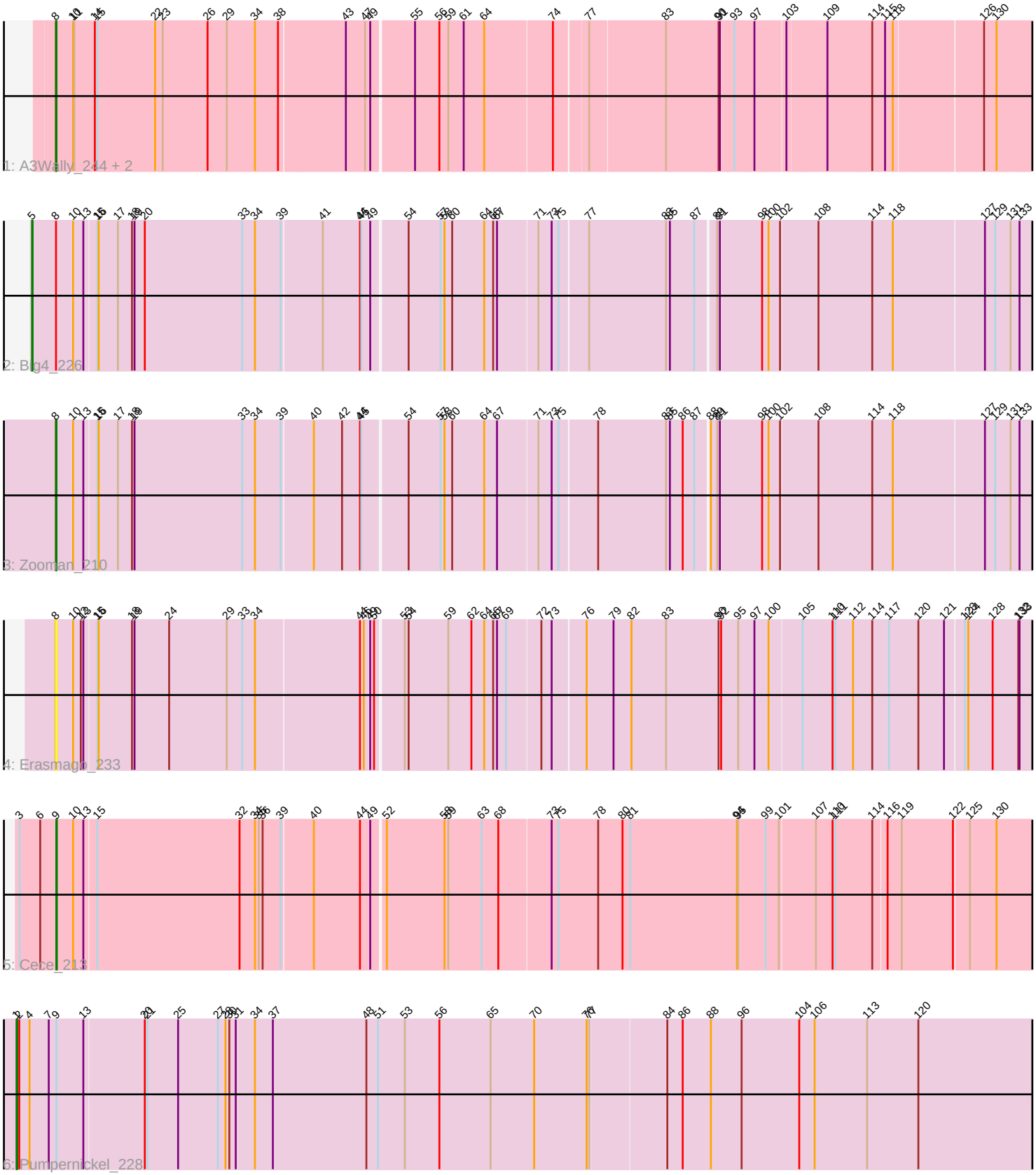
Pham 342855


1: A3Wally_244 + 2
2: Big4_226
3: Zooman_210
4: Erasmago_233
5: Cece_213
6: Pumpernickel_228

