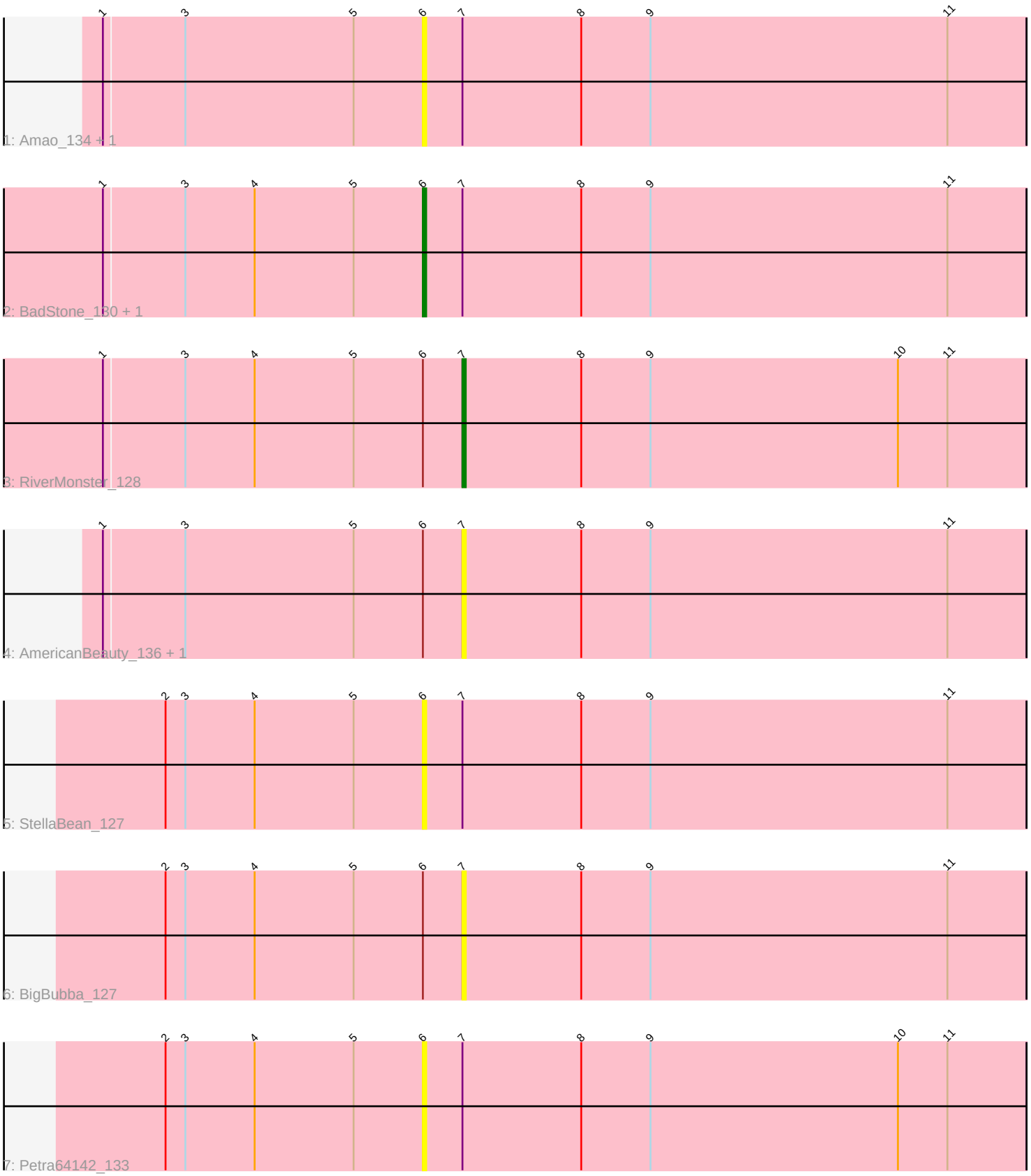
Pham 87506


1
3
5
6
7
8
9
11
1: Amao_134 + 1
1
3
4
5
6
7
8
9
11
2: BadStone_130 + 1
1
3
4
5
6
7
8
9
10
11
3: RiverMonster_128
1
3
5
6
7
8
9
11
4: AmericanBeauty_136 + 1
2
3
4
5
6
7
8
9
11
5: StellaBean_127
2
3
4
5
6
7
8
9
11
6: BigBubba_127
2
3
4
5
6
7
8
9
10
11
7: Petra64142_133

