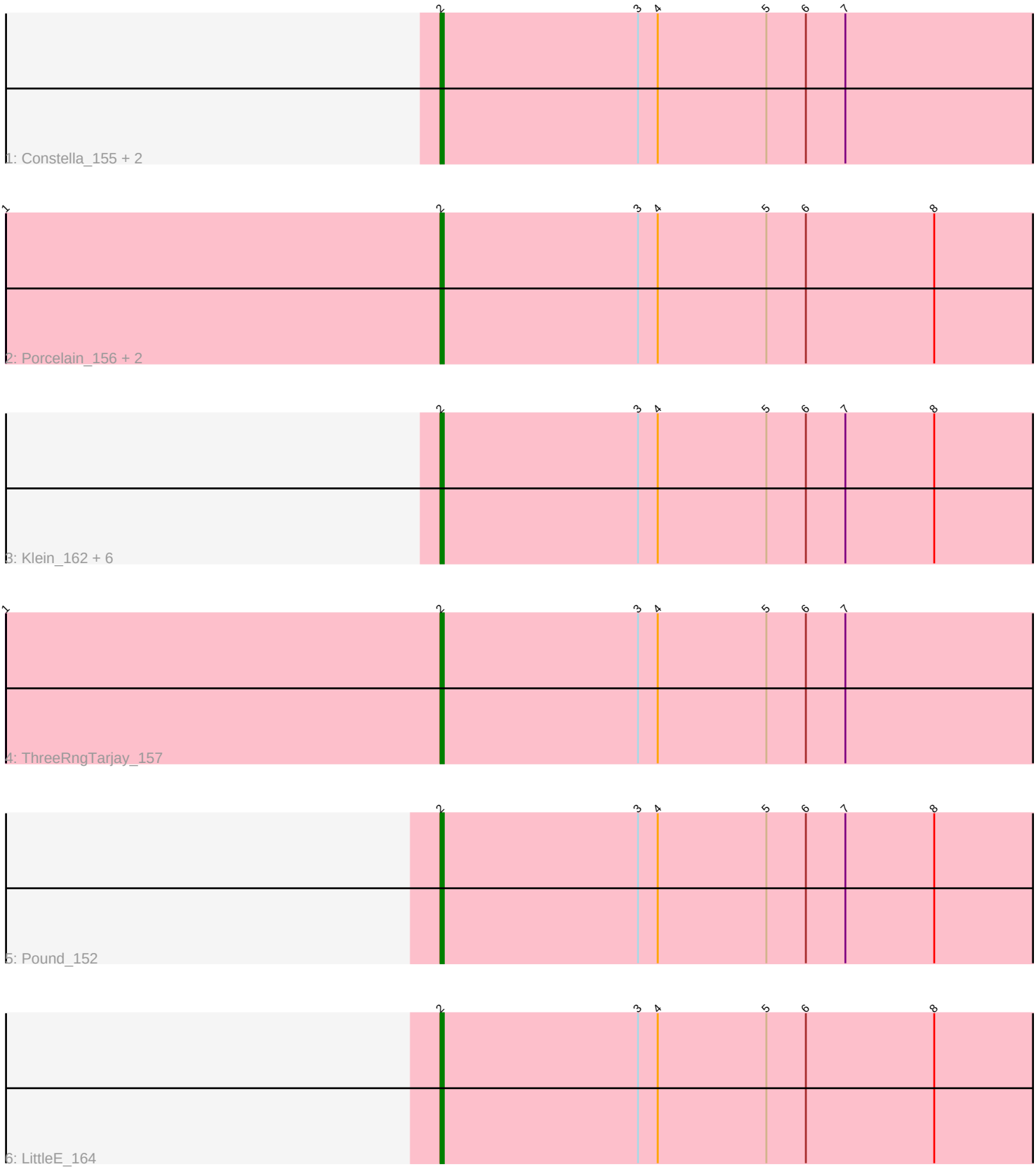
Pham 94099


2
3
4
5
6
7
1: Constella_155 + 2
1
2
3
4
5
6
8
2: Porcelain_156 + 2
2
3
4
5
6
7
8
3: Klein_162 + 6
1
2
3
4
5
6
7
4: ThreeRngTarjay_157
2
3
4
5
6
7
8
5: Pound_152
2
3
4
5
6
8
6: LittleE_164

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 94099 Report

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

Pham number 94099 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Constella_155, Bobby_151, Omega_169
• Track 2 : Porcelain_156, MiaZeal_159, Lucky2013_152
• Track 3 : Klein_162, EricMillard_157, BAKA_164, Bagrid_167, Duke13_161, Kalah2_155, Optimus_155
• Track 4 : ThreeRngTarjay_157
• Track 5 : Pound_152
• Track 6 : LittleE_164

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

The start number called the most often in the published annotations is 2, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_164, Bagrid_167, Bobby_151, Constella_155, Duke13_161, EricMillard_157, Kalah2_155, Klein_162, LittleE_164, Lucky2013_152, MiaZeal_159, Omega_169, Optimus_155, Porcelain_156, Pound_152, ThreeRngTarjay_157,

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 2:
• Found in 16 of 16 (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: BAKA_164 (J), Bagrid_167 (J), Bobby_151 (J), Constella_155 (J), Duke13_161 (J), EricMillard_157 (J), Kalah2_155 (J), Klein_162 (J), LittleE_164 (J), Lucky2013_152 (J), MiaZeal_159 (J), Omega_169 (J), Optimus_155 (J), Porcelain_156 (J), Pound_152 (J), ThreeRngTarjay_157 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 15 times for cluster J.

