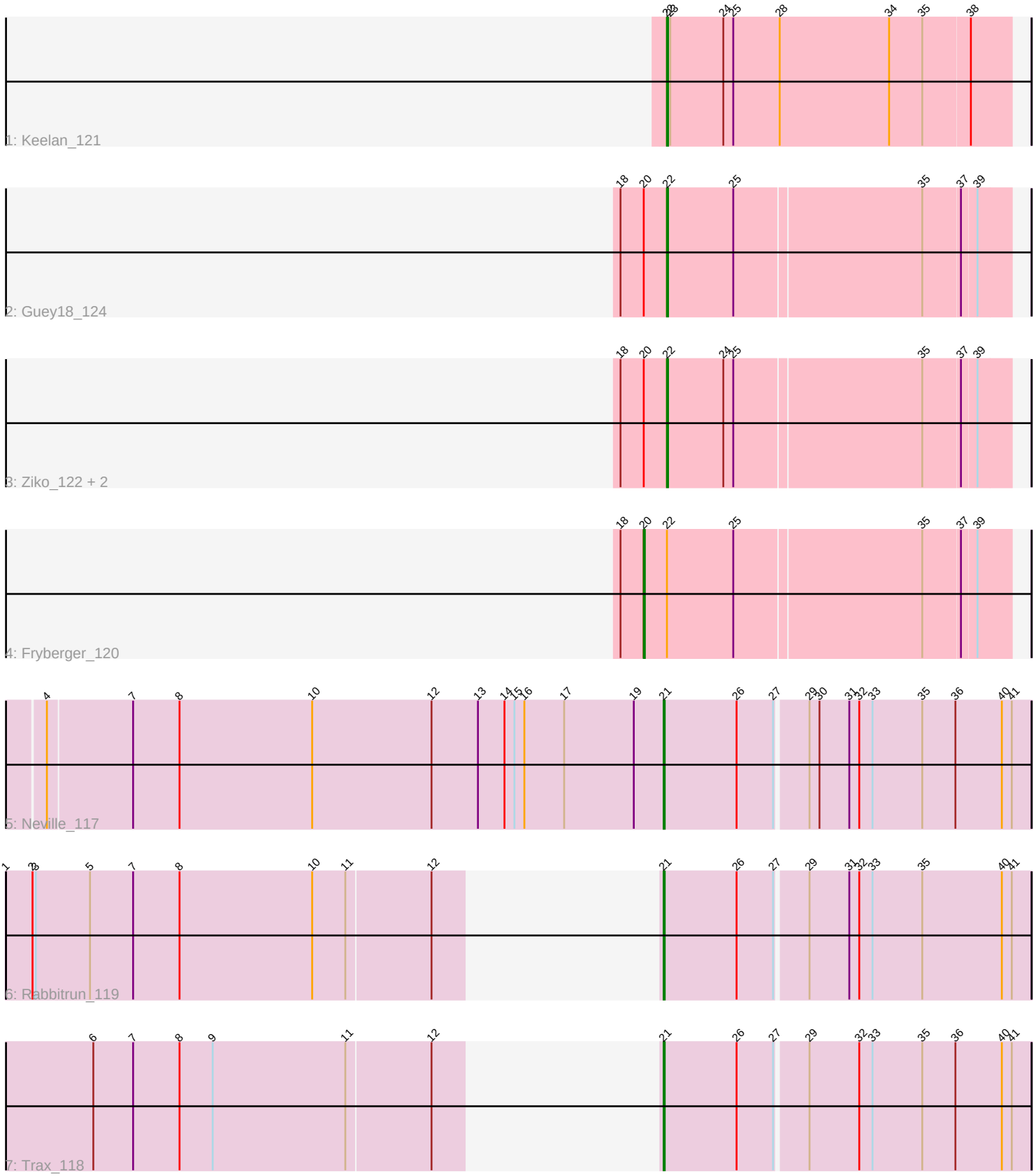
Pham 205779


1: Keelan_121
2: Guey18_124
3: Ziko_122 + 2
4: Fryberger_120
5: Neville_117
6: Rabbitrun_119
7: Trax_118

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 205779 Report

This analysis was run 02/22/25 on database version 588.

