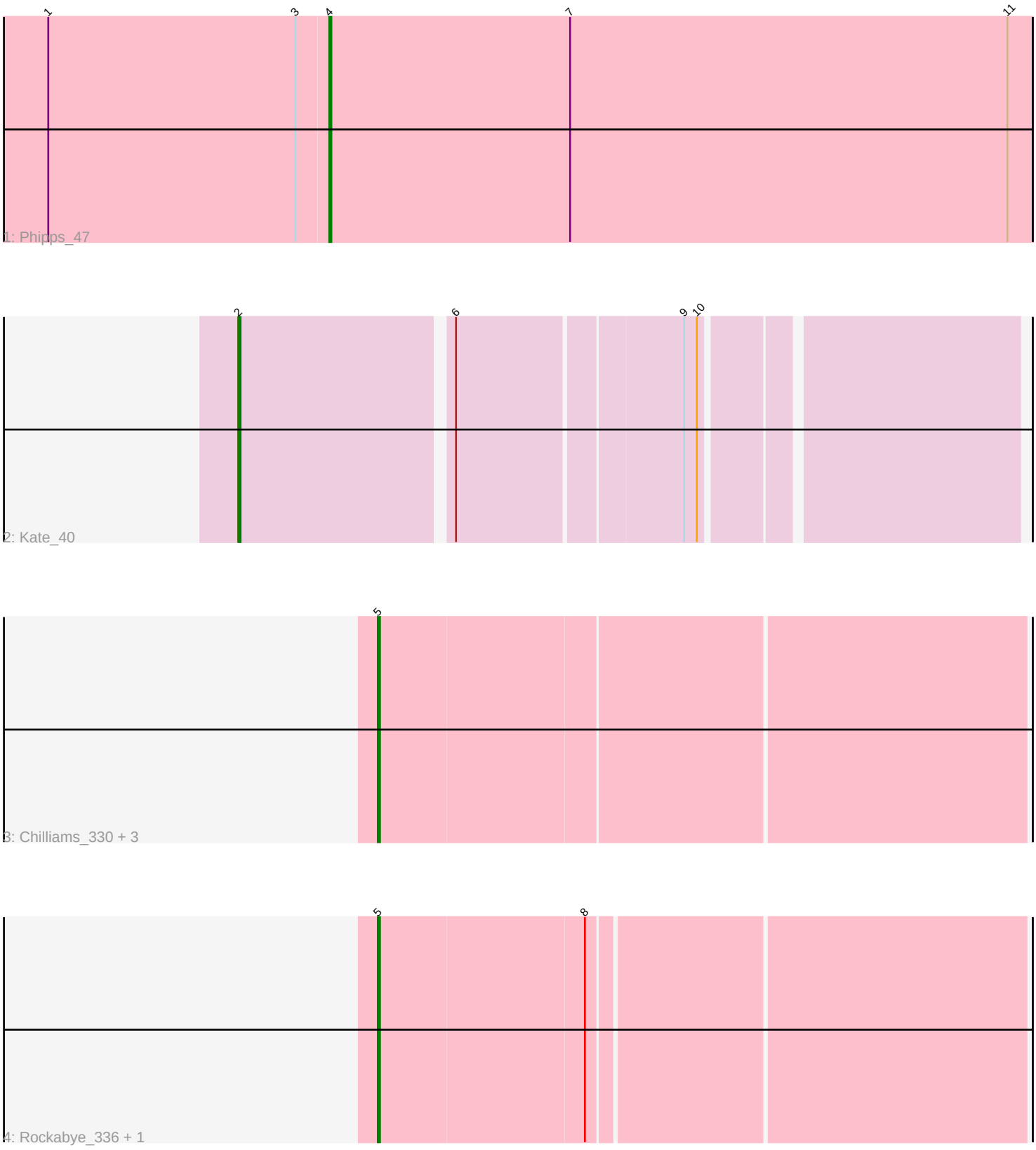
Pham 309919


1
3
4
7
11
1: Phipps_47
2
6
9
10
2: Kate_40
5
3: Chilliams_330 + 3
5
8
4: Rockabye_336 + 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 309919 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309919 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phipps_47
• Track 2 : Kate_40
• Track 3 : Chilliams_330, SJReid_351, Chilliams_39, SJReid_42
• Track 4 : Rockabye_336, Rockabye_39

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chilliams_330, Chilliams_39, Rockabye_336, Rockabye_39, SJReid_351, SJReid_42,

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

Genes that do not have the "Most Annotated" start:
• Kate_40, Phipps_47,

Summary by start number:

Start 2:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kate_40 (EF),

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phipps_47 (B1),

Start 5:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chilliams_330 (FC), Chilliams_39 (FC), Rockabye_336 (FC), Rockabye_39 (FC), SJReid_351 (FC), SJReid_42 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: FC, B1, EF,

Info for manual annotations of cluster B1:
•Start number 4 was manually annotated 1 time for cluster B1.

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

Info for manual annotations of cluster FC:
•Start number 5 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: Chilliams_330 Start: 190083, Stop: 189784, Start Num: 5
Candidate Starts for Chilliams_330:
(Start: 5 @190083 has 4 MA's),

Gene: Chilliams_39 Start: 17349, Stop: 17050, Start Num: 5
Candidate Starts for Chilliams_39:
(Start: 5 @17349 has 4 MA's),

Gene: Kate_40 Start: 25602, Stop: 25946, Start Num: 2
Candidate Starts for Kate_40:
(Start: 2 @25602 has 1 MA's), (6, 25698), (9, 25800), (10, 25806),

Gene: Phipps_47 Start: 40031, Stop: 39699, Start Num: 4
Candidate Starts for Phipps_47:
(1, 40163), (3, 40046), (Start: 4 @40031 has 1 MA's), (7, 39917), (11, 39710),

Gene: Rockabye_336 Start: 190257, Stop: 189961, Start Num: 5
Candidate Starts for Rockabye_336:
(Start: 5 @190257 has 4 MA's), (8, 190161),

Gene: Rockabye_39 Start: 17644, Stop: 17348, Start Num: 5
Candidate Starts for Rockabye_39:
(Start: 5 @17644 has 4 MA's), (8, 17548),

Gene: SJReid_351 Start: 191133, Stop: 190837, Start Num: 5
Candidate Starts for SJReid_351:
(Start: 5 @191133 has 4 MA's),

Gene: SJReid_42 Start: 18294, Stop: 17998, Start Num: 5

Candidate Starts for SJReid_42:
(Start: 5 @18294 has 4 MA's),