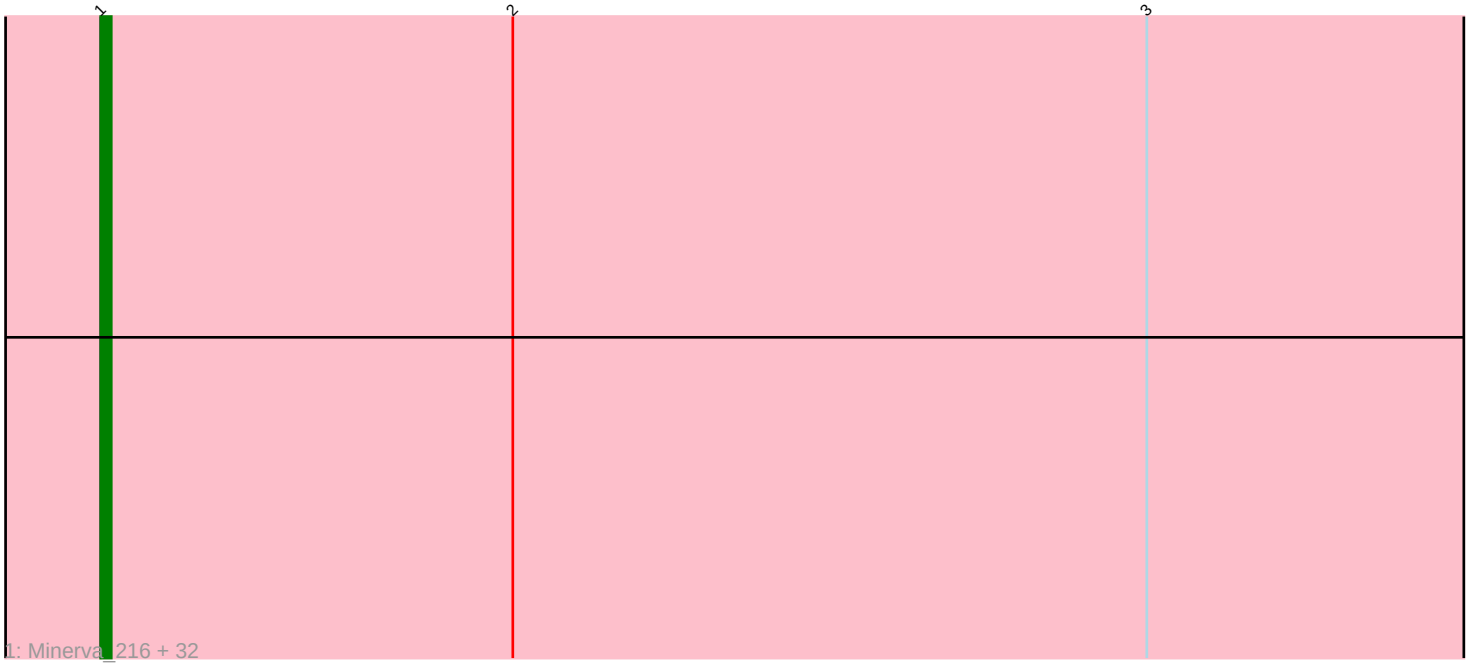
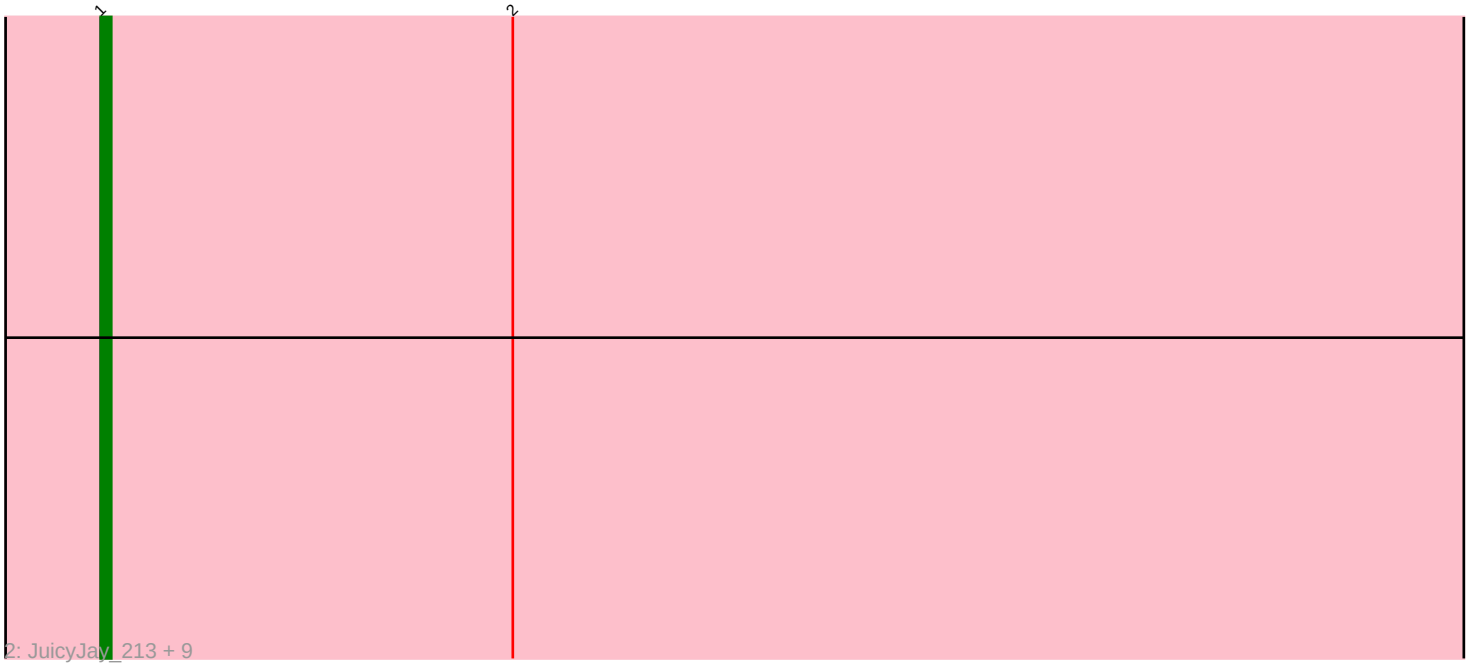
Pham 2214





