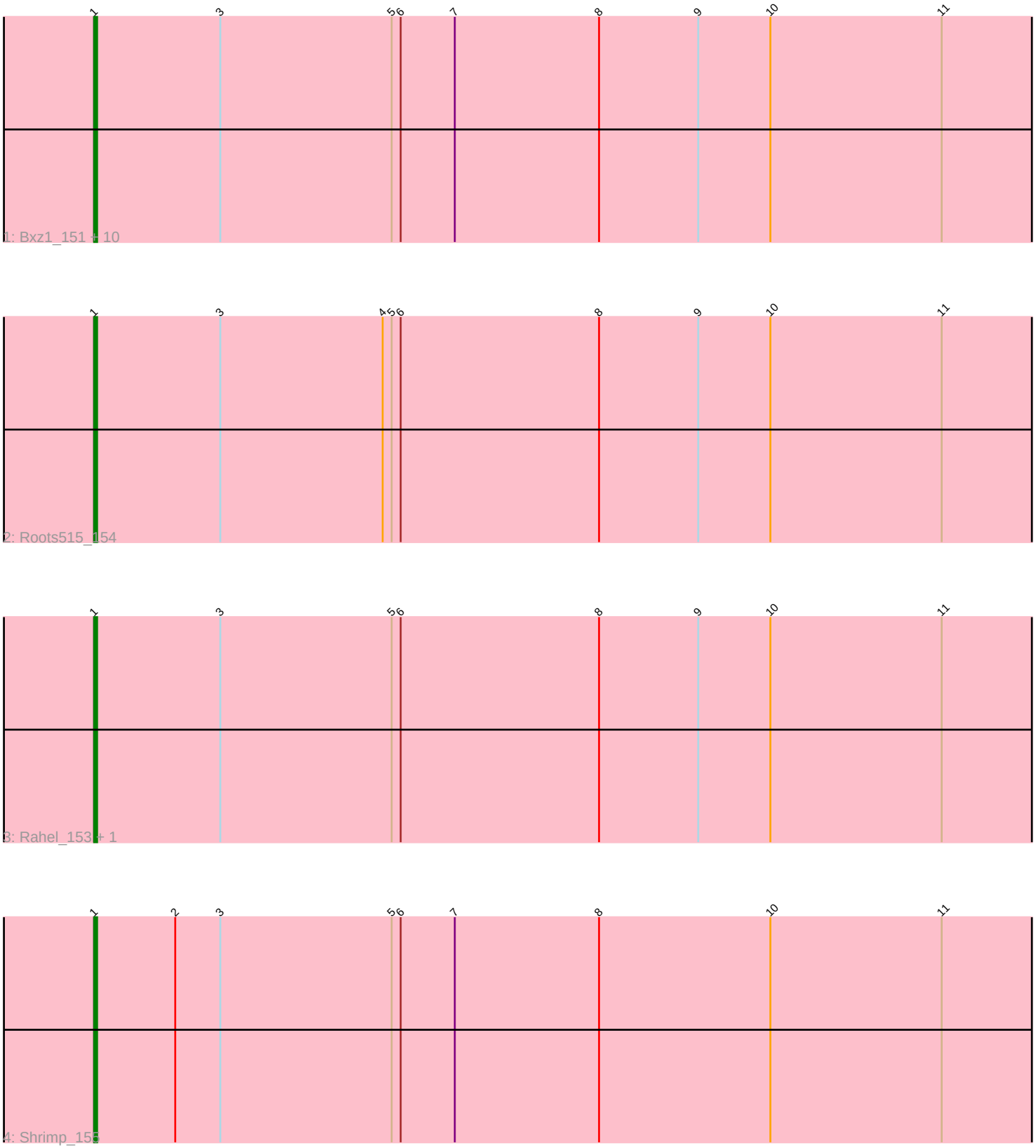
Pham 86971


1
3
5
6
7
8
9
10
11
1: Bxz1_151 + 10
1
3
4
5
6
8
9
10
11
2: Roots515_154
1
3
5
6
8
9
10
11
3: Rahel_153 + 1
1
2
3
5
6
7
8
10
11
4: Shrimp_156

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 86971 Report

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

Pham number 86971 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bxz1_151, Burrough_155, Drazdys_152, Breeniome_154, DTDevon_155, Tortoise16_151, Erdmann_154, ArcherS7_153, Gabriel_154, Littleton_154, Pio_159
• Track 2 : Roots515_154
• Track 3 : Rahel_153, Bangla1971_155
• Track 4 : Shrimp_155

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArcherS7_153, Bangla1971_155, Breeniome_154, Burrough_155, Bxz1_151, DTDevon_155, Drazdys_152, Erdmann_154, Gabriel_154, Littleton_154, Pio_159, Rahel_153, Roots515_154, Shrimp_155, Tortoise16_151,

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 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArcherS7_153 (C1), Bangla1971_155 (C1), Breeniome_154 (C1), Burrough_155 (C1), Bxz1_151 (C1), DTDevon_155 (C1), Drazdys_152 (C1), Erdmann_154 (C1), Gabriel_154 (C1), Littleton_154 (C1), Pio_159 (C1), Rahel_153 (C1), Roots515_154 (C1), Shrimp_155 (C1), Tortoise16_151 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 15 times for cluster C1.

