Pham 86253



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 86253 Report

This analysis was run 04/05/24 on database version 557.
Pham number 86253 has 30 members, 2 are drafts.
Phages represented in each track:

- Track 1 : ThreeRngTarjay_174, Bobby_169, Thibault_160, EricMillard_174, Odette_180, JuicyJay_171, HokkenD_171, Optimus_175, Kalah2_173, DmpstrDiver 177, Klein_180, Duke13-179, Ejimix 167, Dallas_176, Halley_177, Zelink 169, $\overline{\text { Wanda_174, Beem_177, }}$ Phoebus_177, Redno2_170, BAKA_182, Yeet_168, Minerva_176, Dove_171, Hughesyañg_175, Schatzie_171, Coñstella_172 - Trac̄k 2 : Bombitas_163, NihiīNomen_178, Pound_170


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

The start number called the most often in the published annotations is 1 , it was called in 25 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAKA_182, Beem_177, Bobby_169, Constella_172, Dallas_176, DmpstrDiver_177, Dove_171, Duke13_179, Ejimix_167, EricMillard_174, Halley_177, HokkenD_171, Hughésyang_175, JuicyJay_171, Kalah2_173, KTein_180, Minerva_176, Odēte_180, Optimus_175, Phoebus_177, Redno2_170, Schatzie_171, Thibault_160, ThreeRngTarjay_174, Wanda_174, Yeet_168, Zelink_169,

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

- Bombitas_163, NihilNomen_178, Pound_170,

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

## Summary by start number:

Start 1:

- Found in 30 of 30 ( $100.0 \%$ ) of genes in pham
- Manual Annotations of this start: 25 of 28
- Called $90.0 \%$ of time when present
- Phage (with cluster) where this start called: BAKA_182 (J), Beem_177 (J), Bobby_169 (J), Constella_172 (J), Dallas_176 (J), D̄mpstrDiver_17̄7 (J), Dove_171 (J), Dū̄e13_179 (J), Ejimix_167 (J), EricMīillard_174 (J), Halley_177 (J),

HokkenD_171 (J), Hughesyang_175 (J), JuicyJay_171 (J), Kalah2_173 (J), Klein_180 (J), Minerva_176 (J), Odette_180 (J), Optimus_175 (J), P̄hoebus_177 (J), Redno2_170 (J), Schatzie_171 (J), Thibault_160 (J), ThreeRngTarjay_174 (J), Wanda_174 (J), Yeet_168(J), Zelink_169 (J),

Start 2:

- Found in 30 of 30 ( $100.0 \%$ ) of genes in pham
- Manual Annotations of this start: 3 of 28
- Called $10.0 \%$ of time when present
- Phage (with cluster) where this start called: Bombitas_163 (J), NihilNomen_178 (J), Pound_170 (J),


## Summary by clusters:

There is one cluster represented in this pham: J
Info for manual annotations of cluster J:

- Start number 1 was manually annotated 25 times for cluster J.
-Start number 2 was manually annotated 3 times for cluster J.


## Gene Information:

Gene: BAKA_182 Start: 94003, Stop: 94236, Start Num: 1
Candidate Starts for BAKA_182:
(Start: 1 @94003 has 25 MA's), (Start: 2 @94042 has 3 MA's), (3, 94114),
Gene: Beem_177 Start: 93158, Stop: 93391, Start Num: 1
Candidate Starts for Beem_177:
(Start: 1 @93158 has 25 MA's), (Start: 2 @93197 has 3 MA's), (3, 93269),
Gene: Bobby_169 Start: 94255, Stop: 94488, Start Num: 1
Candidate Starts for Bobby_169:
(Start: 1 @94255 has 25 MA's), (Start: 2 @94294 has 3 MA's), (3, 94366),
Gene: Bombitas_163 Start: 89427, Stop: 89621, Start Num: 2
Candidate Starts for Bombitas_163:
(Start: 1 @89388 has 25 MA's), (Start: 2 @89427 has 3 MA's), (3, 89499),
Gene: Constella_172 Start: 91892, Stop: 92125, Start Num: 1
Candidate Starts for Constella_172:
(Start: 1 @91892 has 25 MA's), (Start: 2 @91931 has 3 MA's), (3, 92003),
Gene: Dallas_176 Start: 92381, Stop: 92614, Start Num: 1
Candidate Starts for Dallas_176:
(Start: 1 @92381 has 25 MA's), (Start: 2 @92420 has 3 MA's), (3, 92492),
Gene: DmpstrDiver_177 Start: 91825, Stop: 92058, Start Num: 1
Candidate Starts for DmpstrDiver_177:
(Start: 1 @91825 has 25 MA's), (Start: 2 @91864 has 3 MA's), (3, 91936),
Gene: Dove_171 Start: 87744, Stop: 87977, Start Num: 1

