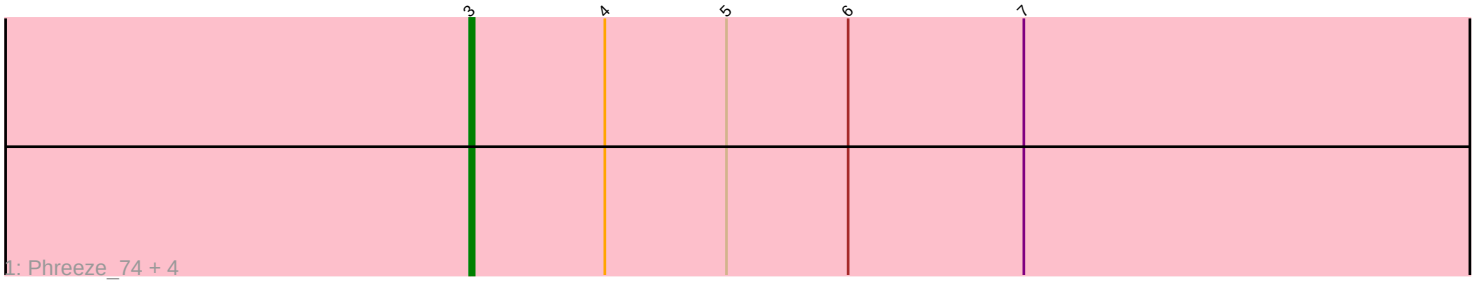
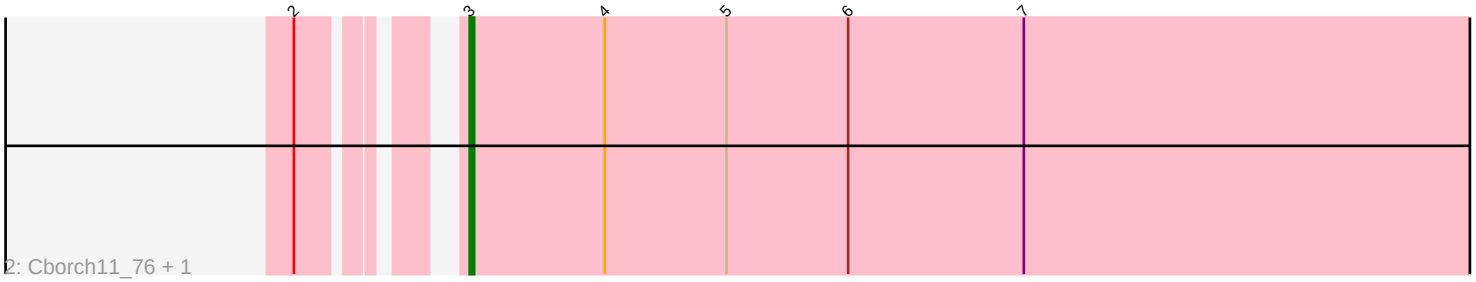
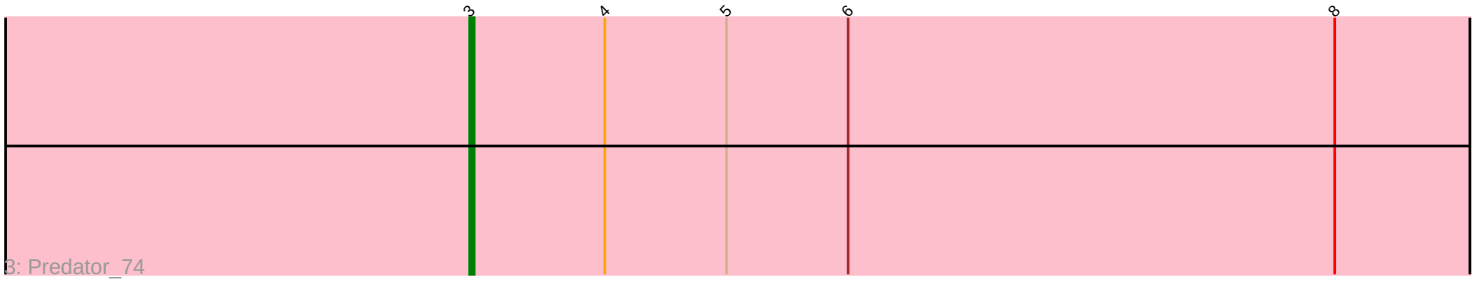
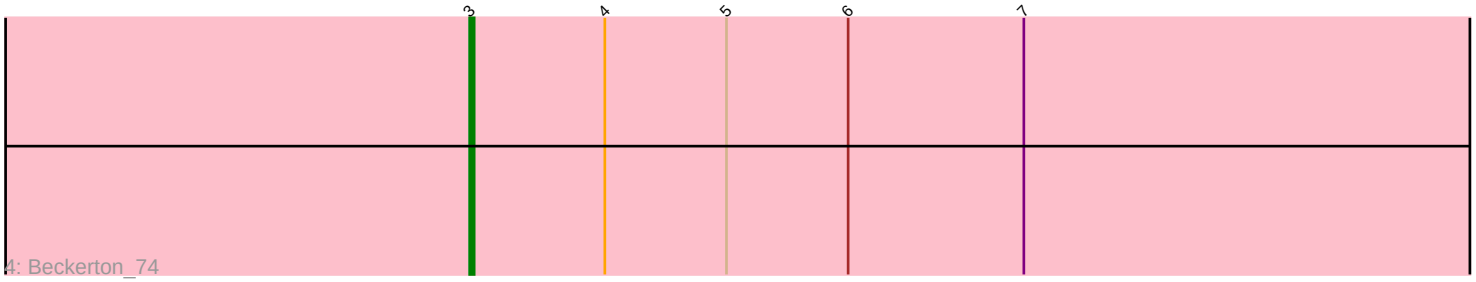
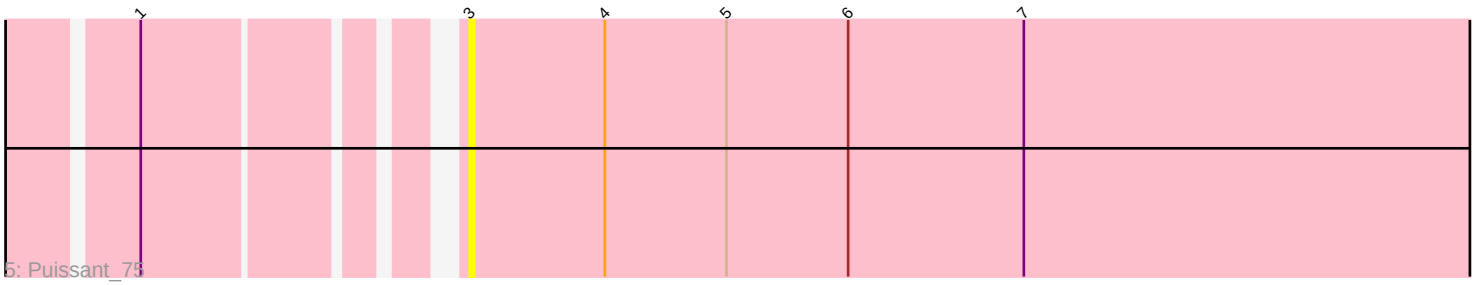
Pham 27994


