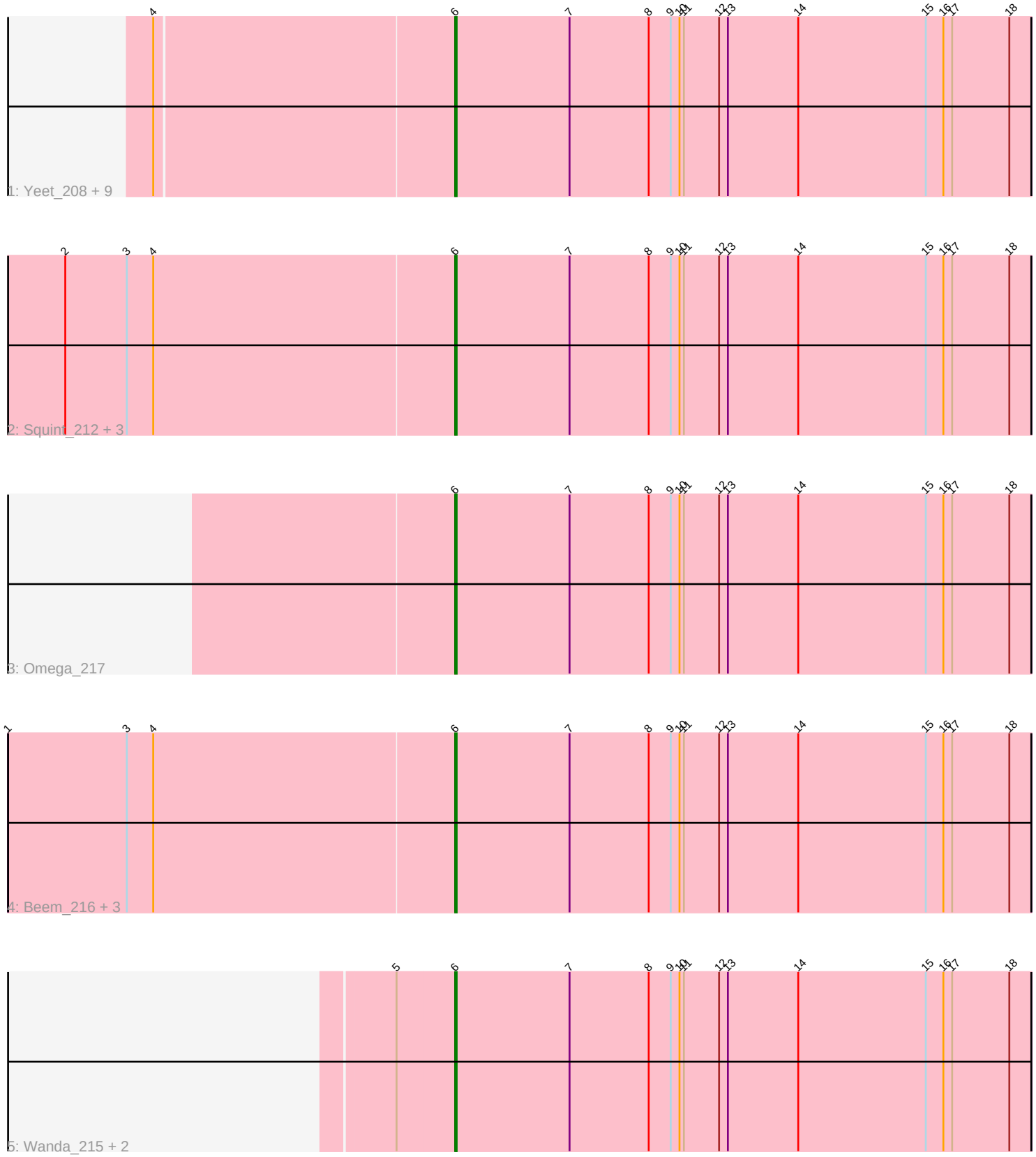
Pham 3896



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 3896 Report

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

Pham number 3896 has 22 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Yeet_208, Ejimix_206, Redno2_206, Bagrid_222, EricMillard_212, Hughesyang_215, JuicyJay_209, Halley_218, ThreeRngTarjay_214, Dove_208
• Track 2 : Squint_212, Dallas_214, Optimus_210, Duke13_217
• Track 3 : Omega_217
• Track 4 : Beem_216, Zelink_207, Bombitas_199, NihilNomen_217
• Track 5 : Wanda_215, BAKA_223, Klein_223

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

The start number called the most often in the published annotations is 6, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_223, Bagrid_222, Beem_216, Bombitas_199, Dallas_214, Dove_208, Duke13_217, Ejimix_206, EricMillard_212, Halley_218, Hughesyang_215, JuicyJay_209, Klein_223, NihilNomen_217, Omega_217, Optimus_210, Redno2_206, Squint_212, ThreeRngTarjay_214, Wanda_215, Yeet_208, Zelink_207,

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 6:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_223 (J), Bagrid_222 (J), Beem_216 (J), Bombitas_199 (J), Dallas_214 (J), Dove_208 (J), Duke13_217 (J), Ejimix_206 (J), EricMillard_212 (J), Halley_218 (J), Hughesyang_215 (J), JuicyJay_209 (J), Klein_223 (J), NihilNomen_217 (J), Omega_217 (J), Optimus_210

(J), Redno2_206 (J), Squint_212 (J), ThreeRngTarjay_214 (J), Wanda_215 (J), Yeet_208 (J), Zelink_207 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 6 was manually annotated 20 times for cluster J.

