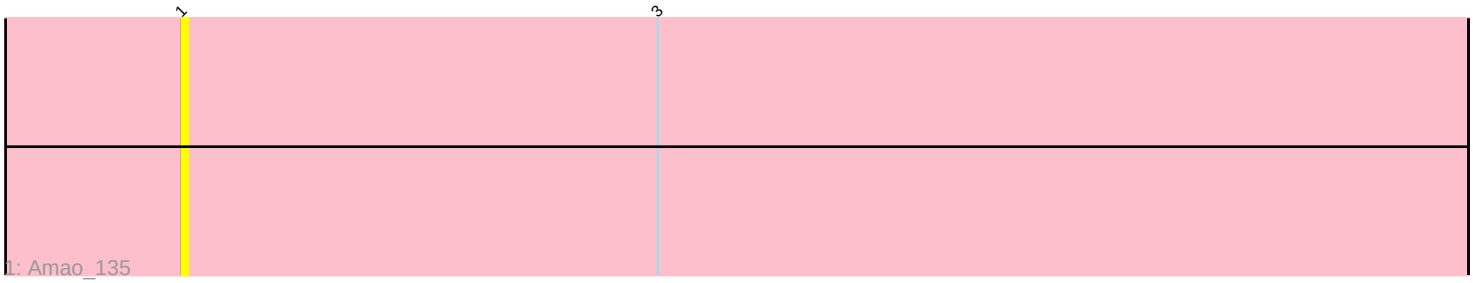
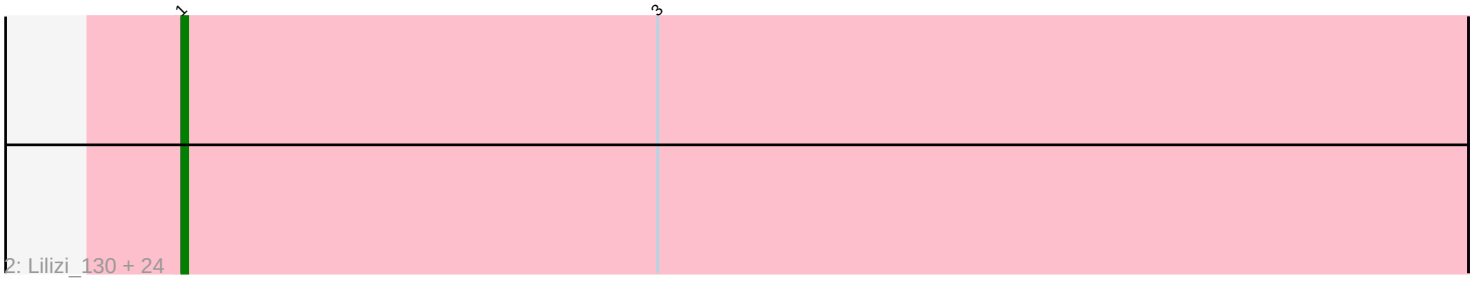
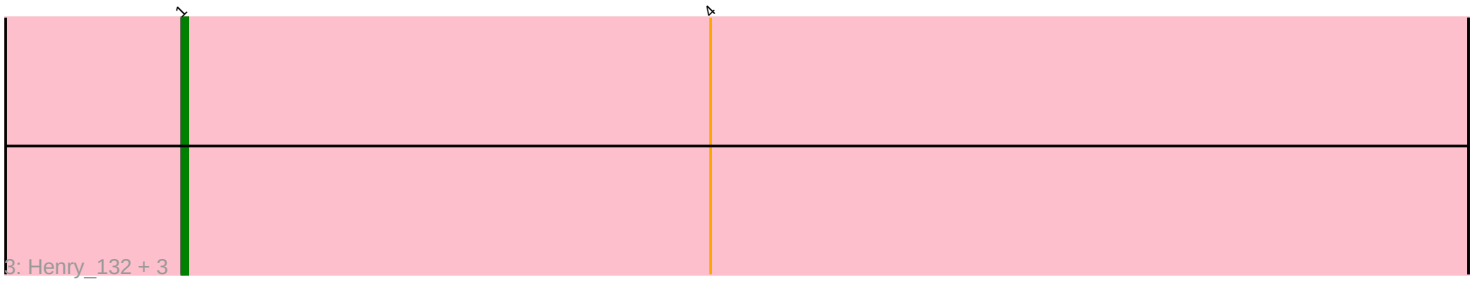
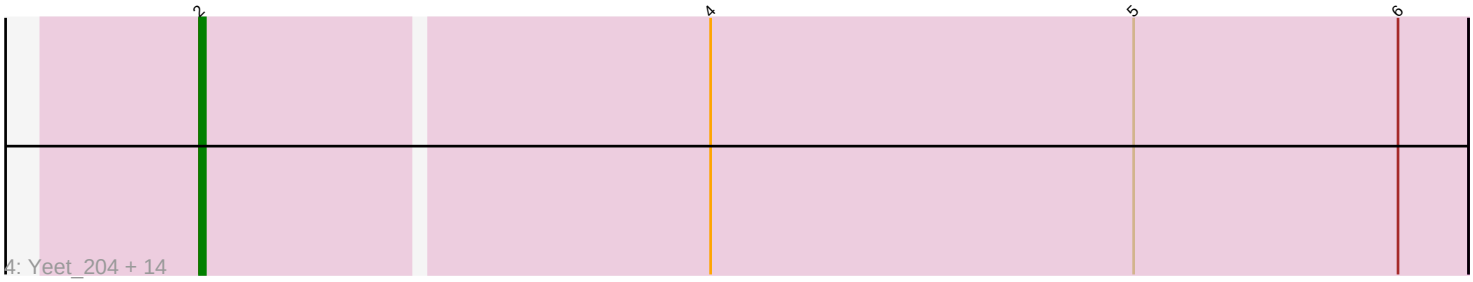
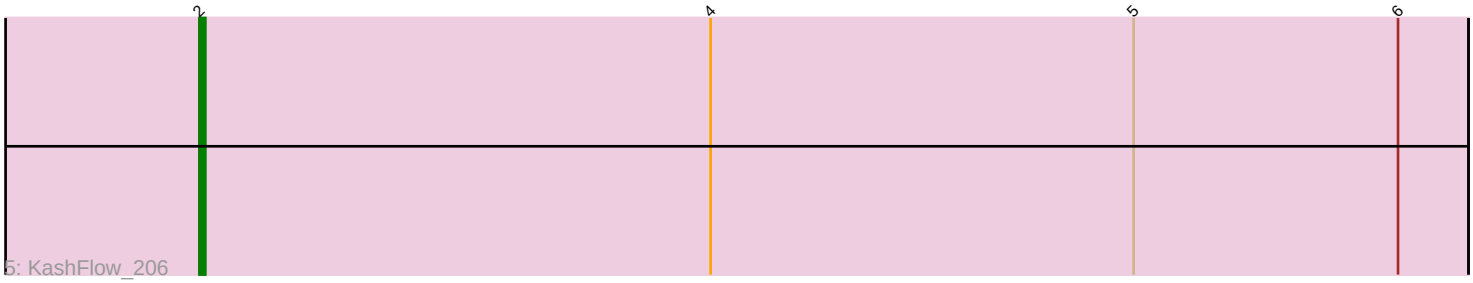
Pham 2211


