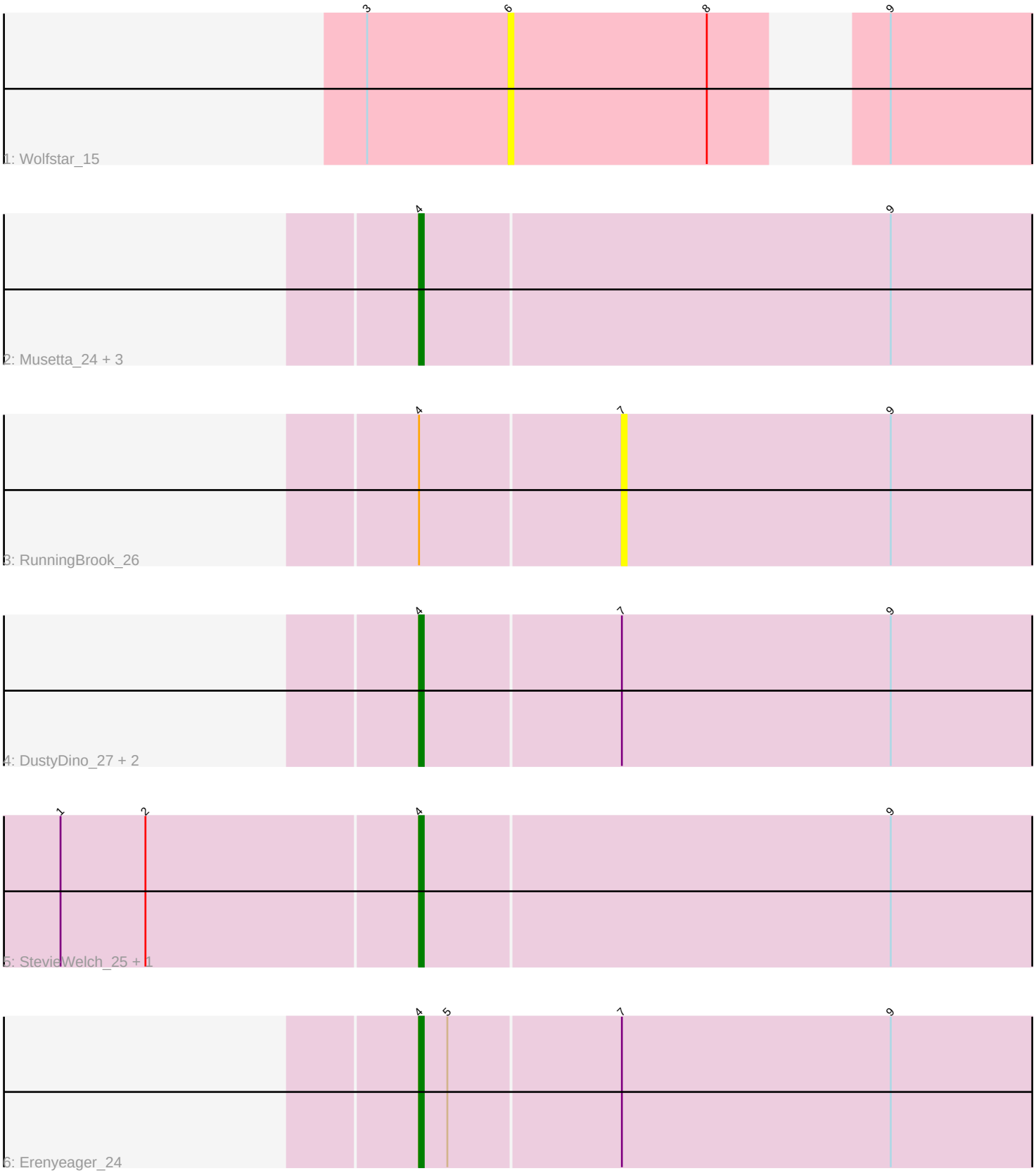
Pham 135972


3
6
8
9
1: Wolfstar_15
4
9
2: Musetta_24 + 3
4
7
9
3: RunningBrook_26
4
7
9
4: DustyDino_27 + 2
1
2
4
9
5: StevieWelch_25 + 1
4
5
7
9
6: Erenyeager_24

