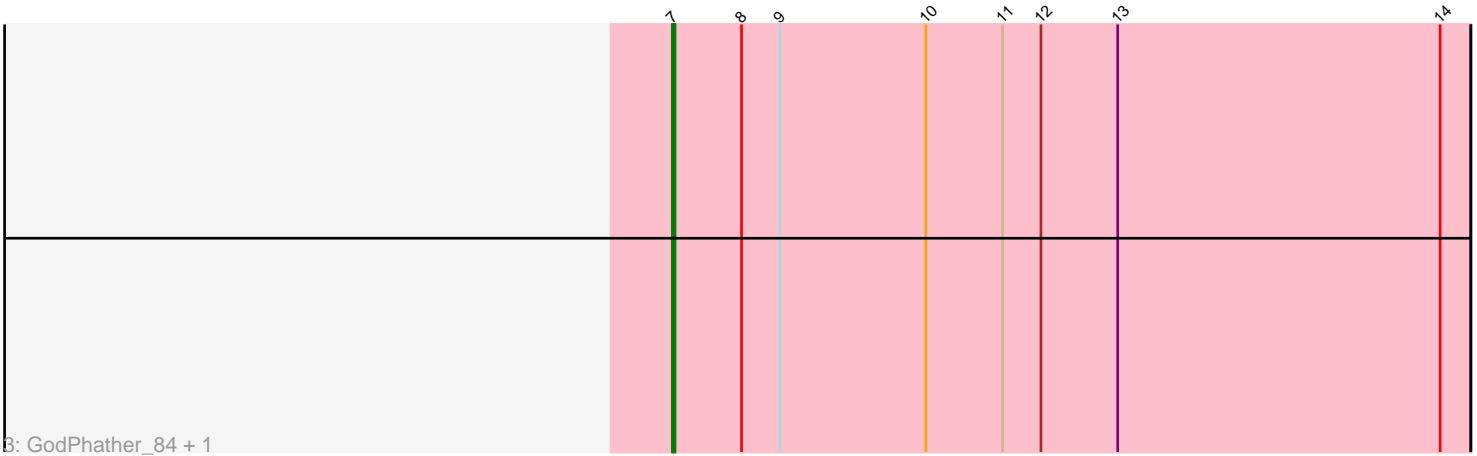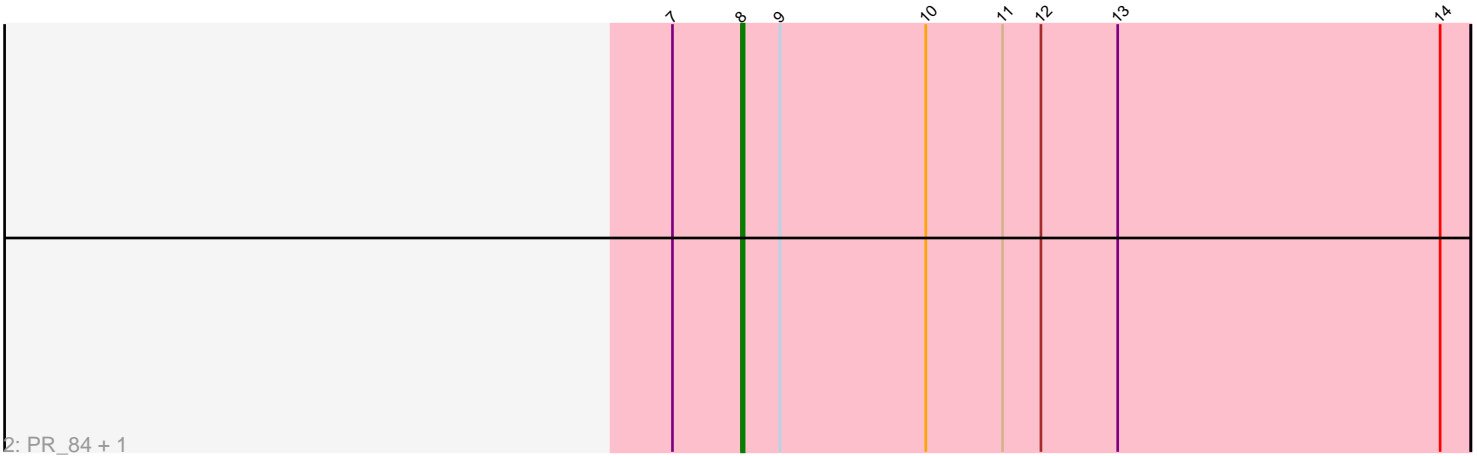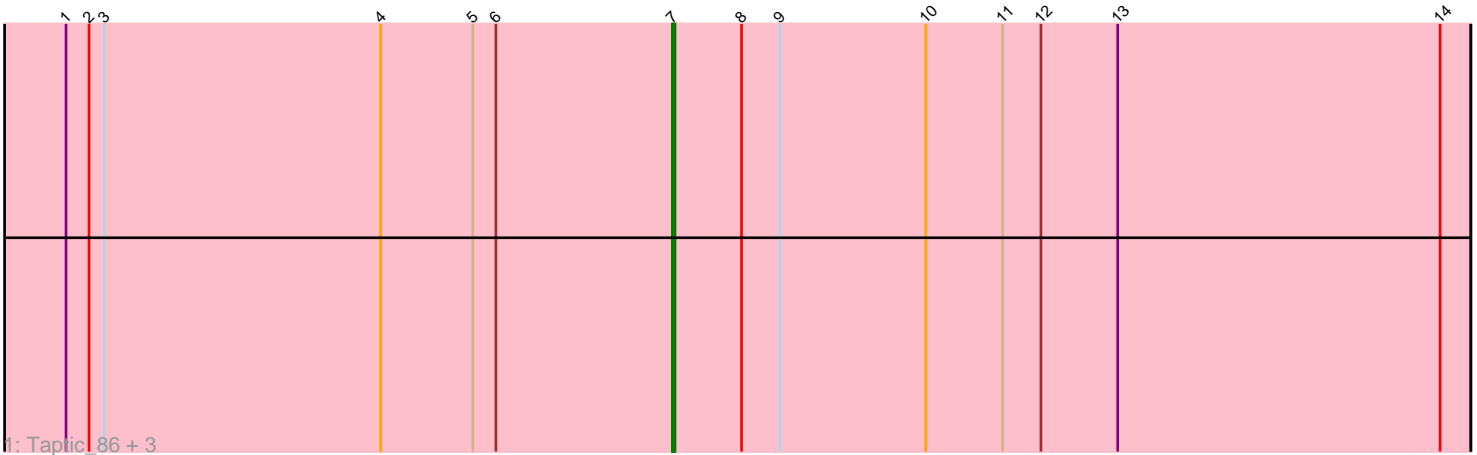# Pham 6623

