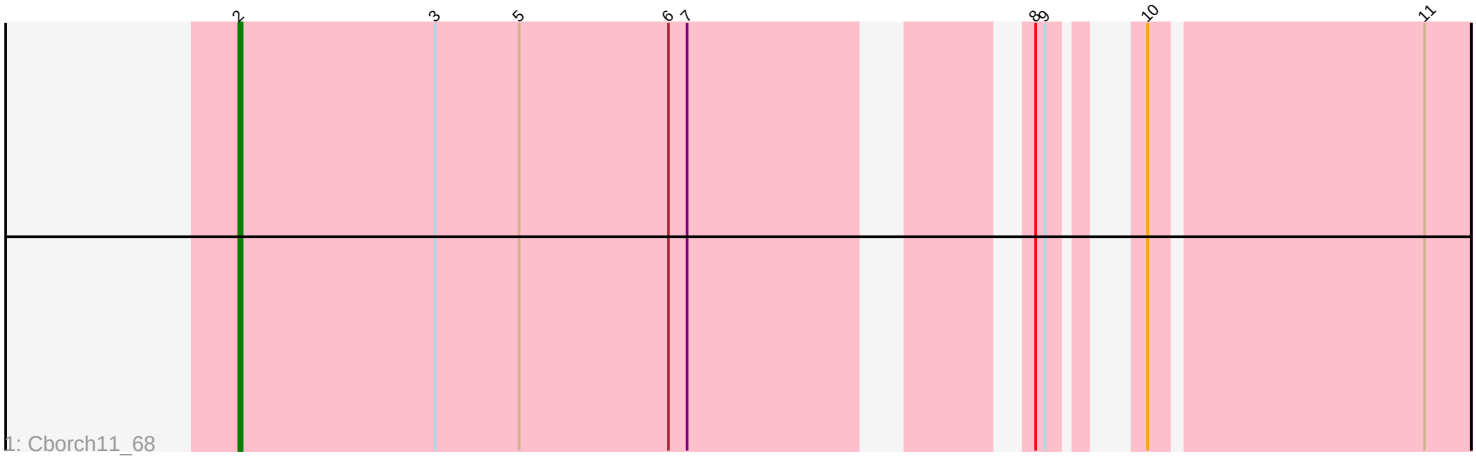
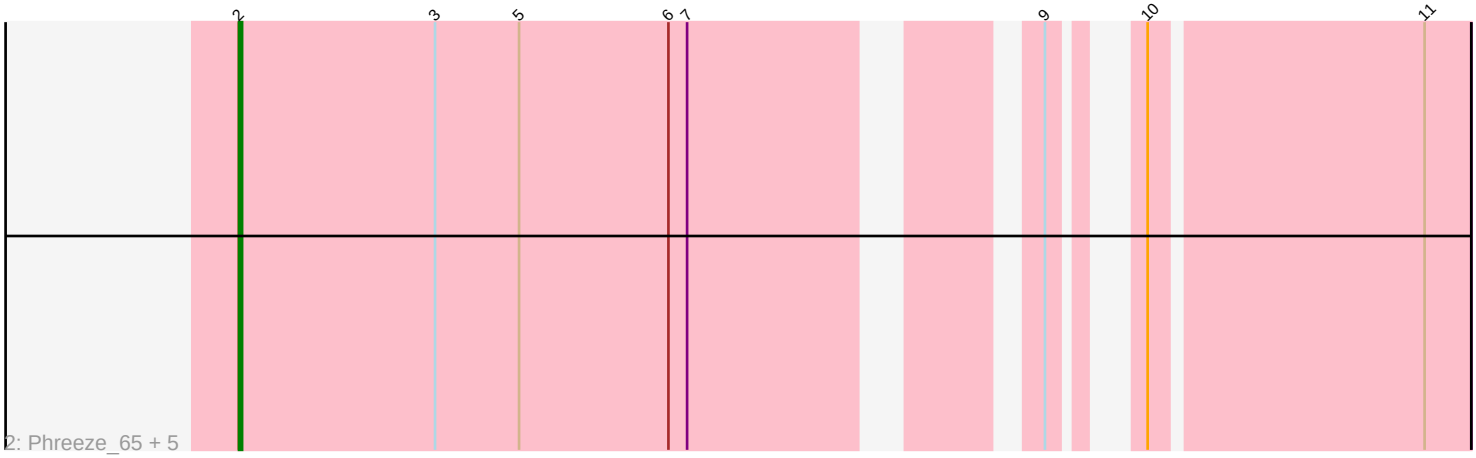
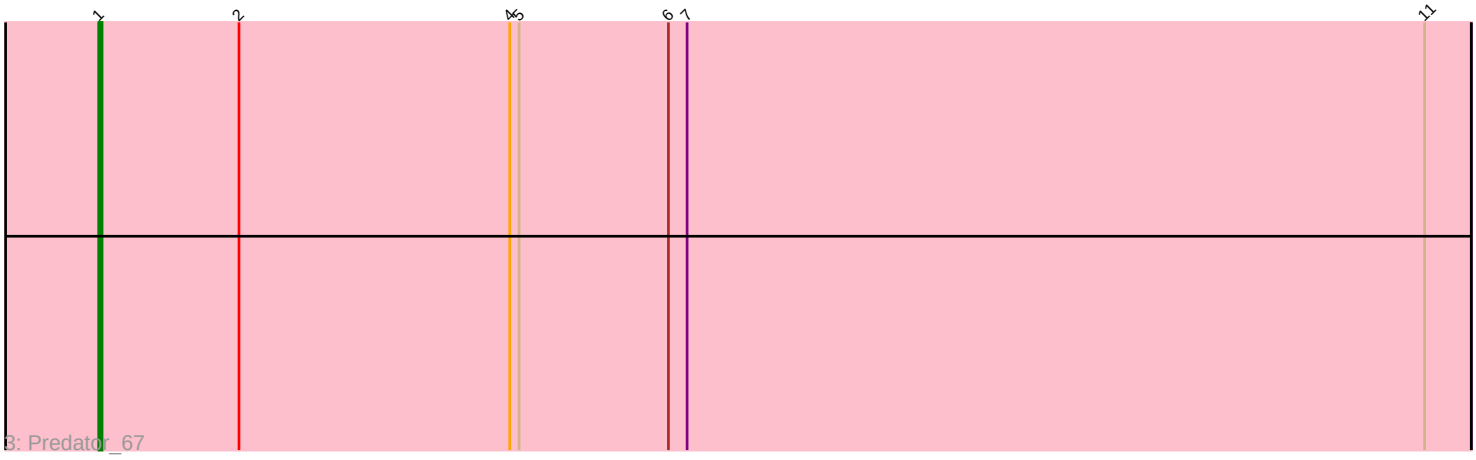
Pham 140314


