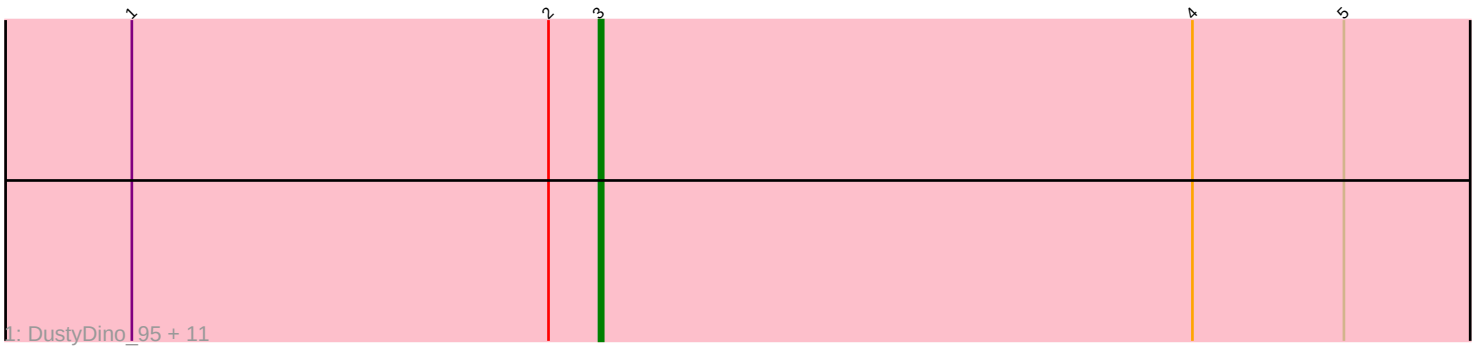
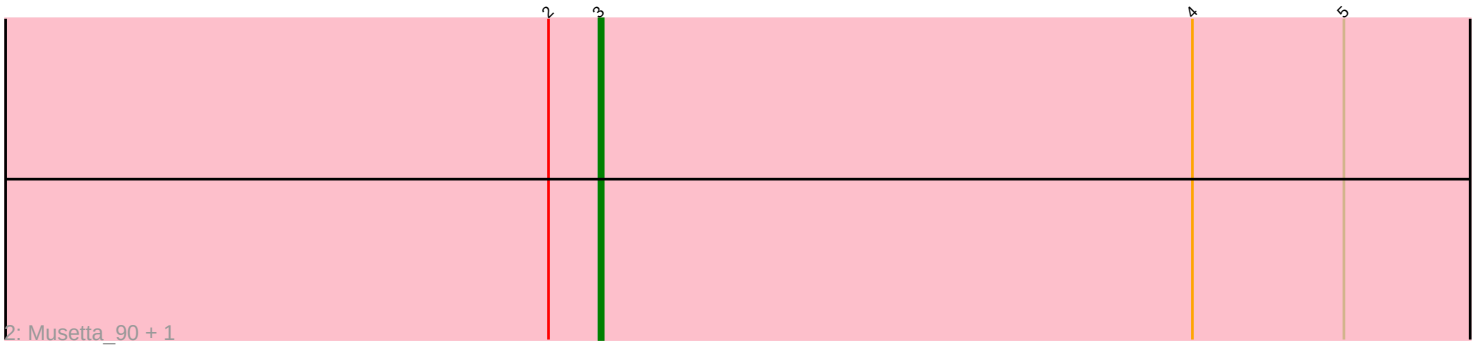
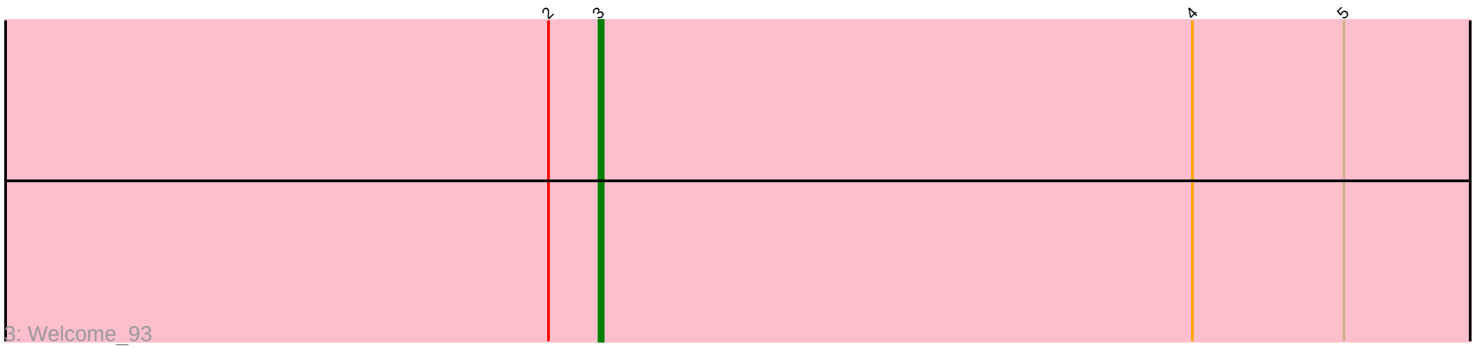
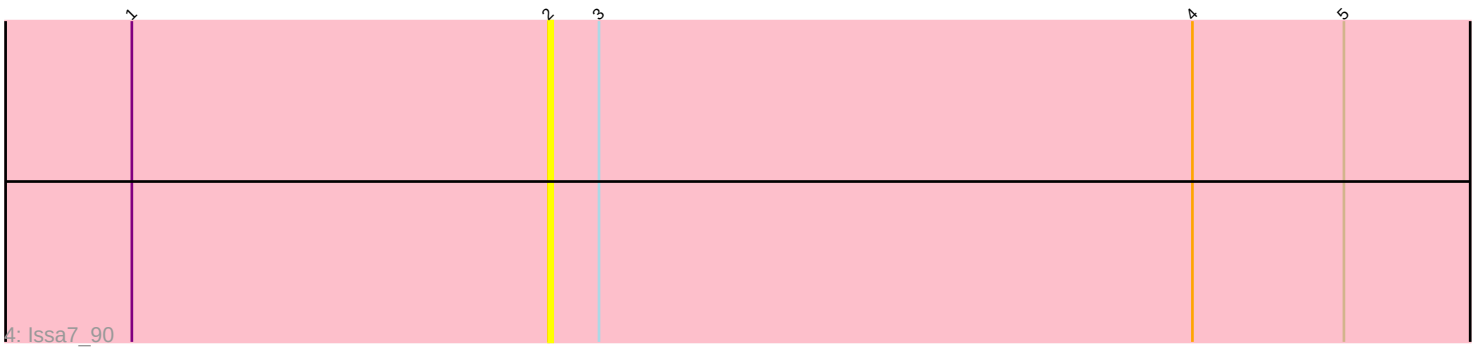
Pham 276659


