



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 7195 Report

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

Pham number 7195 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : BirdInFrench_70, Wilca_70
- Track 2 : OneinaGillian_69, Kelcole_70, CandC_68, Tempo_71, Fregley_71
- Track 3 : Romm_72, RobinRose_72
- Track 4 : Marcie_77
- Track 5 : Pepe25_68

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CandC_68, Fregley_71, Kelcole_70, OneinaGillian_69, RobinRose_72, Romm_72, Tempo_71,

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

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

- BirdInFrench_70, Marcie_77, Pepe25_68, Wilca_70,

Summary by start number:

Start 2:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CandC_68 (EG), Fregley_71 (EG), Kelcole_70 (EG), OneinaGillian_69 (EG), RobinRose_72 (EG), Romm_72 (EG), Tempo_71 (EG),

Start 3:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 2 of 8

- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_70 (EG), Marcie_77 (EG), Pepe25_68 (EG), Wilca_70 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 2 was manually annotated 6 times for cluster EG.
- Start number 3 was manually annotated 2 times for cluster EG.

Gene Information:

Gene: BirdInFrench_70 Start: 45269, Stop: 45102, Start Num: 3

Candidate Starts for BirdInFrench_70:

(Start: 3 @45269 has 2 MA's), (4, 45230), (7, 45113),

Gene: CandC_68 Start: 44471, Stop: 44304, Start Num: 2

Candidate Starts for CandC_68:

(Start: 2 @44471 has 6 MA's), (4, 44432), (5, 44390),

Gene: Fregley_71 Start: 44820, Stop: 44653, Start Num: 2

Candidate Starts for Fregley_71:

(Start: 2 @44820 has 6 MA's), (4, 44781), (5, 44739),

Gene: Kelcole_70 Start: 45043, Stop: 44876, Start Num: 2

Candidate Starts for Kelcole_70:

(Start: 2 @45043 has 6 MA's), (4, 45004), (5, 44962),

Gene: Marcie_77 Start: 45939, Stop: 45772, Start Num: 3

Candidate Starts for Marcie_77:

(1, 46161), (Start: 3 @45939 has 2 MA's), (4, 45900), (7, 45783),

Gene: OneinaGillian_69 Start: 44578, Stop: 44411, Start Num: 2

Candidate Starts for OneinaGillian_69:

(Start: 2 @44578 has 6 MA's), (4, 44539), (5, 44497),

Gene: Pepe25_68 Start: 44188, Stop: 44021, Start Num: 3

Candidate Starts for Pepe25_68:

(1, 44410), (Start: 3 @44188 has 2 MA's), (4, 44149), (7, 44032),

Gene: RobinRose_72 Start: 45227, Stop: 45060, Start Num: 2

Candidate Starts for RobinRose_72:

(Start: 2 @45227 has 6 MA's), (4, 45188), (5, 45146), (6, 45140),

Gene: Romm_72 Start: 45224, Stop: 45057, Start Num: 2

Candidate Starts for Romm_72:

(Start: 2 @45224 has 6 MA's), (4, 45185), (5, 45143), (6, 45137),

Gene: Tempo_71 Start: 45167, Stop: 45000, Start Num: 2

Candidate Starts for Tempo_71:

(Start: 2 @45167 has 6 MA's), (4, 45128), (5, 45086),

Gene: Wilca_70 Start: 45269, Stop: 45102, Start Num: 3

Candidate Starts for Wilca_70:

(Start: 3 @45269 has 2 MA's), (4, 45230), (7, 45113),