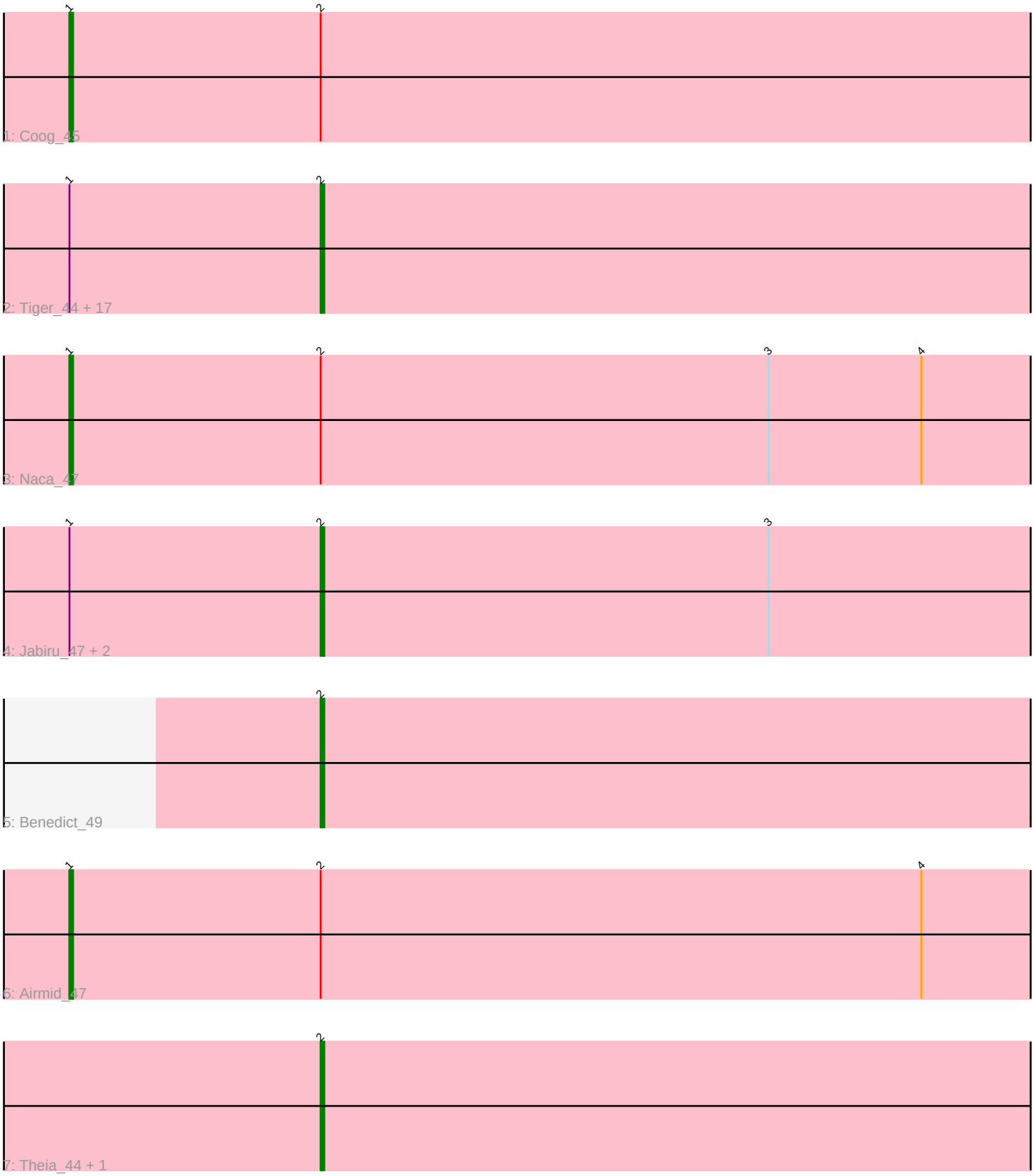
Pham 296857


1
2
1: Coog_45
1
2
2: Tiger_44 + 17
1
2
3
4
3: Naca_47
1
2
3
4: Jabiru_47 + 2
2
5: Benedict_49
1
2
4
6: Airmid_47
2
7: Theia_44 + 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 296857 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296857 has 27 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Coog_45
• Track 2 : Tiger_44, Bluefalcon_44, MarysWell_45, Midas2_45, AgentM_44, Aragog_44, UnionJack_47, Cuco_45, PetterN_50, ElTiger69_48, Jovo_45, PickleBack_45, Ghoulboy_48, Lev2_45, SydNat_48, Conspiracy_45, Zolita_47, ForGetIt_45
• Track 3 : Naca_47
• Track 4 : Jabiru_47, Scorpia_50, Chadwick_49
• Track 5 : Benedict_49
• Track 6 : Airmid_47
• Track 7 : Theia_44, Dublin_45