Pham number 205779 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Keelan_121
• Track 2 : Guey18_124
• Track 3 : Ziko_122, Volt_124, Ronaldo_121
• Track 4 : Fryberger_120
• Track 5 : Neville_117
• Track 6 : Rabbitrun_119
• Track 7 : Trax_118

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

The start number called the most often in the published annotations is 22, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Guey18_124, Keelan_121, Ronaldo_121, Volt_124, Ziko_122,

Genes that have the "Most Annotated" start but do not call it:
• Fryberger_120,

Genes that do not have the "Most Annotated" start:
• Neville_117, Rabbitrun_119, Trax_118,

Summary by start number:

Start 20:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Fryberger_120 (DP),

Start 21:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Neville_117 (DU2), Rabbitrun_119 (DU2), Trax_118 (DU2),

Start 22:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Guey18_124 (DP), Keelan_121 (DP), Ronaldo_121 (DP), Volt_124 (DP), Ziko_122 (DP),

Summary by clusters:

There are 2 clusters represented in this pham: DU2, DP,

Info for manual annotations of cluster DP:
•Start number 20 was manually annotated 1 time for cluster DP.
•Start number 22 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster DU2:
•Start number 21 was manually annotated 3 times for cluster DU2.

Gene Information:

Gene: Fryberger_120 Start: 57645, Stop: 57965, Start Num: 20
Candidate Starts for Fryberger_120:
(18, 57624), (Start: 20 @57645 has 1 MA's), (Start: 22 @57666 has 5 MA's), (25, 57726), (35, 57891), (37, 57924), (39, 57936),

Gene: Guey18_124 Start: 58989, Stop: 59288, Start Num: 22
Candidate Starts for Guey18_124:
(18, 58947), (Start: 20 @58968 has 1 MA's), (Start: 22 @58989 has 5 MA's), (25, 59049), (35, 59214), (37, 59247), (39, 59259),

Gene: Keelan_121 Start: 58534, Stop: 58842, Start Num: 22
Candidate Starts for Keelan_121:
(Start: 22 @58534 has 5 MA's), (23, 58537), (24, 58585), (25, 58594), (28, 58636), (34, 58735), (35, 58765), (38, 58807),

Gene: Neville_117 Start: 66525, Stop: 66851, Start Num: 21
Candidate Starts for Neville_117:
(4, 65970), (7, 66045), (8, 66087), (10, 66207), (12, 66315), (13, 66357), (14, 66381), (15, 66390), (16, 66399), (17, 66435), (19, 66498), (Start: 21 @66525 has 3 MA's), (26, 66591), (27, 66624), (29, 66651), (30, 66660), (31, 66687), (32, 66696), (33, 66708), (35, 66753), (36, 66783), (40, 66825), (41, 66834),

Gene: Rabbitrun_119 Start: 67666, Stop: 67992, Start Num: 21
Candidate Starts for Rabbitrun_119:
(1, 67252), (2, 67276), (3, 67279), (5, 67327), (7, 67366), (8, 67408), (10, 67528), (11, 67558), (12, 67633), (Start: 21 @67666 has 3 MA's), (26, 67732), (27, 67765), (29, 67792), (31, 67828), (32, 67837), (33, 67849), (35, 67894), (40, 67966), (41, 67975),

Gene: Ronaldo_121 Start: 58571, Stop: 58870, Start Num: 22
Candidate Starts for Ronaldo_121:
(18, 58529), (Start: 20 @58550 has 1 MA's), (Start: 22 @58571 has 5 MA's), (24, 58622), (25, 58631), (35, 58796), (37, 58829), (39, 58841),

Gene: Trax_118 Start: 67345, Stop: 67671, Start Num: 21
Candidate Starts for Trax_118:
(6, 67009), (7, 67045), (8, 67087), (9, 67117), (11, 67237), (12, 67312), (Start: 21 @67345 has 3 MA's), (26, 67411), (27, 67444), (29, 67471), (32, 67516), (33, 67528), (35, 67573), (36, 67603), (40, 67645), (41, 67654),

Gene: Volt_124 Start: 58735, Stop: 59034, Start Num: 22
Candidate Starts for Volt_124:
(18, 58693), (Start: 20 @58714 has 1 MA's), (Start: 22 @58735 has 5 MA's), (24, 58786), (25, 58795), (35, 58960), (37, 58993), (39, 59005),

Gene: Ziko_122 Start: 58577, Stop: 58876, Start Num: 22
Candidate Starts for Ziko_122:
(18, 58535), (Start: 20 @58556 has 1 MA's), (Start: 22 @58577 has 5 MA's), (24, 58628), (25, 58637), (35, 58802), (37, 58835), (39, 58847),