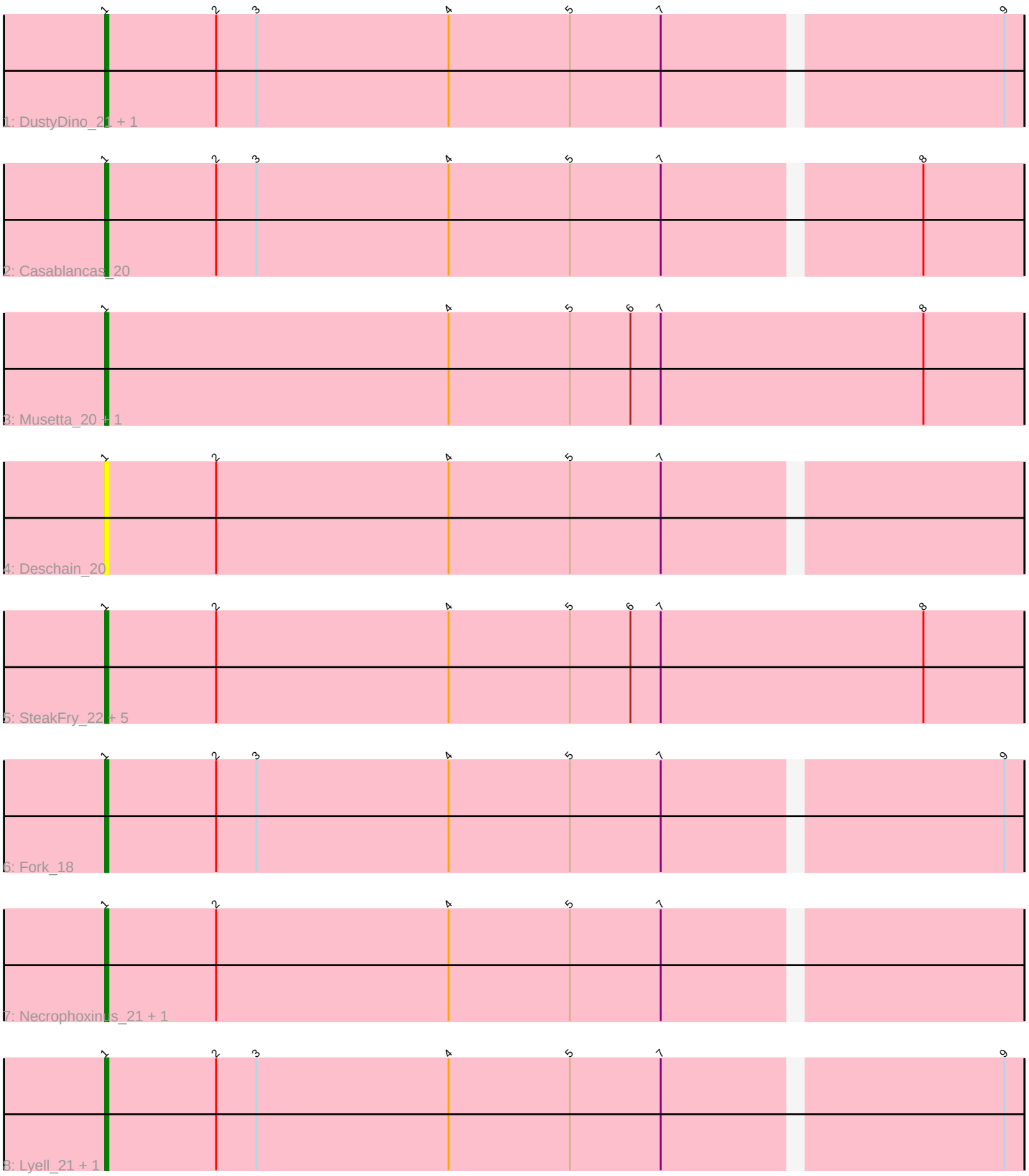
Pham 346224


1: DustyDino_20 + 1
2: Casablancas_20
3: Musetta_20 + 1
4: Deschain_20
5: SteakFry_22 + 5
6: Fork_18
7: Necrophoxinus_21 + 1
8: Lyell_21 + 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 346224 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346224 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DustyDino_21, RunningBrook_20
• Track 2 : Casablancas_20
• Track 3 : Musetta_20, StevieWelch_21
• Track 4 : Deschain_20
• Track 5 : SteakFry_22, Yuma_20, Erenyeager_19, Welcome_20, ASegato_19, HollowPurple_21
• Track 6 : Fork_18
• Track 7 : Necrophoxinus_21, Shroomer_21
• Track 8 : Lyell_21, Issa7_19

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_19, Casablancas_20, Deschain_20, DustyDino_21, Erenyeager_19, Fork_18, HollowPurple_21, Issa7_19, Lyell_21, Musetta_20, Necrophoxinus_21, RunningBrook_20, Shroomer_21, SteakFry_22, StevieWelch_21, Welcome_20, Yuma_20,

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 1:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present

• Phage (with cluster) where this start called: ASegato_19 (ED2), Casablancas_20 (ED2), Deschain_20 (ED2), DustyDino_21 (ED2), Erenyeager_19 (ED2), Fork_18 (ED2), HollowPurple_21 (ED2), Issa7_19 (ED2), Lyell_21 (ED2), Musetta_20 (ED2), Necrophoxinus_21 (ED2), RunningBrook_20 (ED2), Shroomer_21 (ED2), SteakFry_22 (ED2), StevieWelch_21 (ED2), Welcome_20 (ED2), Yuma_20 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 1 was manually annotated 15 times for cluster ED2.

