



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 271986 Report

This analysis was run 02/07/26 on database version 634.

Pham number 271986 has 28 members, 3 are drafts.

Phages represented in each track:

- Track 1 : RidgeCB_79
- Track 2 : Ciao_79, Pippin_83
- Track 3 : MaryBeth_82, Forsytheast_86
- Track 4 : BAKA_198, Minerva_192, HokkenD_185, Redno2_184, Schatzie_186, Wanda_189
- Track 5 : Hannaconda_184, Odette_194, NihilNomen_193, Marleymoo_177, Bagrid_199
- Track 6 : Dallas_191, Halley_192, JuicyJay_186, Duke13_192, Ejimix_181, Yeet_182, Beem_193, Klein_196, Optimus_190, EricMillard_188
- Track 7 : ThreeRngTarjay_190, DmpstrDiver_191

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

The start number called the most often in the published annotations is 5, it was called in 11 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAKA_198, Ciao_79, Forsytheast_86, HokkenD_185, MaryBeth_82, Minerva_192, Pippin_83, Redno2_184, RidgeCB_79, Schatzie_186, Wanda_189,

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

- Bagrid_199, Beem_193, Dallas_191, DmpstrDiver_191, Duke13_192, Ejimix_181, EricMillard_188, Halley_192, Hannaconda_184, JuicyJay_186, Klein_196, Marleymoo_177, NihilNomen_193, Odette_194, Optimus_190, ThreeRngTarjay_190, Yeet_182,

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

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Summary by start number:

Start 4:

- Found in 21 of 28 (75.0%) of genes in pham
- Manual Annotations of this start: 10 of 25

- Called 47.6% of time when present
- Phage (with cluster) where this start called: Beem_193 (J), Dallas_191 (J), Duke13_192 (J), Ejimix_181 (J), EricMillard_188 (J), Halley_192 (J), JuicyJay_186 (J), Klein_196 (J), Optimus_190 (J), Yeet_182 (J),

Start 5:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 25
- Called 39.3% of time when present
- Phage (with cluster) where this start called: BAKA_198 (J), Ciao_79 (A1), Forsytheast_86 (A1), HokkenD_185 (J), MaryBeth_82 (A1), Minerva_192 (J), Pippin_83 (A1), Redno2_184 (J), RidgeCB_79 (A1), Schatzie_186 (J), Wanda_189 (J),

Start 6:

- Found in 23 of 28 (82.1%) of genes in pham
- Manual Annotations of this start: 4 of 25
- Called 30.4% of time when present
- Phage (with cluster) where this start called: Bagrid_199 (J), DmpstrDiver_191 (J), Hannaconda_184 (J), Marleymoo_177 (J), NihilNomen_193 (J), Odette_194 (J), ThreeRngTarjay_190 (J),

Summary by clusters:

There are 2 clusters represented in this pham: A1, J,

Info for manual annotations of cluster A1:

- Start number 5 was manually annotated 5 times for cluster A1.

Info for manual annotations of cluster J:

- Start number 4 was manually annotated 10 times for cluster J.
- Start number 5 was manually annotated 6 times for cluster J.
- Start number 6 was manually annotated 4 times for cluster J.

Gene Information:

Gene: BAKA_198 Start: 98339, Stop: 98169, Start Num: 5

Candidate Starts for BAKA_198:

(3, 98369), (Start: 4 @98354 has 10 MA's), (Start: 5 @98339 has 11 MA's), (Start: 6 @98315 has 4 MA's), (7, 98270),

Gene: Bagrid_199 Start: 98620, Stop: 98474, Start Num: 6

Candidate Starts for Bagrid_199:

(3, 98674), (Start: 4 @98659 has 10 MA's), (Start: 5 @98644 has 11 MA's), (Start: 6 @98620 has 4 MA's), (7, 98575),

Gene: Beem_193 Start: 97362, Stop: 97177, Start Num: 4

Candidate Starts for Beem_193:

(3, 97377), (Start: 4 @97362 has 10 MA's), (Start: 5 @97347 has 11 MA's), (Start: 6 @97323 has 4 MA's), (7, 97278),

Gene: Ciao_79 Start: 46722, Stop: 46573, Start Num: 5

Candidate Starts for Ciao_79:

(Start: 5 @46722 has 11 MA's), (7, 46659), (9, 46581),

Gene: Dallas_191 Start: 96382, Stop: 96197, Start Num: 4

Candidate Starts for Dallas_191:

(3, 96397), (Start: 4 @96382 has 10 MA's), (Start: 5 @96367 has 11 MA's), (Start: 6 @96343 has 4 MA's), (7, 96298),

Gene: DmpstrDiver_191 Start: 95888, Stop: 95742, Start Num: 6

Candidate Starts for DmpstrDiver_191:

(1, 95993), (2, 95984), (Start: 5 @95912 has 11 MA's), (Start: 6 @95888 has 4 MA's), (7, 95843),

Gene: Duke13_192 Start: 96651, Stop: 96496, Start Num: 4

Candidate Starts for Duke13_192:

(3, 96666), (Start: 4 @96651 has 10 MA's), (Start: 5 @96636 has 11 MA's), (Start: 6 @96612 has 4 MA's), (7, 96567),

Gene: Ejimix_181 Start: 95720, Stop: 95535, Start Num: 4

Candidate Starts for Ejimix_181:

(3, 95735), (Start: 4 @95720 has 10 MA's), (Start: 5 @95705 has 11 MA's), (Start: 6 @95681 has 4 MA's), (7, 95636),

Gene: EricMillard_188 Start: 97430, Stop: 97245, Start Num: 4

Candidate Starts for EricMillard_188:

