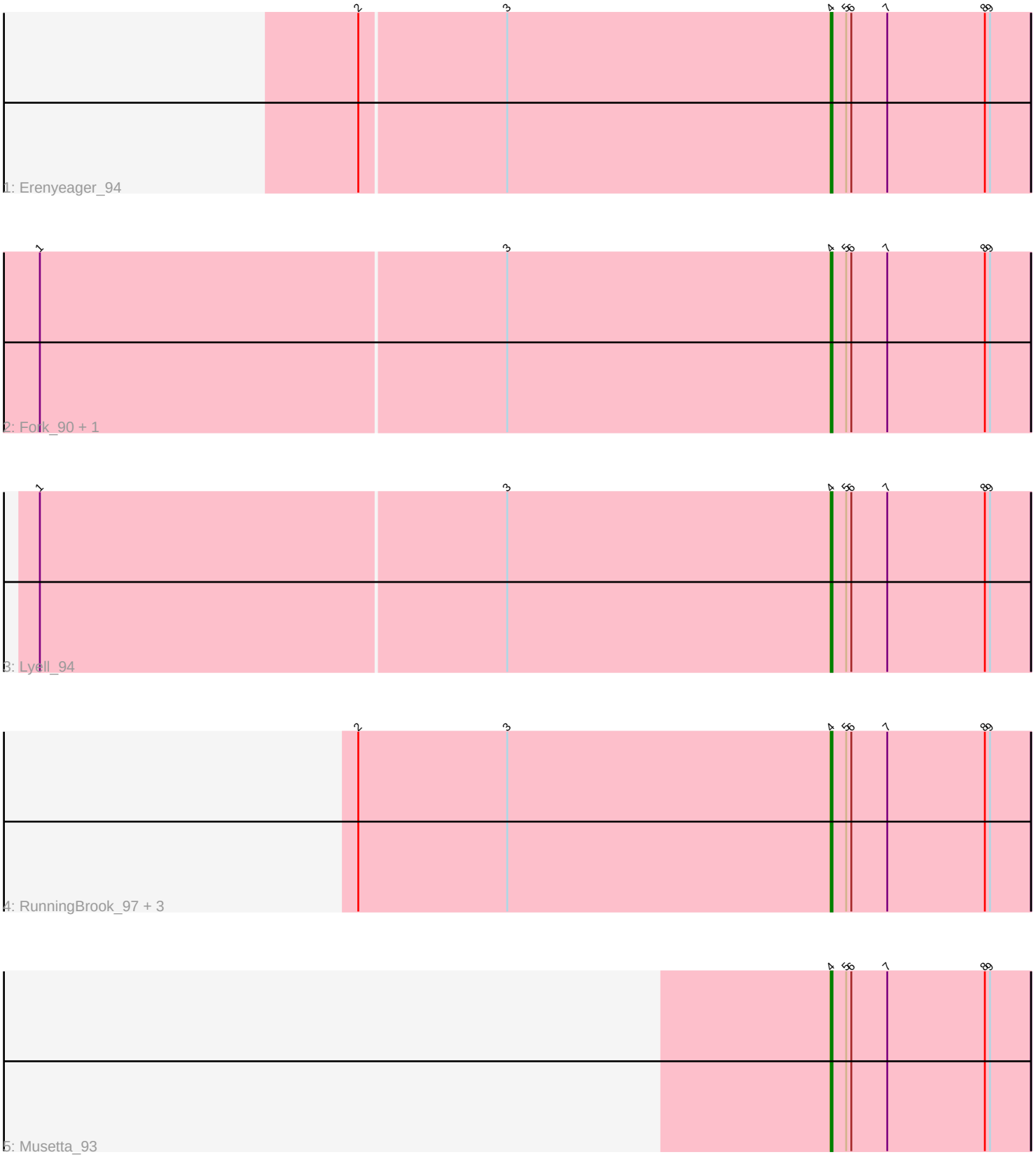
Pham 7716


2
3
4
5
6
7
8
9
1: Erenyeager_94
1
3
4
5
6
7
8
9
2: Fork_90 + 1
1
3
4
5
6
7
8
9
3: Lyell_94
2
3
4
5
6
7
8
9
4: RunningBrook_97 + 3
4
5
6
7
8
9
5: Musetta_93

