



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 87282 Report

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

Pham number 87282 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Crossroads_142, MkaliMitinis3_141, Loadrie_141, Vetrix_139
- Track 2 : Wilder_142, Gardann_139, Nicholasp3_141, Kahlid_140
- Track 3 : Bazzle_138
- Track 4 : GuuelaD_138
- Track 5 : Krypton555_139, Whirlwind_139

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

Genes that call this "Most Annotated" start:

- Bazzle_138, Crossroads_142, Gardann_139, GuuelaD_138, Kahlid_140, Loadrie_141, MkaliMitinis3_141, Nicholasp3_141, Vetrix_139, Wilder_142,

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:

- Krypton555_139, Whirlwind_139,

Summary by start number:

Start 3:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 10 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bazzle_138 (L2), Crossroads_142 (L2), Gardann_139 (L2), GuuelaD_138 (L2), Kahlid_140 (L2), Loadrie_141 (L2), MkaliMitinis3_141 (L2), Nicholasp3_141 (L2), Vetrix_139 (L2), Wilder_142 (L2),

Start 4:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 12

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Krypton555_139 (L3), Whirlwind_139 (L3),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L3,

Info for manual annotations of cluster L2:

- Start number 3 was manually annotated 10 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 4 was manually annotated 2 times for cluster L3.

Gene Information:

Gene: Bazzle_138 Start: 75166, Stop: 75041, Start Num: 3

Candidate Starts for Bazzle_138:

(Start: 3 @75166 has 10 MA's),

Gene: Crossroads_142 Start: 74743, Stop: 74618, Start Num: 3

Candidate Starts for Crossroads_142:

(1, 74803), (2, 74773), (Start: 3 @74743 has 10 MA's), (6, 74689), (9, 74650),

Gene: Gardann_139 Start: 74578, Stop: 74453, Start Num: 3

Candidate Starts for Gardann_139:

(Start: 3 @74578 has 10 MA's), (6, 74524), (9, 74485),

Gene: GuuelaD_138 Start: 74901, Stop: 74773, Start Num: 3

Candidate Starts for GuuelaD_138:

(Start: 3 @74901 has 10 MA's), (5, 74862), (7, 74844),

Gene: Kahlid_140 Start: 74490, Stop: 74365, Start Num: 3

Candidate Starts for Kahlid_140:

(Start: 3 @74490 has 10 MA's), (6, 74436), (9, 74397),

Gene: Krypton555_139 Start: 74628, Stop: 74515, Start Num: 4

Candidate Starts for Krypton555_139:

(Start: 4 @74628 has 2 MA's), (5, 74595), (8, 74559),

Gene: Loadrie_141 Start: 75081, Stop: 74956, Start Num: 3

Candidate Starts for Loadrie_141:

(1, 75141), (2, 75111), (Start: 3 @75081 has 10 MA's), (6, 75027), (9, 74988),

Gene: MkaliMitinis3_141 Start: 74458, Stop: 74333, Start Num: 3

Candidate Starts for MkaliMitinis3_141:

(1, 74518), (2, 74488), (Start: 3 @74458 has 10 MA's), (6, 74404), (9, 74365),

Gene: Nicholasp3_141 Start: 74388, Stop: 74263, Start Num: 3

Candidate Starts for Nicholasp3_141:

(Start: 3 @74388 has 10 MA's), (6, 74334), (9, 74295),

Gene: Vetrix_139 Start: 75117, Stop: 74992, Start Num: 3

Candidate Starts for Vetrix_139:

(1, 75177), (2, 75147), (Start: 3 @75117 has 10 MA's), (6, 75063), (9, 75024),

Gene: Whirlwind_139 Start: 74773, Stop: 74660, Start Num: 4

Candidate Starts for Whirlwind_139:

(Start: 4 @74773 has 2 MA's), (5, 74740), (8, 74704),

Gene: Wilder_142 Start: 74344, Stop: 74219, Start Num: 3

Candidate Starts for Wilder_142:

(Start: 3 @74344 has 10 MA's), (6, 74290), (9, 74251),