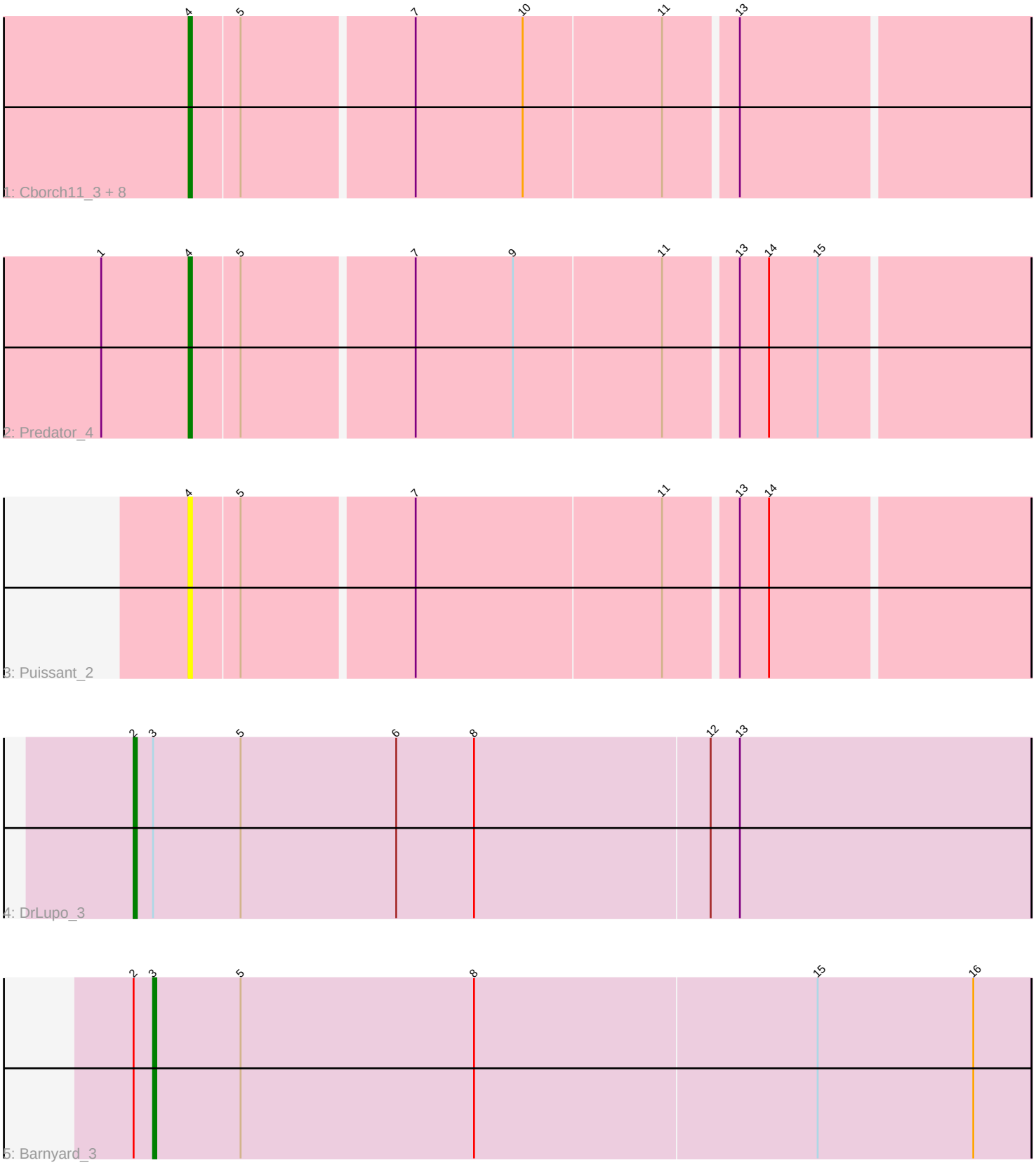
Pham 272302


4
5
7
10
11
13
1: Cborch11_3 + 8
1
4
5
7
9
11
13
14
15
2: Predator_4
4
5
7
11
13
14
3: Puissant_2
2
3
5
6
8
12
13
4: DrLupo_3
2
3
5
8
15
16
5: Barnyard_3

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 272302 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272302 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cborch11_3, Megatron06_3, Konstantine_3, BobtimousPrime_3, Damien_3, Thumb_3, Oaker_3, Phreeze_3, Beckerton_3
• Track 2 : Predator_4
• Track 3 : Puissant_2
• Track 4 : DrLupo_3
• Track 5 : Barnyard_3

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

Genes that call this "Most Annotated" start:
• Beckerton_3, BobtimousPrime_3, Cborch11_3, Damien_3, Konstantine_3, Megatron06_3, Oaker_3, Phreeze_3, Predator_4, Puissant_2, Thumb_3,

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

Genes that do not have the "Most Annotated" start:
• Barnyard_3, DrLupo_3,

Summary by start number:

Start 2:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: DrLupo_3 (H2),

Start 3:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Barnyard_3 (H2),

Start 4:
• Found in 11 of 13 (84.6%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_3 (H1), BobtimousPrime_3 (H1), Cborch11_3 (H1), Damien_3 (H1), Konstantine_3 (H1), Megatron06_3 (H1), Oaker_3 (H1), Phreeze_3 (H1), Predator_4 (H1), Puissant_2 (H1), Thumb_3 (H1),

Summary by clusters:

There are 2 clusters represented in this pham: H2, H1,

Info for manual annotations of cluster H1:
•Start number 4 was manually annotated 9 times for cluster H1.

Info for manual annotations of cluster H2:
•Start number 2 was manually annotated 1 time for cluster H2.
•Start number 3 was manually annotated 1 time for cluster H2.

Gene Information:

Gene: Barnyard_3 Start: 1645, Stop: 1914, Start Num: 3
Candidate Starts for Barnyard_3:
(Start: 2 @1639 has 1 MA's), (Start: 3 @1645 has 1 MA's), (5, 1672), (8, 1744), (15, 1849), (16, 1897),

Gene: Beckerton_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Beckerton_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: BobtimousPrime_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for BobtimousPrime_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: Cborch11_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Cborch11_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: Damien_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Damien_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: DrLupo_3 Start: 1614, Stop: 1889, Start Num: 2
Candidate Starts for DrLupo_3:
(Start: 2 @1614 has 1 MA's), (Start: 3 @1620 has 1 MA's), (5, 1647), (6, 1695), (8, 1719), (12, 1791), (13, 1800),

Gene: Konstantine_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Konstantine_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: Megatron06_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Megatron06_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: Oaker_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Oaker_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: Phreeze_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Phreeze_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),

Gene: Predator_4 Start: 2023, Stop: 2271, Start Num: 4
Candidate Starts for Predator_4:
(1, 1996), (Start: 4 @2023 has 9 MA's), (5, 2038), (7, 2089), (9, 2119), (11, 2164), (13, 2185), (14, 2194), (15, 2209),

Gene: Puissant_2 Start: 1683, Stop: 1931, Start Num: 4
Candidate Starts for Puissant_2:
(Start: 4 @1683 has 9 MA's), (5, 1698), (7, 1749), (11, 1824), (13, 1845), (14, 1854),

Gene: Thumb_3 Start: 1682, Stop: 1930, Start Num: 4
Candidate Starts for Thumb_3:
(Start: 4 @1682 has 9 MA's), (5, 1697), (7, 1748), (10, 1781), (11, 1823), (13, 1844),