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 7716 Report

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

Pham number 7716 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Erenyeager_94
• Track 2 : Fork_90, ASegato_92
• Track 3 : Lyell_94
• Track 4 : RunningBrook_97, Yuma_93, DustyDino_98, Necrophoxinus_96
• Track 5 : Musetta_93

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_92, DustyDino_98, Erenyeager_94, Fork_90, Lyell_94, Musetta_93, Necrophoxinus_96, RunningBrook_97, Yuma_93,

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 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_92 (ED2), DustyDino_98 (ED2), Erenyeager_94 (ED2), Fork_90 (ED2), Lyell_94 (ED2), Musetta_93 (ED2), Necrophoxinus_96 (ED2), RunningBrook_97 (ED2), Yuma_93 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 8 times for cluster ED2.

Gene Information:

Gene: ASegato_92 Start: 51751, Stop: 51635, Start Num: 4
Candidate Starts for ASegato_92:
(1, 52210), (3, 51940), (Start: 4 @51751 has 8 MA's), (5, 51742), (6, 51739), (7, 51718), (8, 51661), (9, 51658),

Gene: DustyDino_98 Start: 52890, Stop: 52774, Start Num: 4
Candidate Starts for DustyDino_98:
(2, 53166), (3, 53079), (Start: 4 @52890 has 8 MA's), (5, 52881), (6, 52878), (7, 52857), (8, 52800), (9, 52797),

Gene: Erenyeager_94 Start: 51679, Stop: 51563, Start Num: 4
Candidate Starts for Erenyeager_94:
(2, 51952), (3, 51868), (Start: 4 @51679 has 8 MA's), (5, 51670), (6, 51667), (7, 51646), (8, 51589), (9, 51586),

Gene: Fork_90 Start: 51629, Stop: 51513, Start Num: 4
Candidate Starts for Fork_90:
(1, 52088), (3, 51818), (Start: 4 @51629 has 8 MA's), (5, 51620), (6, 51617), (7, 51596), (8, 51539), (9, 51536),

Gene: Lyell_94 Start: 51840, Stop: 51724, Start Num: 4
Candidate Starts for Lyell_94:
(1, 52299), (3, 52029), (Start: 4 @51840 has 8 MA's), (5, 51831), (6, 51828), (7, 51807), (8, 51750), (9, 51747),

Gene: Musetta_93 Start: 52179, Stop: 52063, Start Num: 4
Candidate Starts for Musetta_93:
(Start: 4 @52179 has 8 MA's), (5, 52170), (6, 52167), (7, 52146), (8, 52089), (9, 52086),

Gene: Necrophoxinus_96 Start: 52526, Stop: 52410, Start Num: 4
Candidate Starts for Necrophoxinus_96:
(2, 52802), (3, 52715), (Start: 4 @52526 has 8 MA's), (5, 52517), (6, 52514), (7, 52493), (8, 52436), (9, 52433),

Gene: RunningBrook_97 Start: 52890, Stop: 52774, Start Num: 4
Candidate Starts for RunningBrook_97:
(2, 53166), (3, 53079), (Start: 4 @52890 has 8 MA's), (5, 52881), (6, 52878), (7, 52857), (8, 52800), (9, 52797),

Gene: Yuma_93 Start: 51851, Stop: 51735, Start Num: 4
Candidate Starts for Yuma_93:
(2, 52127), (3, 52040), (Start: 4 @51851 has 8 MA's), (5, 51842), (6, 51839), (7, 51818), (8, 51761), (9, 51758),