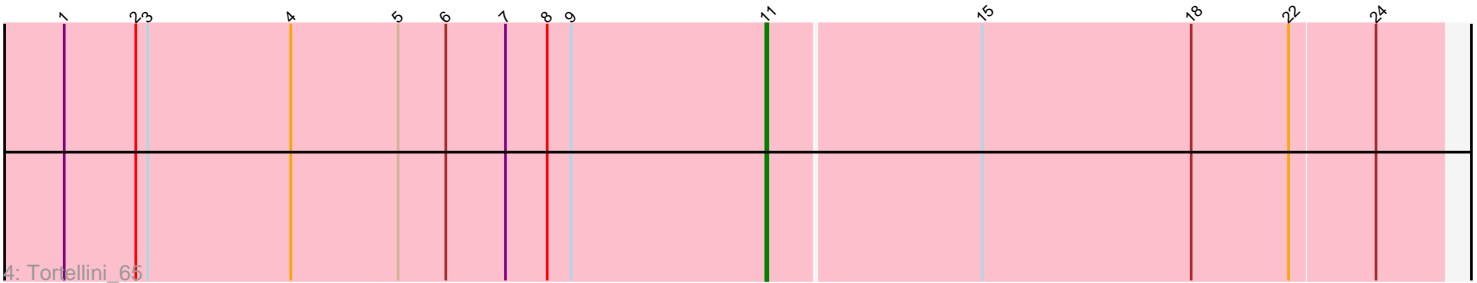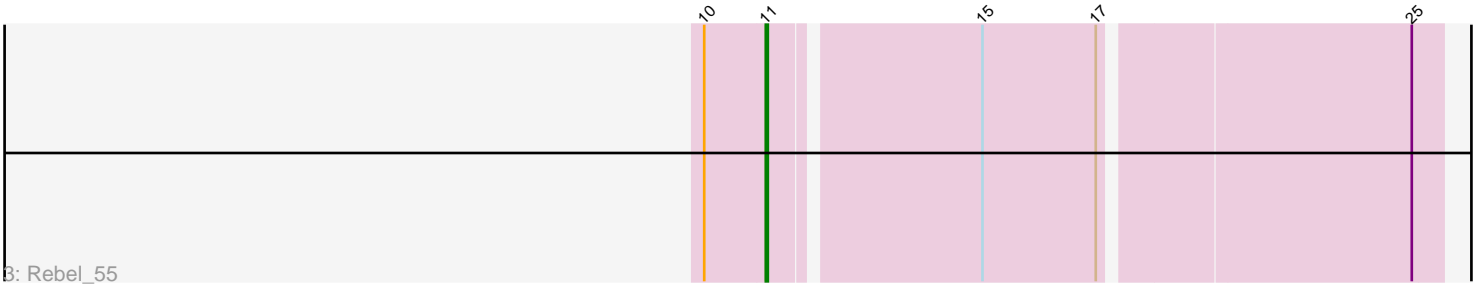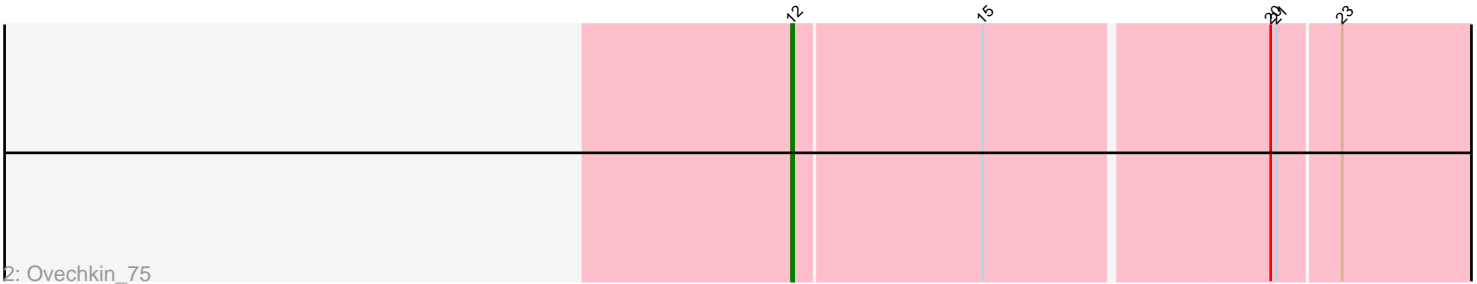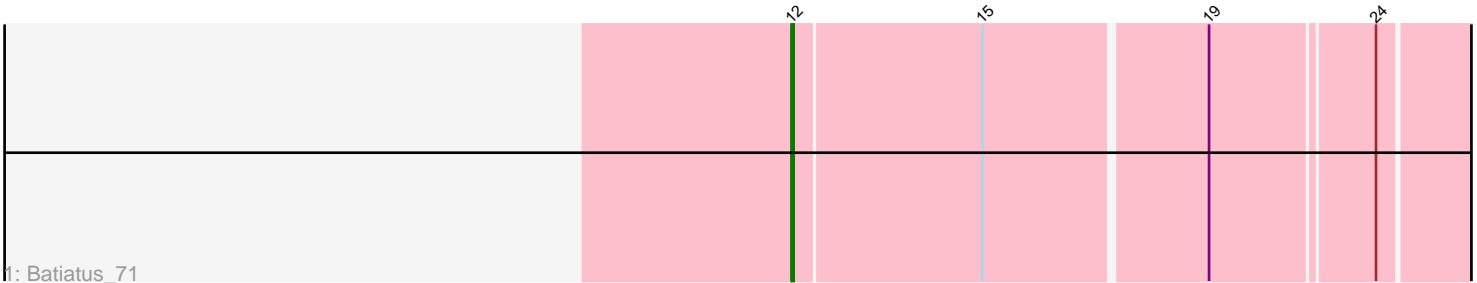# Pham 158510

