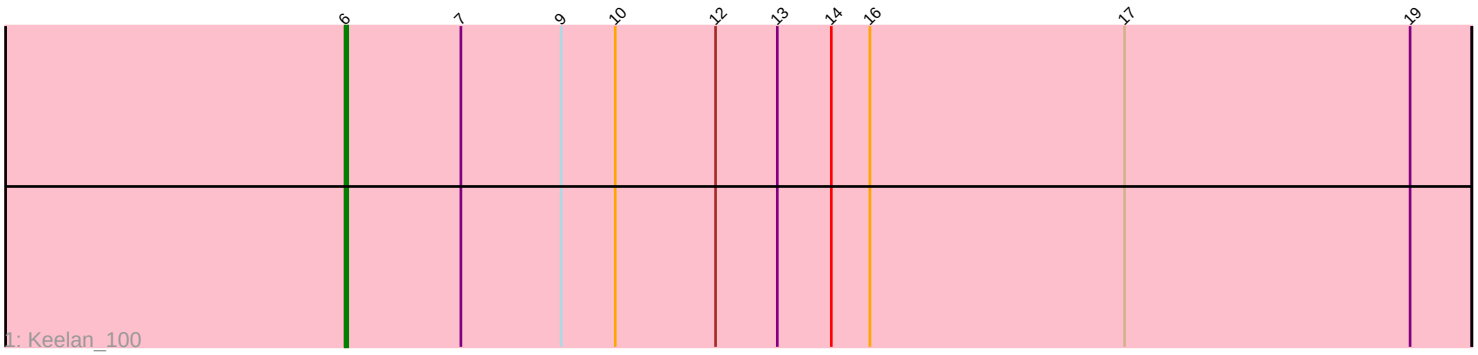
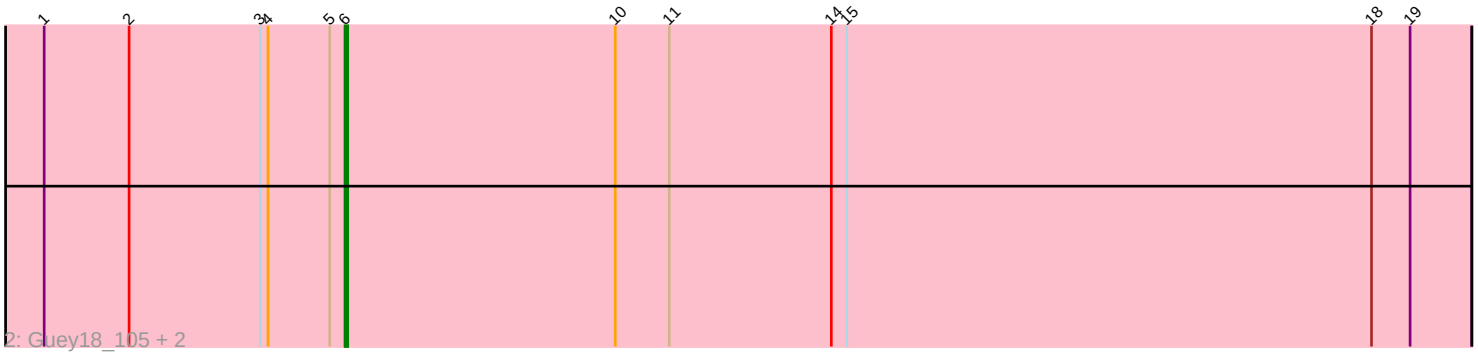
Pham 222189


6
7
9
10
12
13
14
16
17
19
1: Keelan_100


1
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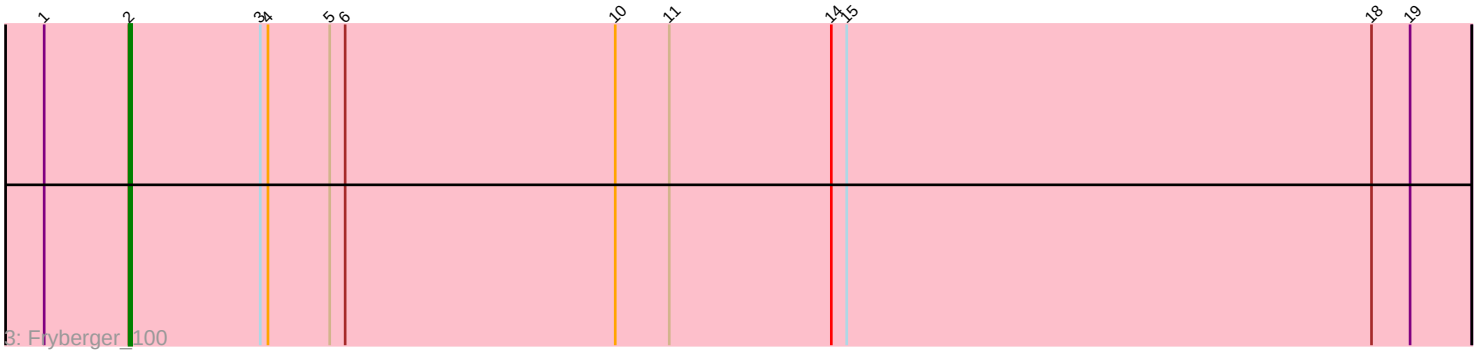
18
19
2: Guey18_105 + 2