2
3
5
6
7
8
9
10
11
1: Cborch11_68


2
3
5
6
7
9
10
11
2: Phreeze_65 + 5


1
2
4
5
6
7
11
3: Predator_67

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 140314 Report

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

Pham number 140314 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Cborch11_68
• Track 2 : Phreeze_65, Damien_66, Oaker_66, Konstantine_70, Beckerton_65, Thumb_67
• Track 3 : Predator_67

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

Genes that call this "Most Annotated" start:
• Beckerton_65, Cborch11_68, Damien_66, Konstantine_70, Oaker_66, Phreeze_65, Thumb_67,

Genes that have the "Most Annotated" start but do not call it:
• Predator_67,

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

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Predator_67 (H1),

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Beckerton_65 (H1), Cborch11_68 (H1), Damien_66 (H1), Konstantine_70 (H1), Oaker_66 (H1), Phreeze_65 (H1), Thumb_67

(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 1 time for cluster H1.
•Start number 2 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_65 Start: 50258, Stop: 50605, Start Num: 2
Candidate Starts for Beckerton_65:
(Start: 2 @50258 has 7 MA's), (3, 50321), (5, 50348), (6, 50396), (7, 50402), (9, 50492), (10, 50507), (11, 50591),

Gene: Cborch11_68 Start: 49777, Stop: 50124, Start Num: 2
Candidate Starts for Cborch11_68:
(Start: 2 @49777 has 7 MA's), (3, 49840), (5, 49867), (6, 49915), (7, 49921), (8, 50008), (9, 50011), (10, 50026), (11, 50110),

Gene: Damien_66 Start: 49739, Stop: 50086, Start Num: 2
Candidate Starts for Damien_66:
(Start: 2 @49739 has 7 MA's), (3, 49802), (5, 49829), (6, 49877), (7, 49883), (9, 49973), (10, 49988), (11, 50072),

Gene: Konstantine_70 Start: 50570, Stop: 50917, Start Num: 2
Candidate Starts for Konstantine_70:
(Start: 2 @50570 has 7 MA's), (3, 50633), (5, 50660), (6, 50708), (7, 50714), (9, 50804), (10, 50819), (11, 50903),

Gene: Oaker_66 Start: 50336, Stop: 50683, Start Num: 2
Candidate Starts for Oaker_66:
(Start: 2 @50336 has 7 MA's), (3, 50399), (5, 50426), (6, 50474), (7, 50480), (9, 50570), (10, 50585), (11, 50669),

Gene: Phreeze_65 Start: 49336, Stop: 49683, Start Num: 2
Candidate Starts for Phreeze_65:
(Start: 2 @49336 has 7 MA's), (3, 49399), (5, 49426), (6, 49474), (7, 49480), (9, 49570), (10, 49585), (11, 49669),

Gene: Predator_67 Start: 49036, Stop: 49476, Start Num: 1
Candidate Starts for Predator_67:
(Start: 1 @49036 has 1 MA's), (Start: 2 @49081 has 7 MA's), (4, 49168), (5, 49171), (6, 49219), (7, 49225), (11, 49462),

Gene: Thumb_67 Start: 49771, Stop: 50118, Start Num: 2
Candidate Starts for Thumb_67:
(Start: 2 @49771 has 7 MA's), (3, 49834), (5, 49861), (6, 49909), (7, 49915), (9, 50005), (10, 50020), (11, 50104),