3
4
5
6
7
1: Phreeze_74 + 4


2
3
4
5
6
7
2: Cborch11_76 + 1


3
4
5
6
8
3: Predator_74


3
4
5
6
7
4: Beckerton_74


1
3
4
5
6
7
5: Puissant_75

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 27994 Report

This analysis was run 04/05/24 on database version 557.

Pham number 27994 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phreeze_74, Damien_75, Oaker_75, Thumb_76, Megatron06_78
• Track 2 : Cborch11_76, Konstantine_78
• Track 3 : Predator_74
• Track 4 : Beckerton_74
• Track 5 : Puissant_75

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_74, Cborch11_76, Damien_75, Konstantine_78, Megatron06_78, Oaker_75, Phreeze_74, Predator_74, Puissant_75, Thumb_76,

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

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

Summary by start number:

Start 3:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_74 (H1), Cborch11_76 (H1), Damien_75 (H1), Konstantine_78 (H1), Megatron06_78 (H1), Oaker_75 (H1), Phreeze_74 (H1), Predator_74 (H1), Puissant_75 (H1), Thumb_76 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:
•Start number 3 was manually annotated 8 times for cluster H1.

Gene Information:

Gene: Beckerton_74 Start: 55286, Stop: 55579, Start Num: 3
Candidate Starts for Beckerton_74:
(Start: 3 @55286 has 8 MA's), (4, 55316), (5, 55343), (6, 55370), (7, 55409),

Gene: Cborch11_76 Start: 54483, Stop: 54776, Start Num: 3
Candidate Starts for Cborch11_76:
(2, 54459), (Start: 3 @54483 has 8 MA's), (4, 54513), (5, 54540), (6, 54567), (7, 54606),

Gene: Damien_75 Start: 54793, Stop: 55086, Start Num: 3
Candidate Starts for Damien_75:
(Start: 3 @54793 has 8 MA's), (4, 54823), (5, 54850), (6, 54877), (7, 54916),

Gene: Konstantine_78 Start: 55276, Stop: 55569, Start Num: 3
Candidate Starts for Konstantine_78:
(2, 55252), (Start: 3 @55276 has 8 MA's), (4, 55306), (5, 55333), (6, 55360), (7, 55399),

Gene: Megatron06_78 Start: 55367, Stop: 55660, Start Num: 3
Candidate Starts for Megatron06_78:
(Start: 3 @55367 has 8 MA's), (4, 55397), (5, 55424), (6, 55451), (7, 55490),

Gene: Oaker_75 Start: 55396, Stop: 55689, Start Num: 3
Candidate Starts for Oaker_75:
(Start: 3 @55396 has 8 MA's), (4, 55426), (5, 55453), (6, 55480), (7, 55519),

Gene: Phreeze_74 Start: 54366, Stop: 54659, Start Num: 3
Candidate Starts for Phreeze_74:
(Start: 3 @54366 has 8 MA's), (4, 54396), (5, 54423), (6, 54450), (7, 54489),

Gene: Predator_74 Start: 54017, Stop: 54340, Start Num: 3
Candidate Starts for Predator_74:
(Start: 3 @54017 has 8 MA's), (4, 54047), (5, 54074), (6, 54101), (8, 54209),

Gene: Puissant_75 Start: 54531, Stop: 54824, Start Num: 3
Candidate Starts for Puissant_75:
(1, 54474), (Start: 3 @54531 has 8 MA's), (4, 54561), (5, 54588), (6, 54615), (7, 54654),

Gene: Thumb_76 Start: 54798, Stop: 55091, Start Num: 3
Candidate Starts for Thumb_76:
(Start: 3 @54798 has 8 MA's), (4, 54828), (5, 54855), (6, 54882), (7, 54921),