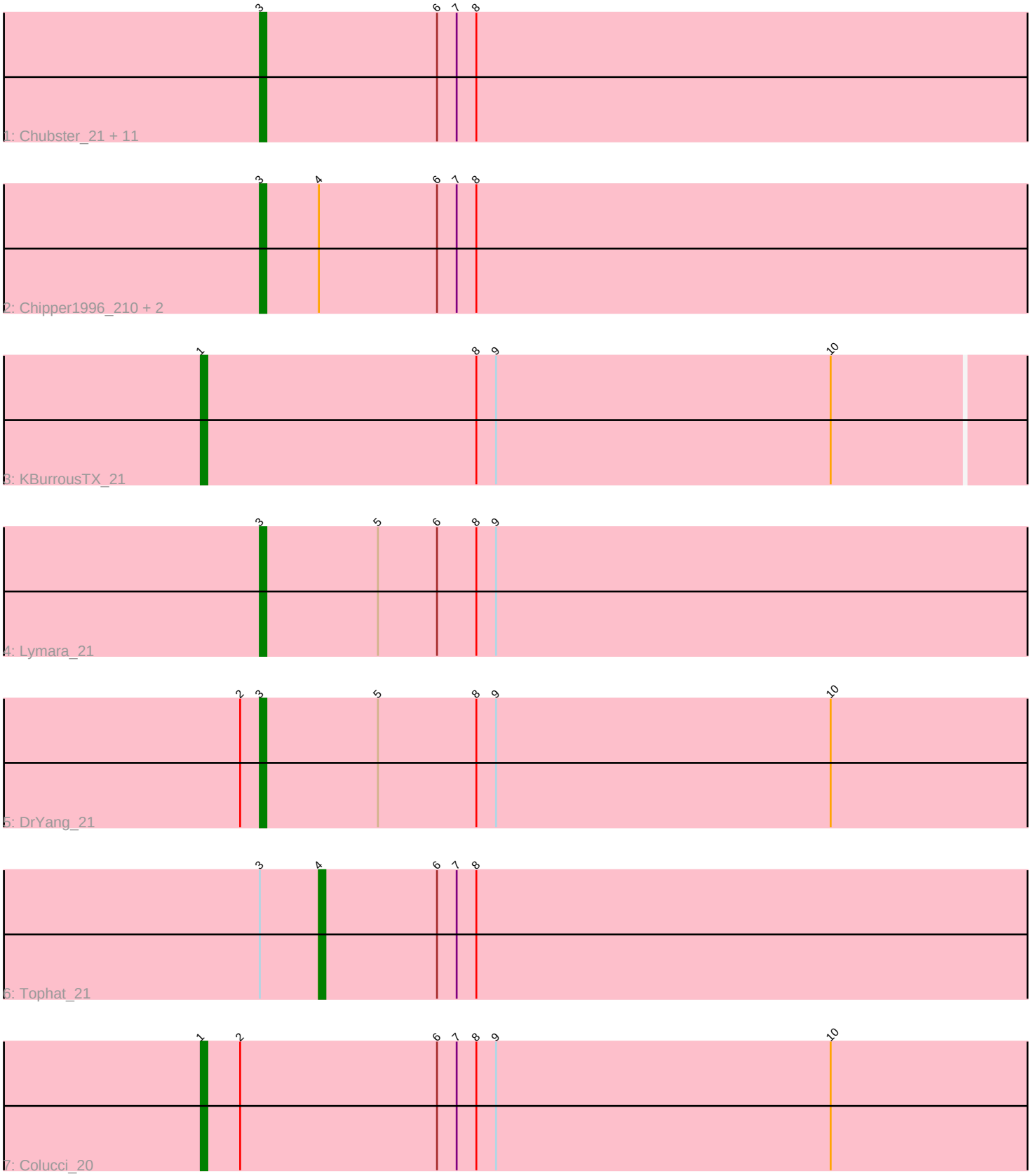
Pham 348056


3
6
7
8
1: Chubster_21 + 11
3
4
6
7
8
2: Chipper1996_210 + 2
1
8
9
10
3: KBurrousTX_21
3
5
6
8
9
4: Lymara_21
2
3
5
8
9
10
5: DrYang_21
3
4
6
7
8
6: Tophat_21
1
2
6
7
8
9
10
7: Colucci_20

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 348056 Report

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

Pham number 348056 has 20 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Chubster_21, PrincessTrina_21, RosiePosie_21, Kabreeze_21, Linus_21, JayCookie_21, JaNo_21, Chocolat_21, HumptyDumpty_21, MoyaNatalis_21, Scavito_21, Mordred_21
• Track 2 : Chipper1996_210, EdgarPoe_21, Conboy_21
• Track 3 : KBurrousTX_21
• Track 4 : Lymara_21
• Track 5 : DrYang_21
• Track 6 : Tophat_21
• Track 7 : Colucci_20

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

The start number called the most often in the published annotations is 3, it was called in 16 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chipper1996_210, Chocolat_21, Chubster_21, Conboy_21, DrYang_21, EdgarPoe_21, HumptyDumpty_21, JaNo_21, JayCookie_21, Kabreeze_21, Linus_21, Lymara_21, Mordred_21, MoyaNatalis_21, PrincessTrina_21, RosiePosie_21, Scavito_21,

Genes that have the "Most Annotated" start but do not call it:
• Tophat_21,

Genes that do not have the "Most Annotated" start:
• Colucci_20, KBurrousTX_21,

Summary by start number:

Start 1:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Colucci_20 (AR), KBurrousTX_21 (AR),

Start 3:
• Found in 18 of 20 (90.0%) of genes in pham
• Manual Annotations of this start: 16 of 19
• Called 94.4% of time when present
• Phage (with cluster) where this start called: Chipper1996_210 (AR), Chocolat_21 (AR), Chubster_21 (AR), Conboy_21 (AR), DrYang_21 (AR), EdgarPoe_21 (AR), HumptyDumpty_21 (AR), JaNo_21 (AR), JayCookie_21 (AR), Kabreeze_21 (AR), Linus_21 (AR), Lymara_21 (AR), Mordred_21 (AR), MoyaNatalis_21 (AR), PrincessTrina_21 (AR), RosiePosie_21 (AR), Scavito_21 (AR),

Start 4:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Tophat_21 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:
•Start number 1 was manually annotated 2 times for cluster AR.
•Start number 3 was manually annotated 16 times for cluster AR.
•Start number 4 was manually annotated 1 time for cluster AR.

