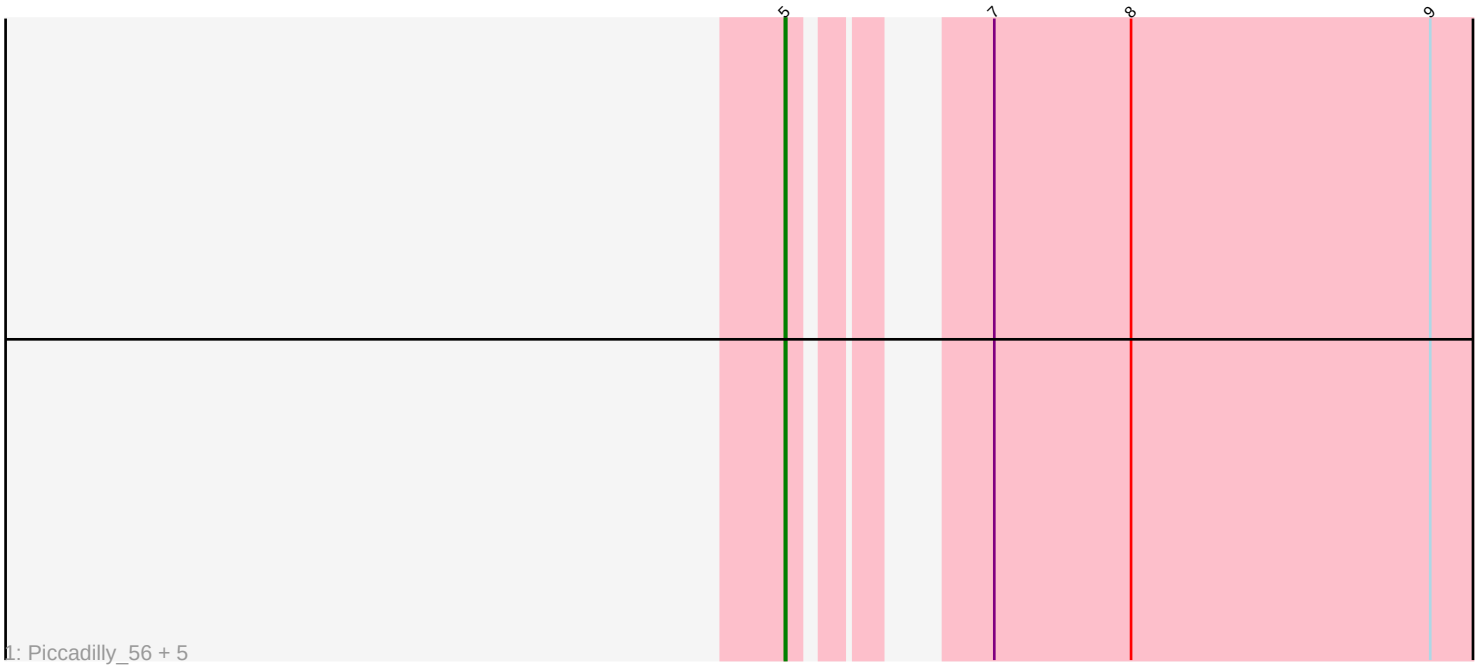
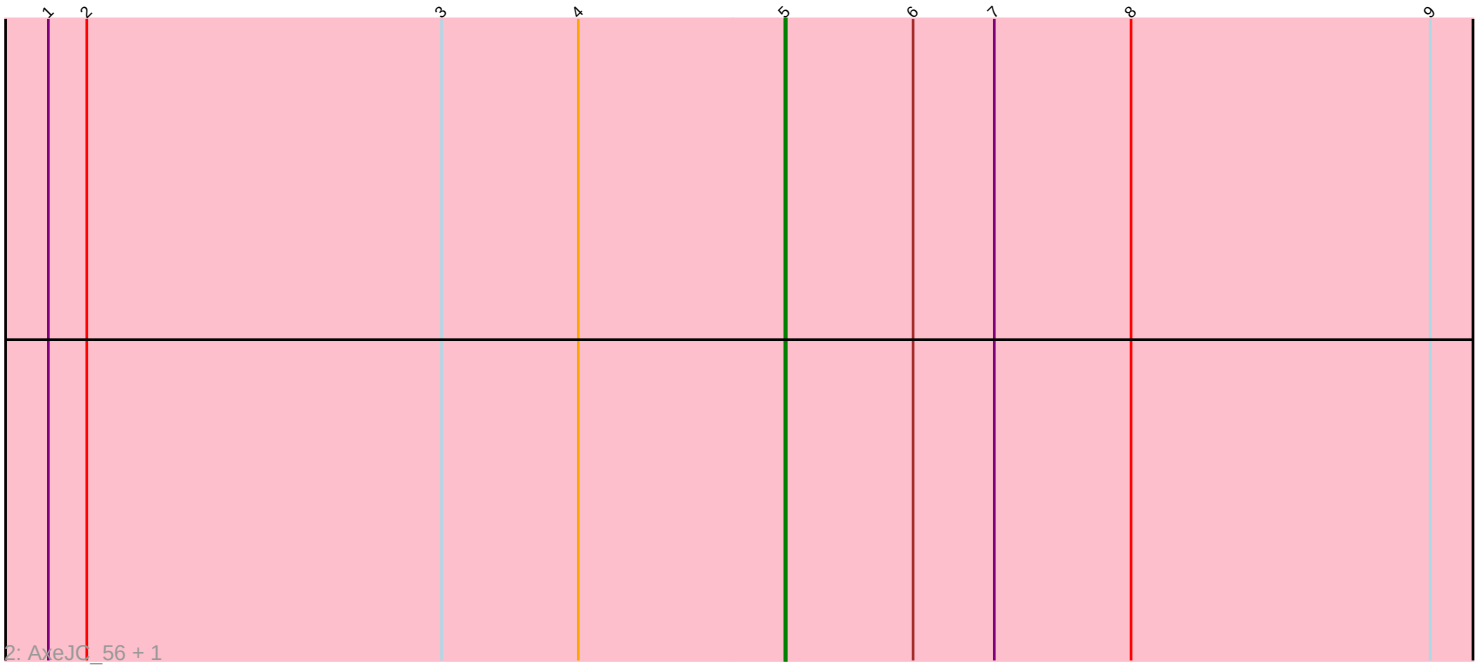
Pham 87859