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 135972 Report

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

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 135972 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_15
• Track 2 : Musetta_24, Welcome_25, Yuma_24, Lyell_25
• Track 3 : RunningBrook_26
• Track 4 : DustyDino_27, Necrophoxinus_28, ASegato_24
• Track 5 : StevieWelch_25, Fork_22
• Track 6 : Erenyeager_24

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

Genes that call this "Most Annotated" start:
• ASegato_24, DustyDino_27, Erenyeager_24, Fork_22, Lyell_25, Musetta_24, Necrophoxinus_28, StevieWelch_25, Welcome_25, Yuma_24,

Genes that have the "Most Annotated" start but do not call it:
• RunningBrook_26,

Genes that do not have the "Most Annotated" start:
• Wolfstar_15,

Summary by start number:

Start 4:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 90.9% of time when present
• Phage (with cluster) where this start called: ASegato_24 (ED2), DustyDino_27 (ED2), Erenyeager_24 (ED2), Fork_22 (ED2), Lyell_25 (ED2), Musetta_24 (ED2),

Necrophoxinus_28 (ED2), StevieWelch_25 (ED2), Welcome_25 (ED2), Yuma_24 (ED2),

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wolfstar_15 (ED),

Start 7:
• Found in 5 of 12 (41.7%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: RunningBrook_26 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED,

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

Gene Information:

Gene: ASegato_24 Start: 7533, Stop: 7736, Start Num: 4
Candidate Starts for ASegato_24:
(Start: 4 @7533 has 9 MA's), (7, 7575), (9, 7632),

Gene: DustyDino_27 Start: 8236, Stop: 8439, Start Num: 4
Candidate Starts for DustyDino_27:
(Start: 4 @8236 has 9 MA's), (7, 8278), (9, 8335),

Gene: Erenyeager_24 Start: 7750, Stop: 7953, Start Num: 4
Candidate Starts for Erenyeager_24:
(Start: 4 @7750 has 9 MA's), (5, 7756), (7, 7792), (9, 7849),

Gene: Fork_22 Start: 7190, Stop: 7393, Start Num: 4
Candidate Starts for Fork_22:
(1, 7115), (2, 7133), (Start: 4 @7190 has 9 MA's), (9, 7289),

Gene: Lyell_25 Start: 7649, Stop: 7852, Start Num: 4
Candidate Starts for Lyell_25:
(Start: 4 @7649 has 9 MA's), (9, 7748),

Gene: Musetta_24 Start: 7727, Stop: 7930, Start Num: 4
Candidate Starts for Musetta_24:
(Start: 4 @7727 has 9 MA's), (9, 7826),

Gene: Necrophoxinus_28 Start: 8530, Stop: 8733, Start Num: 4
Candidate Starts for Necrophoxinus_28:

(Start: 4 @8530 has 9 MA's), (7, 8572), (9, 8629),

Gene: RunningBrook_26 Start: 8278, Stop: 8439, Start Num: 7
Candidate Starts for RunningBrook_26:
(Start: 4 @8236 has 9 MA's), (7, 8278), (9, 8335),

Gene: StevieWelch_25 Start: 7880, Stop: 8083, Start Num: 4
Candidate Starts for StevieWelch_25:
(1, 7805), (2, 7823), (Start: 4 @7880 has 9 MA's), (9, 7979),

Gene: Welcome_25 Start: 7723, Stop: 7926, Start Num: 4
Candidate Starts for Welcome_25:
(Start: 4 @7723 has 9 MA's), (9, 7822),

Gene: Wolfstar_15 Start: 5418, Stop: 5561, Start Num: 6
Candidate Starts for Wolfstar_15:
(3, 5388), (6, 5418), (8, 5460), (9, 5481),

Gene: Yuma_24 Start: 7626, Stop: 7829, Start Num: 4
Candidate Starts for Yuma_24:
(Start: 4 @7626 has 9 MA's), (9, 7725),