Gene Information:

Gene: BAKA_223 Start: 106571, Stop: 106179, Start Num: 6
Candidate Starts for BAKA_223:
(5, 106610), (Start: 6 @106571 has 20 MA's), (7, 106493), (8, 106439), (9, 106424), (10, 106418), (11, 106415), (12, 106391), (13, 106385), (14, 106337), (15, 106250), (16, 106238), (17, 106232), (18, 106193),

Gene: Bagrid_222 Start: 106933, Stop: 106541, Start Num: 6
Candidate Starts for Bagrid_222:
(4, 107134), (Start: 6 @106933 has 20 MA's), (7, 106855), (8, 106801), (9, 106786), (10, 106780), (11, 106777), (12, 106753), (13, 106747), (14, 106699), (15, 106612), (16, 106600), (17, 106594), (18, 106555),

Gene: Beem_216 Start: 105698, Stop: 105306, Start Num: 6
Candidate Starts for Beem_216:
(1, 106001), (3, 105920), (4, 105902), (Start: 6 @105698 has 20 MA's), (7, 105620), (8, 105566), (9, 105551), (10, 105545), (11, 105542), (12, 105518), (13, 105512), (14, 105464), (15, 105377), (16, 105365), (17, 105359), (18, 105320),

Gene: Bombitas_199 Start: 102187, Stop: 101795, Start Num: 6
Candidate Starts for Bombitas_199:
(1, 102490), (3, 102409), (4, 102391), (Start: 6 @102187 has 20 MA's), (7, 102109), (8, 102055), (9, 102040), (10, 102034), (11, 102031), (12, 102007), (13, 102001), (14, 101953), (15, 101866), (16, 101854), (17, 101848), (18, 101809),

Gene: Dallas_214 Start: 104477, Stop: 104085, Start Num: 6
Candidate Starts for Dallas_214:
(2, 104741), (3, 104699), (4, 104681), (Start: 6 @104477 has 20 MA's), (7, 104399), (8, 104345), (9, 104330), (10, 104324), (11, 104321), (12, 104297), (13, 104291), (14, 104243), (15, 104156), (16, 104144), (17, 104138), (18, 104099),

Gene: Dove_208 Start: 100812, Stop: 100420, Start Num: 6
Candidate Starts for Dove_208:
(4, 101013), (Start: 6 @100812 has 20 MA's), (7, 100734), (8, 100680), (9, 100665), (10, 100659), (11, 100656), (12, 100632), (13, 100626), (14, 100578), (15, 100491), (16, 100479), (17, 100473), (18, 100434),

Gene: Duke13_217 Start: 105149, Stop: 104757, Start Num: 6
Candidate Starts for Duke13_217:

(2, 105413), (3, 105371), (4, 105353), (Start: 6 @105149 has 20 MA's), (7, 105071), (8, 105017), (9, 105002), (10, 104996), (11, 104993), (12, 104969), (13, 104963), (14, 104915), (15, 104828), (16, 104816), (17, 104810), (18, 104771),

Gene: Ejimix_206 Start: 104106, Stop: 103714, Start Num: 6
Candidate Starts for Ejimix_206:
(4, 104307), (Start: 6 @104106 has 20 MA's), (7, 104028), (8, 103974), (9, 103959), (10, 103953), (11, 103950), (12, 103926), (13, 103920), (14, 103872), (15, 103785), (16, 103773), (17, 103767), (18, 103728),

Gene: EricMillard_212 Start: 105825, Stop: 105433, Start Num: 6
Candidate Starts for EricMillard_212:
(4, 106026), (Start: 6 @105825 has 20 MA's), (7, 105747), (8, 105693), (9, 105678), (10, 105672), (11, 105669), (12, 105645), (13, 105639), (14, 105591), (15, 105504), (16, 105492), (17, 105486), (18, 105447),

Gene: Halley_218 Start: 104719, Stop: 104327, Start Num: 6
Candidate Starts for Halley_218:
(4, 104920), (Start: 6 @104719 has 20 MA's), (7, 104641), (8, 104587), (9, 104572), (10, 104566), (11, 104563), (12, 104539), (13, 104533), (14, 104485), (15, 104398), (16, 104386), (17, 104380), (18, 104341),

