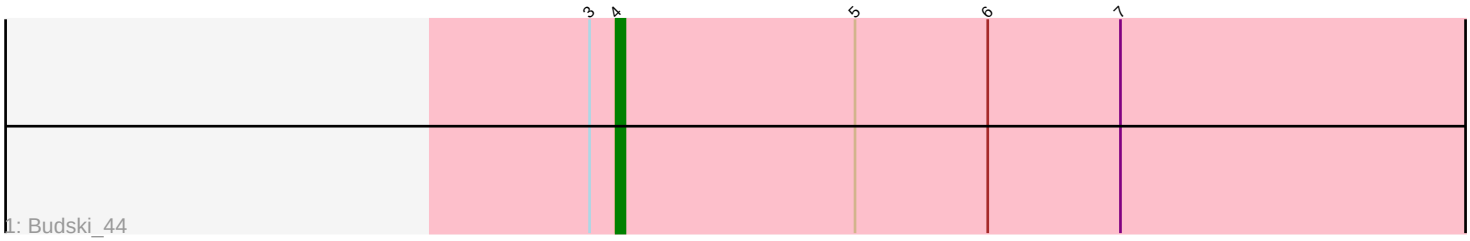
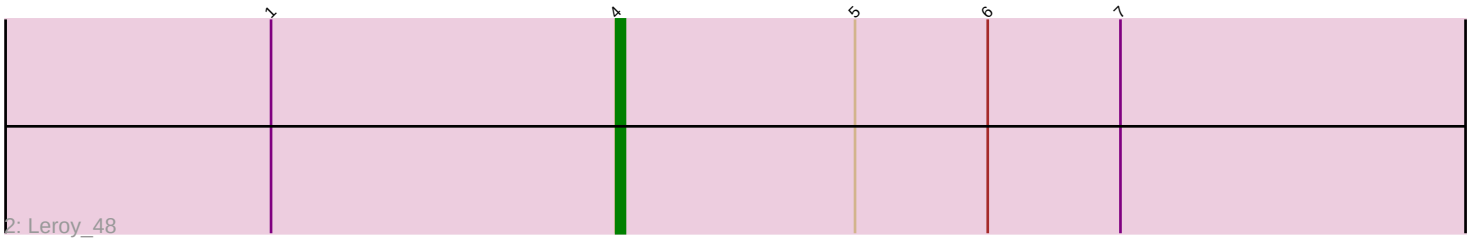
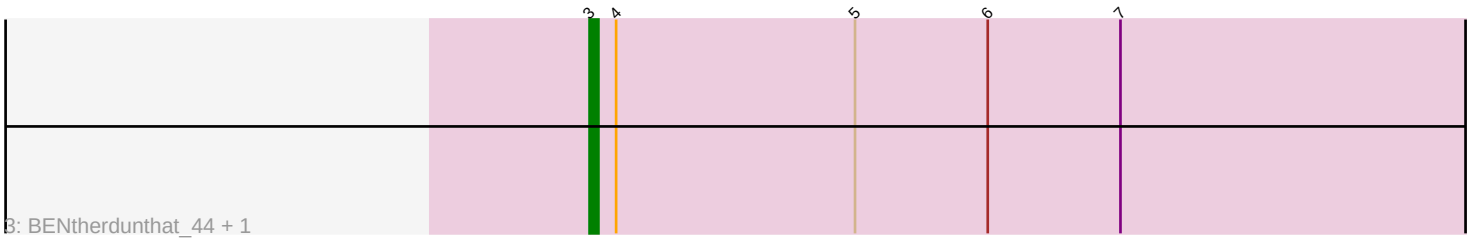
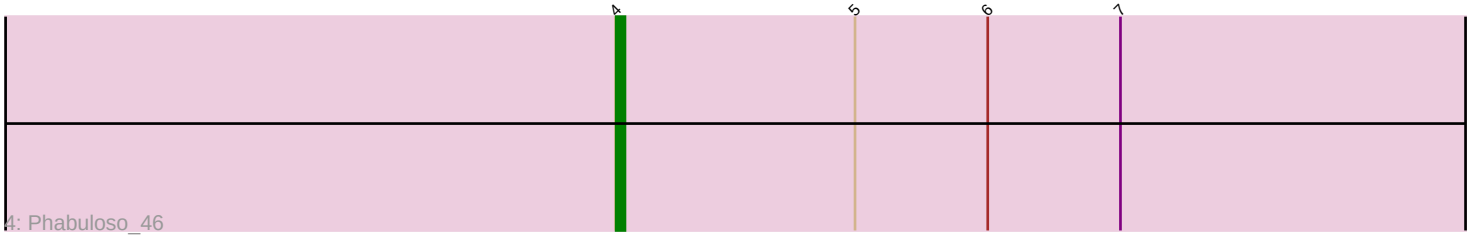
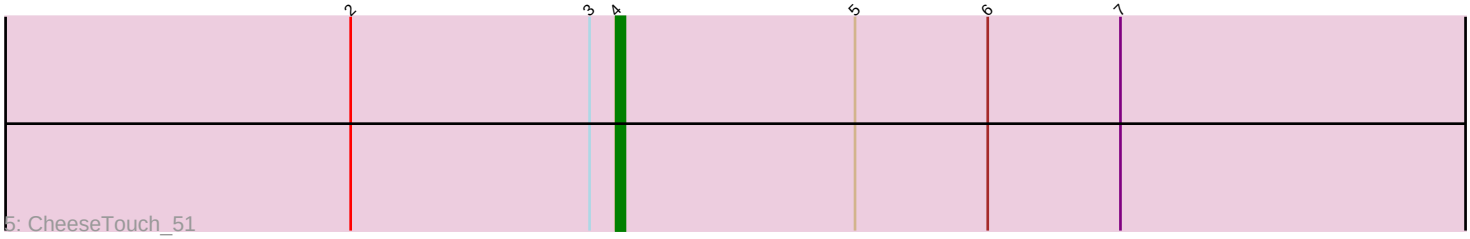
Pham 7514