1
2
3
4
5
1: DustyDino_95 + 11


2
3
4
5
2: Musetta_90 + 1


2
3
4
5
3: Welcome_93


1
2
3
4
5
4: Issa7_90

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 276659 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276659 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : DustyDino_95, HollowPurple_92, Lyell_91, ASegato_89, Yuma_90, RunningBrook_93, Fork_87, Deschain_92, Casablancas_92, Erenyeager_91, Necrophoxinus_93, SteakFry_90
• Track 2 : Musetta_90, Shroomer_94
• Track 3 : Welcome_93
• Track 4 : Issa7_90

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:
• ASegato_89, Casablancas_92, Deschain_92, DustyDino_95, Erenyeager_91, Fork_87, HollowPurple_92, Lyell_91, Musetta_90, Necrophoxinus_93, RunningBrook_93, Shroomer_94, SteakFry_90, Welcome_93, Yuma_90,

Genes that have the "Most Annotated" start but do not call it:
• Issa7_90,

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

Summary by start number:

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Issa7_90 (ED2),

Start 3:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11

• Called 93.8% of time when present
• Phage (with cluster) where this start called: ASegato_89 (ED2), Casablancas_92 (ED2), Deschain_92 (ED2), DustyDino_95 (ED2), Erenyeager_91 (ED2), Fork_87 (ED2), HollowPurple_92 (ED2), Lyell_91 (ED2), Musetta_90 (ED2), Necrophoxinus_93 (ED2), RunningBrook_93 (ED2), Shroomer_94 (ED2), SteakFry_90 (ED2), Welcome_93 (ED2), Yuma_90 (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 11 times for cluster ED2.

