



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 5628 Report

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

Pham number 5628 has 14 members, 3 are drafts.

Phages represented in each track:

- Track 1 : RobinRose_98, Fregley_96, CandC_94, Romm_98, OneinaGillian_93, Kelcole_95, Tempo_97
- Track 2 : RubyRalph_88, SadLad_90, Fransoyer_88
- Track 3 : BirdInFrench_94, Wilca_94, Pepe25_92
- Track 4 : Marcie_100

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CandC_94, Fransoyer_88, Fregley_96, Kelcole_95, OneinaGillian_93, RobinRose_98, Romm_98, RubyRalph_88, SadLad_90, Tempo_97,

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_94, Marcie_100, Pepe25_92, Wilca_94,

Summary by start number:

Start 2:

- Found in 4 of 14 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_94 (EG), Marcie_100 (EG), Pepe25_92 (EG), Wilca_94 (EG),

Start 3:

- Found in 10 of 14 (71.4%) of genes in pham
- Manual Annotations of this start: 9 of 11
- Called 100.0% of time when present

- Phage (with cluster) where this start called: CandC_94 (EG), Fransoyer_88 (EG), Fregley_96 (EG), Kelcole_95 (EG), OneinaGillian_93 (EG), RobinRose_98 (EG), Romm_98 (EG), RubyRalph_88 (EG), SadLad_90 (EG), Tempo_97 (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 2 times for cluster EG.
- Start number 3 was manually annotated 9 times for cluster EG.

Gene Information:

Gene: BirdInFrench_94 Start: 56541, Stop: 56362, Start Num: 2

Candidate Starts for BirdInFrench_94:

(1, 56634), (Start: 2 @56541 has 2 MA's),

Gene: CandC_94 Start: 56661, Stop: 56485, Start Num: 3

Candidate Starts for CandC_94:

(Start: 3 @56661 has 9 MA's), (4, 56556),

Gene: Fransoyer_88 Start: 55972, Stop: 55796, Start Num: 3

Candidate Starts for Fransoyer_88:

(Start: 3 @55972 has 9 MA's), (4, 55867), (5, 55807),

Gene: Fregley_96 Start: 56707, Stop: 56531, Start Num: 3

Candidate Starts for Fregley_96:

(Start: 3 @56707 has 9 MA's), (4, 56602),

Gene: Kelcole_95 Start: 57214, Stop: 57038, Start Num: 3

Candidate Starts for Kelcole_95:

(Start: 3 @57214 has 9 MA's), (4, 57109),

Gene: Marcie_100 Start: 57420, Stop: 57241, Start Num: 2

Candidate Starts for Marcie_100:

(Start: 2 @57420 has 2 MA's),

Gene: OneinaGillian_93 Start: 56119, Stop: 55943, Start Num: 3

Candidate Starts for OneinaGillian_93:

(Start: 3 @56119 has 9 MA's), (4, 56014),

Gene: Pepe25_92 Start: 55460, Stop: 55281, Start Num: 2

Candidate Starts for Pepe25_92:

(1, 55553), (Start: 2 @55460 has 2 MA's),

Gene: RobinRose_98 Start: 57286, Stop: 57110, Start Num: 3

Candidate Starts for RobinRose_98:

(Start: 3 @57286 has 9 MA's), (4, 57181),

Gene: Romm_98 Start: 57283, Stop: 57107, Start Num: 3

Candidate Starts for Romm_98:
(Start: 3 @57283 has 9 MA's), (4, 57178),

Gene: RubyRalph_88 Start: 55573, Stop: 55397, Start Num: 3
Candidate Starts for RubyRalph_88:
(Start: 3 @55573 has 9 MA's), (4, 55468), (5, 55408),

Gene: SadLad_90 Start: 56700, Stop: 56524, Start Num: 3
Candidate Starts for SadLad_90:
(Start: 3 @56700 has 9 MA's), (4, 56595), (5, 56535),

Gene: Tempo_97 Start: 57323, Stop: 57147, Start Num: 3
Candidate Starts for Tempo_97:
(Start: 3 @57323 has 9 MA's), (4, 57218),

Gene: Wilca_94 Start: 56541, Stop: 56362, Start Num: 2
Candidate Starts for Wilca_94:
(1, 56634), (Start: 2 @56541 has 2 MA's),