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 87506 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87506 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Amao_134, Xandras_127
• Track 2 : BadStone_130, Quallification_130
• Track 3 : RiverMonster_128
• Track 4 : AmericanBeauty_136, Stank_132
• Track 5 : StellaBean_127
• Track 6 : BigBubba_127
• Track 7 : Petra64142_133

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_134, BadStone_130, Petra64142_133, Quallification_130, StellaBean_127, Xandras_127,

Genes that have the "Most Annotated" start but do not call it:
• AmericanBeauty_136, BigBubba_127, RiverMonster_128, Stank_132,

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

Summary by start number:

Start 6:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Amao_134 (E), BadStone_130 (E), Petra64142_133 (E), Quallification_130 (E), StellaBean_127 (E), Xandras_127 (E),

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham

• Manual Annotations of this start: 1 of 3
• Called 40.0% of time when present
• Phage (with cluster) where this start called: AmericanBeauty_136 (E), BigBubba_127 (E), RiverMonster_128 (E), Stank_132 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 6 was manually annotated 2 times for cluster E.
•Start number 7 was manually annotated 1 time for cluster E.

Gene Information:

Gene: Amao_134 Start: 70824, Stop: 70642, Start Num: 6
Candidate Starts for Amao_134:
(1, 70920), (3, 70896), (5, 70845), (Start: 6 @70824 has 2 MA's), (Start: 7 @70812 has 1 MA's), (8, 70776), (9, 70755), (11, 70665),

Gene: AmericanBeauty_136 Start: 69618, Stop: 69448, Start Num: 7
Candidate Starts for AmericanBeauty_136:
(1, 69726), (3, 69702), (5, 69651), (Start: 6 @69630 has 2 MA's), (Start: 7 @69618 has 1 MA's), (8, 69582), (9, 69561), (11, 69471),

Gene: BadStone_130 Start: 70706, Stop: 70524, Start Num: 6
Candidate Starts for BadStone_130:
(1, 70802), (3, 70778), (4, 70757), (5, 70727), (Start: 6 @70706 has 2 MA's), (Start: 7 @70694 has 1 MA's), (8, 70658), (9, 70637), (11, 70547),

Gene: BigBubba_127 Start: 69309, Stop: 69139, Start Num: 7
Candidate Starts for BigBubba_127:
(2, 69399), (3, 69393), (4, 69372), (5, 69342), (Start: 6 @69321 has 2 MA's), (Start: 7 @69309 has 1 MA's), (8, 69273), (9, 69252), (11, 69162),

Gene: Petra64142_133 Start: 70494, Stop: 70312, Start Num: 6
Candidate Starts for Petra64142_133:
(2, 70572), (3, 70566), (4, 70545), (5, 70515), (Start: 6 @70494 has 2 MA's), (Start: 7 @70482 has 1 MA's), (8, 70446), (9, 70425), (10, 70350), (11, 70335),

Gene: Quallification_130 Start: 70440, Stop: 70258, Start Num: 6
Candidate Starts for Quallification_130:
(1, 70536), (3, 70512), (4, 70491), (5, 70461), (Start: 6 @70440 has 2 MA's), (Start: 7 @70428 has 1 MA's), (8, 70392), (9, 70371), (11, 70281),

Gene: RiverMonster_128 Start: 69915, Stop: 69745, Start Num: 7
Candidate Starts for RiverMonster_128:
(1, 70023), (3, 69999), (4, 69978), (5, 69948), (Start: 6 @69927 has 2 MA's), (Start: 7 @69915 has 1 MA's), (8, 69879), (9, 69858), (10, 69783), (11, 69768),

Gene: Stank_132 Start: 70293, Stop: 70123, Start Num: 7

Candidate Starts for Stank_132:
(1, 70401), (3, 70377), (5, 70326), (Start: 6 @70305 has 2 MA's), (Start: 7 @70293 has 1 MA's), (8, 70257), (9, 70236), (11, 70146),

Gene: StellaBean_127 Start: 70109, Stop: 69927, Start Num: 6
Candidate Starts for StellaBean_127:
(2, 70187), (3, 70181), (4, 70160), (5, 70130), (Start: 6 @70109 has 2 MA's), (Start: 7 @70097 has 1 MA's), (8, 70061), (9, 70040), (11, 69950),

Gene: Xandras_127 Start: 69559, Stop: 69377, Start Num: 6
Candidate Starts for Xandras_127:
(1, 69655), (3, 69631), (5, 69580), (Start: 6 @69559 has 2 MA's), (Start: 7 @69547 has 1 MA's), (8, 69511), (9, 69490), (11, 69400),