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 342855 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342855 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : A3Wally_244, PauloDiaboli_244, Dodo_239
• Track 2 : Big4_226
• Track 3 : Zooman_210
• Track 4 : Erasmago_233
• Track 5 : Cece_213
• Track 6 : Pumpernickel_228

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_244, Dodo_239, Erasmago_233, PauloDiaboli_244, Zooman_210,

Genes that have the "Most Annotated" start but do not call it:
• Big4_226,

Genes that do not have the "Most Annotated" start:
• Cece_213, Pumpernickel_228,

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pumpernickel_228 (GD4),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Big4_226 (GD2),

Start 8:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 83.3% of time when present
• Phage (with cluster) where this start called: A3Wally_244 (GD1), Dodo_239 (GD1), Erasmago_233 (GD2), PauloDiaboli_244 (GD1), Zooman_210 (GD2),

Start 9:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Cece_213 (GD3),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD3, GD4,

Info for manual annotations of cluster GD1:
•Start number 8 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 5 was manually annotated 1 time for cluster GD2.
•Start number 8 was manually annotated 1 time for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 9 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 1 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_244 Start: 134326, Stop: 136515, Start Num: 8
Candidate Starts for A3Wally_244:
(Start: 8 @134326 has 4 MA's), (10, 134365), (11, 134368), (14, 134416), (15, 134422), (22, 134557), (23, 134575), (26, 134680), (29, 134725), (34, 134791), (38, 134845), (43, 134995), (47, 135040), (49, 135052), (55, 135145), (56, 135202), (59, 135223), (61, 135259), (64, 135307), (74, 135460), (77, 135532), (83, 135706), (90, 135826), (91, 135829), (93, 135862), (97, 135907), (103, 135973), (109, 136063), (114, 136165), (115, 136195), (118, 136213), (126, 136411), (130, 136438),

Gene: Big4_226 Start: 128570, Stop: 130789, Start Num: 5
Candidate Starts for Big4_226:
(Start: 5 @128570 has 1 MA's), (Start: 8 @128618 has 4 MA's), (10, 128657), (13, 128681), (15, 128708), (16, 128711), (17, 128756), (18, 128789), (19, 128795), (20, 128819), (33, 129047), (34, 129077), (39, 129137), (41, 129227), (44, 129314), (45, 129317), (49, 129338), (54, 129416), (57, 129491), (58, 129500), (60, 129518), (64, 129593), (66, 129614), (67, 129623), (71, 129713), (73, 129743), (75, 129758), (77, 129818), (83, 129998), (85, 130007), (87, 130064), (89, 130106), (91, 130112), (98, 130205), (100, 130217), (102, 130244), (108, 130322), (114, 130445), (118, 130493), (127, 130688), (129, 130712), (131, 130745), (133, 130766),

Gene: Cece_213 Start: 128769, Stop: 130955, Start Num: 9
Candidate Starts for Cece_213:
(3, 128685), (6, 128733), (Start: 9 @128769 has 1 MA's), (10, 128808), (13, 128832), (15, 128859), (32, 129192), (34, 129228), (35, 129237), (36, 129246), (39, 129288), (40, 129357), (44, 129465), (49, 129489), (52, 129516), (58, 129651), (59, 129660), (63, 129738), (68, 129777), (73, 129891), (75, 129906), (78, 129999), (80, 130053), (81, 130071), (94, 130311), (95, 130314), (99, 130374), (101, 130404), (107, 130479), (110, 130518), (111, 130524), (114, 130608), (116, 130638), (119, 130671), (122, 130791), (125, 130824), (130, 130881),