Gene: Hughesyang_215 Start: 105379, Stop: 104987, Start Num: 6
Candidate Starts for Hughesyang_215:
(4, 105580), (Start: 6 @105379 has 20 MA's), (7, 105301), (8, 105247), (9, 105232), (10, 105226), (11, 105223), (12, 105199), (13, 105193), (14, 105145), (15, 105058), (16, 105046), (17, 105040), (18, 105001),

Gene: JuicyJay_209 Start: 105650, Stop: 105258, Start Num: 6
Candidate Starts for JuicyJay_209:
(4, 105851), (Start: 6 @105650 has 20 MA's), (7, 105572), (8, 105518), (9, 105503), (10, 105497), (11, 105494), (12, 105470), (13, 105464), (14, 105416), (15, 105329), (16, 105317), (17, 105311), (18, 105272),

Gene: Klein_223 Start: 105277, Stop: 104885, Start Num: 6
Candidate Starts for Klein_223:
(5, 105316), (Start: 6 @105277 has 20 MA's), (7, 105199), (8, 105145), (9, 105130), (10, 105124), (11, 105121), (12, 105097), (13, 105091), (14, 105043), (15, 104956), (16, 104944), (17, 104938), (18, 104899),

Gene: NihilNomen_217 Start: 103897, Stop: 103505, Start Num: 6
Candidate Starts for NihilNomen_217:
(1, 104200), (3, 104119), (4, 104101), (Start: 6 @103897 has 20 MA's), (7, 103819), (8, 103765), (9, 103750), (10, 103744), (11, 103741), (12, 103717), (13, 103711), (14, 103663), (15, 103576), (16, 103564), (17, 103558), (18, 103519),

Gene: Omega_217 Start: 105426, Stop: 105034, Start Num: 6
Candidate Starts for Omega_217:
(Start: 6 @105426 has 20 MA's), (7, 105348), (8, 105294), (9, 105279), (10, 105273), (11, 105270), (12, 105246), (13, 105240), (14, 105192), (15, 105105), (16, 105093), (17, 105087), (18, 105048),

Gene: Optimus_210 Start: 104204, Stop: 103812, Start Num: 6
Candidate Starts for Optimus_210:

(2, 104468), (3, 104426), (4, 104408), (Start: 6 @104204 has 20 MA's), (7, 104126), (8, 104072), (9, 104057), (10, 104051), (11, 104048), (12, 104024), (13, 104018), (14, 103970), (15, 103883), (16, 103871), (17, 103865), (18, 103826),

Gene: Redno2_206 Start: 101540, Stop: 101148, Start Num: 6
Candidate Starts for Redno2_206:
(4, 101741), (Start: 6 @101540 has 20 MA's), (7, 101462), (8, 101408), (9, 101393), (10, 101387), (11, 101384), (12, 101360), (13, 101354), (14, 101306), (15, 101219), (16, 101207), (17, 101201), (18, 101162),

Gene: Squint_212 Start: 102588, Stop: 102196, Start Num: 6
Candidate Starts for Squint_212:
(2, 102852), (3, 102810), (4, 102792), (Start: 6 @102588 has 20 MA's), (7, 102510), (8, 102456), (9, 102441), (10, 102435), (11, 102432), (12, 102408), (13, 102402), (14, 102354), (15, 102267), (16, 102255), (17, 102249), (18, 102210),

Gene: ThreeRngTarjay_214 Start: 106144, Stop: 105752, Start Num: 6
Candidate Starts for ThreeRngTarjay_214:
(4, 106345), (Start: 6 @106144 has 20 MA's), (7, 106066), (8, 106012), (9, 105997), (10, 105991), (11, 105988), (12, 105964), (13, 105958), (14, 105910), (15, 105823), (16, 105811), (17, 105805), (18, 105766),

Gene: Wanda_215 Start: 102907, Stop: 102515, Start Num: 6
Candidate Starts for Wanda_215:
(5, 102946), (Start: 6 @102907 has 20 MA's), (7, 102829), (8, 102775), (9, 102760), (10, 102754), (11, 102751), (12, 102727), (13, 102721), (14, 102673), (15, 102586), (16, 102574), (17, 102568), (18, 102529),

Gene: Yeet_208 Start: 103739, Stop: 103347, Start Num: 6
Candidate Starts for Yeet_208:
(4, 103940), (Start: 6 @103739 has 20 MA's), (7, 103661), (8, 103607), (9, 103592), (10, 103586), (11, 103583), (12, 103559), (13, 103553), (14, 103505), (15, 103418), (16, 103406), (17, 103400), (18, 103361),

Gene: Zelink_207 Start: 103874, Stop: 103482, Start Num: 6
Candidate Starts for Zelink_207:
(1, 104177), (3, 104096), (4, 104078), (Start: 6 @103874 has 20 MA's), (7, 103796), (8, 103742), (9, 103727), (10, 103721), (11, 103718), (12, 103694), (13, 103688), (14, 103640), (15, 103553), (16, 103541), (17, 103535), (18, 103496),