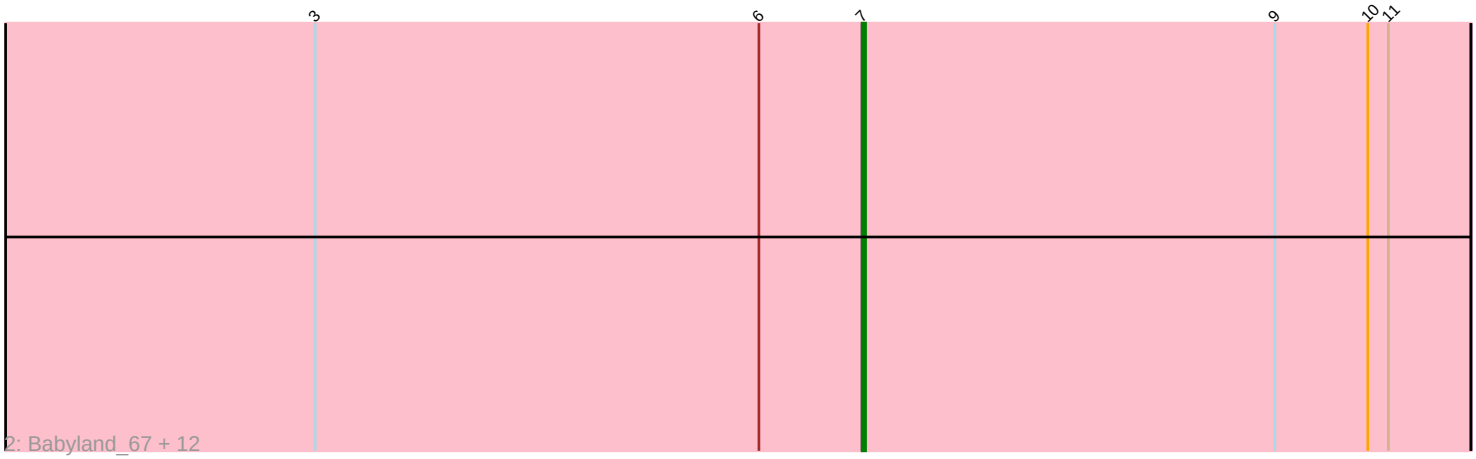
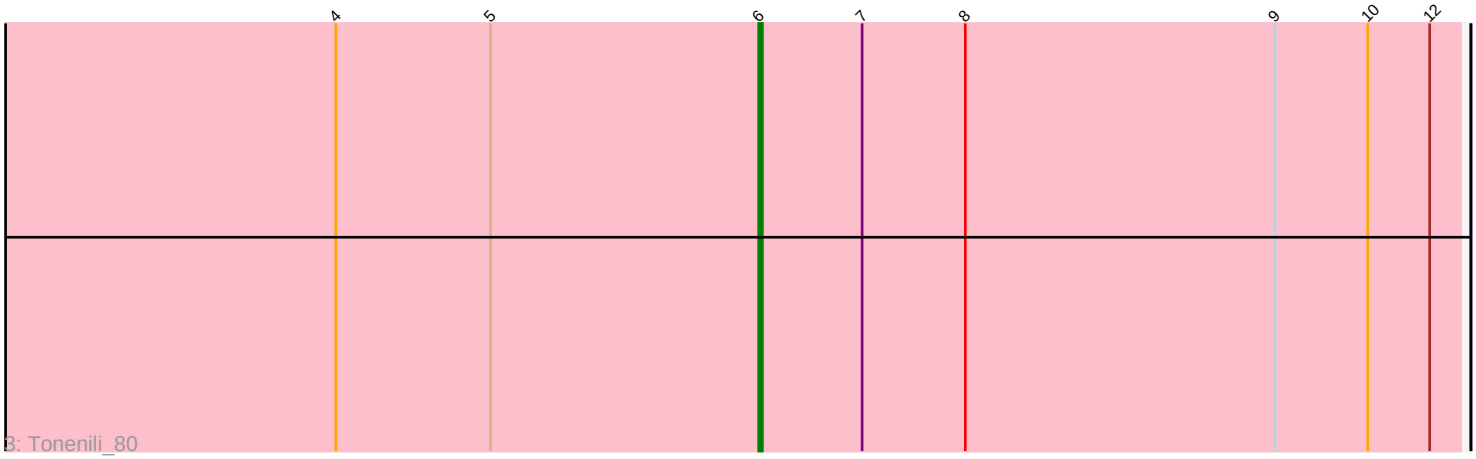
Pham 342565