(3, 97445), (Start: 4 @97430 has 10 MA's), (Start: 5 @97415 has 11 MA's), (Start: 6 @97391 has 4 MA's), (7, 97346),

Gene: Forsytheast_86 Start: 49143, Stop: 48970, Start Num: 5

Candidate Starts for Forsytheast_86:

(Start: 5 @49143 has 11 MA's), (7, 49080), (8, 49011),

Gene: Halley_192 Start: 95888, Stop: 95703, Start Num: 4

Candidate Starts for Halley_192:

(3, 95903), (Start: 4 @95888 has 10 MA's), (Start: 5 @95873 has 11 MA's), (Start: 6 @95849 has 4 MA's), (7, 95804),

Gene: Hannaconda_184 Start: 96282, Stop: 96136, Start Num: 6

Candidate Starts for Hannaconda_184:

(3, 96336), (Start: 4 @96321 has 10 MA's), (Start: 5 @96306 has 11 MA's), (Start: 6 @96282 has 4 MA's), (7, 96237),

Gene: HokkenD_185 Start: 97801, Stop: 97631, Start Num: 5

Candidate Starts for HokkenD_185:

(3, 97831), (Start: 4 @97816 has 10 MA's), (Start: 5 @97801 has 11 MA's), (Start: 6 @97777 has 4 MA's), (7, 97732),

Gene: JuicyJay_186 Start: 97314, Stop: 97132, Start Num: 4

Candidate Starts for JuicyJay_186:

(3, 97329), (Start: 4 @97314 has 10 MA's), (Start: 5 @97299 has 11 MA's), (Start: 6 @97275 has 4 MA's), (7, 97230),

Gene: Klein_196 Start: 96245, Stop: 96060, Start Num: 4

Candidate Starts for Klein_196:

(3, 96260), (Start: 4 @96245 has 10 MA's), (Start: 5 @96230 has 11 MA's), (Start: 6 @96206 has 4 MA's), (7, 96161),

Gene: Marleymoo_177 Start: 94854, Stop: 94708, Start Num: 6

Candidate Starts for Marleymoo_177:

(3, 94908), (Start: 4 @94893 has 10 MA's), (Start: 5 @94878 has 11 MA's), (Start: 6 @94854 has 4 MA's), (7, 94809),

Gene: MaryBeth_82 Start: 48584, Stop: 48411, Start Num: 5

Candidate Starts for MaryBeth_82:

(Start: 5 @48584 has 11 MA's), (7, 48521), (8, 48452),

Gene: Minerva_192 Start: 95866, Stop: 95696, Start Num: 5

Candidate Starts for Minerva_192:

(3, 95896), (Start: 4 @95881 has 10 MA's), (Start: 5 @95866 has 11 MA's), (Start: 6 @95842 has 4 MA's), (7, 95797),

Gene: NihilNomen_193 Start: 95403, Stop: 95257, Start Num: 6

Candidate Starts for NihilNomen_193:

(3, 95457), (Start: 4 @95442 has 10 MA's), (Start: 5 @95427 has 11 MA's), (Start: 6 @95403 has 4 MA's), (7, 95358),

Gene: Odette_194 Start: 98472, Stop: 98326, Start Num: 6

Candidate Starts for Odette_194:

(3, 98526), (Start: 4 @98511 has 10 MA's), (Start: 5 @98496 has 11 MA's), (Start: 6 @98472 has 4 MA's), (7, 98427),

Gene: Optimus_190 Start: 96797, Stop: 96612, Start Num: 4

Candidate Starts for Optimus_190:

(3, 96812), (Start: 4 @96797 has 10 MA's), (Start: 5 @96782 has 11 MA's), (Start: 6 @96758 has 4 MA's), (7, 96713),

Gene: Pippin_83 Start: 48305, Stop: 48156, Start Num: 5

Candidate Starts for Pippin_83:

(Start: 5 @48305 has 11 MA's), (7, 48242), (9, 48164),

Gene: Redno2_184 Start: 93374, Stop: 93204, Start Num: 5

Candidate Starts for Redno2_184:

(3, 93404), (Start: 4 @93389 has 10 MA's), (Start: 5 @93374 has 11 MA's), (Start: 6 @93350 has 4 MA's), (7, 93305),

Gene: RidgeCB_79 Start: 46826, Stop: 46692, Start Num: 5

Candidate Starts for RidgeCB_79:

(Start: 5 @46826 has 11 MA's), (7, 46763),

Gene: Schatzie_186 Start: 96308, Stop: 96138, Start Num: 5

Candidate Starts for Schatzie_186:

(3, 96338), (Start: 4 @96323 has 10 MA's), (Start: 5 @96308 has 11 MA's), (Start: 6 @96284 has 4 MA's), (7, 96239),

Gene: ThreeRngTarjay_190 Start: 97822, Stop: 97676, Start Num: 6

Candidate Starts for ThreeRngTarjay_190:

(1, 97927), (2, 97918), (Start: 5 @97846 has 11 MA's), (Start: 6 @97822 has 4 MA's), (7, 97777),

Gene: Wanda_189 Start: 93879, Stop: 93709, Start Num: 5

Candidate Starts for Wanda_189:

(3, 93909), (Start: 4 @93894 has 10 MA's), (Start: 5 @93879 has 11 MA's), (Start: 6 @93855 has 4 MA's), (7, 93810),

Gene: Yeet_182 Start: 95030, Stop: 94845, Start Num: 4

Candidate Starts for Yeet_182:

(3, 95045), (Start: 4 @95030 has 10 MA's), (Start: 5 @95015 has 11 MA's), (Start: 6 @94991 has 4 MA's), (7, 94946),