1
3
1: Amao_135


1
3
2: Lilizi_130 + 24


1
4
3: Henry_132 + 3


2
4
5
6
4: Yeet_204 + 14


2
4
5
6
5: KashFlow_206

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 2211 Report

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

Pham number 2211 has 46 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Amao_135
• Track 2 : Lilizi_130, GoldenSpark_134, Wiggin_133, Moldemort_132, Cactus_138, Hoonter_133, Kimchi_135, Emmina_130, Gemini_135, AmericanBeauty_137, Adnama_134, Bench_132, Saints25_126, Xandras_130, TBrady12_134, Stank_133, Argent26_134, Sotrice96_135, StolenFromERC_132, Highbury_126, Porky_131, Holt_136, Easy2Say_131, GooberAzure_132, Goldilocks_135
• Track 3 : Henry_132, Gator_132, Glexan_134, Harella_136
• Track 4 : Yeet_204, Courthouse_217, Hannaconda_205, Kalah2_214, Ejimix_202, Superphikiman_213, Gonephishing_210, Wanda_211, Constella_205, Hughesyang_211, LittleE_214, Halley_214, Ariel_220, Duke13_213, Klein_219
• Track 5 : KashFlow_206

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 28 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adnama_134, Amao_135, AmericanBeauty_137, Argent26_134, Bench_132, Cactus_138, Easy2Say_131, Emmina_130, Gator_132, Gemini_135, Glexan_134, GoldenSpark_134, Goldilocks_135, GooberAzure_132, Harella_136, Henry_132, Highbury_126, Holt_136, Hoonter_133, Kimchi_135, Lilizi_130, Moldemort_132, Porky_131, Saints25_126, Sotrice96_135, Stank_133, StolenFromERC_132, TBrady12_134, Wiggin_133, Xandras_130,

