Pham 87192



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 87192 Report

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

Pham number 87192 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ariel_178, LittleE_182, MiaZeal_180, Courthouse_174
- Track 2 : Squint_171, Gonephishing_171, Superphikiman_175
- Track 3 : Lucky2013_173, Omega_185
- Track 4 : Hannaconda_169, KashFlow_174
- Track 5 : Porcelain_177
- Track 6 : Gaia_144
- Track 7 : Nebkiss_140

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 7 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start: • Gaia_144, Gonephishing_171, Hannaconda_169, KashFlow_174, Nebkiss_140, Porcelain_177, Squint_171, Superphikiman_175,

Genes that have the "Most Annotated" start but do not call it: • Ariel_178, Courthouse_174, LittleE_182, Lucky2013_173, MiaZeal_180, Omega_185,

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

Summary by start number:

Start 2:

- Found in 12 of 14 (85.7%) of genes in pham
- Manual Annotations of this start: 6 of 13
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Ariel_178 (J), Courthouse_174 (J),
- LittleE_182 (J), Lucky2013_173 (J), MiaZeal_180 (J), Omega_185 (J),

Start 3:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 13
- Called 57.1% of time when present

• Phage (with cluster) where this start called: Gaia_144 (X), Gonephishing_171 (J), Hannaconda_169 (J), KashFlow_174 (J), Nebkiss_140 (X), Porcelain_177 (J), Squint 171 (J), Superphikiman 175 (J),

Summary by clusters:

There are 2 clusters represented in this pham: X, J,

Info for manual annotations of cluster J:Start number 2 was manually annotated 6 times for cluster J.Start number 3 was manually annotated 5 times for cluster J.

Info for manual annotations of cluster X: •Start number 3 was manually annotated 2 times for cluster X.

Gene Information:

Gene: Ariel_178 Start: 88726, Stop: 88947, Start Num: 2 Candidate Starts for Ariel_178: (Start: 2 @88726 has 6 MA's), (Start: 3 @88729 has 7 MA's), (9, 88846), (11, 88912),

Gene: Courthouse_174 Start: 89170, Stop: 89391, Start Num: 2 Candidate Starts for Courthouse_174: (Start: 2 @89170 has 6 MA's), (Start: 3 @89173 has 7 MA's), (9, 89290), (11, 89356),

Gene: Gaia_144 Start: 77393, Stop: 77599, Start Num: 3 Candidate Starts for Gaia_144: (1, 77387), (Start: 3 @77393 has 7 MA's), (7, 77471), (10, 77540), (12, 77579),

Gene: Gonephishing_171 Start: 89990, Stop: 90208, Start Num: 3 Candidate Starts for Gonephishing_171: (Start: 2 @89987 has 6 MA's), (Start: 3 @89990 has 7 MA's), (9, 90107), (11, 90173),

Gene: Hannaconda_169 Start: 91664, Stop: 91882, Start Num: 3 Candidate Starts for Hannaconda_169: (Start: 2 @91661 has 6 MA's), (Start: 3 @91664 has 7 MA's), (8, 91775), (9, 91781), (11, 91847),

Gene: KashFlow_174 Start: 91477, Stop: 91695, Start Num: 3 Candidate Starts for KashFlow_174: (Start: 2 @91474 has 6 MA's), (Start: 3 @91477 has 7 MA's), (8, 91588), (9, 91594), (11, 91660),

Gene: LittleE_182 Start: 92623, Stop: 92844, Start Num: 2 Candidate Starts for LittleE_182: (Start: 2 @92623 has 6 MA's), (Start: 3 @92626 has 7 MA's), (9, 92743), (11, 92809),

Gene: Lucky2013_173 Start: 88241, Stop: 88462, Start Num: 2 Candidate Starts for Lucky2013_173: (Start: 2 @88241 has 6 MA's), (Start: 3 @88244 has 7 MA's), (6, 88277), (9, 88361), (11, 88427), Gene: MiaZeal_180 Start: 89388, Stop: 89609, Start Num: 2 Candidate Starts for MiaZeal_180: (Start: 2 @89388 has 6 MA's), (Start: 3 @89391 has 7 MA's), (9, 89508), (11, 89574),

Gene: Nebkiss_140 Start: 72244, Stop: 72450, Start Num: 3 Candidate Starts for Nebkiss_140: (Start: 3 @72244 has 7 MA's), (4, 72256), (5, 72268), (10, 72391), (12, 72430),

Gene: Omega_185 Start: 93855, Stop: 94076, Start Num: 2 Candidate Starts for Omega_185: (Start: 2 @93855 has 6 MA's), (Start: 3 @93858 has 7 MA's), (6, 93891), (9, 93975), (11, 94041),

Gene: Porcelain_177 Start: 89190, Stop: 89408, Start Num: 3 Candidate Starts for Porcelain_177: (Start: 2 @89187 has 6 MA's), (Start: 3 @89190 has 7 MA's), (6, 89223), (9, 89307), (11, 89373),

Gene: Squint_171 Start: 89453, Stop: 89671, Start Num: 3 Candidate Starts for Squint_171: (Start: 2 @89450 has 6 MA's), (Start: 3 @89453 has 7 MA's), (9, 89570), (11, 89636),

Gene: Superphikiman_175 Start: 88869, Stop: 89087, Start Num: 3 Candidate Starts for Superphikiman_175: (Start: 2 @88866 has 6 MA's), (Start: 3 @88869 has 7 MA's), (9, 88986), (11, 89052),