1
2
3
6
7
9
10
11
1: Kboogie_70 + 6


3
6
7
9
10
11
2: Babyland_67 + 12


4
5
6
7
8
9
10
12
3: Tonenili_80

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 342565 Report

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

Pham number 342565 has 21 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kboogie_70, Cali_65, Ava3_70, Dandelion_75, ET08_59, Pier_71, Nappy_70
• Track 2 : Babyland_67, Pio_73, Wally_67, Drazdys_68, Bxz1_68, Audrick_70, Spud_68, Catera_67, ArcherS7_68, Bangla1971_69, Pleione_71, Breeniome_70, Shrimp_69
• Track 3 : Tonenili_80

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 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArcherS7_68, Audrick_70, Ava3_70, Babyland_67, Bangla1971_69, Breeniome_70, Bxz1_68, Cali_65, Catera_67, Dandelion_75, Drazdys_68, ET08_59, Kboogie_70, Nappy_70, Pier_71, Pio_73, Pleione_71, Shrimp_69, Spud_68, Wally_67,

Genes that have the "Most Annotated" start but do not call it:
• Tonenili_80,

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

Summary by start number:

Start 6:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 4.8% of time when present
• Phage (with cluster) where this start called: Tonenili_80 (C1),

Start 7:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 21

• Called 95.2% of time when present
• Phage (with cluster) where this start called: ArcherS7_68 (C1), Audrick_70 (C1), Ava3_70 (C1), Babyland_67 (C1), Bangla1971_69 (C1), Breeniome_70 (C1), Bxz1_68 (C1), Cali_65 (C1), Catera_67 (C1), Dandelion_75 (C1), Drazdys_68 (C1), ET08_59 (C1), Kboogie_70 (C1), Nappy_70 (C1), Pier_71 (C1), Pio_73 (C1), Pleione_71 (C1), Shrimp_69 (C1), Spud_68 (C1), Wally_67 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 6 was manually annotated 1 time for cluster C1.
•Start number 7 was manually annotated 20 times for cluster C1.

Gene Information:

Gene: ArcherS7_68 Start: 21989, Stop: 22165, Start Num: 7
Candidate Starts for ArcherS7_68:
(3, 21830), (Start: 6 @21959 has 1 MA's), (Start: 7 @21989 has 20 MA's), (9, 22109), (10, 22136), (11, 22142),

Gene: Audrick_70 Start: 21605, Stop: 21781, Start Num: 7
Candidate Starts for Audrick_70:
(3, 21446), (Start: 6 @21575 has 1 MA's), (Start: 7 @21605 has 20 MA's), (9, 21725), (10, 21752), (11, 21758),

Gene: Ava3_70 Start: 22738, Stop: 22914, Start Num: 7
Candidate Starts for Ava3_70:
(1, 22501), (2, 22513), (3, 22579), (Start: 6 @22708 has 1 MA's), (Start: 7 @22738 has 20 MA's), (9, 22858), (10, 22885), (11, 22891),

Gene: Babyland_67 Start: 21064, Stop: 21240, Start Num: 7
Candidate Starts for Babyland_67:
(3, 20905), (Start: 6 @21034 has 1 MA's), (Start: 7 @21064 has 20 MA's), (9, 21184), (10, 21211), (11, 21217),

Gene: Bangla1971_69 Start: 22119, Stop: 22295, Start Num: 7
Candidate Starts for Bangla1971_69:
(3, 21960), (Start: 6 @22089 has 1 MA's), (Start: 7 @22119 has 20 MA's), (9, 22239), (10, 22266), (11, 22272),

Gene: Breeniome_70 Start: 21868, Stop: 22044, Start Num: 7
Candidate Starts for Breeniome_70:
(3, 21709), (Start: 6 @21838 has 1 MA's), (Start: 7 @21868 has 20 MA's), (9, 21988), (10, 22015), (11, 22021),

Gene: Bxz1_68 Start: 23445, Stop: 23621, Start Num: 7
Candidate Starts for Bxz1_68:
(3, 23286), (Start: 6 @23415 has 1 MA's), (Start: 7 @23445 has 20 MA's), (9, 23565), (10, 23592), (11, 23598),

