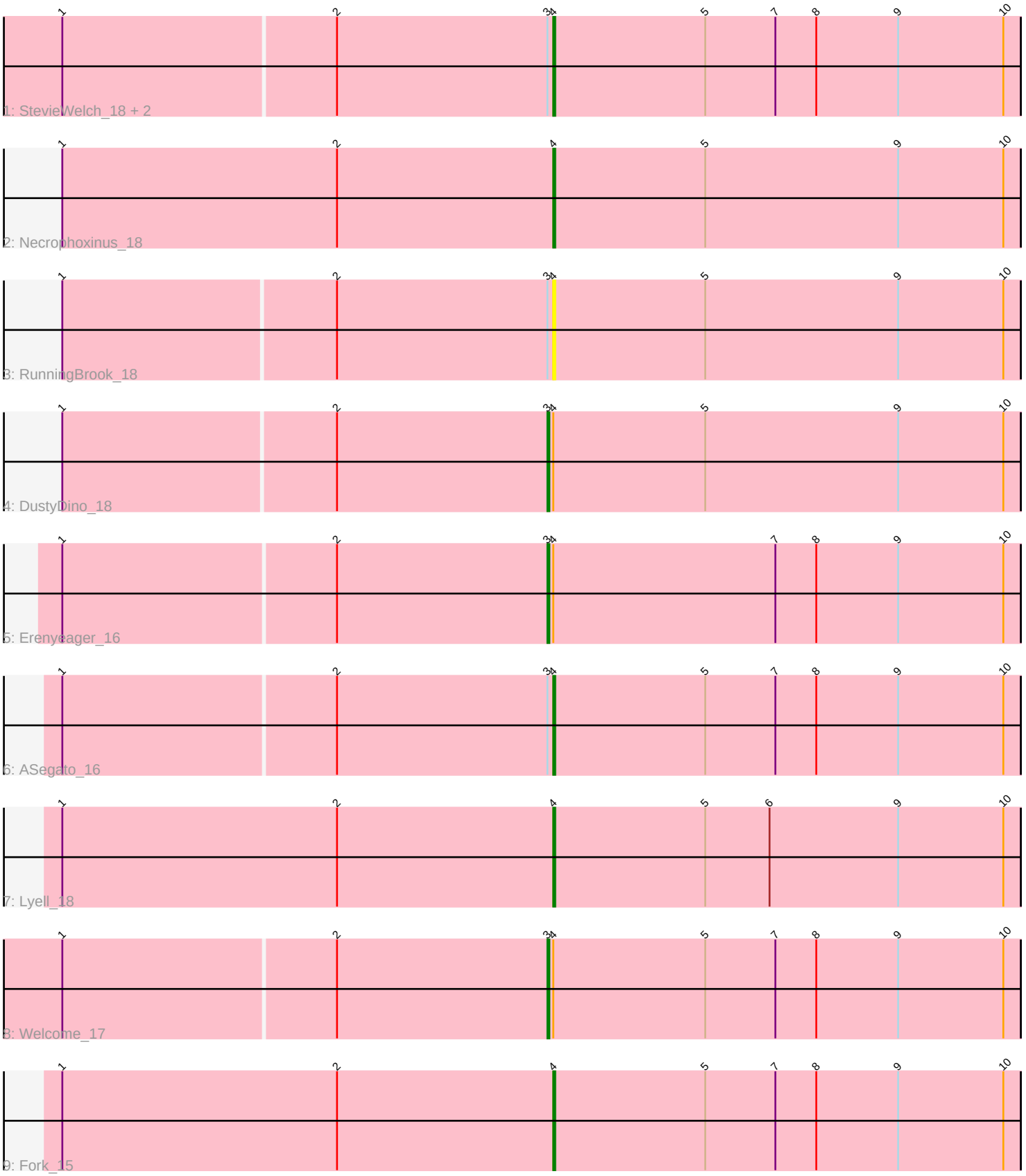
Pham 67741


1
2
3
4
5
7
8
9
10
1: StevieWelch_18 + 2
2: Necrophoxinus_18
3: RunningBrook_18
4: DustyDino_18
5: Erenyeager_16
6: ASegato_16
6
7: Lyell_18
8: Welcome_17
9: Fork_15

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 67741 Report

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

Pham number 67741 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : StevieWelch_18, Musetta_17, Yuma_17
• Track 2 : Necrophoxinus_18
• Track 3 : RunningBrook_18
• Track 4 : DustyDino_18
• Track 5 : Erenyeager_16
• Track 6 : ASegato_16
• Track 7 : Lyell_18
• Track 8 : Welcome_17
• Track 9 : Fork_15

