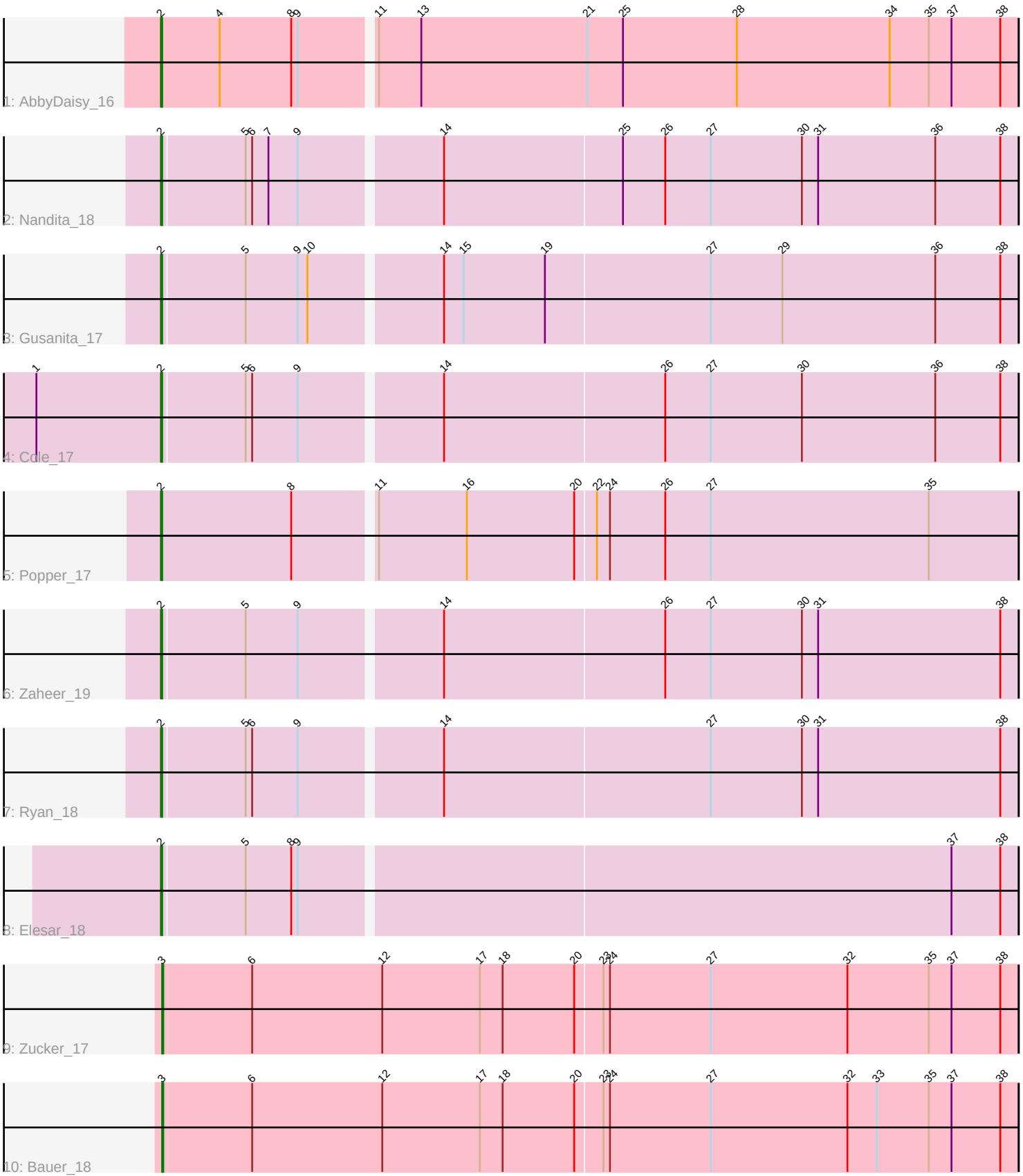
Pham 6727


1: AbbyDaisy_16
2: Nandita_18
3: Gusanita_17
4: Cole_17
5: Popper_17
6: Zaheer_19
7: Ryan_18
8: Elesar_18
9: Zucker_17
10: Bauer_18

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 6727 Report

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

Pham number 6727 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : AbbyDaisy_16
• Track 2 : Nandita_18
• Track 3 : Gusanita_17
• Track 4 : Cole_17
• Track 5 : Popper_17
• Track 6 : Zaheer_19
• Track 7 : Ryan_18
• Track 8 : Elesar_18
• Track 9 : Zucker_17
• Track 10 : Bauer_18

