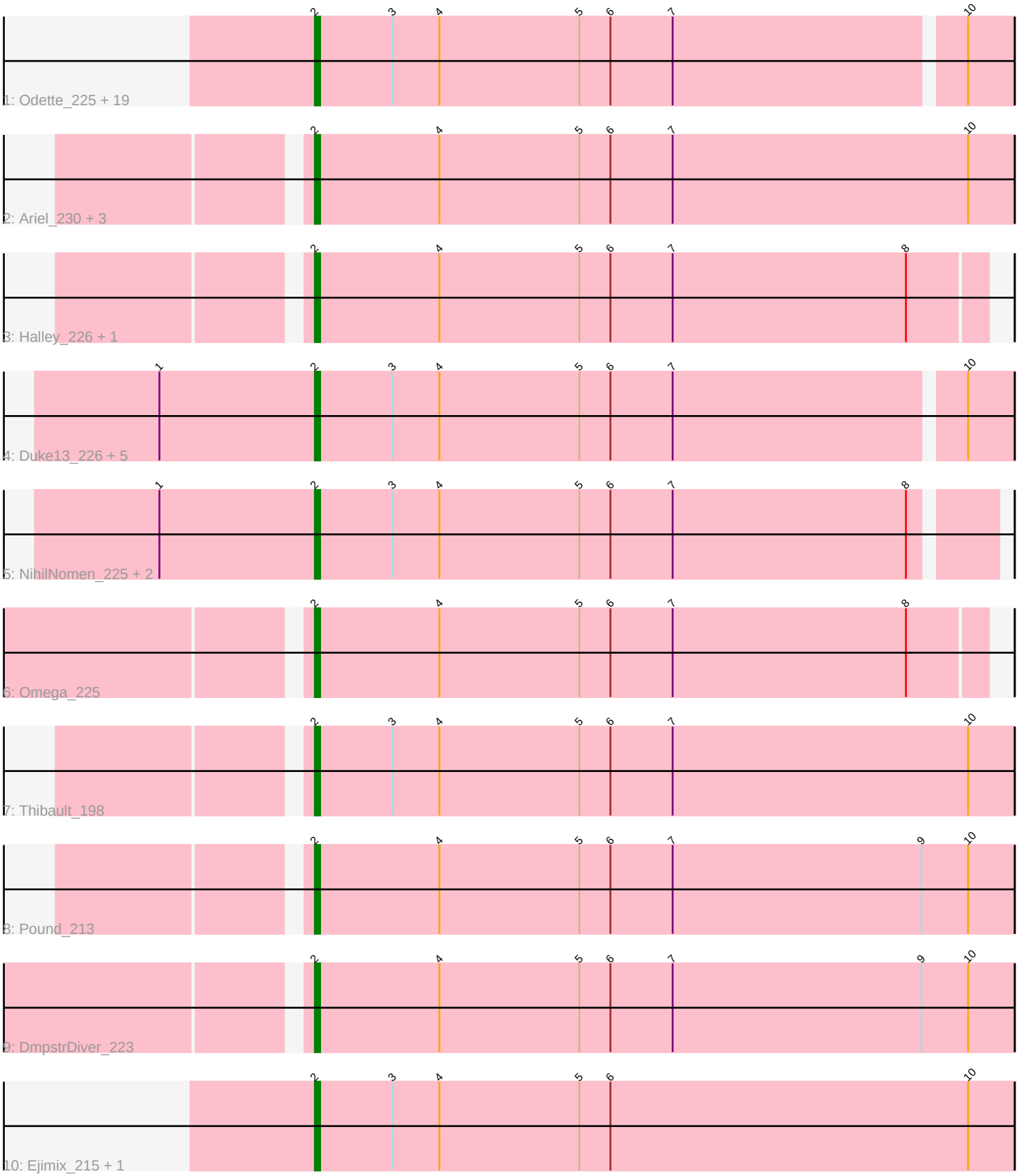
Pham 2355


1: Odette_225 + 19
2: Ariel_230 + 3
3: Halley_226 + 1
4: Duke13_226 + 5
5: NihilNomen_225 + 2
6: Omega_225
7: Thibault_198
8: Pound_213
9: DmpstrDiver_223
10: Ejimix_215 + 1

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 2355 Report

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

Pham number 2355 has 41 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Odette_225, Constella_215, JuicyJay_218, Dove_216, KashFlow_216, Bobby_204, EricMillard_220, Bagrid_230, Yeet_216, BAKA_230, Beem_225, Dallas_223, Hannaconda_214, ThreeRngTarjay_223, Hughesyang_224, Redno2_215, Optimus_219, Klein_230, Schatzie_214, Wanda_222
• Track 2 : Ariel_230, Bombitas_208, Courthouse_227, Superphikiman_222
• Track 3 : Halley_226, Gonephishing_219
• Track 4 : Duke13_226, Lucky2013_220, Minerva_221, Squint_221, MiaZeal_232, Porcelain_223
• Track 5 : NihilNomen_225, Phoebus_221, HokkenD_214
• Track 6 : Omega_225
• Track 7 : Thibault_198
• Track 8 : Pound_213
• Track 9 : DmpstrDiver_223
• Track 10 : Ejimix_215, Zelink_216

