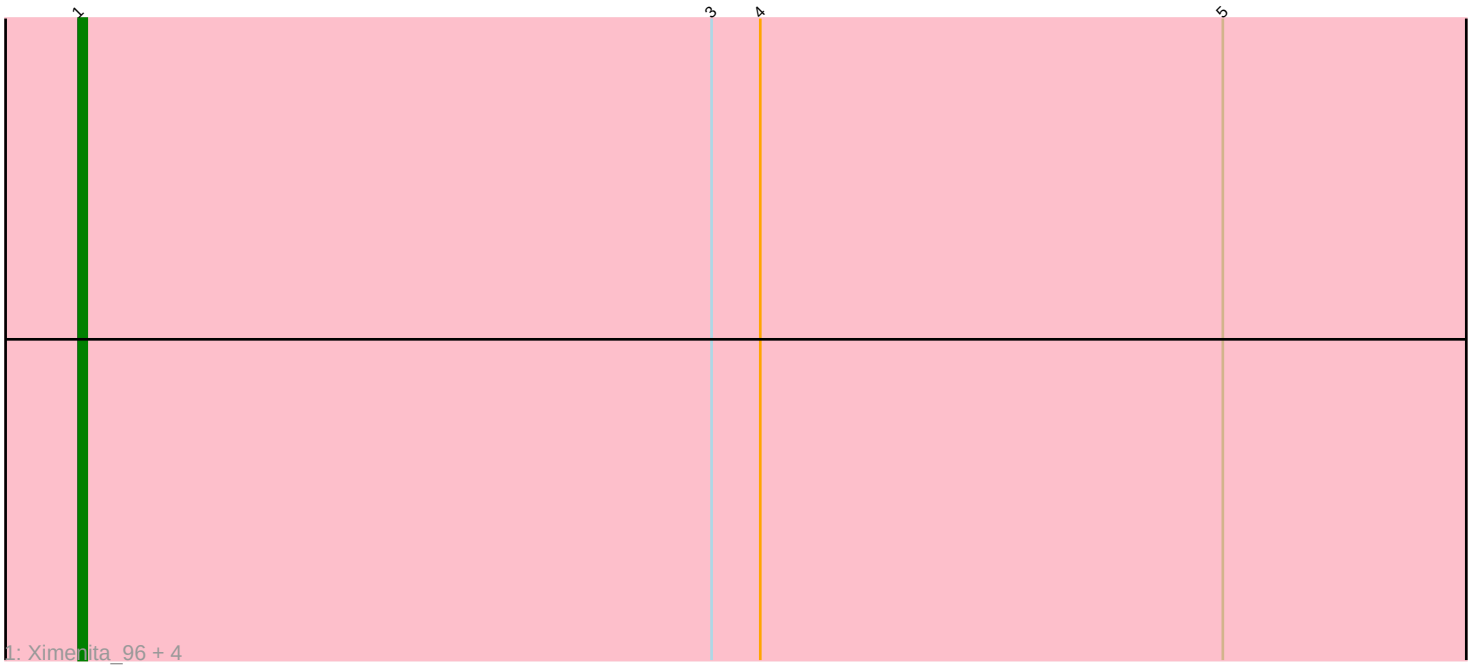
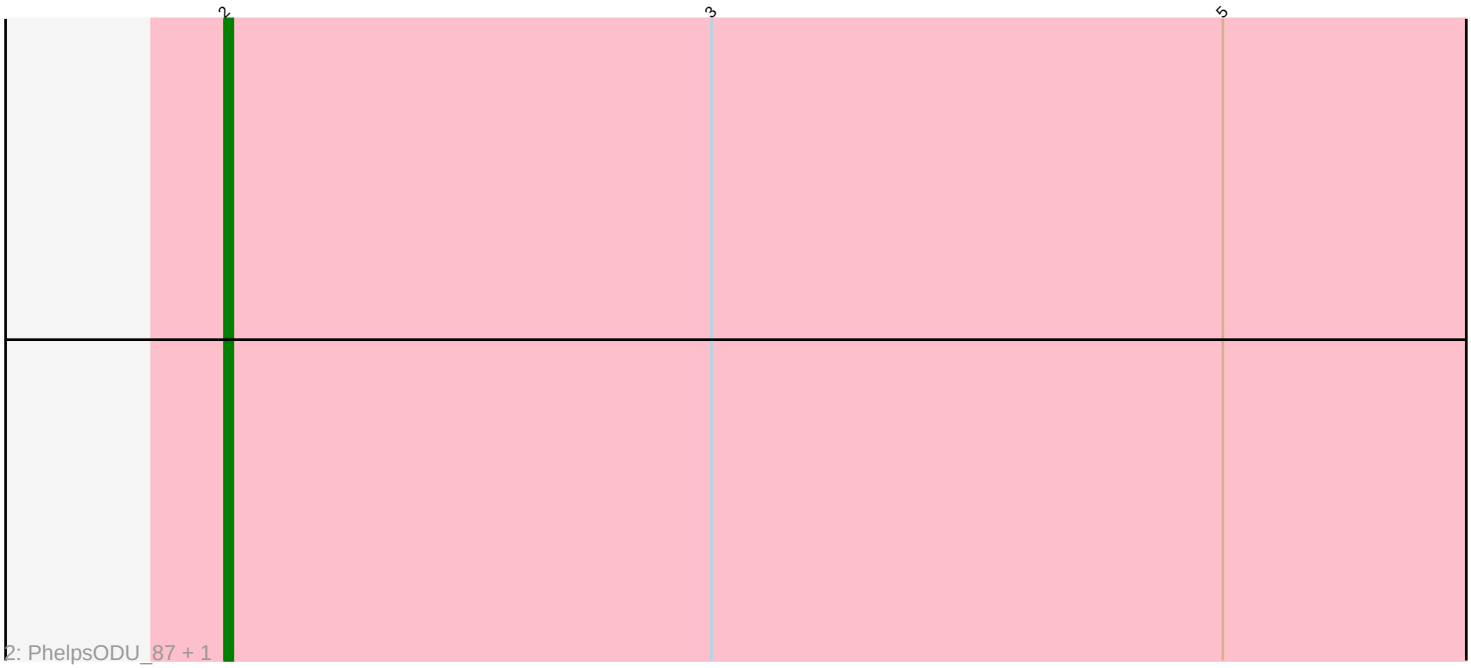
Pham 7013





