



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 87201 Report

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

Pham number 87201 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_100, Phrappuccino_100
- Track 2 : Stormageddon_170, RedWattleHog_169
- Track 3 : PR_60, GodPhather_61, Argie_61, Jeon_60, Taptic_60, D12_59, Cepens_60, Megabear_60

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 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argie_61, Cepens_60, D12_59, GodPhather_61, Jeon_60, Megabear_60, PR_60, Taptic_60,

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

- Phrappuccino_100, Settecandela_100,

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

- RedWattleHog_169, Stormageddon_170,

Summary by start number:

Start 2:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrappuccino_100 (AA), RedWattleHog_169 (DX), Settecandela_100 (AA), Stormageddon_170 (DX),

Start 3:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 8 of 12
- Called 80.0% of time when present

- Phage (with cluster) where this start called: Argie_61 (W), Cepens_60 (W), D12_59 (W), GodPhather_61 (W), Jeon_60 (W), Megabear_60 (W), PR_60 (W), Taptic_60 (W),

Summary by clusters:

There are 3 clusters represented in this pham: AA, DX, W,

Info for manual annotations of cluster AA:

- Start number 2 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster DX:

- Start number 2 was manually annotated 2 times for cluster DX.

Info for manual annotations of cluster W:

- Start number 3 was manually annotated 8 times for cluster W.

Gene Information:

Gene: Argie_61 Start: 47568, Stop: 47759, Start Num: 3

Candidate Starts for Argie_61:

(Start: 3 @47568 has 8 MA's), (7, 47682), (8, 47685), (12, 47736), (13, 47748),

Gene: Cepens_60 Start: 47283, Stop: 47474, Start Num: 3

Candidate Starts for Cepens_60:

(Start: 3 @47283 has 8 MA's), (7, 47397), (8, 47400), (12, 47451), (13, 47463),

Gene: D12_59 Start: 47831, Stop: 48022, Start Num: 3

Candidate Starts for D12_59:

(Start: 3 @47831 has 8 MA's), (7, 47945), (8, 47948), (12, 47999), (13, 48011),

Gene: GodPhather_61 Start: 48070, Stop: 48261, Start Num: 3

Candidate Starts for GodPhather_61:

(Start: 3 @48070 has 8 MA's), (7, 48184), (8, 48187), (12, 48238), (13, 48250),

Gene: Jeon_60 Start: 47761, Stop: 47952, Start Num: 3

Candidate Starts for Jeon_60:

(Start: 3 @47761 has 8 MA's), (7, 47875), (8, 47878), (12, 47929), (13, 47941),

Gene: Megabear_60 Start: 47204, Stop: 47395, Start Num: 3

Candidate Starts for Megabear_60:

(Start: 3 @47204 has 8 MA's), (7, 47318), (8, 47321), (12, 47372), (13, 47384),

Gene: PR_60 Start: 47808, Stop: 47999, Start Num: 3

Candidate Starts for PR_60:

(Start: 3 @47808 has 8 MA's), (7, 47922), (8, 47925), (12, 47976), (13, 47988),

Gene: Phrappuccino_100 Start: 75617, Stop: 75838, Start Num: 2

Candidate Starts for Phrappuccino_100:

(Start: 2 @75617 has 4 MA's), (Start: 3 @75620 has 8 MA's), (5, 75710), (9, 75743), (10, 75761), (11, 75770), (13, 75800),

Gene: RedWattleHog_169 Start: 110189, Stop: 110383, Start Num: 2

Candidate Starts for RedWattleHog_169:

(1, 110177), (Start: 2 @110189 has 4 MA's), (4, 110204), (6, 110282), (9, 110309), (13, 110366), (14, 110378),

Gene: Settecandela_100 Start: 75617, Stop: 75838, Start Num: 2

Candidate Starts for Settecandela_100:

(Start: 2 @75617 has 4 MA's), (Start: 3 @75620 has 8 MA's), (5, 75710), (9, 75743), (10, 75761), (11, 75770), (13, 75800),

Gene: Stormageddon_170 Start: 111154, Stop: 111348, Start Num: 2

Candidate Starts for Stormageddon_170:

(1, 111142), (Start: 2 @111154 has 4 MA's), (4, 111169), (6, 111247), (9, 111274), (13, 111331), (14, 111343),

Gene: Taptic_60 Start: 47204, Stop: 47395, Start Num: 3

Candidate Starts for Taptic_60:

(Start: 3 @47204 has 8 MA's), (7, 47318), (8, 47321), (12, 47372), (13, 47384),