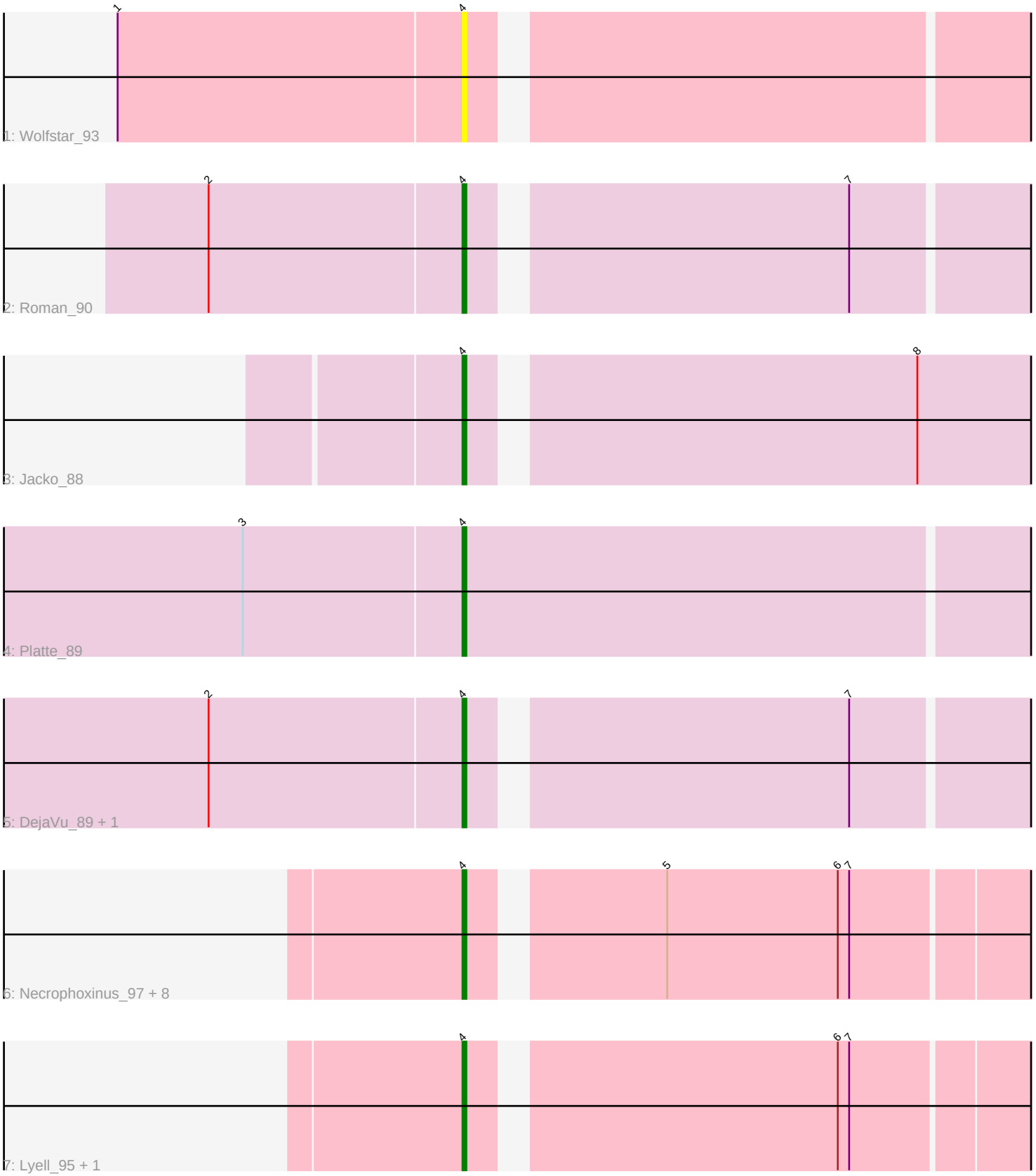
Pham 86849


1
4
1: Wolfstar_93
2
4
7
2: Roman_90
4
8
3: Jacko_88
3
4
4: Platte_89
2
4
7
5: DejaVu_89 + 1
4
5
6
7
6: Necrophoxinus_97 + 8
4
6
7
7: Lyell_95 + 1

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 86849 Report

This analysis was run 03/30/24 on database version 556.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 86849 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_93
• Track 2 : Roman_90
• Track 3 : Jacko_88
• Track 4 : Platte_89
• Track 5 : DejaVu_89, Hubbs_87
• Track 6 : Necrophoxinus_97, ASegato_93, DustyDino_99, Erenyeager_95, Yuma_94, Musetta_94, Fork_91, RunningBrook_98, Welcome_97
• Track 7 : Lyell_95, StevieWelch_95