1: Taplic_86 + 3

2: PR_84 + 1

3: GodPhather_84 + 1

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 6623 Report

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

Pham number 6623 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Taptic_86, Cepens_85, Argie_86, Megabear_83
• Track 2 : PR_84, D12_83
• Track 3 : GodPhather_84, Jeon_80

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Argie_86, Cepens_85, GodPhather_84, Jeon_80, Megabear_83, Taptic_86,

Genes that have the "Most Annotated" start but do not call it:
• D12_83, PR_84,

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

Summary by start number:

Start 7:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Argie_86 (W), Cepens_85 (W), GodPhather_84 (W), Jeon_80 (W), Megabear_83 (W), Taptic_86 (W),

Start 8:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: D12_83 (W), PR_84 (W),

Summary by clusters:

There is one cluster represented in this pham: W

Info for manual annotations of cluster W:
•Start number 7 was manually annotated 6 times for cluster W.
•Start number 8 was manually annotated 2 times for cluster W.

Gene Information:

Gene: Argie_86 Start: 58573, Stop: 58884, Start Num: 7
Candidate Starts for Argie_86:
(1, 58336), (2, 58345), (3, 58351), (4, 58459), (5, 58495), (6, 58504), (Start: 7 @58573 has 6 MA's),
(Start: 8 @58600 has 2 MA's), (9, 58615), (10, 58672), (11, 58702), (12, 58717), (13, 58747), (14,
58873),

Gene: Cepens_85 Start: 57682, Stop: 57993, Start Num: 7
Candidate Starts for Cepens_85:
(1, 57445), (2, 57454), (3, 57460), (4, 57568), (5, 57604), (6, 57613), (Start: 7 @57682 has 6 MA's),
(Start: 8 @57709 has 2 MA's), (9, 57724), (10, 57781), (11, 57811), (12, 57826), (13, 57856), (14,
57982),

Gene: D12_83 Start: 58343, Stop: 58627, Start Num: 8
Candidate Starts for D12_83:
(Start: 7 @58316 has 6 MA's), (Start: 8 @58343 has 2 MA's), (9, 58358), (10, 58415), (11, 58445),
(12, 58460), (13, 58490), (14, 58616),

Gene: GodPhather_84 Start: 58013, Stop: 58324, Start Num: 7
Candidate Starts for GodPhather_84:
(Start: 7 @58013 has 6 MA's), (Start: 8 @58040 has 2 MA's), (9, 58055), (10, 58112), (11, 58142),
(12, 58157), (13, 58187), (14, 58313),

Gene: Jeon_80 Start: 57506, Stop: 57817, Start Num: 7
Candidate Starts for Jeon_80:
(Start: 7 @57506 has 6 MA's), (Start: 8 @57533 has 2 MA's), (9, 57548), (10, 57605), (11, 57635),
(12, 57650), (13, 57680), (14, 57806),

Gene: Megabear_83 Start: 57605, Stop: 57916, Start Num: 7
Candidate Starts for Megabear_83:
(1, 57368), (2, 57377), (3, 57383), (4, 57491), (5, 57527), (6, 57536), (Start: 7 @57605 has 6 MA's),
(Start: 8 @57632 has 2 MA's), (9, 57647), (10, 57704), (11, 57734), (12, 57749), (13, 57779), (14,
57905),

Gene: PR_84 Start: 58320, Stop: 58604, Start Num: 8
Candidate Starts for PR_84:
(Start: 7 @58293 has 6 MA's), (Start: 8 @58320 has 2 MA's), (9, 58335), (10, 58392), (11, 58422),
(12, 58437), (13, 58467), (14, 58593),

Gene: Taptic_86 Start: 57999, Stop: 58310, Start Num: 7
Candidate Starts for Taptic_86:
(1, 57762), (2, 57771), (3, 57777), (4, 57885), (5, 57921), (6, 57930), (Start: 7 @57999 has 6 MA's),
(Start: 8 @58026 has 2 MA's), (9, 58041), (10, 58098), (11, 58128), (12, 58143), (13, 58173), (14,

58299),