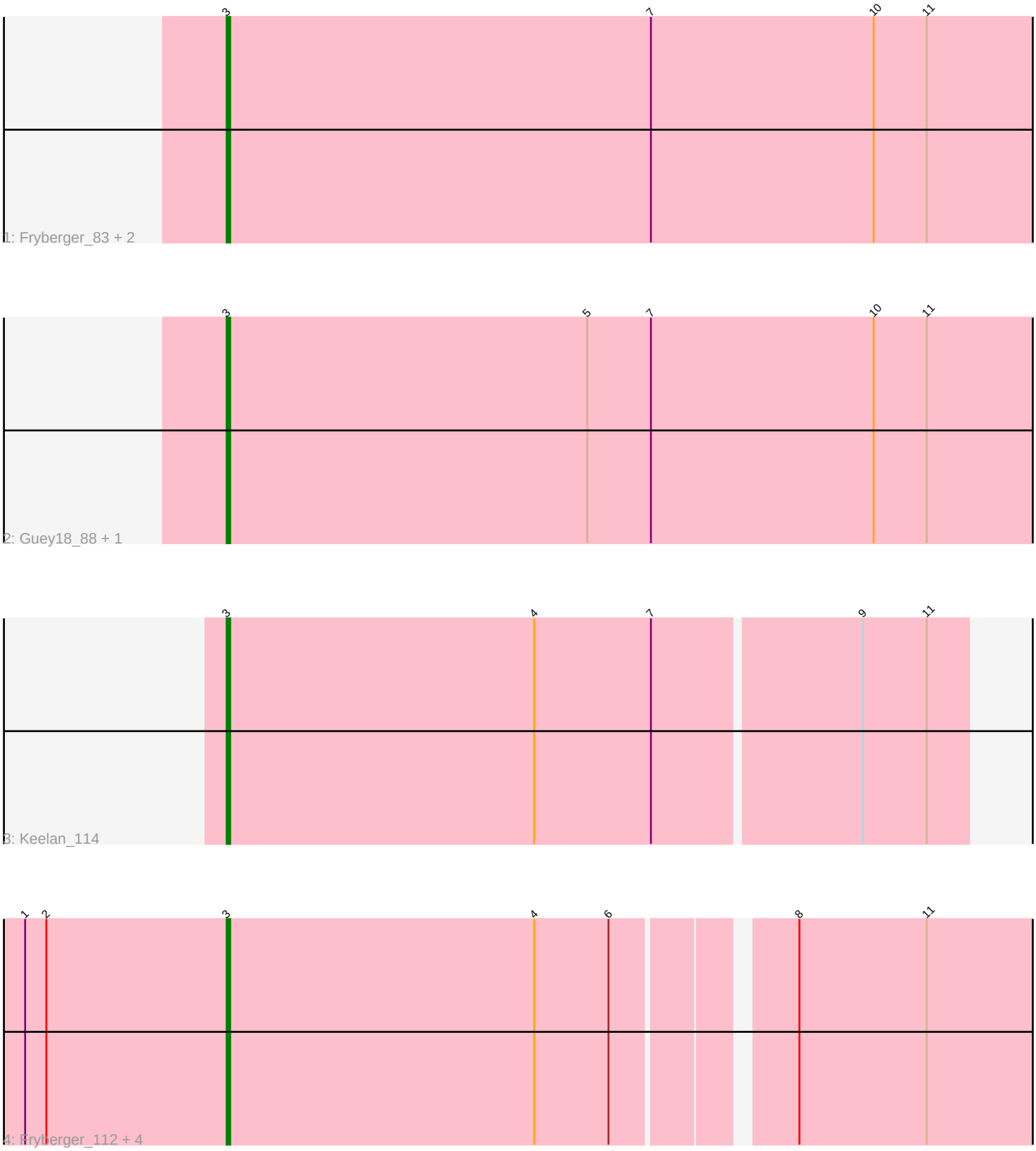
Pham 27888


3
7
10
11
1: Fryberger_83 + 2
3
5
7
10
11
2: Guey18_88 + 1
3
4
7
9
11
3: Keelan_114
1
2
3
4
6
8
11
4: Fryberger_112 + 4

