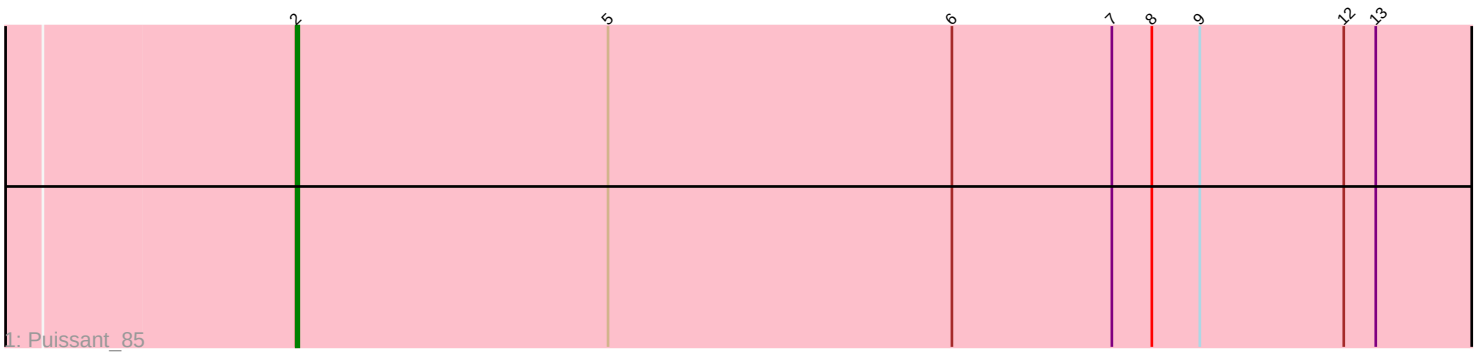
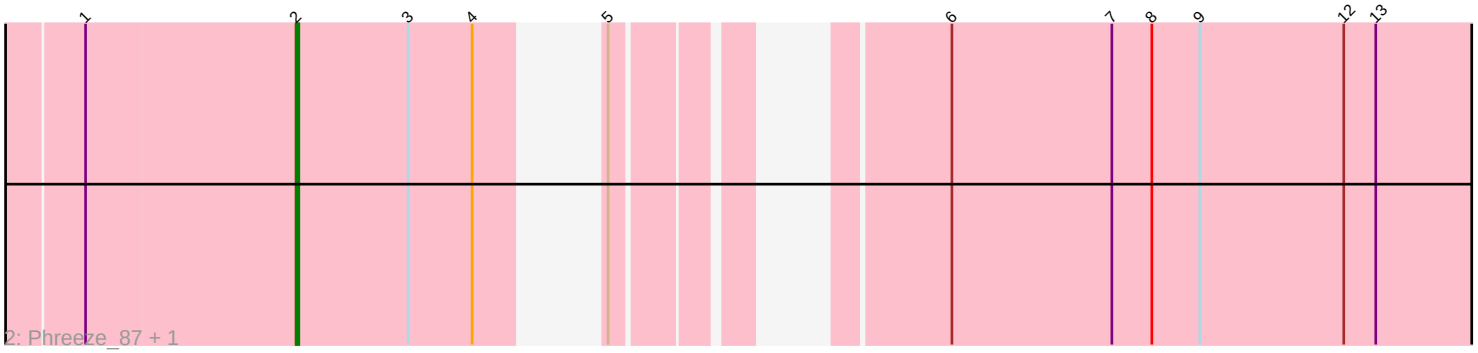
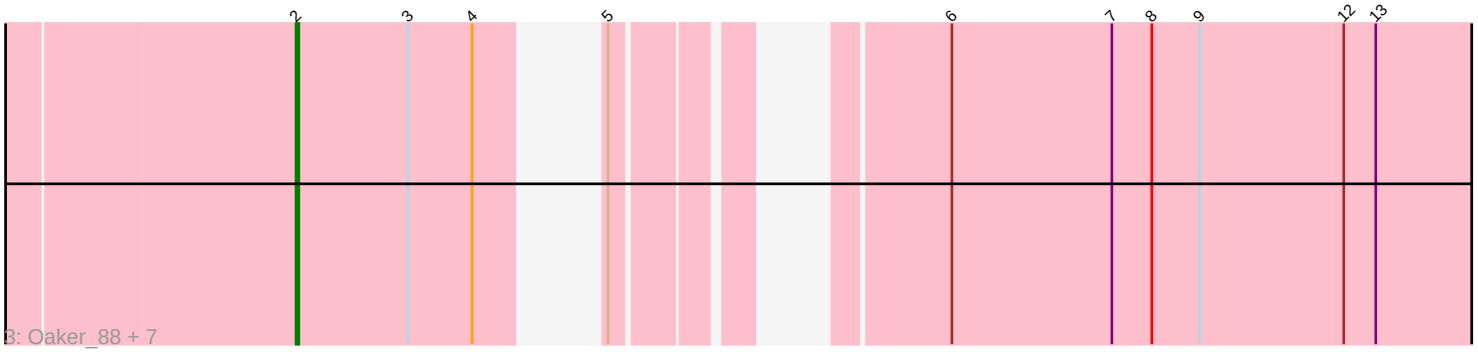
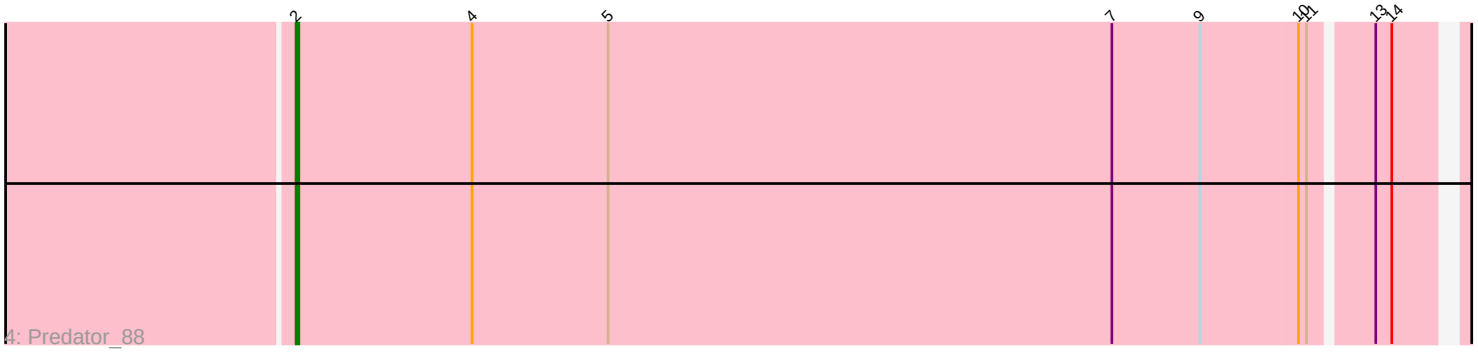
Pham 335456