Gene Information:

Gene: BAKA_164 Start: 86383, Stop: 86574, Start Num: 2
Candidate Starts for BAKA_164:
(Start: 2 @86383 has 15 MA's), (3, 86443), (4, 86449), (5, 86482), (6, 86494), (7, 86506), (8, 86533),

Gene: Bagrid_167 Start: 87612, Stop: 87803, Start Num: 2
Candidate Starts for Bagrid_167:
(Start: 2 @87612 has 15 MA's), (3, 87672), (4, 87678), (5, 87711), (6, 87723), (7, 87735), (8, 87762),

Gene: Bobby_151 Start: 87353, Stop: 87544, Start Num: 2
Candidate Starts for Bobby_151:
(Start: 2 @87353 has 15 MA's), (3, 87413), (4, 87419), (5, 87452), (6, 87464), (7, 87476),

Gene: Constella_155 Start: 84613, Stop: 84804, Start Num: 2
Candidate Starts for Constella_155:
(Start: 2 @84613 has 15 MA's), (3, 84673), (4, 84679), (5, 84712), (6, 84724), (7, 84736),

Gene: Duke13_161 Start: 84879, Stop: 85070, Start Num: 2
Candidate Starts for Duke13_161:
(Start: 2 @84879 has 15 MA's), (3, 84939), (4, 84945), (5, 84978), (6, 84990), (7, 85002), (8, 85029),

Gene: EricMillard_157 Start: 86222, Stop: 86413, Start Num: 2
Candidate Starts for EricMillard_157:
(Start: 2 @86222 has 15 MA's), (3, 86282), (4, 86288), (5, 86321), (6, 86333), (7, 86345), (8, 86372),

Gene: Kalah2_155 Start: 85810, Stop: 86001, Start Num: 2
Candidate Starts for Kalah2_155:
(Start: 2 @85810 has 15 MA's), (3, 85870), (4, 85876), (5, 85909), (6, 85921), (7, 85933), (8, 85960),

Gene: Klein_162 Start: 84170, Stop: 84361, Start Num: 2
Candidate Starts for Klein_162:
(Start: 2 @84170 has 15 MA's), (3, 84230), (4, 84236), (5, 84269), (6, 84281), (7, 84293), (8, 84320),

Gene: LittleE_164 Start: 85886, Stop: 86077, Start Num: 2
Candidate Starts for LittleE_164:
(Start: 2 @85886 has 15 MA's), (3, 85946), (4, 85952), (5, 85985), (6, 85997), (8, 86036),

Gene: Lucky2013_152 Start: 80567, Stop: 80758, Start Num: 2
Candidate Starts for Lucky2013_152:
(1, 80435), (Start: 2 @80567 has 15 MA's), (3, 80627), (4, 80633), (5, 80666), (6, 80678), (8, 80717),

Gene: MiaZeal_159 Start: 81714, Stop: 81905, Start Num: 2

Candidate Starts for MiaZeal_159:
(1, 81582), (Start: 2 @81714 has 15 MA's), (3, 81774), (4, 81780), (5, 81813), (6, 81825), (8, 81864),

Gene: Omega_169 Start: 87288, Stop: 87479, Start Num: 2
Candidate Starts for Omega_169:
(Start: 2 @87288 has 15 MA's), (3, 87348), (4, 87354), (5, 87387), (6, 87399), (7, 87411),

Gene: Optimus_155 Start: 84699, Stop: 84890, Start Num: 2
Candidate Starts for Optimus_155:
(Start: 2 @84699 has 15 MA's), (3, 84759), (4, 84765), (5, 84798), (6, 84810), (7, 84822), (8, 84849),

Gene: Porcelain_156 Start: 81513, Stop: 81704, Start Num: 2
Candidate Starts for Porcelain_156:
(1, 81381), (Start: 2 @81513 has 15 MA's), (3, 81573), (4, 81579), (5, 81612), (6, 81624), (8, 81663),

Gene: Pound_152 Start: 83484, Stop: 83675, Start Num: 2
Candidate Starts for Pound_152:
(Start: 2 @83484 has 15 MA's), (3, 83544), (4, 83550), (5, 83583), (6, 83595), (7, 83607), (8, 83634),

Gene: ThreeRngTarjay_157 Start: 86108, Stop: 86299, Start Num: 2
Candidate Starts for ThreeRngTarjay_157:
(1, 85976), (Start: 2 @86108 has 15 MA's), (3, 86168), (4, 86174), (5, 86207), (6, 86219), (7, 86231),