Pham 88202

1: BirdInFrench_90 + 2

2: Marcie_96

3: Tempo_92 + 2

4: Fregley_92

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 88202 Report

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

Pham number 88202 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BirdInFrench_90, Pepe25_88, Wilca_90
• Track 2 : Marcie_96
• Track 3 : Tempo_92, CandC_89, Kelcole_90
• Track 4 : Fregley_92

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CandC_89, Kelcole_90, Marcie_96, Tempo_92,

Genes that have the "Most Annotated" start but do not call it:
• BirdInFrench_90, Fregley_92, Pepe25_88, Wilca_90,

Genes that do not have the "Most Annotated" start:
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Summary by start number:

Start 1:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CandC_89 (EG), Kelcole_90 (EG), Marcie_96 (EG), Tempo_92 (EG),

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_90 (EG), Fregley_92 (EG), Pepe25_88 (EG), Wilca_90 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 1 was manually annotated 4 times for cluster EG.
•Start number 2 was manually annotated 2 times for cluster EG.

Gene Information:
Gene: BirdInFrench_90 Start: 54913, Stop: 54515, Start Num: 2
Candidate Starts for BirdInFrench_90:
(Start: 1 @54916 has 4 MA's), (Start: 2 @54913 has 2 MA's), (3, 54874), (4, 54805), (5, 54775), (6, 54712), (7, 54640), (8, 54607), (9, 54547),

Gene: CandC_89 Start: 54736, Stop: 54335, Start Num: 1
Candidate Starts for CandC_89:
(Start: 1 @54736 has 4 MA's), (Start: 2 @54733 has 2 MA's), (4, 54625), (5, 54595), (7, 54460), (8, 54427), (9, 54367),

Gene: Fregley_92 Start: 55082, Stop: 54684, Start Num: 2
Candidate Starts for Fregley_92:
(Start: 1 @55085 has 4 MA's), (Start: 2 @55082 has 2 MA's), (4, 54974), (5, 54944), (7, 54809), (8, 54776), (9, 54716),

Gene: Kelcole_90 Start: 55308, Stop: 54907, Start Num: 1
Candidate Starts for Kelcole_90:
(Start: 1 @55308 has 4 MA's), (Start: 2 @55305 has 2 MA's), (4, 55197), (5, 55167), (7, 55032), (8, 54999), (9, 54939),

Gene: Marcie_96 Start: 55785, Stop: 55384, Start Num: 1
Candidate Starts for Marcie_96:
(Start: 1 @55785 has 4 MA's), (Start: 2 @55782 has 2 MA's), (3, 55743), (4, 55674), (5, 55644), (6, 55581), (7, 55509), (9, 55416),

Gene: Pepe25_88 Start: 53832, Stop: 53434, Start Num: 2
Candidate Starts for Pepe25_88:
(Start: 1 @53835 has 4 MA's), (Start: 2 @53832 has 2 MA's), (3, 53793), (4, 53724), (5, 53694), (6, 53631), (7, 53559), (8, 53526), (9, 53466),

Gene: Tempo_92 Start: 55417, Stop: 55016, Start Num: 1
Candidate Starts for Tempo_92:
(Start: 1 @55417 has 4 MA's), (Start: 2 @55414 has 2 MA's), (4, 55306), (5, 55276), (7, 55141), (8, 55108), (9, 55048),

Gene: Wilca_90 Start: 54913, Stop: 54515, Start Num: 2
Candidate Starts for Wilca_90:
(Start: 1 @54916 has 4 MA's), (Start: 2 @54913 has 2 MA's), (3, 54874), (4, 54805), (5, 54775), (6, 54712), (7, 54640), (8, 54607), (9, 54547),