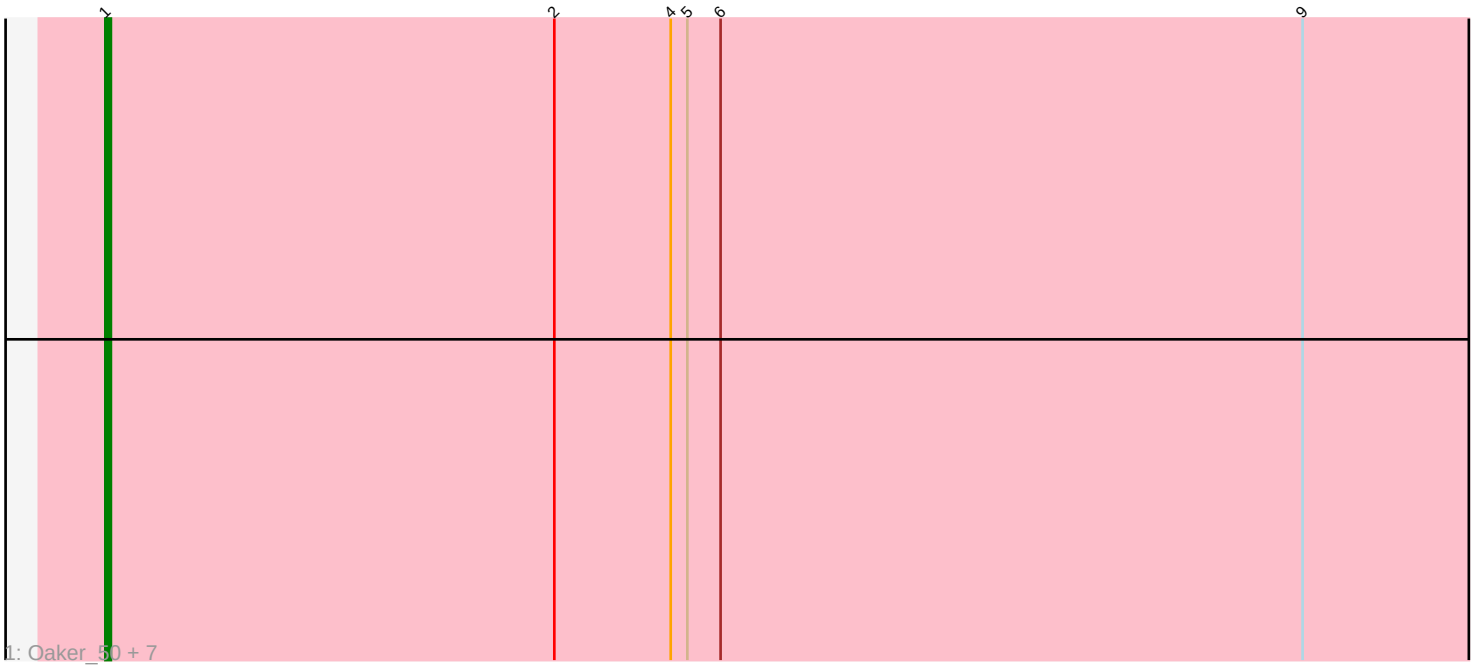
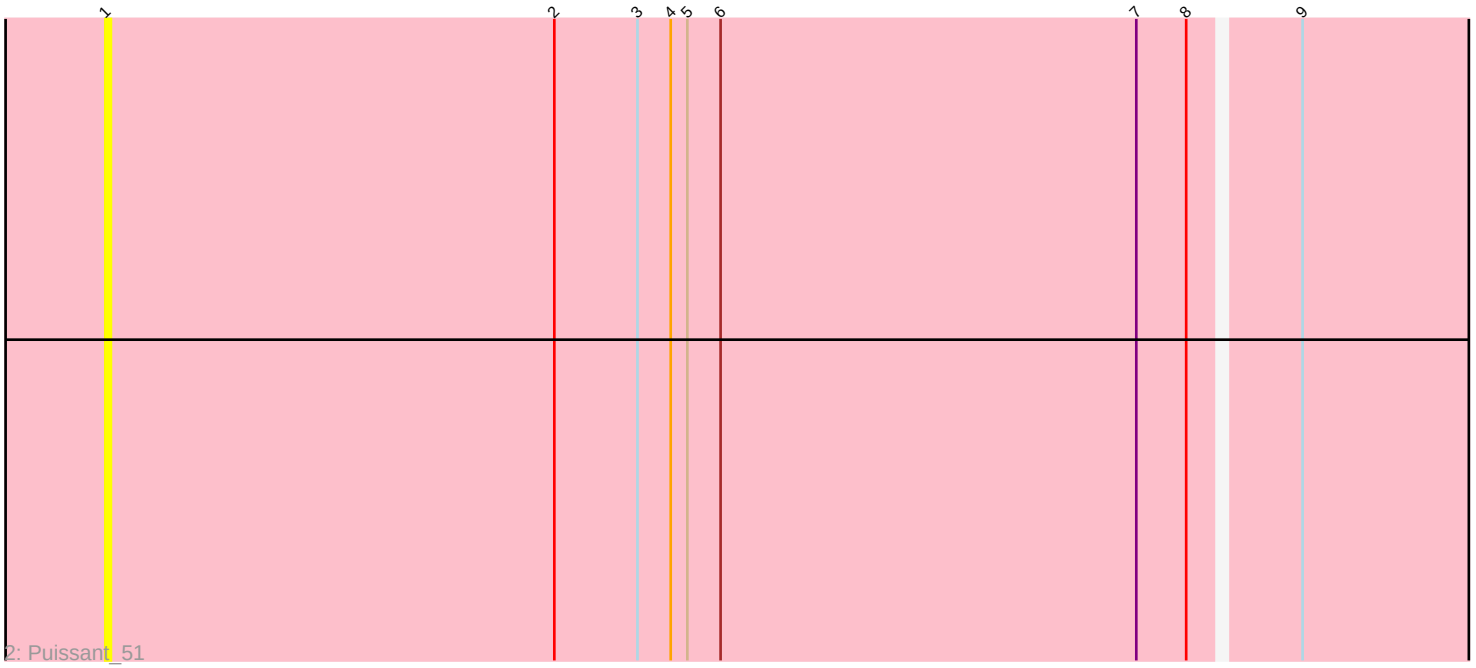
Pham 87975





