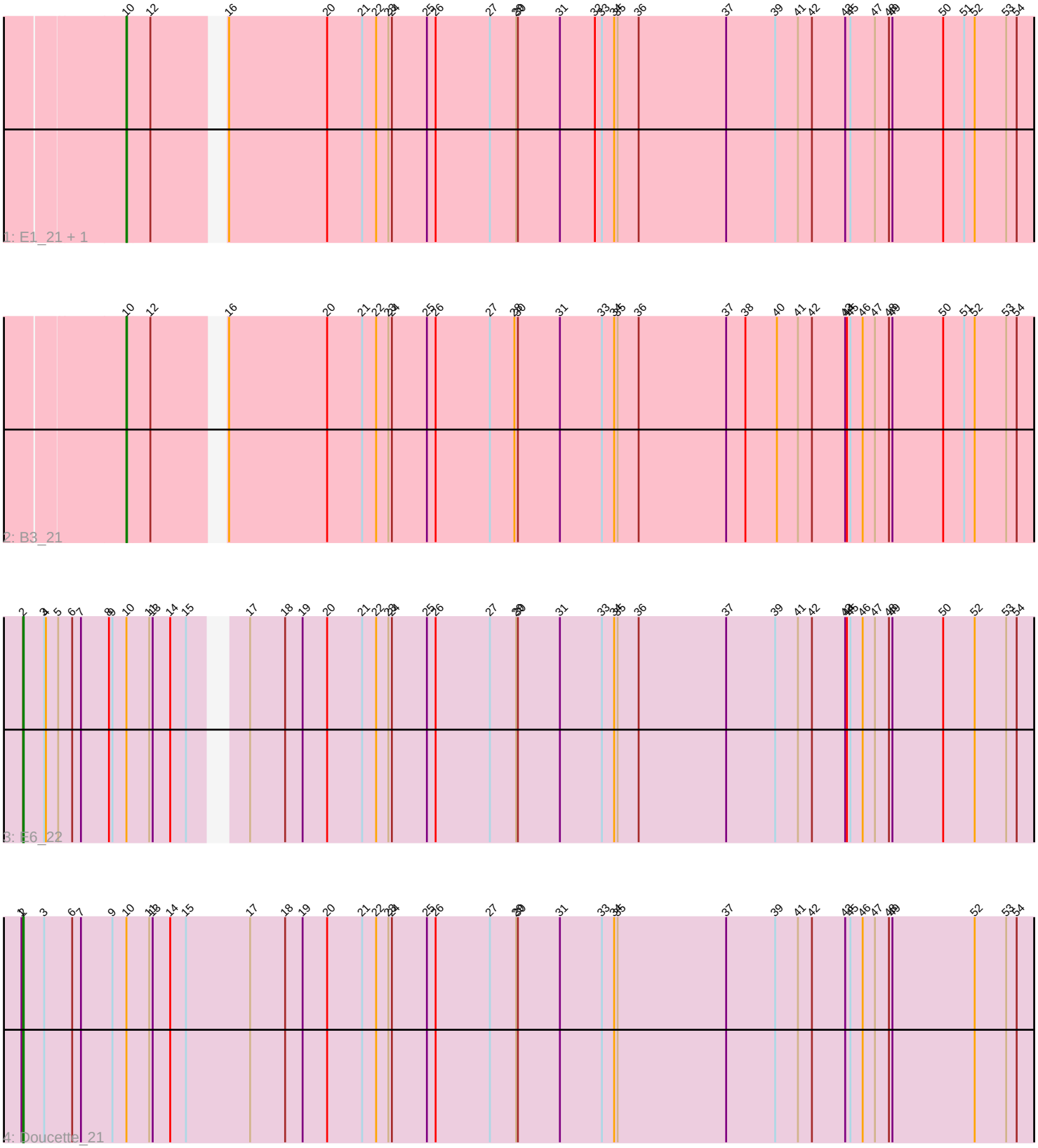
Pham 107226



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 107226 Report

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

Pham number 107226 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : E1_21, Anatole_21
• Track 2 : B3_21
• Track 3 : E6_22
• Track 4 : Doucette_21

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anatole_21, B3_21, E1_21,

Genes that have the "Most Annotated" start but do not call it:
• Doucette_21, E6_22,

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

Summary by start number:

Start 2:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Doucette_21 (BW), E6_22 (BW),

Start 10:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Anatole_21 (BV), B3_21 (BV), E1_21 (BV),

Summary by clusters:

There are 2 clusters represented in this pham: BV, BW,

Info for manual annotations of cluster BV:
•Start number 10 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:
•Start number 2 was manually annotated 2 times for cluster BW.