Gene Information:

Gene: ASegato_89 Start: 51352, Stop: 51128, Start Num: 3
Candidate Starts for ASegato_89:
(1, 51463), (2, 51364), (Start: 3 @51352 has 11 MA's), (4, 51211), (5, 51175),

Gene: Casablancas_92 Start: 51268, Stop: 51044, Start Num: 3
Candidate Starts for Casablancas_92:
(1, 51379), (2, 51280), (Start: 3 @51268 has 11 MA's), (4, 51127), (5, 51091),

Gene: Deschain_92 Start: 51932, Stop: 51708, Start Num: 3
Candidate Starts for Deschain_92:
(1, 52043), (2, 51944), (Start: 3 @51932 has 11 MA's), (4, 51791), (5, 51755),

Gene: DustyDino_95 Start: 52491, Stop: 52267, Start Num: 3
Candidate Starts for DustyDino_95:
(1, 52602), (2, 52503), (Start: 3 @52491 has 11 MA's), (4, 52350), (5, 52314),

Gene: Erenyeager_91 Start: 51280, Stop: 51056, Start Num: 3
Candidate Starts for Erenyeager_91:
(1, 51391), (2, 51292), (Start: 3 @51280 has 11 MA's), (4, 51139), (5, 51103),

Gene: Fork_87 Start: 51230, Stop: 51006, Start Num: 3
Candidate Starts for Fork_87:
(1, 51341), (2, 51242), (Start: 3 @51230 has 11 MA's), (4, 51089), (5, 51053),

Gene: HollowPurple_92 Start: 51789, Stop: 51565, Start Num: 3
Candidate Starts for HollowPurple_92:
(1, 51900), (2, 51801), (Start: 3 @51789 has 11 MA's), (4, 51648), (5, 51612),

Gene: Issa7_90 Start: 51257, Stop: 51021, Start Num: 2
Candidate Starts for Issa7_90:
(1, 51356), (2, 51257), (Start: 3 @51245 has 11 MA's), (4, 51104), (5, 51068),

Gene: Lyell_91 Start: 51441, Stop: 51217, Start Num: 3
Candidate Starts for Lyell_91:
(1, 51552), (2, 51453), (Start: 3 @51441 has 11 MA's), (4, 51300), (5, 51264),

Gene: Musetta_90 Start: 51780, Stop: 51556, Start Num: 3
Candidate Starts for Musetta_90:
(2, 51792), (Start: 3 @51780 has 11 MA's), (4, 51639), (5, 51603),

Gene: Necrophoxinus_93 Start: 52127, Stop: 51903, Start Num: 3
Candidate Starts for Necrophoxinus_93:
(1, 52238), (2, 52139), (Start: 3 @52127 has 11 MA's), (4, 51986), (5, 51950),

Gene: RunningBrook_93 Start: 52491, Stop: 52267, Start Num: 3
Candidate Starts for RunningBrook_93:
(1, 52602), (2, 52503), (Start: 3 @52491 has 11 MA's), (4, 52350), (5, 52314),

Gene: Shroomer_94 Start: 51731, Stop: 51507, Start Num: 3
Candidate Starts for Shroomer_94:
(2, 51743), (Start: 3 @51731 has 11 MA's), (4, 51590), (5, 51554),

Gene: SteakFry_90 Start: 51789, Stop: 51565, Start Num: 3
Candidate Starts for SteakFry_90:
(1, 51900), (2, 51801), (Start: 3 @51789 has 11 MA's), (4, 51648), (5, 51612),

Gene: Welcome_93 Start: 51943, Stop: 51719, Start Num: 3
Candidate Starts for Welcome_93:
(2, 51955), (Start: 3 @51943 has 11 MA's), (4, 51802), (5, 51766),

Gene: Yuma_90 Start: 51452, Stop: 51228, Start Num: 3
Candidate Starts for Yuma_90:
(1, 51563), (2, 51464), (Start: 3 @51452 has 11 MA's), (4, 51311), (5, 51275),