Pham 3035

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 3035 Report

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

Pham number 3035 has 29 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Duke13_174, Optimus_170, Ejimix_162, Dallas_171, Constella_167, Pound_165, Odette_175, Beem_172, Thibault_155, Zelink_164, BAKA_177, Hughesyang_170
• Track 2 : Redno2_165, Klein_175, Dove_166, LittleE_179, NihilNomen_173, Halley_172, HokkenD_166, Bagrid_180, Phoebus_172, Minerva_171, Yeet_163, JuicyJay_166, Kalah2_168, EricMillard_169, Schatzie_166, Bombitas_158, Wanda_169

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 26 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_177, Bagrid_180, Beem_172, Bombitas_158, Constella_167, Dallas_171, Dove_166, Duke13_174, Ejimix_162, EricMillard_169, Halley_172, HokkenD_166, Hughesyang_170, JuicyJay_166, Kalah2_168, Klein_175, LittleE_179, Minerva_171, NihilNomen_173, Odette_175, Optimus_170, Phoebus_172, Pound_165, Redno2_165, Schatzie_166, Thibault_155, Wanda_169, Yeet_163, Zelink_164,

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

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

Summary by start number:

Start 1:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 26 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_177 (J), Bagrid_180 (J), Beem_172 (J), Bombitas_158 (J), Constella_167 (J), Dallas_171 (J), Dove_166 (J),

Duke13_174 (J), Ejimix_162 (J), EricMillard_169 (J), Halley_172 (J), HokkenD_166 (J), Hughesyang_170 (J), JuicyJay_166 (J), Kalah2_168 (J), Klein_175 (J), LittleE_179 (J), Minerva_171 (J), NihilNomen_173 (J), Odette_175 (J), Optimus_170 (J), Phoebus_172 (J), Pound_165 (J), Redno2_165 (J), Schatzie_166 (J), Thibault_155 (J), Wanda_169 (J), Yeet_163 (J), Zelink_164 (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 26 times for cluster J.

Gene Information:

Gene: BAKA_177 Start: 92456, Stop: 92710, Start Num: 1
Candidate Starts for BAKA_177:
(Start: 1 @92456 has 26 MA's), (2, 92483), (3, 92603), (4, 92609), (5, 92615), (6, 92639),

Gene: Bagrid_180 Start: 92922, Stop: 93176, Start Num: 1
Candidate Starts for Bagrid_180:
(Start: 1 @92922 has 26 MA's), (2, 92949), (3, 93069), (4, 93075), (5, 93081), (6, 93105),

Gene: Beem_172 Start: 91611, Stop: 91865, Start Num: 1
Candidate Starts for Beem_172:
(Start: 1 @91611 has 26 MA's), (2, 91638), (3, 91758), (4, 91764), (5, 91770), (6, 91794),

Gene: Bombitas_158 Start: 87841, Stop: 88095, Start Num: 1
Candidate Starts for Bombitas_158:
(Start: 1 @87841 has 26 MA's), (2, 87868), (3, 87988), (4, 87994), (5, 88000), (6, 88024),

Gene: Constella_167 Start: 90345, Stop: 90599, Start Num: 1
Candidate Starts for Constella_167:
(Start: 1 @90345 has 26 MA's), (2, 90372), (3, 90492), (4, 90498), (5, 90504), (6, 90528),

Gene: Dallas_171 Start: 90834, Stop: 91088, Start Num: 1
Candidate Starts for Dallas_171:
(Start: 1 @90834 has 26 MA's), (2, 90861), (3, 90981), (4, 90987), (5, 90993), (6, 91017),

Gene: Dove_166 Start: 86197, Stop: 86451, Start Num: 1
Candidate Starts for Dove_166:
(Start: 1 @86197 has 26 MA's), (2, 86224), (3, 86344), (4, 86350), (5, 86356), (6, 86380),

Gene: Duke13_174 Start: 90952, Stop: 91206, Start Num: 1
Candidate Starts for Duke13_174:
(Start: 1 @90952 has 26 MA's), (2, 90979), (3, 91099), (4, 91105), (5, 91111), (6, 91135),

Gene: Ejimix_162 Start: 89822, Stop: 90076, Start Num: 1
Candidate Starts for Ejimix_162:
(Start: 1 @89822 has 26 MA's), (2, 89849), (3, 89969), (4, 89975), (5, 89981), (6, 90005),

Gene: EricMillard_169 Start: 91532, Stop: 91786, Start Num: 1
Candidate Starts for EricMillard_169:
(Start: 1 @91532 has 26 MA's), (2, 91559), (3, 91679), (4, 91685), (5, 91691), (6, 91715),

Gene: Halley_172 Start: 90138, Stop: 90392, Start Num: 1
Candidate Starts for Halley_172:
(Start: 1 @90138 has 26 MA's), (2, 90165), (3, 90285), (4, 90291), (5, 90297), (6, 90321),