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_16, Cole_17, Elesar_18, Gusanita_17, Nandita_18, Popper_17, Ryan_18, Zaheer_19,

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

Genes that do not have the "Most Annotated" start:
• Bauer_18, Zucker_17,

Summary by start number:

Start 2:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_16 (AY), Cole_17 (FF), Elesar_18 (FF), Gusanita_17 (FF), Nandita_18 (FF), Popper_17 (FF), Ryan_18 (FF),

Zaheer_19 (FF),

Start 3:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bauer_18 (FN), Zucker_17 (FN),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FN, FF,

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FF:
•Start number 2 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FN:
•Start number 3 was manually annotated 2 times for cluster FN.

Gene Information:

Gene: AbbyDaisy_16 Start: 8816, Stop: 9594, Start Num: 2
Candidate Starts for AbbyDaisy_16:
(Start: 2 @8816 has 8 MA's), (4, 8870), (8, 8936), (9, 8942), (11, 9005), (13, 9044), (21, 9197), (25, 9230), (28, 9335), (34, 9476), (35, 9512), (37, 9533), (38, 9578),

Gene: Bauer_18 Start: 10188, Stop: 10972, Start Num: 3
Candidate Starts for Bauer_18:
(Start: 3 @10188 has 2 MA's), (6, 10269), (12, 10389), (17, 10479), (18, 10500), (20, 10566), (23, 10590), (24, 10596), (27, 10689), (32, 10815), (33, 10842), (35, 10890), (37, 10911), (38, 10956),

Gene: Cole_17 Start: 9866, Stop: 10638, Start Num: 2
Candidate Starts for Cole_17:
(1, 9752), (Start: 2 @9866 has 8 MA's), (5, 9941), (6, 9947), (9, 9989), (14, 10112), (26, 10313), (27, 10355), (30, 10439), (36, 10562), (38, 10622),

Gene: Elesar_18 Start: 10249, Stop: 11021, Start Num: 2
Candidate Starts for Elesar_18:
(Start: 2 @10249 has 8 MA's), (5, 10324), (8, 10366), (9, 10372), (37, 10960), (38, 11005),

Gene: Gusanita_17 Start: 10082, Stop: 10854, Start Num: 2
Candidate Starts for Gusanita_17:
(Start: 2 @10082 has 8 MA's), (5, 10157), (9, 10205), (10, 10214), (14, 10328), (15, 10346), (19, 10421), (27, 10571), (29, 10637), (36, 10778), (38, 10838),

Gene: Nandita_18 Start: 10191, Stop: 10963, Start Num: 2
Candidate Starts for Nandita_18:
(Start: 2 @10191 has 8 MA's), (5, 10266), (6, 10272), (7, 10287), (9, 10314), (14, 10437), (25, 10599), (26, 10638), (27, 10680), (30, 10764), (31, 10779), (36, 10887), (38, 10947),

Gene: Popper_17 Start: 9718, Stop: 10493, Start Num: 2
Candidate Starts for Popper_17:
(Start: 2 @9718 has 8 MA's), (8, 9838), (11, 9907), (16, 9988), (20, 10087), (22, 10105), (24, 10117), (26, 10168), (27, 10210), (35, 10411),

Gene: Ryan_18 Start: 10337, Stop: 11109, Start Num: 2
Candidate Starts for Ryan_18:
(Start: 2 @10337 has 8 MA's), (5, 10412), (6, 10418), (9, 10460), (14, 10583), (27, 10826), (30, 10910), (31, 10925), (38, 11093),

Gene: Zaheer_19 Start: 10426, Stop: 11198, Start Num: 2
Candidate Starts for Zaheer_19:
(Start: 2 @10426 has 8 MA's), (5, 10501), (9, 10549), (14, 10672), (26, 10873), (27, 10915), (30, 10999), (31, 11014), (38, 11182),

Gene: Zucker_17 Start: 9501, Stop: 10285, Start Num: 3
Candidate Starts for Zucker_17:
(Start: 3 @9501 has 2 MA's), (6, 9582), (12, 9702), (17, 9792), (18, 9813), (20, 9879), (23, 9903), (24, 9909), (27, 10002), (32, 10128), (35, 10203), (37, 10224), (38, 10269),