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 27888 Report

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

Pham number 27888 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Fryberger_83, Ronaldo_87, Volt_87
• Track 2 : Guey18_88, Ziko_86
• Track 3 : Keelan_114
• Track 4 : Fryberger_112, Volt_116, Ziko_115, Guey18_117, Ronaldo_114

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fryberger_112, Fryberger_83, Guey18_117, Guey18_88, Keelan_114, Ronaldo_114, Ronaldo_87, Volt_116, Volt_87, Ziko_115, Ziko_86,

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 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_112 (DP), Fryberger_83 (DP), Guey18_117 (DP), Guey18_88 (DP), Keelan_114 (DP), Ronaldo_114 (DP), Ronaldo_87 (DP), Volt_116 (DP), Volt_87 (DP), Ziko_115 (DP), Ziko_86 (DP),

Summary by clusters:

There is one cluster represented in this pham: DP

Info for manual annotations of cluster DP:
•Start number 3 was manually annotated 11 times for cluster DP.

Gene Information:

Gene: Fryberger_83 Start: 44387, Stop: 44626, Start Num: 3
Candidate Starts for Fryberger_83:
(Start: 3 @44387 has 11 MA's), (7, 44507), (10, 44570), (11, 44585),

Gene: Fryberger_112 Start: 54738, Stop: 54956, Start Num: 3
Candidate Starts for Fryberger_112:
(1, 54681), (2, 54687), (Start: 3 @54738 has 11 MA's), (4, 54825), (6, 54846), (8, 54891), (11, 54927),

Gene: Guey18_88 Start: 45720, Stop: 45959, Start Num: 3
Candidate Starts for Guey18_88:
(Start: 3 @45720 has 11 MA's), (5, 45822), (7, 45840), (10, 45903), (11, 45918),

Gene: Guey18_117 Start: 56061, Stop: 56279, Start Num: 3
Candidate Starts for Guey18_117:
(1, 56004), (2, 56010), (Start: 3 @56061 has 11 MA's), (4, 56148), (6, 56169), (8, 56214), (11, 56250),

Gene: Keelan_114 Start: 55886, Stop: 56092, Start Num: 3
Candidate Starts for Keelan_114:
(Start: 3 @55886 has 11 MA's), (4, 55973), (7, 56006), (9, 56063), (11, 56081),

Gene: Ronaldo_87 Start: 45289, Stop: 45528, Start Num: 3
Candidate Starts for Ronaldo_87:
(Start: 3 @45289 has 11 MA's), (7, 45409), (10, 45472), (11, 45487),

Gene: Ronaldo_114 Start: 55643, Stop: 55861, Start Num: 3
Candidate Starts for Ronaldo_114:
(1, 55586), (2, 55592), (Start: 3 @55643 has 11 MA's), (4, 55730), (6, 55751), (8, 55796), (11, 55832),

Gene: Volt_116 Start: 55807, Stop: 56025, Start Num: 3
Candidate Starts for Volt_116:
(1, 55750), (2, 55756), (Start: 3 @55807 has 11 MA's), (4, 55894), (6, 55915), (8, 55960), (11, 55996),

Gene: Volt_87 Start: 45453, Stop: 45692, Start Num: 3
Candidate Starts for Volt_87:
(Start: 3 @45453 has 11 MA's), (7, 45573), (10, 45636), (11, 45651),

Gene: Ziko_115 Start: 55649, Stop: 55867, Start Num: 3
Candidate Starts for Ziko_115:
(1, 55592), (2, 55598), (Start: 3 @55649 has 11 MA's), (4, 55736), (6, 55757), (8, 55802), (11, 55838),

Gene: Ziko_86 Start: 45274, Stop: 45513, Start Num: 3
Candidate Starts for Ziko_86:
(Start: 3 @45274 has 11 MA's), (5, 45376), (7, 45394), (10, 45457), (11, 45472),