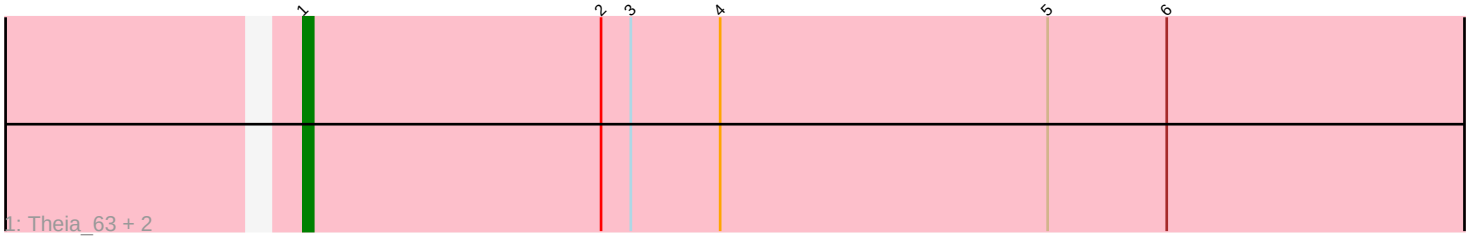
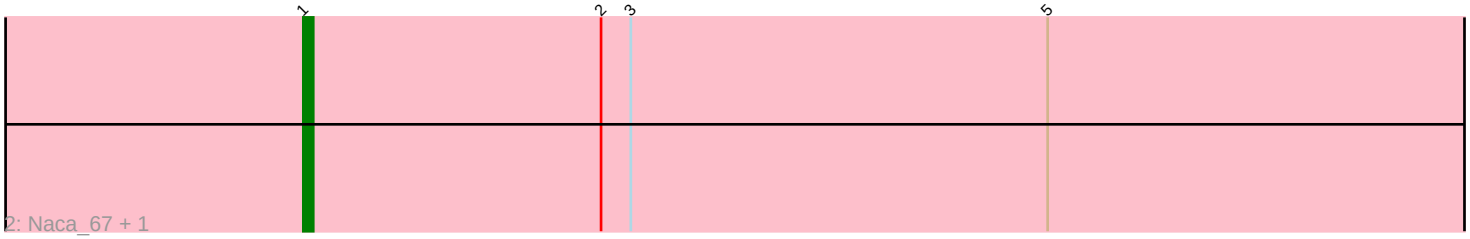
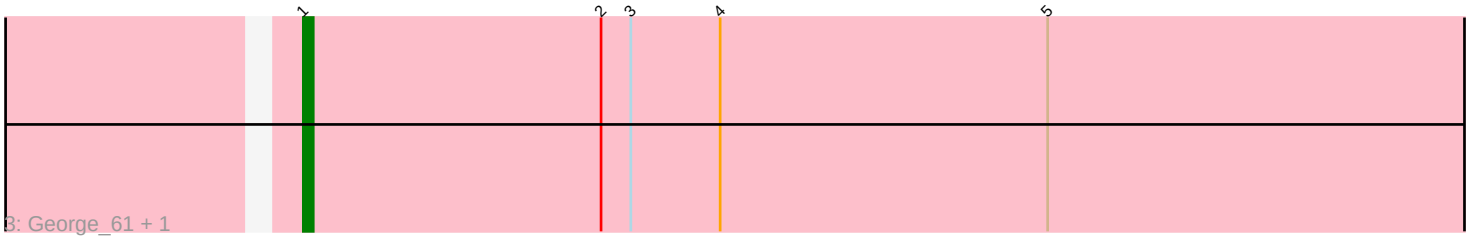
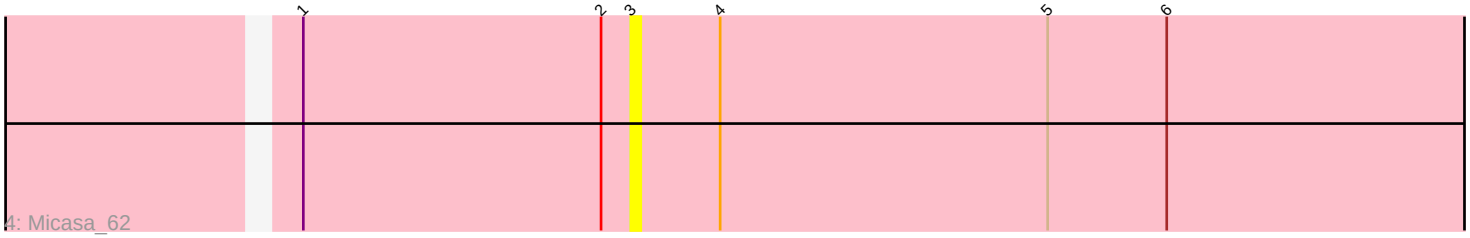
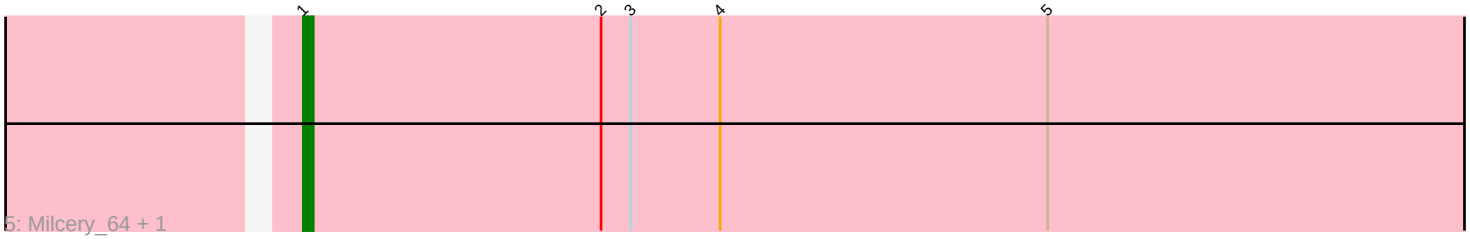
Pham 5607