Candidate Starts for Dove_171:
(Start: 1 @87744 has 25 MA's), (Start: 2 @87783 has 3 MA's), ( 3,87855 ),
Gene: Duke13_179 Start: 92499, Stop: 92732, Start Num: 1
Candidate Starts for Duke13_179:
(Start: 1 @92499 has 25 MA's), (Start: 2 @92538 has 3 MA's), (3, 92610),
Gene: Ejimix_167 Start: 91369, Stop: 91602, Start Num: 1
Candidate Starts for Ejimix_167:
(Start: 1 @91369 has 25 MA's), (Start: 2 @91408 has 3 MA's), (3, 91480),
Gene: EricMillard_174 Start: 93079, Stop: 93312, Start Num: 1 Candidate Starts for EricMillard_174:
(Start: 1 @93079 has 25 MA's), (Start: 2 @93118 has 3 MA's), (3, 93190),
Gene: Halley_177 Start: 91685, Stop: 91918, Start Num: 1
Candidate Starts for Halley_177:
(Start: 1 @91685 has 25 MA's), (Start: 2 @91724 has 3 MA's), (3, 91796),
Gene: HokkenD_171 Start: 93466, Stop: 93699, Start Num: 1
Candidate Starts for HokkenD_171:
(Start: 1 @93466 has 25 MA's), (Start: 2 @93505 has 3 MA's), (3, 93577),
Gene: Hughesyang_175 Start: 92167, Stop: 92400, Start Num: 1
Candidate Starts for Hughesyang_175:
(Start: 1 @92167 has 25 MA's), (Start: 2 @92206 has 3 MA's), (3, 92278),
Gene: JuicyJay_171 Start: 93113, Stop: 93346, Start Num: 1
Candidate Starts for JuicyJay_171:
(Start: 1 @93113 has 25 MA's), (Start: 2 @93152 has 3 MA's), (3, 93224),
Gene: Kalah2_173 Start: 93451, Stop: 93684, Start Num: 1
Candidate Starts for Kalah2_173:
(Start: 1 @93451 has 25 MA's), (Start: 2 @93490 has 3 MA's), (3, 93562),
Gene: Klein_180 Start: 91894, Stop: 92127, Start Num: 1
Candidate Starts for Klein_180:
(Start: 1 @91894 has 25 MA's), (Start: 2 @91933 has 3 MA's), (3, 92005),
Gene: Minerva_176 Start: 91531, Stop: 91764, Start Num: 1
Candidate Starts for Minerva_176:
(Start: 1 @91531 has 25 MA's), (Start: 2 @91570 has 3 MA's), (3, 91642),
Gene: NihilNomen_178 Start: 91278, Stop: 91472, Start Num: 2
Candidate Starts for NihilNomen_178:
(Start: 1 @91239 has 25 MA's), (Start: 2 @91278 has 3 MA's), (3, 91350),
Gene: Odette_180 Start: 93920, Stop: 94153, Start Num: 1
Candidate Starts for Odette_180:
(Start: 1 @93920 has 25 MA's), (Start: 2 @93959 has 3 MA's), (3, 94031),
Gene: Optimus_175 Start: 92446, Stop: 92679, Start Num: 1
Candidate Starts for Optimus_175:
(Start: 1 @92446 has 25 MA's), (Start: 2 @92485 has 3 MA's), (3, 92557),
Gene: Phoebus_177 Start: 94926, Stop: 95159, Start Num: 1
Candidate Starts for Phoebus_177:
(Start: 1 @94926 has 25 MA's), (Start: 2 @94965 has 3 MA's), (3, 95037),
Gene: Pound_170 Start: 91014, Stop: 91208, Start Num: 2
Candidate Starts for Pound_170:
(Start: 1 @90975 has 25 MA's), (Start: 2 @91014 has 3 MA's), (3, 91086),
Gene: Redno2_170 Start: 89039, Stop: 89272, Start Num: 1
Candidate Starts for Redno2_170:
(Start: 1 @89039 has 25 MA's), (Start: 2 @89078 has 3 MA's), (3, 89150),
Gene: Schatzie_171 Start: 91974, Stop: 92207, Start Num: 1
Candidate Starts for Schatzie_171:
(Start: 1 @91974 has 25 MA's), (Start: 2 @92013 has 3 MA's), (3, 92085),
Gene: Thibault_160 Start: 88854, Stop: 89087, Start Num: 1
Candidate Starts for Thibault_160:
(Start: 1 @88854 has 25 MA's), (Start: 2 @88893 has 3 MA's), (3, 88965),
Gene: ThreeRngTarjay_174 Start: 93270, Stop: 93503, Start Num: 1
Candidate Starts for ThreeRngTarjay_174:
(Start: 1 @93270 has 25 MA's), (Start: 2 @93309 has 3 MA's), (3, 93381),
Gene: Wanda_174 Start: 89543, Stop: 89776, Start Num: 1
Candidate Starts for Wanda_174:
(Start: 1 @89543 has 25 MA's), (Start: 2 @89582 has 3 MA's), (3, 89654),
Gene: Yeet_168 Start: 90827, Stop: 91060, Start Num: 1
Candidate Starts for Yeet_168:
(Start: 1 @90827 has 25 MA's), (Start: 2 @90866 has 3 MA's), (3, 90938),
Gene: Zelink_169 Start: 91162, Stop: 91395, Start Num: 1
Candidate Starts for Zelink_169:
(Start: 1 @91162 has 25 MA's), (Start: 2 @91201 has 3 MA's), (3, 91273),