Gene Information:

Gene: ASegato_19 Start: 6427, Stop: 6699, Start Num: 1
Candidate Starts for ASegato_19:
(Start: 1 @6427 has 15 MA's), (2, 6460), (4, 6529), (5, 6565), (6, 6583), (7, 6592), (8, 6670),

Gene: Casablancas_20 Start: 6373, Stop: 6639, Start Num: 1
Candidate Starts for Casablancas_20:
(Start: 1 @6373 has 15 MA's), (2, 6406), (3, 6418), (4, 6475), (5, 6511), (7, 6538), (8, 6610),

Gene: Deschain_20 Start: 6729, Stop: 6995, Start Num: 1
Candidate Starts for Deschain_20:
(Start: 1 @6729 has 15 MA's), (2, 6762), (4, 6831), (5, 6867), (7, 6894),

Gene: DustyDino_21 Start: 6828, Stop: 7094, Start Num: 1
Candidate Starts for DustyDino_21:
(Start: 1 @6828 has 15 MA's), (2, 6861), (3, 6873), (4, 6930), (5, 6966), (7, 6993), (9, 7089),

Gene: Erenyeager_19 Start: 6345, Stop: 6617, Start Num: 1
Candidate Starts for Erenyeager_19:
(Start: 1 @6345 has 15 MA's), (2, 6378), (4, 6447), (5, 6483), (6, 6501), (7, 6510), (8, 6588),

Gene: Fork_18 Start: 6087, Stop: 6353, Start Num: 1
Candidate Starts for Fork_18:
(Start: 1 @6087 has 15 MA's), (2, 6120), (3, 6132), (4, 6189), (5, 6225), (7, 6252), (9, 6348),

Gene: HollowPurple_21 Start: 6591, Stop: 6863, Start Num: 1
Candidate Starts for HollowPurple_21:
(Start: 1 @6591 has 15 MA's), (2, 6624), (4, 6693), (5, 6729), (6, 6747), (7, 6756), (8, 6834),

Gene: Issa7_19 Start: 6008, Stop: 6274, Start Num: 1
Candidate Starts for Issa7_19:
(Start: 1 @6008 has 15 MA's), (2, 6041), (3, 6053), (4, 6110), (5, 6146), (7, 6173), (9, 6269),

Gene: Lyell_21 Start: 6549, Stop: 6815, Start Num: 1
Candidate Starts for Lyell_21:
(Start: 1 @6549 has 15 MA's), (2, 6582), (3, 6594), (4, 6651), (5, 6687), (7, 6714), (9, 6810),

Gene: Musetta_20 Start: 6561, Stop: 6833, Start Num: 1
Candidate Starts for Musetta_20:
(Start: 1 @6561 has 15 MA's), (4, 6663), (5, 6699), (6, 6717), (7, 6726), (8, 6804),

Gene: Necrophoxinus_21 Start: 6910, Stop: 7176, Start Num: 1
Candidate Starts for Necrophoxinus_21:
(Start: 1 @6910 has 15 MA's), (2, 6943), (4, 7012), (5, 7048), (7, 7075),

Gene: RunningBrook_20 Start: 6828, Stop: 7094, Start Num: 1
Candidate Starts for RunningBrook_20:
(Start: 1 @6828 has 15 MA's), (2, 6861), (3, 6873), (4, 6930), (5, 6966), (7, 6993), (9, 7089),

Gene: Shroomer_21 Start: 6143, Stop: 6409, Start Num: 1
Candidate Starts for Shroomer_21:
(Start: 1 @6143 has 15 MA's), (2, 6176), (4, 6245), (5, 6281), (7, 6308),

Gene: SteakFry_22 Start: 6591, Stop: 6863, Start Num: 1
Candidate Starts for SteakFry_22:
(Start: 1 @6591 has 15 MA's), (2, 6624), (4, 6693), (5, 6729), (6, 6747), (7, 6756), (8, 6834),

Gene: StevieWelch_21 Start: 6711, Stop: 6983, Start Num: 1
Candidate Starts for StevieWelch_21:
(Start: 1 @6711 has 15 MA's), (4, 6813), (5, 6849), (6, 6867), (7, 6876), (8, 6954),

Gene: Welcome_20 Start: 6557, Stop: 6829, Start Num: 1
Candidate Starts for Welcome_20:
(Start: 1 @6557 has 15 MA's), (2, 6590), (4, 6659), (5, 6695), (6, 6713), (7, 6722), (8, 6800),

Gene: Yuma_20 Start: 6460, Stop: 6732, Start Num: 1
Candidate Starts for Yuma_20:
(Start: 1 @6460 has 15 MA's), (2, 6493), (4, 6562), (5, 6598), (6, 6616), (7, 6625), (8, 6703),