Gene Information:

Gene: ArcherS7_153 Start: 90794, Stop: 91159, Start Num: 1
Candidate Starts for ArcherS7_153:
(Start: 1 @90794 has 15 MA's), (3, 90836), (5, 90893), (6, 90896), (7, 90914), (8, 90962), (9, 90995), (10, 91019), (11, 91076),

Gene: Bangla1971_155 Start: 90921, Stop: 91286, Start Num: 1
Candidate Starts for Bangla1971_155:
(Start: 1 @90921 has 15 MA's), (3, 90963), (5, 91020), (6, 91023), (8, 91089), (9, 91122), (10, 91146), (11, 91203),

Gene: Breeniome_154 Start: 90227, Stop: 90592, Start Num: 1
Candidate Starts for Breeniome_154:
(Start: 1 @90227 has 15 MA's), (3, 90269), (5, 90326), (6, 90329), (7, 90347), (8, 90395), (9, 90428), (10, 90452), (11, 90509),

Gene: Burrough_155 Start: 92378, Stop: 92743, Start Num: 1
Candidate Starts for Burrough_155:
(Start: 1 @92378 has 15 MA's), (3, 92420), (5, 92477), (6, 92480), (7, 92498), (8, 92546), (9, 92579), (10, 92603), (11, 92660),

Gene: Bxz1_151 Start: 93577, Stop: 93942, Start Num: 1
Candidate Starts for Bxz1_151:
(Start: 1 @93577 has 15 MA's), (3, 93619), (5, 93676), (6, 93679), (7, 93697), (8, 93745), (9, 93778), (10, 93802), (11, 93859),

Gene: DTDevon_155 Start: 92709, Stop: 93074, Start Num: 1
Candidate Starts for DTDevon_155:
(Start: 1 @92709 has 15 MA's), (3, 92751), (5, 92808), (6, 92811), (7, 92829), (8, 92877), (9, 92910), (10, 92934), (11, 92991),

Gene: Drazdys_152 Start: 90630, Stop: 90995, Start Num: 1
Candidate Starts for Drazdys_152:
(Start: 1 @90630 has 15 MA's), (3, 90672), (5, 90729), (6, 90732), (7, 90750), (8, 90798), (9, 90831), (10, 90855), (11, 90912),

Gene: Erdmann_154 Start: 91948, Stop: 92313, Start Num: 1
Candidate Starts for Erdmann_154:
(Start: 1 @91948 has 15 MA's), (3, 91990), (5, 92047), (6, 92050), (7, 92068), (8, 92116), (9, 92149), (10, 92173), (11, 92230),

Gene: Gabriel_154 Start: 90202, Stop: 90567, Start Num: 1
Candidate Starts for Gabriel_154:

(Start: 1 @90202 has 15 MA's), (3, 90244), (5, 90301), (6, 90304), (7, 90322), (8, 90370), (9, 90403), (10, 90427), (11, 90484),

Gene: Littleton_154 Start: 91284, Stop: 91649, Start Num: 1
Candidate Starts for Littleton_154:
(Start: 1 @91284 has 15 MA's), (3, 91326), (5, 91383), (6, 91386), (7, 91404), (8, 91452), (9, 91485), (10, 91509), (11, 91566),

Gene: Pio_159 Start: 94233, Stop: 94598, Start Num: 1
Candidate Starts for Pio_159:
(Start: 1 @94233 has 15 MA's), (3, 94275), (5, 94332), (6, 94335), (7, 94353), (8, 94401), (9, 94434), (10, 94458), (11, 94515),

Gene: Rahel_153 Start: 90830, Stop: 91195, Start Num: 1
Candidate Starts for Rahel_153:
(Start: 1 @90830 has 15 MA's), (3, 90872), (5, 90929), (6, 90932), (8, 90998), (9, 91031), (10, 91055), (11, 91112),

Gene: Roots515_154 Start: 92610, Stop: 92975, Start Num: 1
Candidate Starts for Roots515_154:
(Start: 1 @92610 has 15 MA's), (3, 92652), (4, 92706), (5, 92709), (6, 92712), (8, 92778), (9, 92811), (10, 92835), (11, 92892),

Gene: Shrimp_155 Start: 91948, Stop: 92313, Start Num: 1
Candidate Starts for Shrimp_155:
(Start: 1 @91948 has 15 MA's), (2, 91975), (3, 91990), (5, 92047), (6, 92050), (7, 92068), (8, 92116), (10, 92173), (11, 92230),

Gene: Tortoise16_151 Start: 91057, Stop: 91422, Start Num: 1
Candidate Starts for Tortoise16_151:
(Start: 1 @91057 has 15 MA's), (3, 91099), (5, 91156), (6, 91159), (7, 91177), (8, 91225), (9, 91258), (10, 91282), (11, 91339),