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 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_16, Fork_15, Lyell_18, Musetta_17, Necrophoxinus_18, RunningBrook_18, StevieWelch_18, Yuma_17,

Genes that have the "Most Annotated" start but do not call it:
• DustyDino_18, Erenyeager_16, Welcome_17,

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

Summary by start number:

Start 3:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 37.5% of time when present
• Phage (with cluster) where this start called: DustyDino_18 (ED2), Erenyeager_16 (ED2), Welcome_17 (ED2),

Start 4:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 72.7% of time when present
• Phage (with cluster) where this start called: ASegato_16 (ED2), Fork_15 (ED2), Lyell_18 (ED2), Musetta_17 (ED2), Necrophoxinus_18 (ED2), RunningBrook_18 (ED2), StevieWelch_18 (ED2), Yuma_17 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 3 was manually annotated 3 times for cluster ED2.
•Start number 4 was manually annotated 6 times for cluster ED2.

Gene Information:

Gene: ASegato_16 Start: 5825, Stop: 6064, Start Num: 4
Candidate Starts for ASegato_16:
(1, 5576), (2, 5714), (Start: 3 @5822 has 3 MA's), (Start: 4 @5825 has 6 MA's), (5, 5903), (7, 5939), (8, 5960), (9, 6002), (10, 6056),

Gene: DustyDino_18 Start: 6223, Stop: 6465, Start Num: 3
Candidate Starts for DustyDino_18:
(1, 5977), (2, 6115), (Start: 3 @6223 has 3 MA's), (Start: 4 @6226 has 6 MA's), (5, 6304), (9, 6403), (10, 6457),

Gene: Erenyeager_16 Start: 5740, Stop: 5982, Start Num: 3
Candidate Starts for Erenyeager_16:
(1, 5494), (2, 5632), (Start: 3 @5740 has 3 MA's), (Start: 4 @5743 has 6 MA's), (7, 5857), (8, 5878), (9, 5920), (10, 5974),

Gene: Fork_15 Start: 5485, Stop: 5724, Start Num: 4
Candidate Starts for Fork_15:
(1, 5233), (2, 5374), (Start: 4 @5485 has 6 MA's), (5, 5563), (7, 5599), (8, 5620), (9, 5662), (10, 5716),

Gene: Lyell_18 Start: 5947, Stop: 6186, Start Num: 4
Candidate Starts for Lyell_18:
(1, 5695), (2, 5836), (Start: 4 @5947 has 6 MA's), (5, 6025), (6, 6058), (9, 6124), (10, 6178),

Gene: Musetta_17 Start: 5959, Stop: 6198, Start Num: 4
Candidate Starts for Musetta_17:
(1, 5710), (2, 5848), (Start: 3 @5956 has 3 MA's), (Start: 4 @5959 has 6 MA's), (5, 6037), (7, 6073), (8, 6094), (9, 6136), (10, 6190),

Gene: Necrophoxinus_18 Start: 6308, Stop: 6547, Start Num: 4
Candidate Starts for Necrophoxinus_18:
(1, 6056), (2, 6197), (Start: 4 @6308 has 6 MA's), (5, 6386), (9, 6485), (10, 6539),

Gene: RunningBrook_18 Start: 6226, Stop: 6465, Start Num: 4

Candidate Starts for RunningBrook_18:
(1, 5977), (2, 6115), (Start: 3 @6223 has 3 MA's), (Start: 4 @6226 has 6 MA's), (5, 6304), (9, 6403), (10, 6457),

Gene: StevieWelch_18 Start: 6109, Stop: 6348, Start Num: 4
Candidate Starts for StevieWelch_18:
(1, 5860), (2, 5998), (Start: 3 @6106 has 3 MA's), (Start: 4 @6109 has 6 MA's), (5, 6187), (7, 6223), (8, 6244), (9, 6286), (10, 6340),

Gene: Welcome_17 Start: 5952, Stop: 6194, Start Num: 3
Candidate Starts for Welcome_17:
(1, 5706), (2, 5844), (Start: 3 @5952 has 3 MA's), (Start: 4 @5955 has 6 MA's), (5, 6033), (7, 6069), (8, 6090), (9, 6132), (10, 6186),

Gene: Yuma_17 Start: 5858, Stop: 6097, Start Num: 4
Candidate Starts for Yuma_17:
(1, 5609), (2, 5747), (Start: 3 @5855 has 3 MA's), (Start: 4 @5858 has 6 MA's), (5, 5936), (7, 5972), (8, 5993), (9, 6035), (10, 6089),