Gene Information:

Gene: Chipper1996_210 Start: 15576, Stop: 15713, Start Num: 3
Candidate Starts for Chipper1996_210:
(Start: 3 @15576 has 16 MA's), (Start: 4 @15585 has 1 MA's), (6, 15603), (7, 15606), (8, 15609),

Gene: Chocolat_21 Start: 15577, Stop: 15714, Start Num: 3
Candidate Starts for Chocolat_21:
(Start: 3 @15577 has 16 MA's), (6, 15604), (7, 15607), (8, 15610),

Gene: Chubster_21 Start: 15347, Stop: 15484, Start Num: 3
Candidate Starts for Chubster_21:
(Start: 3 @15347 has 16 MA's), (6, 15374), (7, 15377), (8, 15380),

Gene: Colucci_20 Start: 15043, Stop: 15183, Start Num: 1
Candidate Starts for Colucci_20:
(Start: 1 @15043 has 2 MA's), (2, 15049), (6, 15079), (7, 15082), (8, 15085), (9, 15088), (10, 15139),

Gene: Conboy_21 Start: 15575, Stop: 15712, Start Num: 3
Candidate Starts for Conboy_21:
(Start: 3 @15575 has 16 MA's), (Start: 4 @15584 has 1 MA's), (6, 15602), (7, 15605), (8, 15608),

Gene: DrYang_21 Start: 15543, Stop: 15677, Start Num: 3
Candidate Starts for DrYang_21:
(2, 15540), (Start: 3 @15543 has 16 MA's), (5, 15561), (8, 15576), (9, 15579), (10, 15630),

Gene: EdgarPoe_21 Start: 15575, Stop: 15712, Start Num: 3
Candidate Starts for EdgarPoe_21:
(Start: 3 @15575 has 16 MA's), (Start: 4 @15584 has 1 MA's), (6, 15602), (7, 15605), (8, 15608),

Gene: HumptyDumpty_21 Start: 15574, Stop: 15711, Start Num: 3
Candidate Starts for HumptyDumpty_21:
(Start: 3 @15574 has 16 MA's), (6, 15601), (7, 15604), (8, 15607),

Gene: JaNo_21 Start: 15574, Stop: 15711, Start Num: 3
Candidate Starts for JaNo_21:
(Start: 3 @15574 has 16 MA's), (6, 15601), (7, 15604), (8, 15607),

Gene: JayCookie_21 Start: 15577, Stop: 15714, Start Num: 3
Candidate Starts for JayCookie_21:
(Start: 3 @15577 has 16 MA's), (6, 15604), (7, 15607), (8, 15610),

Gene: KBurrousTX_21 Start: 15369, Stop: 15512, Start Num: 1
Candidate Starts for KBurrousTX_21:
(Start: 1 @15369 has 2 MA's), (8, 15411), (9, 15414), (10, 15465),

Gene: Kabreeze_21 Start: 15574, Stop: 15711, Start Num: 3
Candidate Starts for Kabreeze_21:
(Start: 3 @15574 has 16 MA's), (6, 15601), (7, 15604), (8, 15607),

Gene: Linus_21 Start: 15574, Stop: 15711, Start Num: 3
Candidate Starts for Linus_21:
(Start: 3 @15574 has 16 MA's), (6, 15601), (7, 15604), (8, 15607),

Gene: Lymara_21 Start: 15575, Stop: 15709, Start Num: 3
Candidate Starts for Lymara_21:
(Start: 3 @15575 has 16 MA's), (5, 15593), (6, 15602), (8, 15608), (9, 15611),

Gene: Mordred_21 Start: 15574, Stop: 15711, Start Num: 3
Candidate Starts for Mordred_21:
(Start: 3 @15574 has 16 MA's), (6, 15601), (7, 15604), (8, 15607),

Gene: MoyaNatalis_21 Start: 15577, Stop: 15714, Start Num: 3
Candidate Starts for MoyaNatalis_21:
(Start: 3 @15577 has 16 MA's), (6, 15604), (7, 15607), (8, 15610),

Gene: PrincessTrina_21 Start: 15577, Stop: 15714, Start Num: 3
Candidate Starts for PrincessTrina_21:
(Start: 3 @15577 has 16 MA's), (6, 15604), (7, 15607), (8, 15610),

Gene: RosiePosie_21 Start: 15577, Stop: 15714, Start Num: 3
Candidate Starts for RosiePosie_21:
(Start: 3 @15577 has 16 MA's), (6, 15604), (7, 15607), (8, 15610),

Gene: Scavito_21 Start: 15574, Stop: 15711, Start Num: 3
Candidate Starts for Scavito_21:
(Start: 3 @15574 has 16 MA's), (6, 15601), (7, 15604), (8, 15607),

Gene: Tophat_21 Start: 15585, Stop: 15713, Start Num: 4
Candidate Starts for Tophat_21:
(Start: 3 @15576 has 16 MA's), (Start: 4 @15585 has 1 MA's), (6, 15603), (7, 15606), (8, 15609),