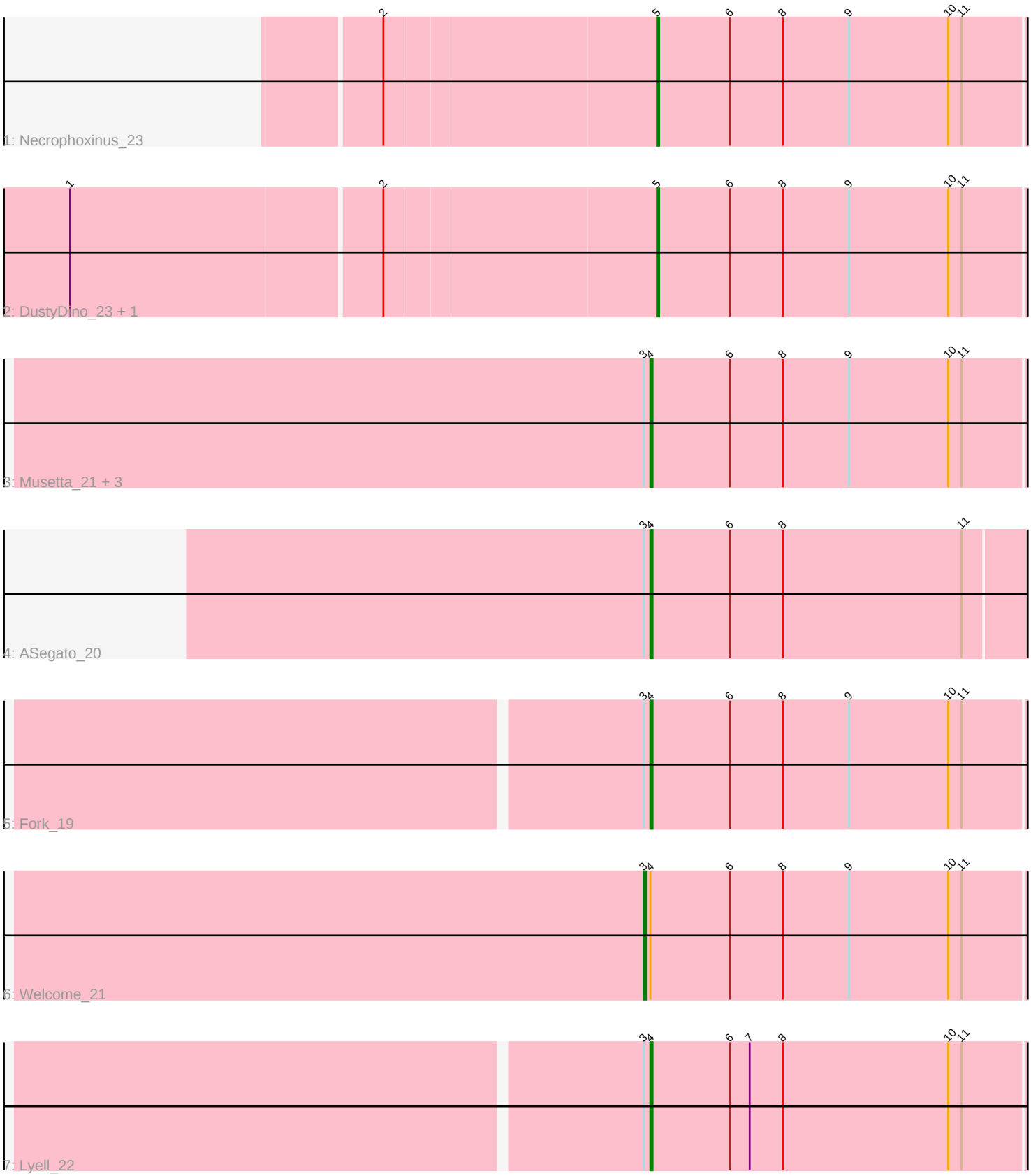
Pham 6358


2
5
6
8
9
10
11
1: Necrophoxinus_23
1
2
5
6
8
9
10
11
2: DustyDino_23 + 1
3
6
8
9
10
11
3: Musetta_21 + 3
3
6
8
11
4: ASegato_20
3
6
8
9
10
11
5: Fork_19
3
6
8
9
10
11
6: Welcome_21
3
6
7
8
10
11
7: Lyell_22

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 6358 Report

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

Pham number 6358 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Necrophoxinus_23
• Track 2 : DustyDino_23, RunningBrook_23
• Track 3 : Musetta_21, StevieWelch_22, Yuma_21, Erenyeager_20
• Track 4 : ASegato_20
• Track 5 : Fork_19
• Track 6 : Welcome_21
• Track 7 : Lyell_22