2
5
6
7
8
9
12
13
1: Puissant_85


1
2
3
4
5
6
7
8
9
12
13
2: Phreeze_87 + 1


2
3
4
5
6
7
8
9
12
13
3: Oaker_88 + 7


2
4
5
7
9
10
11
13
14
4: Predator_88

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 335456 Report

This analysis was run 11/14/26 on database version 672.

Pham number 335456 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Puissant_85
• Track 2 : Phreeze_87, Thumb_89
• Track 3 : Oaker_88, Cborch11_89, BobtimousPrime_91, Nish23_88, Beckerton_87, Damien_88, Konstantine_91, Megatron06_89
• Track 4 : Predator_88

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_87, BobtimousPrime_91, Cborch11_89, Damien_88, Konstantine_91, Megatron06_89, Nish23_88, Oaker_88, Phreeze_87, Predator_88, Puissant_85, Thumb_89,

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 2:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_87 (H1), BobtimousPrime_91 (H1), Cborch11_89 (H1), Damien_88 (H1), Konstantine_91 (H1), Megatron06_89 (H1), Nish23_88 (H1), Oaker_88 (H1), Phreeze_87 (H1), Predator_88 (H1), Puissant_85 (H1), Thumb_89 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:
•Start number 2 was manually annotated 11 times for cluster H1.