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 24 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AgentM_44, Aragog_44, Benedict_49, Bluefalcon_44, Chadwick_49, Conspiracy_45, Cuco_45, Dublin_45, ElTiger69_48, ForGetIt_45, Ghoulboy_48, Jabiru_47, Jovo_45, Lev2_45, MarysWell_45, Midas2_45, PetterN_50, PickleBack_45, Scorpia_50, SydNat_48, Theia_44, Tiger_44, UnionJack_47, Zolita_47,

Genes that have the "Most Annotated" start but do not call it:
• Airmid_47, Coog_45, Naca_47,

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

Summary by start number:

Start 1:
• Found in 24 of 27 (88.9%) of genes in pham
• Manual Annotations of this start: 3 of 27

• Called 12.5% of time when present
• Phage (with cluster) where this start called: Airmid_47 (A5), Coog_45 (A5), Naca_47 (A5),

Start 2:
• Found in 27 of 27 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 27
• Called 88.9% of time when present
• Phage (with cluster) where this start called: AgentM_44 (A5), Aragog_44 (A5), Benedict_49 (A5), Bluefalcon_44 (A5), Chadwick_49 (A5), Conspiracy_45 (A5), Cuco_45 (A5), Dublin_45 (A5), ElTiger69_48 (A5), ForGetIt_45 (A5), Ghoulboy_48 (A5), Jabiru_47 (A5), Jovo_45 (A5), Lev2_45 (A5), MarysWell_45 (A5), Midas2_45 (A5), PetterN_50 (A5), PickleBack_45 (A5), Scorpia_50 (A5), SydNat_48 (A5), Theia_44 (A5), Tiger_44 (A5), UnionJack_47 (A5), Zolita_47 (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 3 times for cluster A5.
•Start number 2 was manually annotated 24 times for cluster A5.

Gene Information:

Gene: AgentM_44 Start: 34563, Stop: 34327, Start Num: 2
Candidate Starts for AgentM_44:
(Start: 1 @34632 has 3 MA's), (Start: 2 @34563 has 24 MA's),

Gene: Airmid_47 Start: 34794, Stop: 34489, Start Num: 1
Candidate Starts for Airmid_47:
(Start: 1 @34794 has 3 MA's), (Start: 2 @34725 has 24 MA's), (4, 34560),

Gene: Aragog_44 Start: 34583, Stop: 34347, Start Num: 2
Candidate Starts for Aragog_44:
(Start: 1 @34652 has 3 MA's), (Start: 2 @34583 has 24 MA's),

Gene: Benedict_49 Start: 34952, Stop: 34716, Start Num: 2
Candidate Starts for Benedict_49:
(Start: 2 @34952 has 24 MA's),

Gene: Bluefalcon_44 Start: 35138, Stop: 34902, Start Num: 2
Candidate Starts for Bluefalcon_44:
(Start: 1 @35207 has 3 MA's), (Start: 2 @35138 has 24 MA's),

Gene: Chadwick_49 Start: 34763, Stop: 34527, Start Num: 2
Candidate Starts for Chadwick_49:
(Start: 1 @34832 has 3 MA's), (Start: 2 @34763 has 24 MA's), (3, 34640),

Gene: Conspiracy_45 Start: 34805, Stop: 34569, Start Num: 2
Candidate Starts for Conspiracy_45:

(Start: 1 @34874 has 3 MA's), (Start: 2 @34805 has 24 MA's),

Gene: Coog_45 Start: 35035, Stop: 34730, Start Num: 1
Candidate Starts for Coog_45:
(Start: 1 @35035 has 3 MA's), (Start: 2 @34966 has 24 MA's),

