



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 309965 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309965 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Francesca_13, Dorin_14
- Track 2 : Yvonnetastic_111
- Track 3 : Kuwabara_44
- Track 4 : MiaZeal_153, Porcelain_150, Lucky2013_146
- Track 5 : Magritte_210

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

Genes that call this "Most Annotated" start:

- Kuwabara_44, Lucky2013_146, MiaZeal_153, Porcelain_150,

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:

- Dorin_14, Francesca_13, Magritte_210, Yvonnetastic_111,

Summary by start number:

Start 2:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Magritte_210 (singleton),

Start 3:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kuwabara_44 (DN4), Lucky2013_146 (J), MiaZeal_153 (J), Porcelain_150 (J),

Start 4:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_14 (CG), Francesca_13 (CG), Yvonnestic_111 (DD),

Summary by clusters:

There are 5 clusters represented in this pham: DN4, singleton, J, CG, DD,

Info for manual annotations of cluster CG:

- Start number 4 was manually annotated 2 times for cluster CG.

Info for manual annotations of cluster DD:

- Start number 4 was manually annotated 1 time for cluster DD.

Info for manual annotations of cluster DN4:

- Start number 3 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster J:

- Start number 3 was manually annotated 3 times for cluster J.

Gene Information:

Gene: Dorin_14 Start: 6604, Stop: 6365, Start Num: 4

Candidate Starts for Dorin_14:

(Start: 4 @6604 has 3 MA's), (5, 6589), (13, 6427),

Gene: Francesca_13 Start: 6726, Stop: 6487, Start Num: 4

Candidate Starts for Francesca_13:

(Start: 4 @6726 has 3 MA's), (5, 6711), (13, 6549),

Gene: Kuwabara_44 Start: 31046, Stop: 31282, Start Num: 3

Candidate Starts for Kuwabara_44:

(Start: 3 @31046 has 4 MA's), (7, 31103), (8, 31151), (10, 31190), (11, 31220), (13, 31226), (14, 31241),

Gene: Lucky2013_146 Start: 77296, Stop: 77532, Start Num: 3

Candidate Starts for Lucky2013_146:

(Start: 3 @77296 has 4 MA's), (6, 77320), (13, 77482), (16, 77503),

Gene: Magritte_210 Start: 113414, Stop: 113659, Start Num: 2

Candidate Starts for Magritte_210:

(Start: 2 @113414 has 1 MA's), (6, 113453), (9, 113585), (15, 113645),

Gene: MiaZeal_153 Start: 78443, Stop: 78679, Start Num: 3

Candidate Starts for MiaZeal_153:

(Start: 3 @78443 has 4 MA's), (6, 78467), (13, 78629), (16, 78650),

Gene: Porcelain_150 Start: 78242, Stop: 78478, Start Num: 3
Candidate Starts for Porcelain_150:
(Start: 3 @78242 has 4 MA's), (6, 78266), (13, 78428), (16, 78449),

Gene: Yvonnetastic_111 Start: 63301, Stop: 63534, Start Num: 4
Candidate Starts for Yvonnetastic_111:
(1, 63265), (Start: 4 @63301 has 3 MA's), (12, 63484),