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_93, DejaVu_89, DustyDino_99, Erenyeager_95, Fork_91, Hubbs_87, Jacko_88, Lyell_95, Musetta_94, Necrophoxinus_97, Platte_89, Roman_90, RunningBrook_98, StevieWelch_95, Welcome_97, Wolfstar_93, Yuma_94,

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 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14

• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_93 (ED2), DejaVu_89 (ED1), DustyDino_99 (ED2), Erenyeager_95 (ED2), Fork_91 (ED2), Hubbs_87 (ED1), Jacko_88 (ED1), Lyell_95 (ED2), Musetta_94 (ED2), Necrophoxinus_97 (ED2), Platte_89 (ED1), Roman_90 (ED1), RunningBrook_98 (ED2), StevieWelch_95 (ED2), Welcome_97 (ED2), Wolfstar_93 (ED), Yuma_94 (ED2),

Summary by clusters:

There are 3 clusters represented in this pham: ED2, ED, ED1,

Info for manual annotations of cluster ED1:
•Start number 4 was manually annotated 5 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_93 Start: 51891, Stop: 51751, Start Num: 4
Candidate Starts for ASegato_93:
(Start: 4 @51891 has 14 MA's), (5, 51846), (6, 51801), (7, 51798),

Gene: DejaVu_89 Start: 51284, Stop: 51144, Start Num: 4
Candidate Starts for DejaVu_89:
(2, 51350), (Start: 4 @51284 has 14 MA's), (7, 51191),

Gene: DustyDino_99 Start: 53030, Stop: 52890, Start Num: 4
Candidate Starts for DustyDino_99:
(Start: 4 @53030 has 14 MA's), (5, 52985), (6, 52940), (7, 52937),

Gene: Erenyeager_95 Start: 51819, Stop: 51679, Start Num: 4
Candidate Starts for Erenyeager_95:
(Start: 4 @51819 has 14 MA's), (5, 51774), (6, 51729), (7, 51726),

Gene: Fork_91 Start: 51769, Stop: 51629, Start Num: 4
Candidate Starts for Fork_91:
(Start: 4 @51769 has 14 MA's), (5, 51724), (6, 51679), (7, 51676),

Gene: Hubbs_87 Start: 51333, Stop: 51193, Start Num: 4
Candidate Starts for Hubbs_87:
(2, 51399), (Start: 4 @51333 has 14 MA's), (7, 51240),

Gene: Jacko_88 Start: 50475, Stop: 50332, Start Num: 4
Candidate Starts for Jacko_88:
(Start: 4 @50475 has 14 MA's), (8, 50364),

Gene: Lyell_95 Start: 51980, Stop: 51840, Start Num: 4
Candidate Starts for Lyell_95:
(Start: 4 @51980 has 14 MA's), (6, 51890), (7, 51887),

Gene: Musetta_94 Start: 52319, Stop: 52179, Start Num: 4
Candidate Starts for Musetta_94:
(Start: 4 @52319 has 14 MA's), (5, 52274), (6, 52229), (7, 52226),

Gene: Necrophoxinus_97 Start: 52666, Stop: 52526, Start Num: 4
Candidate Starts for Necrophoxinus_97:
(Start: 4 @52666 has 14 MA's), (5, 52621), (6, 52576), (7, 52573),

Gene: Platte_89 Start: 51842, Stop: 51693, Start Num: 4
Candidate Starts for Platte_89:
(3, 51899), (Start: 4 @51842 has 14 MA's),

Gene: Roman_90 Start: 51998, Stop: 51858, Start Num: 4
Candidate Starts for Roman_90:
(2, 52064), (Start: 4 @51998 has 14 MA's), (7, 51905),

Gene: RunningBrook_98 Start: 53030, Stop: 52890, Start Num: 4
Candidate Starts for RunningBrook_98:
(Start: 4 @53030 has 14 MA's), (5, 52985), (6, 52940), (7, 52937),

Gene: StevieWelch_95 Start: 51953, Stop: 51813, Start Num: 4
Candidate Starts for StevieWelch_95:
(Start: 4 @51953 has 14 MA's), (6, 51863), (7, 51860),

Gene: Welcome_97 Start: 52584, Stop: 52444, Start Num: 4
Candidate Starts for Welcome_97:
(Start: 4 @52584 has 14 MA's), (5, 52539), (6, 52494), (7, 52491),

Gene: Wolfstar_93 Start: 53211, Stop: 53071, Start Num: 4
Candidate Starts for Wolfstar_93:
(1, 53301), (Start: 4 @53211 has 14 MA's),

Gene: Yuma_94 Start: 51991, Stop: 51851, Start Num: 4
Candidate Starts for Yuma_94:
(Start: 4 @51991 has 14 MA's), (5, 51946), (6, 51901), (7, 51898),