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 2214 Report

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

Pham number 2214 has 43 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Minerva_216, Pound_208, Schatzie_210, Squint_216, Kalah2_219, Beem_220, Dallas_218, Hannaconda_210, DmpstrDiver_218, Duke13_221, Porcelain_217, Bagrid_226, NihilNomen_221, Omega_221, EricMillard_216, Bombitas_203, Lucky2013_214, Wanda_217, Yeet_212, Thibault_193, Constella_210, BAKA_225, HokkenD_210, MiaZeal_226, LittleE_219, ThreeRngTarjay_218, Gonephishing_215, KashFlow_211, Phoebus_217, Bobby_199, Odette_220, Zelink_211, Klein_225
• Track 2 : JuicyJay_213, Dove_212, Redno2_210, Halley_222, Superphikiman_218, Ejimix_210, Ariel_225, Courthouse_222, Hughesyang_219, Optimus_214

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 39 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_225, BAKA_225, Bagrid_226, Beem_220, Bobby_199, Bombitas_203, Constella_210, Courthouse_222, Dallas_218, DmpstrDiver_218, Dove_212, Duke13_221, Ejimix_210, EricMillard_216, Gonephishing_215, Halley_222, Hannaconda_210, HokkenD_210, Hughesyang_219, JuicyJay_213, Kalah2_219, KashFlow_211, Klein_225, LittleE_219, Lucky2013_214, MiaZeal_226, Minerva_216, NihilNomen_221, Odette_220, Omega_221, Optimus_214, Phoebus_217, Porcelain_217, Pound_208, Redno2_210, Schatzie_210, Squint_216, Superphikiman_218, Thibault_193, ThreeRngTarjay_218, Wanda_217, Yeet_212, Zelink_211,

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 43 of 43 (100.0%) of genes in pham
• Manual Annotations of this start: 39 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_225 (J), BAKA_225 (J), Bagrid_226 (J), Beem_220 (J), Bobby_199 (J), Bombitas_203 (J), Constella_210 (J), Courthouse_222 (J), Dallas_218 (J), DmpstrDiver_218 (J), Dove_212 (J), Duke13_221 (J), Ejimix_210 (J), EricMillard_216 (J), Gonephishing_215 (J), Halley_222 (J), Hannaconda_210 (J), HokkenD_210 (J), Hughesyang_219 (J), JuicyJay_213 (J), Kalah2_219 (J), KashFlow_211 (J), Klein_225 (J), LittleE_219 (J), Lucky2013_214 (J), MiaZeal_226 (J), Minerva_216 (J), NihilNomen_221 (J), Odette_220 (J), Omega_221 (J), Optimus_214 (J), Phoebus_217 (J), Porcelain_217 (J), Pound_208 (J), Redno2_210 (J), Schatzie_210 (J), Squint_216 (J), Superphikiman_218 (J), Thibault_193 (J), ThreeRngTarjay_218 (J), Wanda_217 (J), Yeet_212 (J), Zelink_211 (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 39 times for cluster J.