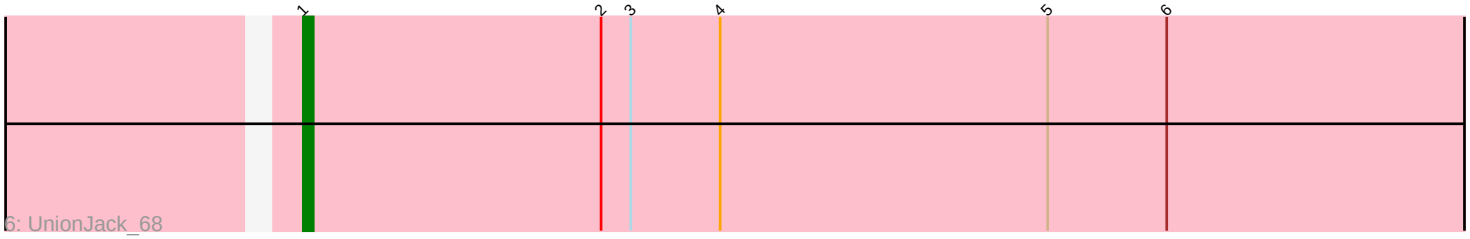

1
2
3
4
5
6
1: Theia_63 + 2


1
2
3
5
2: Naca_67 + 1


1
2
3
4
5
3: George_61 + 1


1
2
3
4
5
6
4: Micasa_62


1
2
3
4
5
5: Milcery_64 + 1


1
2
3
4
5
6
6: UnionJack_68

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 5607 Report

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

Pham number 5607 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Theia_63, MarysWell_64, Dublin_64
• Track 2 : Naca_67, ElTiger69_70
• Track 3 : George_61, Bonamassa_64
• Track 4 : Micasa_62
• Track 5 : Milcery_64, Tarynearal_63
• Track 6 : UnionJack_68

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bonamassa_64, Dublin_64, ElTiger69_70, George_61, MarysWell_64, Milcery_64, Naca_67, Tarynearal_63, Theia_63, UnionJack_68,

Genes that have the "Most Annotated" start but do not call it:
• Micasa_62,

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

Summary by start number:

Start 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Bonamassa_64 (A5), Dublin_64 (A5), ElTiger69_70 (A5), George_61 (A5), MarysWell_64 (A5), Milcery_64 (A5), Naca_67 (A5), Tarynearal_63 (A5), Theia_63 (A5), UnionJack_68 (A5),

Start 3:
• Found in 11 of 11 (100.0%) of genes in pham

• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Micasa_62 (A5),

Summary by clusters:

There is one cluster represented in this pham: A5

Info for manual annotations of cluster A5:
•Start number 1 was manually annotated 10 times for cluster A5.

Gene Information:

Gene: Bonamassa_64 Start: 41568, Stop: 41386, Start Num: 1
Candidate Starts for Bonamassa_64:
(Start: 1 @41568 has 10 MA's), (2, 41538), (3, 41535), (4, 41526), (5, 41493),

Gene: Dublin_64 Start: 41525, Stop: 41343, Start Num: 1
Candidate Starts for Dublin_64:
(Start: 1 @41525 has 10 MA's), (2, 41495), (3, 41492), (4, 41483), (5, 41450), (6, 41438),

Gene: ElTiger69_70 Start: 42606, Stop: 42424, Start Num: 1
Candidate Starts for ElTiger69_70:
(Start: 1 @42606 has 10 MA's), (2, 42576), (3, 42573), (5, 42531),

Gene: George_61 Start: 41312, Stop: 41130, Start Num: 1
Candidate Starts for George_61:
(Start: 1 @41312 has 10 MA's), (2, 41282), (3, 41279), (4, 41270), (5, 41237),

Gene: MarysWell_64 Start: 41768, Stop: 41586, Start Num: 1
Candidate Starts for MarysWell_64:
(Start: 1 @41768 has 10 MA's), (2, 41738), (3, 41735), (4, 41726), (5, 41693), (6, 41681),

Gene: Micasa_62 Start: 41457, Stop: 41308, Start Num: 3
Candidate Starts for Micasa_62:
(Start: 1 @41490 has 10 MA's), (2, 41460), (3, 41457), (4, 41448), (5, 41415), (6, 41403),

Gene: Milcery_64 Start: 41280, Stop: 41098, Start Num: 1
Candidate Starts for Milcery_64:
(Start: 1 @41280 has 10 MA's), (2, 41250), (3, 41247), (4, 41238), (5, 41205),

Gene: Naca_67 Start: 42678, Stop: 42496, Start Num: 1
Candidate Starts for Naca_67:
(Start: 1 @42678 has 10 MA's), (2, 42648), (3, 42645), (5, 42603),

Gene: Tarynearal_63 Start: 41266, Stop: 41084, Start Num: 1
Candidate Starts for Tarynearal_63:
(Start: 1 @41266 has 10 MA's), (2, 41236), (3, 41233), (4, 41224), (5, 41191),

Gene: Theia_63 Start: 41752, Stop: 41570, Start Num: 1
Candidate Starts for Theia_63:

(Start: 1 @41752 has 10 MA's), (2, 41722), (3, 41719), (4, 41710), (5, 41677), (6, 41665),

Gene: UnionJack_68 Start: 41703, Stop: 41521, Start Num: 1
Candidate Starts for UnionJack_68:
(Start: 1 @41703 has 10 MA's), (2, 41673), (3, 41670), (4, 41661), (5, 41628), (6, 41616),