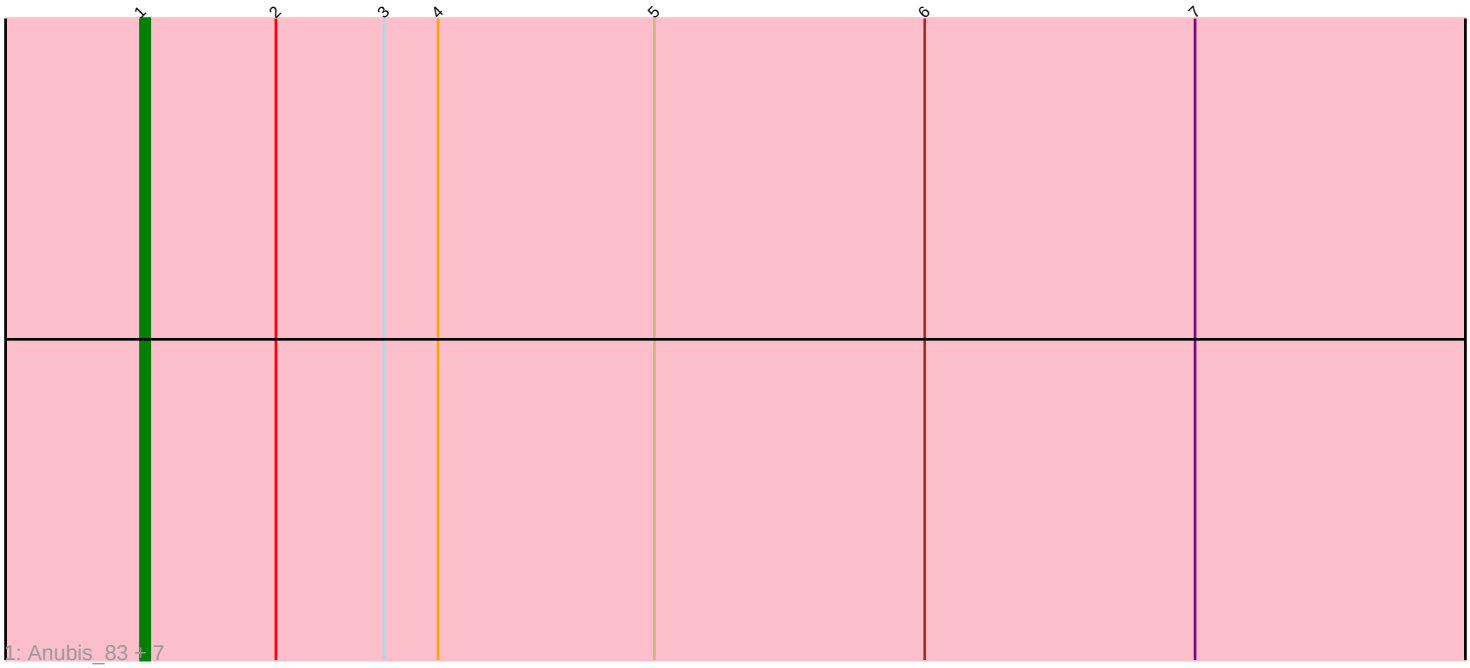
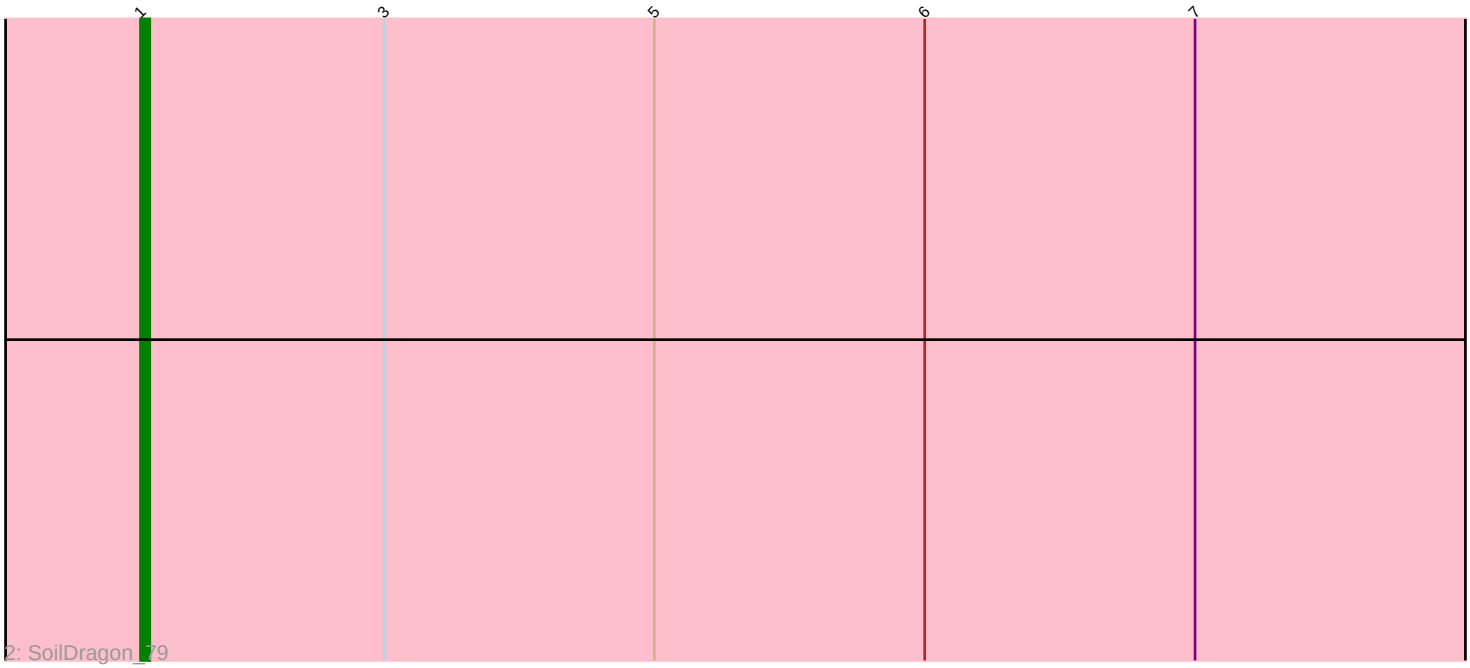
Pham 106886