Gene: Cali_65 Start: 23267, Stop: 23443, Start Num: 7
Candidate Starts for Cali_65:
(1, 23030), (2, 23042), (3, 23108), (Start: 6 @23237 has 1 MA's), (Start: 7 @23267 has 20 MA's), (9, 23387), (10, 23414), (11, 23420),

Gene: Catera_67 Start: 21560, Stop: 21736, Start Num: 7
Candidate Starts for Catera_67:
(3, 21401), (Start: 6 @21530 has 1 MA's), (Start: 7 @21560 has 20 MA's), (9, 21680), (10, 21707), (11, 21713),

Gene: Dandelion_75 Start: 24760, Stop: 24936, Start Num: 7
Candidate Starts for Dandelion_75:
(1, 24523), (2, 24535), (3, 24601), (Start: 6 @24730 has 1 MA's), (Start: 7 @24760 has 20 MA's), (9, 24880), (10, 24907), (11, 24913),

Gene: Drazdys_68 Start: 22463, Stop: 22639, Start Num: 7
Candidate Starts for Drazdys_68:
(3, 22304), (Start: 6 @22433 has 1 MA's), (Start: 7 @22463 has 20 MA's), (9, 22583), (10, 22610), (11, 22616),

Gene: ET08_59 Start: 21133, Stop: 21309, Start Num: 7
Candidate Starts for ET08_59:
(1, 20896), (2, 20908), (3, 20974), (Start: 6 @21103 has 1 MA's), (Start: 7 @21133 has 20 MA's), (9, 21253), (10, 21280), (11, 21286),

Gene: Kboogie_70 Start: 21667, Stop: 21843, Start Num: 7
Candidate Starts for Kboogie_70:
(1, 21430), (2, 21442), (3, 21508), (Start: 6 @21637 has 1 MA's), (Start: 7 @21667 has 20 MA's), (9, 21787), (10, 21814), (11, 21820),

Gene: Nappy_70 Start: 22982, Stop: 23158, Start Num: 7
Candidate Starts for Nappy_70:
(1, 22745), (2, 22757), (3, 22823), (Start: 6 @22952 has 1 MA's), (Start: 7 @22982 has 20 MA's), (9, 23102), (10, 23129), (11, 23135),

Gene: Pier_71 Start: 22438, Stop: 22614, Start Num: 7
Candidate Starts for Pier_71:
(1, 22201), (2, 22213), (3, 22279), (Start: 6 @22408 has 1 MA's), (Start: 7 @22438 has 20 MA's), (9, 22558), (10, 22585), (11, 22591),

Gene: Pio_73 Start: 23834, Stop: 24010, Start Num: 7
Candidate Starts for Pio_73:
(3, 23675), (Start: 6 @23804 has 1 MA's), (Start: 7 @23834 has 20 MA's), (9, 23954), (10, 23981), (11, 23987),

Gene: Pleione_71 Start: 22679, Stop: 22855, Start Num: 7
Candidate Starts for Pleione_71:
(3, 22520), (Start: 6 @22649 has 1 MA's), (Start: 7 @22679 has 20 MA's), (9, 22799), (10, 22826), (11, 22832),

Gene: Shrimp_69 Start: 22684, Stop: 22860, Start Num: 7
Candidate Starts for Shrimp_69:

(3, 22525), (Start: 6 @22654 has 1 MA's), (Start: 7 @22684 has 20 MA's), (9, 22804), (10, 22831), (11, 22837),

Gene: Spud_68 Start: 22995, Stop: 23171, Start Num: 7
Candidate Starts for Spud_68:
(3, 22836), (Start: 6 @22965 has 1 MA's), (Start: 7 @22995 has 20 MA's), (9, 23115), (10, 23142), (11, 23148),

Gene: Tonenili_80 Start: 25468, Stop: 25671, Start Num: 6
Candidate Starts for Tonenili_80:
(4, 25345), (5, 25390), (Start: 6 @25468 has 1 MA's), (Start: 7 @25498 has 20 MA's), (8, 25528), (9, 25618), (10, 25645), (12, 25663),

Gene: Wally_67 Start: 21235, Stop: 21411, Start Num: 7
Candidate Starts for Wally_67:
(3, 21076), (Start: 6 @21205 has 1 MA's), (Start: 7 @21235 has 20 MA's), (9, 21355), (10, 21382), (11, 21388),