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 7013 Report

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

Pham number 7013 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ximenita_96, Cain_97, Bryler_89, Pixie_91, TBond007_88
• Track 2 : PhelpsODU_87, Unicorn_97

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

Genes that call this "Most Annotated" start:
• Bryler_89, Cain_97, Pixie_91, TBond007_88, Ximenita_96,

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

Genes that do not have the "Most Annotated" start:
• PhelpsODU_87, Unicorn_97,

Summary by start number:

Start 1:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bryler_89 (K6), Cain_97 (K6), Pixie_91 (K3), TBond007_88 (K3), Ximenita_96 (K6),

Start 2:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PhelpsODU_87 (K6), Unicorn_97 (K6),

Summary by clusters:

There are 2 clusters represented in this pham: K3, K6,

Info for manual annotations of cluster K3:
•Start number 1 was manually annotated 2 times for cluster K3.

Info for manual annotations of cluster K6:
•Start number 1 was manually annotated 3 times for cluster K6.
•Start number 2 was manually annotated 2 times for cluster K6.

Gene Information:

Gene: Bryler_89 Start: 55200, Stop: 55382, Start Num: 1
Candidate Starts for Bryler_89:
(Start: 1 @55200 has 5 MA's), (3, 55278), (4, 55284), (5, 55341),

Gene: Cain_97 Start: 58347, Stop: 58529, Start Num: 1
Candidate Starts for Cain_97:
(Start: 1 @58347 has 5 MA's), (3, 58425), (4, 58431), (5, 58488),

Gene: PhelpsODU_87 Start: 54104, Stop: 54268, Start Num: 2
Candidate Starts for PhelpsODU_87:
(Start: 2 @54104 has 2 MA's), (3, 54164), (5, 54227),

Gene: Pixie_91 Start: 56768, Stop: 56950, Start Num: 1
Candidate Starts for Pixie_91:
(Start: 1 @56768 has 5 MA's), (3, 56846), (4, 56852), (5, 56909),

Gene: TBond007_88 Start: 56767, Stop: 56949, Start Num: 1
Candidate Starts for TBond007_88:
(Start: 1 @56767 has 5 MA's), (3, 56845), (4, 56851), (5, 56908),

Gene: Unicorn_97 Start: 58732, Stop: 58896, Start Num: 2
Candidate Starts for Unicorn_97:
(Start: 2 @58732 has 2 MA's), (3, 58792), (5, 58855),

Gene: Ximenita_96 Start: 58242, Stop: 58424, Start Num: 1
Candidate Starts for Ximenita_96:
(Start: 1 @58242 has 5 MA's), (3, 58320), (4, 58326), (5, 58383),