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 106886 Report

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

Pham number 106886 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Anubis_83, Malinsilva_82, StepMih_79, Cullens_80, Grum1_79, Dieselweasel_80, Fernando_80, MoneyMay_79
• Track 2 : SoilDragon_79

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anubis_83, Cullens_80, Dieselweasel_80, Fernando_80, Grum1_79, Malinsilva_82, MoneyMay_79, SoilDragon_79, StepMih_79,

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

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

Summary by start number:

Start 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anubis_83 (A3), Cullens_80 (A3), Dieselweasel_80 (A3), Fernando_80 (A3), Grum1_79 (A3), Malinsilva_82 (A3), MoneyMay_79 (A3), SoilDragon_79 (A3), StepMih_79 (A3),

Summary by clusters:

There is one cluster represented in this pham: A3

Info for manual annotations of cluster A3:

•Start number 1 was manually annotated 9 times for cluster A3.

Gene Information:

Gene: Anubis_83 Start: 45092, Stop: 44937, Start Num: 1
Candidate Starts for Anubis_83:
(Start: 1 @45092 has 9 MA's), (2, 45077), (3, 45065), (4, 45059), (5, 45035), (6, 45005), (7, 44975),

Gene: Cullens_80 Start: 45208, Stop: 45053, Start Num: 1
Candidate Starts for Cullens_80:
(Start: 1 @45208 has 9 MA's), (2, 45193), (3, 45181), (4, 45175), (5, 45151), (6, 45121), (7, 45091),

Gene: Dieselweasel_80 Start: 45207, Stop: 45052, Start Num: 1
Candidate Starts for Dieselweasel_80:
(Start: 1 @45207 has 9 MA's), (2, 45192), (3, 45180), (4, 45174), (5, 45150), (6, 45120), (7, 45090),

Gene: Fernando_80 Start: 45208, Stop: 45053, Start Num: 1
Candidate Starts for Fernando_80:
(Start: 1 @45208 has 9 MA's), (2, 45193), (3, 45181), (4, 45175), (5, 45151), (6, 45121), (7, 45091),

Gene: Grum1_79 Start: 45208, Stop: 45053, Start Num: 1
Candidate Starts for Grum1_79:
(Start: 1 @45208 has 9 MA's), (2, 45193), (3, 45181), (4, 45175), (5, 45151), (6, 45121), (7, 45091),

Gene: Malinsilva_82 Start: 45197, Stop: 45042, Start Num: 1
Candidate Starts for Malinsilva_82:
(Start: 1 @45197 has 9 MA's), (2, 45182), (3, 45170), (4, 45164), (5, 45140), (6, 45110), (7, 45080),

Gene: MoneyMay_79 Start: 45208, Stop: 45053, Start Num: 1
Candidate Starts for MoneyMay_79:
(Start: 1 @45208 has 9 MA's), (2, 45193), (3, 45181), (4, 45175), (5, 45151), (6, 45121), (7, 45091),

Gene: SoilDragon_79 Start: 44649, Stop: 44494, Start Num: 1
Candidate Starts for SoilDragon_79:
(Start: 1 @44649 has 9 MA's), (3, 44622), (5, 44592), (6, 44562), (7, 44532),

Gene: StepMih_79 Start: 45199, Stop: 45044, Start Num: 1
Candidate Starts for StepMih_79:
(Start: 1 @45199 has 9 MA's), (2, 45184), (3, 45172), (4, 45166), (5, 45142), (6, 45112), (7, 45082),