Gene: Cuco_45 Start: 34838, Stop: 34602, Start Num: 2
Candidate Starts for Cuco_45:
(Start: 1 @34907 has 3 MA's), (Start: 2 @34838 has 24 MA's),

Gene: Dublin_45 Start: 34974, Stop: 34738, Start Num: 2
Candidate Starts for Dublin_45:
(Start: 2 @34974 has 24 MA's),

Gene: ElTiger69_48 Start: 34934, Stop: 34698, Start Num: 2
Candidate Starts for ElTiger69_48:
(Start: 1 @35003 has 3 MA's), (Start: 2 @34934 has 24 MA's),

Gene: ForGetIt_45 Start: 34830, Stop: 34594, Start Num: 2
Candidate Starts for ForGetIt_45:
(Start: 1 @34899 has 3 MA's), (Start: 2 @34830 has 24 MA's),

Gene: Ghoulboy_48 Start: 35709, Stop: 35473, Start Num: 2
Candidate Starts for Ghoulboy_48:
(Start: 1 @35778 has 3 MA's), (Start: 2 @35709 has 24 MA's),

Gene: Jabiru_47 Start: 34807, Stop: 34571, Start Num: 2
Candidate Starts for Jabiru_47:
(Start: 1 @34876 has 3 MA's), (Start: 2 @34807 has 24 MA's), (3, 34684),

Gene: Jovo_45 Start: 35086, Stop: 34850, Start Num: 2
Candidate Starts for Jovo_45:
(Start: 1 @35155 has 3 MA's), (Start: 2 @35086 has 24 MA's),

Gene: Lev2_45 Start: 34718, Stop: 34482, Start Num: 2
Candidate Starts for Lev2_45:
(Start: 1 @34787 has 3 MA's), (Start: 2 @34718 has 24 MA's),

Gene: MarysWell_45 Start: 35217, Stop: 34981, Start Num: 2
Candidate Starts for MarysWell_45:
(Start: 1 @35286 has 3 MA's), (Start: 2 @35217 has 24 MA's),

Gene: Midas2_45 Start: 34966, Stop: 34730, Start Num: 2
Candidate Starts for Midas2_45:
(Start: 1 @35035 has 3 MA's), (Start: 2 @34966 has 24 MA's),

Gene: Naca_47 Start: 35412, Stop: 35107, Start Num: 1
Candidate Starts for Naca_47:
(Start: 1 @35412 has 3 MA's), (Start: 2 @35343 has 24 MA's), (3, 35220), (4, 35178),

Gene: PetterN_50 Start: 34931, Stop: 34695, Start Num: 2
Candidate Starts for PetterN_50:
(Start: 1 @35000 has 3 MA's), (Start: 2 @34931 has 24 MA's),

Gene: PickleBack_45 Start: 34710, Stop: 34474, Start Num: 2
Candidate Starts for PickleBack_45:
(Start: 1 @34779 has 3 MA's), (Start: 2 @34710 has 24 MA's),

Gene: Scorpia_50 Start: 35017, Stop: 34781, Start Num: 2
Candidate Starts for Scorpia_50:
(Start: 1 @35086 has 3 MA's), (Start: 2 @35017 has 24 MA's), (3, 34894),

Gene: SydNat_48 Start: 35718, Stop: 35482, Start Num: 2
Candidate Starts for SydNat_48:
(Start: 1 @35787 has 3 MA's), (Start: 2 @35718 has 24 MA's),

Gene: Theia_44 Start: 35195, Stop: 34959, Start Num: 2
Candidate Starts for Theia_44:
(Start: 2 @35195 has 24 MA's),

Gene: Tiger_44 Start: 34384, Stop: 34148, Start Num: 2
Candidate Starts for Tiger_44:
(Start: 1 @34453 has 3 MA's), (Start: 2 @34384 has 24 MA's),

Gene: UnionJack_47 Start: 34507, Stop: 34271, Start Num: 2
Candidate Starts for UnionJack_47:
(Start: 1 @34576 has 3 MA's), (Start: 2 @34507 has 24 MA's),

Gene: Zolita_47 Start: 35722, Stop: 35486, Start Num: 2
Candidate Starts for Zolita_47:
(Start: 1 @35791 has 3 MA's), (Start: 2 @35722 has 24 MA's),