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 158510 Report

This analysis was run 04/28/24 on database version 559.

Pham number 158510 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Batiatus_71
• Track 2 : Ovechkin_75
• Track 3 : Rebel_55
• Track 4 : Tortellini_65
• Track 5 : LilSpotty_78

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

The start number called the most often in the published annotations is 12, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Batiatus_71, LilSpotty_78, Ovechkin_75,

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

Genes that do not have the "Most Annotated" start:
• Rebel_55, Tortellini_65,

Summary by start number:

Start 11:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rebel_55 (N), Tortellini_65 (P2),

Start 12:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Batiatus_71 (F1), LilSpotty_78 (singleton), Ovechkin_75 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: P2, F1, singleton, N,

Info for manual annotations of cluster F1:
•Start number 12 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster N:
•Start number 11 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P2:
•Start number 11 was manually annotated 1 time for cluster P2.

Gene Information:
Gene: Batiatus_71 Start: 45087, Stop: 45425, Start Num: 12
Candidate Starts for Batiatus_71:
(Start: 12 @45087 has 3 MA's), (15, 45180), (19, 45288), (24, 45366),

Gene: LilSpotty_78 Start: 45396, Stop: 45701, Start Num: 12
Candidate Starts for LilSpotty_78:
(Start: 12 @45396 has 3 MA's), (13, 45426), (14, 45489), (16, 45513), (24, 45672),

Gene: Ovechkin_75 Start: 46310, Stop: 46654, Start Num: 12
Candidate Starts for Ovechkin_75:
(Start: 12 @46310 has 3 MA's), (15, 46403), (20, 46541), (21, 46544), (23, 46574),

Gene: Rebel_55 Start: 35427, Stop: 35744, Start Num: 11
Candidate Starts for Rebel_55:
(10, 35397), (Start: 11 @35427 has 2 MA's), (15, 35526), (17, 35583), (25, 35730),

Gene: Tortellini_65 Start: 44207, Stop: 44539, Start Num: 11
Candidate Starts for Tortellini_65:
(1, 43856), (2, 43892), (3, 43898), (4, 43970), (5, 44024), (6, 44048), (7, 44078), (8, 44099), (9, 44111), (Start: 11 @44207 has 2 MA's), (15, 44312), (18, 44417), (22, 44465), (24, 44507),