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_20, Erenyeager_20, Fork_19, Lyell_22, Musetta_21, StevieWelch_22, Yuma_21,

Genes that have the "Most Annotated" start but do not call it:
• Welcome_21,

Genes that do not have the "Most Annotated" start:
• DustyDino_23, Necrophoxinus_23, RunningBrook_23,

Summary by start number:

Start 3:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Welcome_21 (ED2),

Start 4:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 6 of 9

• Called 87.5% of time when present
• Phage (with cluster) where this start called: ASegato_20 (ED2), Erenyeager_20 (ED2), Fork_19 (ED2), Lyell_22 (ED2), Musetta_21 (ED2), StevieWelch_22 (ED2), Yuma_21 (ED2),

Start 5:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DustyDino_23 (ED2), Necrophoxinus_23 (ED2), RunningBrook_23 (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 1 time for cluster ED2.
•Start number 4 was manually annotated 6 times for cluster ED2.
•Start number 5 was manually annotated 2 times for cluster ED2.

Gene Information:

Gene: ASegato_20 Start: 6699, Stop: 6878, Start Num: 4
Candidate Starts for ASegato_20:
(Start: 3 @6696 has 1 MA's), (Start: 4 @6699 has 6 MA's), (6, 6735), (8, 6759), (11, 6840),

Gene: DustyDino_23 Start: 7345, Stop: 7518, Start Num: 5
Candidate Starts for DustyDino_23:
(1, 7087), (2, 7225), (Start: 5 @7345 has 2 MA's), (6, 7378), (8, 7402), (9, 7432), (10, 7477), (11, 7483),

Gene: Erenyeager_20 Start: 6617, Stop: 6793, Start Num: 4
Candidate Starts for Erenyeager_20:
(Start: 3 @6614 has 1 MA's), (Start: 4 @6617 has 6 MA's), (6, 6653), (8, 6677), (9, 6707), (10, 6752), (11, 6758),

Gene: Fork_19 Start: 6353, Stop: 6529, Start Num: 4
Candidate Starts for Fork_19:
(Start: 3 @6350 has 1 MA's), (Start: 4 @6353 has 6 MA's), (6, 6389), (8, 6413), (9, 6443), (10, 6488), (11, 6494),

Gene: Lyell_22 Start: 6815, Stop: 6991, Start Num: 4
Candidate Starts for Lyell_22:
(Start: 3 @6812 has 1 MA's), (Start: 4 @6815 has 6 MA's), (6, 6851), (7, 6860), (8, 6875), (10, 6950), (11, 6956),

Gene: Musetta_21 Start: 6833, Stop: 7009, Start Num: 4
Candidate Starts for Musetta_21:
(Start: 3 @6830 has 1 MA's), (Start: 4 @6833 has 6 MA's), (6, 6869), (8, 6893), (9, 6923), (10, 6968), (11, 6974),

Gene: Necrophoxinus_23 Start: 7427, Stop: 7600, Start Num: 5
Candidate Starts for Necrophoxinus_23:
(2, 7307), (Start: 5 @7427 has 2 MA's), (6, 7460), (8, 7484), (9, 7514), (10, 7559), (11, 7565),

Gene: RunningBrook_23 Start: 7345, Stop: 7518, Start Num: 5
Candidate Starts for RunningBrook_23:
(1, 7087), (2, 7225), (Start: 5 @7345 has 2 MA's), (6, 7378), (8, 7402), (9, 7432), (10, 7477), (11, 7483),

Gene: StevieWelch_22 Start: 6983, Stop: 7159, Start Num: 4
Candidate Starts for StevieWelch_22:
(Start: 3 @6980 has 1 MA's), (Start: 4 @6983 has 6 MA's), (6, 7019), (8, 7043), (9, 7073), (10, 7118), (11, 7124),

Gene: Welcome_21 Start: 6826, Stop: 7005, Start Num: 3
Candidate Starts for Welcome_21:
(Start: 3 @6826 has 1 MA's), (Start: 4 @6829 has 6 MA's), (6, 6865), (8, 6889), (9, 6919), (10, 6964), (11, 6970),

Gene: Yuma_21 Start: 6732, Stop: 6908, Start Num: 4
Candidate Starts for Yuma_21:
(Start: 3 @6729 has 1 MA's), (Start: 4 @6732 has 6 MA's), (6, 6768), (8, 6792), (9, 6822), (10, 6867), (11, 6873),