Gene Information:

Gene: Beckerton_87 Start: 63823, Stop: 64227, Start Num: 2
Candidate Starts for Beckerton_87:
(Start: 2 @63823 has 11 MA's), (3, 63865), (4, 63889), (5, 63907), (6, 63994), (7, 64054), (8, 64069), (9, 64087), (12, 64141), (13, 64153),

Gene: BobtimousPrime_91 Start: 64080, Stop: 64484, Start Num: 2
Candidate Starts for BobtimousPrime_91:
(Start: 2 @64080 has 11 MA's), (3, 64122), (4, 64146), (5, 64164), (6, 64251), (7, 64311), (8, 64326), (9, 64344), (12, 64398), (13, 64410),

Gene: Cborch11_89 Start: 62719, Stop: 63162, Start Num: 2
Candidate Starts for Cborch11_89:
(Start: 2 @62719 has 11 MA's), (3, 62761), (4, 62785), (5, 62803), (6, 62890), (7, 62950), (8, 62965), (9, 62983), (12, 63037), (13, 63049),

Gene: Damien_88 Start: 63319, Stop: 63723, Start Num: 2
Candidate Starts for Damien_88:
(Start: 2 @63319 has 11 MA's), (3, 63361), (4, 63385), (5, 63403), (6, 63490), (7, 63550), (8, 63565), (9, 63583), (12, 63637), (13, 63649),

Gene: Konstantine_91 Start: 63829, Stop: 64233, Start Num: 2
Candidate Starts for Konstantine_91:
(Start: 2 @63829 has 11 MA's), (3, 63871), (4, 63895), (5, 63913), (6, 64000), (7, 64060), (8, 64075), (9, 64093), (12, 64147), (13, 64159),

Gene: Megatron06_89 Start: 63904, Stop: 64317, Start Num: 2
Candidate Starts for Megatron06_89:
(Start: 2 @63904 has 11 MA's), (3, 63946), (4, 63970), (5, 63988), (6, 64075), (7, 64135), (8, 64150), (9, 64168), (12, 64222), (13, 64234),

Gene: Nish23_88 Start: 62719, Stop: 63162, Start Num: 2
Candidate Starts for Nish23_88:
(Start: 2 @62719 has 11 MA's), (3, 62761), (4, 62785), (5, 62803), (6, 62890), (7, 62950), (8, 62965), (9, 62983), (12, 63037), (13, 63049),

Gene: Oaker_88 Start: 63921, Stop: 64325, Start Num: 2
Candidate Starts for Oaker_88:
(Start: 2 @63921 has 11 MA's), (3, 63963), (4, 63987), (5, 64005), (6, 64092), (7, 64152), (8, 64167), (9, 64185), (12, 64239), (13, 64251),

Gene: Phreeze_87 Start: 62859, Stop: 63263, Start Num: 2
Candidate Starts for Phreeze_87:

(1, 62781), (Start: 2 @62859 has 11 MA's), (3, 62901), (4, 62925), (5, 62943), (6, 63030), (7, 63090), (8, 63105), (9, 63123), (12, 63177), (13, 63189),

Gene: Predator_88 Start: 64112, Stop: 64573, Start Num: 2
Candidate Starts for Predator_88:
(Start: 2 @64112 has 11 MA's), (4, 64178), (5, 64229), (7, 64418), (9, 64451), (10, 64487), (11, 64490), (13, 64511), (14, 64517),

Gene: Puissant_85 Start: 63531, Stop: 64046, Start Num: 2
Candidate Starts for Puissant_85:
(Start: 2 @63531 has 11 MA's), (5, 63648), (6, 63777), (7, 63837), (8, 63852), (9, 63870), (12, 63924), (13, 63936),

Gene: Thumb_89 Start: 63273, Stop: 63677, Start Num: 2
Candidate Starts for Thumb_89:
(1, 63195), (Start: 2 @63273 has 11 MA's), (3, 63315), (4, 63339), (5, 63357), (6, 63444), (7, 63504), (8, 63519), (9, 63537), (12, 63591), (13, 63603),