Gene Information:

Gene: Ariel_225 Start: 103544, Stop: 103398, Start Num: 1
Candidate Starts for Ariel_225:
(Start: 1 @103544 has 39 MA's), (2, 103505),

Gene: BAKA_225 Start: 106869, Stop: 106723, Start Num: 1
Candidate Starts for BAKA_225:
(Start: 1 @106869 has 39 MA's), (2, 106830), (3, 106770),

Gene: Bagrid_226 Start: 107643, Stop: 107497, Start Num: 1
Candidate Starts for Bagrid_226:
(Start: 1 @107643 has 39 MA's), (2, 107604), (3, 107544),

Gene: Beem_220 Start: 106411, Stop: 106265, Start Num: 1
Candidate Starts for Beem_220:
(Start: 1 @106411 has 39 MA's), (2, 106372), (3, 106312),

Gene: Bobby_199 Start: 104353, Stop: 104207, Start Num: 1
Candidate Starts for Bobby_199:
(Start: 1 @104353 has 39 MA's), (2, 104314), (3, 104254),

Gene: Bombitas_203 Start: 102900, Stop: 102754, Start Num: 1
Candidate Starts for Bombitas_203:
(Start: 1 @102900 has 39 MA's), (2, 102861), (3, 102801),

Gene: Constella_210 Start: 104581, Stop: 104435, Start Num: 1
Candidate Starts for Constella_210:

(Start: 1 @104581 has 39 MA's), (2, 104542), (3, 104482),

Gene: Courthouse_222 Start: 104404, Stop: 104258, Start Num: 1
Candidate Starts for Courthouse_222:
(Start: 1 @104404 has 39 MA's), (2, 104365),

Gene: Dallas_218 Start: 105190, Stop: 105044, Start Num: 1
Candidate Starts for Dallas_218:
(Start: 1 @105190 has 39 MA's), (2, 105151), (3, 105091),

Gene: DmpstrDiver_218 Start: 105062, Stop: 104916, Start Num: 1
Candidate Starts for DmpstrDiver_218:
(Start: 1 @105062 has 39 MA's), (2, 105023), (3, 104963),

Gene: Dove_212 Start: 101522, Stop: 101376, Start Num: 1
Candidate Starts for Dove_212:
(Start: 1 @101522 has 39 MA's), (2, 101483),

Gene: Duke13_221 Start: 105862, Stop: 105716, Start Num: 1
Candidate Starts for Duke13_221:
(Start: 1 @105862 has 39 MA's), (2, 105823), (3, 105763),

Gene: Ejimix_210 Start: 104816, Stop: 104670, Start Num: 1
Candidate Starts for Ejimix_210:
(Start: 1 @104816 has 39 MA's), (2, 104777),

Gene: EricMillard_216 Start: 106535, Stop: 106389, Start Num: 1
Candidate Starts for EricMillard_216:
(Start: 1 @106535 has 39 MA's), (2, 106496), (3, 106436),

Gene: Gonephishing_215 Start: 104021, Stop: 103875, Start Num: 1
Candidate Starts for Gonephishing_215:
(Start: 1 @104021 has 39 MA's), (2, 103982), (3, 103922),

Gene: Halley_222 Start: 105429, Stop: 105283, Start Num: 1
Candidate Starts for Halley_222:
(Start: 1 @105429 has 39 MA's), (2, 105390),

Gene: Hannaconda_210 Start: 104849, Stop: 104703, Start Num: 1
Candidate Starts for Hannaconda_210:
(Start: 1 @104849 has 39 MA's), (2, 104810), (3, 104750),

Gene: HokkenD_210 Start: 106344, Stop: 106198, Start Num: 1
Candidate Starts for HokkenD_210:
(Start: 1 @106344 has 39 MA's), (2, 106305), (3, 106245),

Gene: Hughesyang_219 Start: 106089, Stop: 105943, Start Num: 1
Candidate Starts for Hughesyang_219:
(Start: 1 @106089 has 39 MA's), (2, 106050),

Gene: JuicyJay_213 Start: 106360, Stop: 106214, Start Num: 1
Candidate Starts for JuicyJay_213:
(Start: 1 @106360 has 39 MA's), (2, 106321),

Gene: Kalah2_219 Start: 107151, Stop: 107005, Start Num: 1
Candidate Starts for Kalah2_219:
(Start: 1 @107151 has 39 MA's), (2, 107112), (3, 107052),