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 87975 Report

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

Pham number 87975 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Oaker_50, Cborch11_52, Phreeze_49, Megatron06_54, Beckerton_50, Damien_51, Konstantine_54, Thumb_51
• Track 2 : Puissant_51

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_50, Cborch11_52, Damien_51, Konstantine_54, Megatron06_54, Oaker_50, Phreeze_49, Puissant_51, Thumb_51,

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 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_50 (H1), Cborch11_52 (H1), Damien_51 (H1), Konstantine_54 (H1), Megatron06_54 (H1), Oaker_50 (H1), Phreeze_49 (H1), Puissant_51 (H1), Thumb_51 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:

•Start number 1 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_50 Start: 41937, Stop: 42263, Start Num: 1
Candidate Starts for Beckerton_50:
(Start: 1 @41937 has 7 MA's), (2, 42018), (4, 42039), (5, 42042), (6, 42048), (9, 42153),

Gene: Cborch11_52 Start: 41453, Stop: 41779, Start Num: 1
Candidate Starts for Cborch11_52:
(Start: 1 @41453 has 7 MA's), (2, 41534), (4, 41555), (5, 41558), (6, 41564), (9, 41669),

Gene: Damien_51 Start: 41416, Stop: 41742, Start Num: 1
Candidate Starts for Damien_51:
(Start: 1 @41416 has 7 MA's), (2, 41497), (4, 41518), (5, 41521), (6, 41527), (9, 41632),

Gene: Konstantine_54 Start: 42247, Stop: 42573, Start Num: 1
Candidate Starts for Konstantine_54:
(Start: 1 @42247 has 7 MA's), (2, 42328), (4, 42349), (5, 42352), (6, 42358), (9, 42463),

Gene: Megatron06_54 Start: 41993, Stop: 42319, Start Num: 1
Candidate Starts for Megatron06_54:
(Start: 1 @41993 has 7 MA's), (2, 42074), (4, 42095), (5, 42098), (6, 42104), (9, 42209),

Gene: Oaker_50 Start: 41708, Stop: 42034, Start Num: 1
Candidate Starts for Oaker_50:
(Start: 1 @41708 has 7 MA's), (2, 41789), (4, 41810), (5, 41813), (6, 41819), (9, 41924),

Gene: Phreeze_49 Start: 41013, Stop: 41339, Start Num: 1
Candidate Starts for Phreeze_49:
(Start: 1 @41013 has 7 MA's), (2, 41094), (4, 41115), (5, 41118), (6, 41124), (9, 41229),

Gene: Puissant_51 Start: 41420, Stop: 41743, Start Num: 1
Candidate Starts for Puissant_51:
(Start: 1 @41420 has 7 MA's), (2, 41501), (3, 41516), (4, 41522), (5, 41525), (6, 41531), (7, 41606), (8, 41615), (9, 41633),

Gene: Thumb_51 Start: 41448, Stop: 41774, Start Num: 1
Candidate Starts for Thumb_51:
(Start: 1 @41448 has 7 MA's), (2, 41529), (4, 41550), (5, 41553), (6, 41559), (9, 41664),