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

The start number called the most often in the published annotations is 2, it was called in 37 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_230, BAKA_230, Bagrid_230, Beem_225, Bobby_204, Bombitas_208, Constella_215, Courthouse_227, Dallas_223, DmpstrDiver_223, Dove_216, Duke13_226, Ejimix_215, EricMillard_220, Gonephishing_219, Halley_226, Hannaconda_214, HokkenD_214, Hughesyang_224, JuicyJay_218, KashFlow_216, Klein_230, Lucky2013_220, MiaZeal_232, Minerva_221, NihilNomen_225, Odette_225, Omega_225, Optimus_219, Phoebus_221, Porcelain_223, Pound_213, Redno2_215, Schatzie_214, Squint_221, Superphikiman_222, Thibault_198, ThreeRngTarjay_223, Wanda_222, Yeet_216, Zelink_216,

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 2:
• Found in 41 of 41 (100.0%) of genes in pham
• Manual Annotations of this start: 37 of 37
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_230 (J), BAKA_230 (J), Bagrid_230 (J), Beem_225 (J), Bobby_204 (J), Bombitas_208 (J), Constella_215 (J), Courthouse_227 (J), Dallas_223 (J), DmpstrDiver_223 (J), Dove_216 (J), Duke13_226 (J), Ejimix_215 (J), EricMillard_220 (J), Gonephishing_219 (J), Halley_226 (J), Hannaconda_214 (J), HokkenD_214 (J), Hughesyang_224 (J), JuicyJay_218 (J), KashFlow_216 (J), Klein_230 (J), Lucky2013_220 (J), MiaZeal_232 (J), Minerva_221 (J), NihilNomen_225 (J), Odette_225 (J), Omega_225 (J), Optimus_219 (J), Phoebus_221 (J), Porcelain_223 (J), Pound_213 (J), Redno2_215 (J), Schatzie_214 (J), Squint_221 (J), Superphikiman_222 (J), Thibault_198 (J), ThreeRngTarjay_223 (J), Wanda_222 (J), Yeet_216 (J), Zelink_216 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 37 times for cluster J.

Gene Information:

Gene: Ariel_230 Start: 104741, Stop: 104607, Start Num: 2
Candidate Starts for Ariel_230:
(Start: 2 @104741 has 37 MA's), (4, 104717), (5, 104690), (6, 104684), (7, 104672), (10, 104615),

Gene: BAKA_230 Start: 108132, Stop: 108001, Start Num: 2
Candidate Starts for BAKA_230:
(Start: 2 @108132 has 37 MA's), (3, 108117), (4, 108108), (5, 108081), (6, 108075), (7, 108063), (10, 108009),

Gene: Bagrid_230 Start: 108840, Stop: 108706, Start Num: 2
Candidate Starts for Bagrid_230:
(Start: 2 @108840 has 37 MA's), (3, 108825), (4, 108816), (5, 108789), (6, 108783), (7, 108771), (10, 108714),

Gene: Beem_225 Start: 107608, Stop: 107474, Start Num: 2
Candidate Starts for Beem_225:
(Start: 2 @107608 has 37 MA's), (3, 107593), (4, 107584), (5, 107557), (6, 107551), (7, 107539), (10, 107482),

Gene: Bobby_204 Start: 105616, Stop: 105485, Start Num: 2
Candidate Starts for Bobby_204:
(Start: 2 @105616 has 37 MA's), (3, 105601), (4, 105592), (5, 105565), (6, 105559), (7, 105547), (10, 105493),

Gene: Bombitas_208 Start: 104097, Stop: 103963, Start Num: 2
Candidate Starts for Bombitas_208:
(Start: 2 @104097 has 37 MA's), (4, 104073), (5, 104046), (6, 104040), (7, 104028), (10, 103971),

Gene: Constella_215 Start: 105844, Stop: 105713, Start Num: 2
Candidate Starts for Constella_215:
(Start: 2 @105844 has 37 MA's), (3, 105829), (4, 105820), (5, 105793), (6, 105787), (7, 105775), (10, 105721),

Gene: Courthouse_227 Start: 105601, Stop: 105467, Start Num: 2
Candidate Starts for Courthouse_227:
(Start: 2 @105601 has 37 MA's), (4, 105577), (5, 105550), (6, 105544), (7, 105532), (10, 105475),