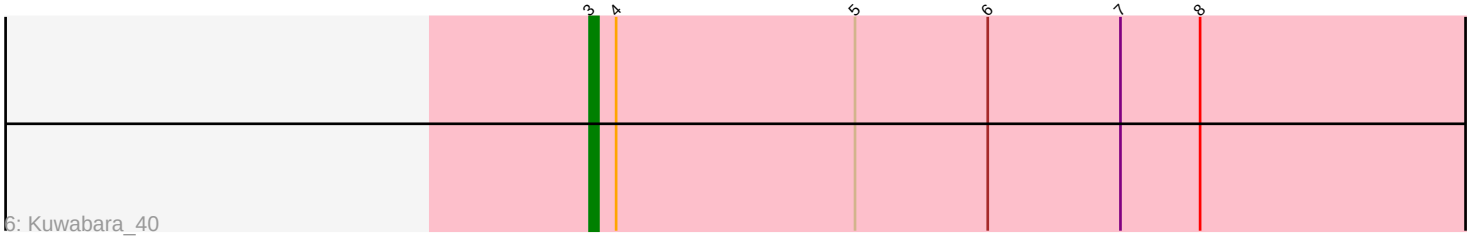

3
4
5
6
7
1: Budski_44


1
4
5
6
7
2: Leroy_48


3
4
5
6
7
3: BENtherdunthat_44 + 1


4
5
6
7
4: Phabuloso_46


2
3
4
5
6
7
5: CheeseTouch_51


3
4
5
6
7
8
6: Kuwabara_40

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 7514 Report

This analysis was run 04/12/24 on database version 558.

Pham number 7514 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Budski_44
• Track 2 : Leroy_48
• Track 3 : BENtherdunthat_44, Whitney_47
• Track 4 : Phabuloso_46
• Track 5 : CheeseTouch_51
• Track 6 : Kuwabara_40

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Budski_44, CheeseTouch_51, Leroy_48, Phabuloso_46,

Genes that have the "Most Annotated" start but do not call it:
• BENtherdunthat_44, Kuwabara_40, Whitney_47,

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

Summary by start number:

Start 3:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 60.0% of time when present
• Phage (with cluster) where this start called: BENtherdunthat_44 (DN1), Kuwabara_40 (DN4), Whitney_47 (DN1),

Start 4:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 57.1% of time when present

• Phage (with cluster) where this start called: Budski_44 (DN), CheeseTouch_51 (DN1), Leroy_48 (DN1), Phabuloso_46 (DN1),

Summary by clusters:

There are 3 clusters represented in this pham: DN, DN4, DN1,

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

Info for manual annotations of cluster DN1:
•Start number 3 was manually annotated 2 times for cluster DN1.
•Start number 4 was manually annotated 3 times for cluster DN1.

Info for manual annotations of cluster DN4:
•Start number 3 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: BENtherdunthat_44 Start: 30178, Stop: 30330, Start Num: 3
Candidate Starts for BENtherdunthat_44:
(Start: 3 @30178 has 3 MA's), (Start: 4 @30181 has 4 MA's), (5, 30208), (6, 30223), (7, 30238),

Gene: Budski_44 Start: 31926, Stop: 32075, Start Num: 4
Candidate Starts for Budski_44:
(Start: 3 @31923 has 3 MA's), (Start: 4 @31926 has 4 MA's), (5, 31953), (6, 31968), (7, 31983),

Gene: CheeseTouch_51 Start: 30366, Stop: 30515, Start Num: 4
Candidate Starts for CheeseTouch_51:
(2, 30336), (Start: 3 @30363 has 3 MA's), (Start: 4 @30366 has 4 MA's), (5, 30393), (6, 30408), (7, 30423),

Gene: Kuwabara_40 Start: 30126, Stop: 30278, Start Num: 3
Candidate Starts for Kuwabara_40:
(Start: 3 @30126 has 3 MA's), (Start: 4 @30129 has 4 MA's), (5, 30156), (6, 30171), (7, 30186), (8, 30195),

Gene: Leroy_48 Start: 33135, Stop: 33284, Start Num: 4
Candidate Starts for Leroy_48:
(1, 33096), (Start: 4 @33135 has 4 MA's), (5, 33162), (6, 33177), (7, 33192),

Gene: Phabuloso_46 Start: 32032, Stop: 32181, Start Num: 4
Candidate Starts for Phabuloso_46:
(Start: 4 @32032 has 4 MA's), (5, 32059), (6, 32074), (7, 32089),

Gene: Whitney_47 Start: 33953, Stop: 34105, Start Num: 3
Candidate Starts for Whitney_47:
(Start: 3 @33953 has 3 MA's), (Start: 4 @33956 has 4 MA's), (5, 33983), (6, 33998), (7, 34013),