Gene: Dodo_239 Start: 134010, Stop: 136199, Start Num: 8
Candidate Starts for Dodo_239:
(Start: 8 @134010 has 4 MA's), (10, 134049), (11, 134052), (14, 134100), (15, 134106), (22, 134241), (23, 134259), (26, 134364), (29, 134409), (34, 134475), (38, 134529), (43, 134679), (47, 134724), (49, 134736), (55, 134829), (56, 134886), (59, 134907), (61, 134943), (64, 134991), (74, 135144), (77, 135216), (83, 135390), (90, 135510), (91, 135513), (93, 135546), (97, 135591), (103, 135657), (109, 135747), (114, 135849), (115, 135879), (118, 135897), (126, 136095), (130, 136122),

Gene: Erasmago_233 Start: 128662, Stop: 130857, Start Num: 8
Candidate Starts for Erasmago_233:
(Start: 8 @128662 has 4 MA's), (10, 128701), (12, 128719), (13, 128725), (15, 128752), (16, 128755), (18, 128833), (19, 128839), (24, 128920), (29, 129055), (33, 129091), (34, 129121), (44, 129358), (46, 129367), (49, 129382), (50, 129391), (53, 129451), (54, 129460), (59, 129553), (62, 129607), (64, 129637), (66, 129658), (67, 129667), (69, 129688), (72, 129763), (73, 129787), (76, 129856), (79, 129916), (82, 129958), (83, 130039), (90, 130159), (92, 130165), (95, 130201), (97, 130237), (100, 130270), (105, 130342), (110, 130408), (111, 130414), (112, 130456), (114, 130498), (117, 130531), (120, 130600), (121, 130660), (123, 130702), (124, 130708), (128, 130759), (132, 130819), (133, 130822),

Gene: PauloDiaboli_244 Start: 131526, Stop: 133715, Start Num: 8
Candidate Starts for PauloDiaboli_244:
(Start: 8 @131526 has 4 MA's), (10, 131565), (11, 131568), (14, 131616), (15, 131622), (22, 131757), (23, 131775), (26, 131880), (29, 131925), (34, 131991), (38, 132045), (43, 132195), (47, 132240), (49, 132252), (55, 132345), (56, 132402), (59, 132423), (61, 132459), (64, 132507), (74, 132660), (77, 132732), (83, 132906), (90, 133026), (91, 133029), (93, 133062), (97, 133107), (103, 133173), (109, 133263), (114, 133365), (115, 133395), (118, 133413), (126, 133611), (130, 133638),

Gene: Pumpernickel_228 Start: 133122, Stop: 135482, Start Num: 1
Candidate Starts for Pumpernickel_228:
(Start: 1 @133122 has 1 MA's), (2, 133128), (4, 133152), (7, 133197), (Start: 9 @133215 has 1 MA's), (13, 133278), (20, 133416), (21, 133422), (25, 133494), (27, 133587), (28, 133605), (30, 133614), (31, 133629), (34, 133674), (37, 133716), (48, 133932), (51, 133959), (53, 134022), (56, 134103), (65, 134223), (70, 134325), (76, 134445), (77, 134451), (84, 134622), (86, 134658), (88, 134724), (96, 134796), (104, 134928), (106, 134964), (113, 135087), (120, 135204),

Gene: Zooman_210 Start: 127484, Stop: 129655, Start Num: 8
Candidate Starts for Zooman_210:
(Start: 8 @127484 has 4 MA's), (10, 127523), (13, 127547), (15, 127574), (16, 127577), (17, 127622), (18, 127655), (19, 127661), (33, 127913), (34, 127943), (39, 128003), (40, 128072), (42, 128138), (44, 128180), (45, 128183), (54, 128282), (57, 128357), (58, 128366), (60, 128384), (64, 128459), (67, 128489), (71, 128579), (73, 128609), (75, 128624), (78, 128705), (83, 128864), (85, 128873), (86, 128903), (87, 128930), (88, 128957), (89, 128972), (91, 128978), (98, 129071), (100, 129083), (102, 129110), (108, 129188), (114, 129311), (118, 129359), (127, 129554), (129, 129578), (131, 129611), (133, 129632),