Gene: KashFlow_211 Start: 104743, Stop: 104597, Start Num: 1
Candidate Starts for KashFlow_211:
(Start: 1 @104743 has 39 MA's), (2, 104704), (3, 104644),

Gene: Klein_225 Start: 105575, Stop: 105429, Start Num: 1
Candidate Starts for Klein_225:
(Start: 1 @105575 has 39 MA's), (2, 105536), (3, 105476),

Gene: LittleE_219 Start: 105341, Stop: 105195, Start Num: 1
Candidate Starts for LittleE_219:
(Start: 1 @105341 has 39 MA's), (2, 105302), (3, 105242),

Gene: Lucky2013_214 Start: 101802, Stop: 101656, Start Num: 1
Candidate Starts for Lucky2013_214:
(Start: 1 @101802 has 39 MA's), (2, 101763), (3, 101703),

Gene: MiaZeal_226 Start: 103941, Stop: 103795, Start Num: 1
Candidate Starts for MiaZeal_226:
(Start: 1 @103941 has 39 MA's), (2, 103902), (3, 103842),

Gene: Minerva_216 Start: 103655, Stop: 103509, Start Num: 1
Candidate Starts for Minerva_216:
(Start: 1 @103655 has 39 MA's), (2, 103616), (3, 103556),

Gene: NihilNomen_221 Start: 104610, Stop: 104464, Start Num: 1
Candidate Starts for NihilNomen_221:
(Start: 1 @104610 has 39 MA's), (2, 104571), (3, 104511),

Gene: Odette_220 Start: 106500, Stop: 106354, Start Num: 1
Candidate Starts for Odette_220:
(Start: 1 @106500 has 39 MA's), (2, 106461), (3, 106401),

Gene: Omega_221 Start: 106139, Stop: 105993, Start Num: 1
Candidate Starts for Omega_221:
(Start: 1 @106139 has 39 MA's), (2, 106100), (3, 106040),

Gene: Optimus_214 Start: 104917, Stop: 104771, Start Num: 1
Candidate Starts for Optimus_214:
(Start: 1 @104917 has 39 MA's), (2, 104878),

Gene: Phoebus_217 Start: 107861, Stop: 107715, Start Num: 1
Candidate Starts for Phoebus_217:
(Start: 1 @107861 has 39 MA's), (2, 107822), (3, 107762),

Gene: Porcelain_217 Start: 102749, Stop: 102603, Start Num: 1
Candidate Starts for Porcelain_217:
(Start: 1 @102749 has 39 MA's), (2, 102710), (3, 102650),

Gene: Pound_208 Start: 103843, Stop: 103697, Start Num: 1
Candidate Starts for Pound_208:
(Start: 1 @103843 has 39 MA's), (2, 103804), (3, 103744),

Gene: Redno2_210 Start: 102250, Stop: 102104, Start Num: 1
Candidate Starts for Redno2_210:
(Start: 1 @102250 has 39 MA's), (2, 102211),

Gene: Schatzie_210 Start: 104379, Stop: 104233, Start Num: 1
Candidate Starts for Schatzie_210:
(Start: 1 @104379 has 39 MA's), (2, 104340), (3, 104280),

Gene: Squint_216 Start: 103301, Stop: 103155, Start Num: 1
Candidate Starts for Squint_216:
(Start: 1 @103301 has 39 MA's), (2, 103262), (3, 103202),

Gene: Superphikiman_218 Start: 103365, Stop: 103219, Start Num: 1
Candidate Starts for Superphikiman_218:
(Start: 1 @103365 has 39 MA's), (2, 103326),

Gene: Thibault_193 Start: 100334, Stop: 100188, Start Num: 1
Candidate Starts for Thibault_193:
(Start: 1 @100334 has 39 MA's), (2, 100295), (3, 100235),

Gene: ThreeRngTarjay_218 Start: 106854, Stop: 106708, Start Num: 1
Candidate Starts for ThreeRngTarjay_218:
(Start: 1 @106854 has 39 MA's), (2, 106815), (3, 106755),

Gene: Wanda_217 Start: 103205, Stop: 103059, Start Num: 1
Candidate Starts for Wanda_217:
(Start: 1 @103205 has 39 MA's), (2, 103166), (3, 103106),

Gene: Yeet_212 Start: 104449, Stop: 104303, Start Num: 1
Candidate Starts for Yeet_212:
(Start: 1 @104449 has 39 MA's), (2, 104410), (3, 104350),

Gene: Zelink_211 Start: 104587, Stop: 104441, Start Num: 1
Candidate Starts for Zelink_211:
(Start: 1 @104587 has 39 MA's), (2, 104548), (3, 104488),