1
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18
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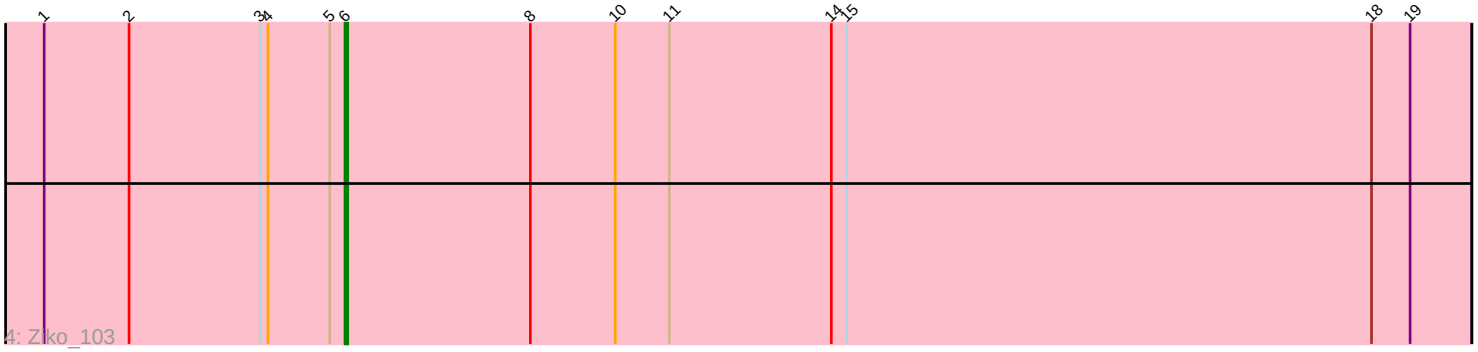
3: Fryberger_100


1
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3
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6
8
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11
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19
4: Ziko_103

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 222189 Report

This analysis was run 03/28/25 on database version 593.

Pham number 222189 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Keelan_100
• Track 2 : Guey18_105, Volt_104, Ronaldo_102
• Track 3 : Fryberger_100
• Track 4 : Ziko_103

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Guey18_105, Keelan_100, Ronaldo_102, Volt_104, Ziko_103,

Genes that have the "Most Annotated" start but do not call it:
• Fryberger_100,

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

Summary by start number:

Start 2:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Fryberger_100 (DP),

Start 6:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Guey18_105 (DP), Keelan_100 (DP), Ronaldo_102 (DP), Volt_104 (DP), Ziko_103 (DP),

Summary by clusters:

There is one cluster represented in this pham: DP

Info for manual annotations of cluster DP:
•Start number 2 was manually annotated 1 time for cluster DP.
•Start number 6 was manually annotated 5 times for cluster DP.

Gene Information:

Gene: Fryberger_100 Start: 49279, Stop: 49800, Start Num: 2
Candidate Starts for Fryberger_100:
(1, 49246), (Start: 2 @49279 has 1 MA's), (3, 49330), (4, 49333), (5, 49357), (Start: 6 @49363 has 5 MA's), (10, 49468), (11, 49489), (14, 49552), (15, 49558), (18, 49762), (19, 49777),

Gene: Guey18_105 Start: 50683, Stop: 51120, Start Num: 6
Candidate Starts for Guey18_105:
(1, 50566), (Start: 2 @50599 has 1 MA's), (3, 50650), (4, 50653), (5, 50677), (Start: 6 @50683 has 5 MA's), (10, 50788), (11, 50809), (14, 50872), (15, 50878), (18, 51082), (19, 51097),

Gene: Keelan_100 Start: 50153, Stop: 50590, Start Num: 6
Candidate Starts for Keelan_100:
(Start: 6 @50153 has 5 MA's), (7, 50198), (9, 50237), (10, 50258), (12, 50297), (13, 50321), (14, 50342), (16, 50357), (17, 50456), (19, 50567),

Gene: Ronaldo_102 Start: 50265, Stop: 50702, Start Num: 6
Candidate Starts for Ronaldo_102:
(1, 50148), (Start: 2 @50181 has 1 MA's), (3, 50232), (4, 50235), (5, 50259), (Start: 6 @50265 has 5 MA's), (10, 50370), (11, 50391), (14, 50454), (15, 50460), (18, 50664), (19, 50679),

Gene: Volt_104 Start: 50429, Stop: 50866, Start Num: 6
Candidate Starts for Volt_104:
(1, 50312), (Start: 2 @50345 has 1 MA's), (3, 50396), (4, 50399), (5, 50423), (Start: 6 @50429 has 5 MA's), (10, 50534), (11, 50555), (14, 50618), (15, 50624), (18, 50828), (19, 50843),

Gene: Ziko_103 Start: 50271, Stop: 50708, Start Num: 6
Candidate Starts for Ziko_103:
(1, 50154), (Start: 2 @50187 has 1 MA's), (3, 50238), (4, 50241), (5, 50265), (Start: 6 @50271 has 5 MA's), (8, 50343), (10, 50376), (11, 50397), (14, 50460), (15, 50466), (18, 50670), (19, 50685),