Gene: Dallas_223 Start: 106453, Stop: 106322, Start Num: 2
Candidate Starts for Dallas_223:
(Start: 2 @106453 has 37 MA's), (3, 106438), (4, 106429), (5, 106402), (6, 106396), (7, 106384), (10, 106330),

Gene: DmpstrDiver_223 Start: 106235, Stop: 106101, Start Num: 2
Candidate Starts for DmpstrDiver_223:
(Start: 2 @106235 has 37 MA's), (4, 106211), (5, 106184), (6, 106178), (7, 106166), (9, 106118), (10, 106109),

Gene: Dove_216 Start: 102720, Stop: 102586, Start Num: 2
Candidate Starts for Dove_216:
(Start: 2 @102720 has 37 MA's), (3, 102705), (4, 102696), (5, 102669), (6, 102663), (7, 102651), (10, 102594),

Gene: Duke13_226 Start: 107030, Stop: 106899, Start Num: 2
Candidate Starts for Duke13_226:
(1, 107060), (Start: 2 @107030 has 37 MA's), (3, 107015), (4, 107006), (5, 106979), (6, 106973), (7, 106961), (10, 106907),

Gene: Ejimix_215 Start: 106013, Stop: 105879, Start Num: 2
Candidate Starts for Ejimix_215:
(Start: 2 @106013 has 37 MA's), (3, 105998), (4, 105989), (5, 105962), (6, 105956), (10, 105887),

Gene: EricMillard_220 Start: 107732, Stop: 107598, Start Num: 2
Candidate Starts for EricMillard_220:
(Start: 2 @107732 has 37 MA's), (3, 107717), (4, 107708), (5, 107681), (6, 107675), (7, 107663), (10, 107606),

Gene: Gonephishing_219 Start: 104994, Stop: 104866, Start Num: 2
Candidate Starts for Gonephishing_219:
(Start: 2 @104994 has 37 MA's), (4, 104970), (5, 104943), (6, 104937), (7, 104925), (8, 104880),

Gene: Halley_226 Start: 106402, Stop: 106274, Start Num: 2
Candidate Starts for Halley_226:
(Start: 2 @106402 has 37 MA's), (4, 106378), (5, 106351), (6, 106345), (7, 106333), (8, 106288),

Gene: Hannaconda_214 Start: 106017, Stop: 105886, Start Num: 2
Candidate Starts for Hannaconda_214:

(Start: 2 @106017 has 37 MA's), (3, 106002), (4, 105993), (5, 105966), (6, 105960), (7, 105948), (10, 105894),

Gene: HokkenD_214 Start: 107329, Stop: 107201, Start Num: 2
Candidate Starts for HokkenD_214:
(1, 107359), (Start: 2 @107329 has 37 MA's), (3, 107314), (4, 107305), (5, 107278), (6, 107272), (7, 107260), (8, 107215),

Gene: Hughesyang_224 Start: 107287, Stop: 107153, Start Num: 2
Candidate Starts for Hughesyang_224:
(Start: 2 @107287 has 37 MA's), (3, 107272), (4, 107263), (5, 107236), (6, 107230), (7, 107218), (10, 107161),

Gene: JuicyJay_218 Start: 107557, Stop: 107423, Start Num: 2
Candidate Starts for JuicyJay_218:
(Start: 2 @107557 has 37 MA's), (3, 107542), (4, 107533), (5, 107506), (6, 107500), (7, 107488), (10, 107431),

Gene: KashFlow_216 Start: 105911, Stop: 105780, Start Num: 2
Candidate Starts for KashFlow_216:
(Start: 2 @105911 has 37 MA's), (3, 105896), (4, 105887), (5, 105860), (6, 105854), (7, 105842), (10, 105788),

Gene: Klein_230 Start: 106838, Stop: 106707, Start Num: 2
Candidate Starts for Klein_230:
(Start: 2 @106838 has 37 MA's), (3, 106823), (4, 106814), (5, 106787), (6, 106781), (7, 106769), (10, 106715),

Gene: Lucky2013_220 Start: 103243, Stop: 103112, Start Num: 2
Candidate Starts for Lucky2013_220:
(1, 103273), (Start: 2 @103243 has 37 MA's), (3, 103228), (4, 103219), (5, 103192), (6, 103186), (7, 103174), (10, 103120),

Gene: MiaZeal_232 Start: 105382, Stop: 105251, Start Num: 2
Candidate Starts for MiaZeal_232:
(1, 105412), (Start: 2 @105382 has 37 MA's), (3, 105367), (4, 105358), (5, 105331), (6, 105325), (7, 105313), (10, 105259),