Gene Information:

Gene: Anatole_21 Start: 16833, Stop: 18353, Start Num: 10
Candidate Starts for Anatole_21:
(Start: 10 @16833 has 3 MA's), (12, 16872), (16, 16971), (20, 17139), (21, 17199), (22, 17223), (23, 17244), (24, 17250), (25, 17310), (26, 17325), (27, 17418), (29, 17463), (30, 17466), (31, 17538), (32, 17598), (33, 17610), (34, 17631), (35, 17637), (36, 17673), (37, 17823), (39, 17907), (41, 17946), (42, 17970), (43, 18027), (45, 18036), (47, 18078), (48, 18102), (49, 18108), (50, 18195), (51, 18231), (52, 18249), (53, 18303), (54, 18321),

Gene: B3_21 Start: 16836, Stop: 18356, Start Num: 10
Candidate Starts for B3_21:
(Start: 10 @16836 has 3 MA's), (12, 16875), (16, 16974), (20, 17142), (21, 17202), (22, 17226), (23, 17247), (24, 17253), (25, 17313), (26, 17328), (27, 17421), (28, 17463), (30, 17469), (31, 17541), (33, 17613), (34, 17634), (35, 17640), (36, 17676), (37, 17826), (38, 17859), (40, 17913), (41, 17949), (42, 17973), (43, 18030), (44, 18033), (45, 18039), (46, 18060), (47, 18081), (48, 18105), (49, 18111), (50, 18198), (51, 18234), (52, 18252), (53, 18306), (54, 18324),

Gene: Doucette_21 Start: 16796, Stop: 18529, Start Num: 2
Candidate Starts for Doucette_21:
(1, 16793), (Start: 2 @16796 has 2 MA's), (3, 16832), (6, 16880), (7, 16895), (9, 16949), (Start: 10 @16973 has 3 MA's), (11, 17012), (13, 17018), (14, 17048), (15, 17075), (17, 17183), (18, 17243), (19, 17273), (20, 17315), (21, 17375), (22, 17399), (23, 17420), (24, 17426), (25, 17486), (26, 17501), (27, 17594), (29, 17639), (30, 17642), (31, 17714), (33, 17786), (34, 17807), (35, 17813), (37, 17999), (39, 18083), (41, 18122), (42, 18146), (43, 18203), (45, 18212), (46, 18233), (47, 18254), (48, 18278), (49, 18284), (52, 18425), (53, 18479), (54, 18497),

Gene: E1_21 Start: 16833, Stop: 18353, Start Num: 10
Candidate Starts for E1_21:
(Start: 10 @16833 has 3 MA's), (12, 16872), (16, 16971), (20, 17139), (21, 17199), (22, 17223), (23, 17244), (24, 17250), (25, 17310), (26, 17325), (27, 17418), (29, 17463), (30, 17466), (31, 17538), (32, 17598), (33, 17610), (34, 17631), (35, 17637), (36, 17673), (37, 17823), (39, 17907), (41, 17946), (42, 17970), (43, 18027), (45, 18036), (47, 18078), (48, 18102), (49, 18108), (50, 18195), (51, 18231), (52, 18249), (53, 18303), (54, 18321),

Gene: E6_22 Start: 16844, Stop: 18535, Start Num: 2
Candidate Starts for E6_22:
(Start: 2 @16844 has 2 MA's), (3, 16880), (4, 16883), (5, 16904), (6, 16928), (7, 16943), (8, 16991), (9, 16997), (Start: 10 @17021 has 3 MA's), (11, 17060), (13, 17066), (14, 17096), (15, 17123), (17, 17189), (18, 17249), (19, 17279), (20, 17321), (21, 17381), (22, 17405), (23, 17426), (24, 17432), (25, 17492), (26, 17507), (27, 17600), (29, 17645), (30, 17648), (31, 17720), (33, 17792), (34, 17813), (35,

17819), (36, 17855), (37, 18005), (39, 18089), (41, 18128), (42, 18152), (43, 18209), (44, 18212), (45, 18218), (46, 18239), (47, 18260), (48, 18284), (49, 18290), (50, 18377), (52, 18431), (53, 18485), (54, 18503),