Gene: HokkenD_166 Start: 91919, Stop: 92173, Start Num: 1
Candidate Starts for HokkenD_166:
(Start: 1 @91919 has 26 MA's), (2, 91946), (3, 92066), (4, 92072), (5, 92078), (6, 92102),

Gene: Hughesyang_170 Start: 90620, Stop: 90874, Start Num: 1
Candidate Starts for Hughesyang_170:
(Start: 1 @90620 has 26 MA's), (2, 90647), (3, 90767), (4, 90773), (5, 90779), (6, 90803),

Gene: JuicyJay_166 Start: 91566, Stop: 91820, Start Num: 1
Candidate Starts for JuicyJay_166:
(Start: 1 @91566 has 26 MA's), (2, 91593), (3, 91713), (4, 91719), (5, 91725), (6, 91749),

Gene: Kalah2_168 Start: 91904, Stop: 92158, Start Num: 1
Candidate Starts for Kalah2_168:
(Start: 1 @91904 has 26 MA's), (2, 91931), (3, 92051), (4, 92057), (5, 92063), (6, 92087),

Gene: Klein_175 Start: 90347, Stop: 90601, Start Num: 1
Candidate Starts for Klein_175:
(Start: 1 @90347 has 26 MA's), (2, 90374), (3, 90494), (4, 90500), (5, 90506), (6, 90530),

Gene: LittleE_179 Start: 91660, Stop: 91914, Start Num: 1
Candidate Starts for LittleE_179:
(Start: 1 @91660 has 26 MA's), (2, 91687), (3, 91807), (4, 91813), (5, 91819), (6, 91843),

Gene: Minerva_171 Start: 89984, Stop: 90238, Start Num: 1
Candidate Starts for Minerva_171:
(Start: 1 @89984 has 26 MA's), (2, 90011), (3, 90131), (4, 90137), (5, 90143), (6, 90167),

Gene: NihilNomen_173 Start: 89692, Stop: 89946, Start Num: 1
Candidate Starts for NihilNomen_173:
(Start: 1 @89692 has 26 MA's), (2, 89719), (3, 89839), (4, 89845), (5, 89851), (6, 89875),

Gene: Odette_175 Start: 92373, Stop: 92627, Start Num: 1
Candidate Starts for Odette_175:
(Start: 1 @92373 has 26 MA's), (2, 92400), (3, 92520), (4, 92526), (5, 92532), (6, 92556),

Gene: Optimus_170 Start: 90899, Stop: 91153, Start Num: 1
Candidate Starts for Optimus_170:
(Start: 1 @90899 has 26 MA's), (2, 90926), (3, 91046), (4, 91052), (5, 91058), (6, 91082),

Gene: Phoebus_172 Start: 93379, Stop: 93633, Start Num: 1
Candidate Starts for Phoebus_172:
(Start: 1 @93379 has 26 MA's), (2, 93406), (3, 93526), (4, 93532), (5, 93538), (6, 93562),

Gene: Pound_165 Start: 89428, Stop: 89682, Start Num: 1

Candidate Starts for Pound_165:
(Start: 1 @89428 has 26 MA's), (2, 89455), (3, 89575), (4, 89581), (5, 89587), (6, 89611),

Gene: Redno2_165 Start: 87492, Stop: 87746, Start Num: 1
Candidate Starts for Redno2_165:
(Start: 1 @87492 has 26 MA's), (2, 87519), (3, 87639), (4, 87645), (5, 87651), (6, 87675),

Gene: Schatzie_166 Start: 90427, Stop: 90681, Start Num: 1
Candidate Starts for Schatzie_166:
(Start: 1 @90427 has 26 MA's), (2, 90454), (3, 90574), (4, 90580), (5, 90586), (6, 90610),

Gene: Thibault_155 Start: 87307, Stop: 87561, Start Num: 1
Candidate Starts for Thibault_155:
(Start: 1 @87307 has 26 MA's), (2, 87334), (3, 87454), (4, 87460), (5, 87466), (6, 87490),

Gene: Wanda_169 Start: 87996, Stop: 88250, Start Num: 1
Candidate Starts for Wanda_169:
(Start: 1 @87996 has 26 MA's), (2, 88023), (3, 88143), (4, 88149), (5, 88155), (6, 88179),

Gene: Yeet_163 Start: 89280, Stop: 89534, Start Num: 1
Candidate Starts for Yeet_163:
(Start: 1 @89280 has 26 MA's), (2, 89307), (3, 89427), (4, 89433), (5, 89439), (6, 89463),

Gene: Zelink_164 Start: 89615, Stop: 89869, Start Num: 1
Candidate Starts for Zelink_164:
(Start: 1 @89615 has 26 MA's), (2, 89642), (3, 89762), (4, 89768), (5, 89774), (6, 89798),