Gene: Minerva_221 Start: 104823, Stop: 104692, Start Num: 2
Candidate Starts for Minerva_221:
(1, 104853), (Start: 2 @104823 has 37 MA's), (3, 104808), (4, 104799), (5, 104772), (6, 104766), (7, 104754), (10, 104700),

Gene: NihilNomen_225 Start: 105596, Stop: 105468, Start Num: 2
Candidate Starts for NihilNomen_225:
(1, 105626), (Start: 2 @105596 has 37 MA's), (3, 105581), (4, 105572), (5, 105545), (6, 105539), (7, 105527), (8, 105482),

Gene: Odette_225 Start: 107668, Stop: 107537, Start Num: 2
Candidate Starts for Odette_225:
(Start: 2 @107668 has 37 MA's), (3, 107653), (4, 107644), (5, 107617), (6, 107611), (7, 107599), (10, 107545),

Gene: Omega_225 Start: 107114, Stop: 106986, Start Num: 2
Candidate Starts for Omega_225:
(Start: 2 @107114 has 37 MA's), (4, 107090), (5, 107063), (6, 107057), (7, 107045), (8, 107000),

Gene: Optimus_219 Start: 105841, Stop: 105707, Start Num: 2
Candidate Starts for Optimus_219:
(Start: 2 @105841 has 37 MA's), (3, 105826), (4, 105817), (5, 105790), (6, 105784), (7, 105772), (10, 105715),

Gene: Phoebus_221 Start: 108846, Stop: 108718, Start Num: 2
Candidate Starts for Phoebus_221:
(1, 108876), (Start: 2 @108846 has 37 MA's), (3, 108831), (4, 108822), (5, 108795), (6, 108789), (7, 108777), (8, 108732),

Gene: Porcelain_223 Start: 104190, Stop: 104059, Start Num: 2
Candidate Starts for Porcelain_223:
(1, 104220), (Start: 2 @104190 has 37 MA's), (3, 104175), (4, 104166), (5, 104139), (6, 104133), (7, 104121), (10, 104067),

Gene: Pound_213 Start: 105014, Stop: 104880, Start Num: 2
Candidate Starts for Pound_213:
(Start: 2 @105014 has 37 MA's), (4, 104990), (5, 104963), (6, 104957), (7, 104945), (9, 104897), (10, 104888),

Gene: Redno2_215 Start: 103447, Stop: 103313, Start Num: 2
Candidate Starts for Redno2_215:
(Start: 2 @103447 has 37 MA's), (3, 103432), (4, 103423), (5, 103396), (6, 103390), (7, 103378), (10, 103321),

Gene: Schatzie_214 Start: 105548, Stop: 105417, Start Num: 2
Candidate Starts for Schatzie_214:
(Start: 2 @105548 has 37 MA's), (3, 105533), (4, 105524), (5, 105497), (6, 105491), (7, 105479), (10, 105425),

Gene: Squint_221 Start: 104826, Stop: 104695, Start Num: 2
Candidate Starts for Squint_221:
(1, 104856), (Start: 2 @104826 has 37 MA's), (3, 104811), (4, 104802), (5, 104775), (6, 104769), (7, 104757), (10, 104703),

Gene: Superphikiman_222 Start: 104562, Stop: 104428, Start Num: 2
Candidate Starts for Superphikiman_222:
(Start: 2 @104562 has 37 MA's), (4, 104538), (5, 104511), (6, 104505), (7, 104493), (10, 104436),

Gene: Thibault_198 Start: 101540, Stop: 101406, Start Num: 2
Candidate Starts for Thibault_198:
(Start: 2 @101540 has 37 MA's), (3, 101525), (4, 101516), (5, 101489), (6, 101483), (7, 101471), (10, 101414),

Gene: ThreeRngTarjay_223 Start: 108067, Stop: 107936, Start Num: 2
Candidate Starts for ThreeRngTarjay_223:
(Start: 2 @108067 has 37 MA's), (3, 108052), (4, 108043), (5, 108016), (6, 108010), (7, 107998), (10, 107944),

Gene: Wanda_222 Start: 104468, Stop: 104337, Start Num: 2
Candidate Starts for Wanda_222:
(Start: 2 @104468 has 37 MA's), (3, 104453), (4, 104444), (5, 104417), (6, 104411), (7, 104399), (10, 104345),

Gene: Yeet_216 Start: 105647, Stop: 105513, Start Num: 2
Candidate Starts for Yeet_216:
(Start: 2 @105647 has 37 MA's), (3, 105632), (4, 105623), (5, 105596), (6, 105590), (7, 105578), (10, 105521),

Gene: Zelink_216 Start: 105784, Stop: 105650, Start Num: 2
Candidate Starts for Zelink_216:
(Start: 2 @105784 has 37 MA's), (3, 105769), (4, 105760), (5, 105733), (6, 105727), (10, 105658),