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 87859 Report

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

Pham number 87859 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Piccadilly_56, Vondra_55, Ignacio_56, Eastland_56, HFrancette_57, Cumberbatch_57
• Track 2 : AxeJC_56, Eklok_56

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AxeJC_56, Cumberbatch_57, Eastland_56, Eklok_56, HFrancette_57, Ignacio_56, Piccadilly_56, Vondra_55,

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 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AxeJC_56 (BP), Cumberbatch_57 (BP), Eastland_56 (BP), Eklok_56 (BP), HFrancette_57 (BP), Ignacio_56 (BP), Piccadilly_56 (BP), Vondra_55 (BP),

Summary by clusters:

There is one cluster represented in this pham: BP

Info for manual annotations of cluster BP:

•Start number 5 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: AxeJC_56 Start: 36112, Stop: 36621, Start Num: 5
Candidate Starts for AxeJC_56:
(1, 35596), (2, 35623), (3, 35872), (4, 35968), (Start: 5 @36112 has 8 MA's), (6, 36202), (7, 36259), (8, 36355), (9, 36565),

Gene: Cumberbatch_57 Start: 35989, Stop: 36438, Start Num: 5
Candidate Starts for Cumberbatch_57:
(Start: 5 @35989 has 8 MA's), (7, 36076), (8, 36172), (9, 36382),

Gene: Eastland_56 Start: 35949, Stop: 36398, Start Num: 5
Candidate Starts for Eastland_56:
(Start: 5 @35949 has 8 MA's), (7, 36036), (8, 36132), (9, 36342),

Gene: Eklok_56 Start: 35756, Stop: 36265, Start Num: 5
Candidate Starts for Eklok_56:
(1, 35240), (2, 35267), (3, 35516), (4, 35612), (Start: 5 @35756 has 8 MA's), (6, 35846), (7, 35903), (8, 35999), (9, 36209),

Gene: HFrancette_57 Start: 36637, Stop: 37086, Start Num: 5
Candidate Starts for HFrancette_57:
(Start: 5 @36637 has 8 MA's), (7, 36724), (8, 36820), (9, 37030),

Gene: Ignacio_56 Start: 36540, Stop: 36989, Start Num: 5
Candidate Starts for Ignacio_56:
(Start: 5 @36540 has 8 MA's), (7, 36627), (8, 36723), (9, 36933),

Gene: Piccadilly_56 Start: 35948, Stop: 36397, Start Num: 5
Candidate Starts for Piccadilly_56:
(Start: 5 @35948 has 8 MA's), (7, 36035), (8, 36131), (9, 36341),

Gene: Vondra_55 Start: 35534, Stop: 35983, Start Num: 5
Candidate Starts for Vondra_55:
(Start: 5 @35534 has 8 MA's), (7, 35621), (8, 35717), (9, 35927),