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

Genes that do not have the "Most Annotated" start:
• Ariel_220, Constella_205, Courthouse_217, Duke13_213, Ejimix_202, Gonephishing_210, Halley_214, Hannaconda_205, Hughesyang_211, Kalah2_214, KashFlow_206, Klein_219, LittleE_214, Superphikiman_213, Wanda_211, Yeet_204,

Summary by start number:

Start 1:
• Found in 30 of 46 (65.2%) of genes in pham
• Manual Annotations of this start: 28 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adnama_134 (E), Amao_135 (E), AmericanBeauty_137 (E), Argent26_134 (E), Bench_132 (E), Cactus_138 (E), Easy2Say_131 (E), Emmina_130 (E), Gator_132 (E), Gemini_135 (E), Glexan_134 (E), GoldenSpark_134 (E), Goldilocks_135 (E), GooberAzure_132 (E), Harella_136 (E), Henry_132 (E), Highbury_126 (E), Holt_136 (E), Hoonter_133 (E), Kimchi_135 (E), Lilizi_130 (E), Moldemort_132 (E), Porky_131 (E), Saints25_126 (E), Sotrice96_135 (E), Stank_133 (E), StolenFromERC_132 (E), TBrady12_134 (E), Wiggin_133 (E), Xandras_130 (E),

Start 2:
• Found in 16 of 46 (34.8%) of genes in pham
• Manual Annotations of this start: 15 of 43
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_220 (J), Constella_205 (J), Courthouse_217 (J), Duke13_213 (J), Ejimix_202 (J), Gonephishing_210 (J), Halley_214 (J), Hannaconda_205 (J), Hughesyang_211 (J), Kalah2_214 (J), KashFlow_206 (J), Klein_219 (J), LittleE_214 (J), Superphikiman_213 (J), Wanda_211 (J), Yeet_204 (J),

Summary by clusters:

There are 2 clusters represented in this pham: J, E,

Info for manual annotations of cluster E:
•Start number 1 was manually annotated 28 times for cluster E.

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 15 times for cluster J.

Gene Information:

Gene: Adnama_134 Start: 69875, Stop: 69657, Start Num: 1
Candidate Starts for Adnama_134:
(Start: 1 @69875 has 28 MA's), (3, 69794),

Gene: Amao_135 Start: 71111, Stop: 70893, Start Num: 1
Candidate Starts for Amao_135:
(Start: 1 @71111 has 28 MA's), (3, 71030),

Gene: AmericanBeauty_137 Start: 69917, Stop: 69699, Start Num: 1
Candidate Starts for AmericanBeauty_137:
(Start: 1 @69917 has 28 MA's), (3, 69836),

Gene: Argent26_134 Start: 69799, Stop: 69581, Start Num: 1
Candidate Starts for Argent26_134:
(Start: 1 @69799 has 28 MA's), (3, 69718),

Gene: Ariel_220 Start: 102622, Stop: 102407, Start Num: 2
Candidate Starts for Ariel_220:
(Start: 2 @102622 has 15 MA's), (4, 102535), (5, 102463), (6, 102418),

Gene: Bench_132 Start: 70556, Stop: 70338, Start Num: 1
Candidate Starts for Bench_132:
(Start: 1 @70556 has 28 MA's), (3, 70475),

Gene: Cactus_138 Start: 70353, Stop: 70135, Start Num: 1
Candidate Starts for Cactus_138:
(Start: 1 @70353 has 28 MA's), (3, 70272),

Gene: Constella_205 Start: 103659, Stop: 103444, Start Num: 2
Candidate Starts for Constella_205:
(Start: 2 @103659 has 15 MA's), (4, 103572), (5, 103500), (6, 103455),

Gene: Courthouse_217 Start: 103482, Stop: 103267, Start Num: 2
Candidate Starts for Courthouse_217:
(Start: 2 @103482 has 15 MA's), (4, 103395), (5, 103323), (6, 103278),

Gene: Duke13_213 Start: 104112, Stop: 103897, Start Num: 2
Candidate Starts for Duke13_213:
(Start: 2 @104112 has 15 MA's), (4, 104025), (5, 103953), (6, 103908),

Gene: Easy2Say_131 Start: 70265, Stop: 70047, Start Num: 1
Candidate Starts for Easy2Say_131:
(Start: 1 @70265 has 28 MA's), (3, 70184),

Gene: Ejimix_202 Start: 103069, Stop: 102854, Start Num: 2
Candidate Starts for Ejimix_202:
(Start: 2 @103069 has 15 MA's), (4, 102982), (5, 102910), (6, 102865),

Gene: Emmina_130 Start: 69217, Stop: 68999, Start Num: 1
Candidate Starts for Emmina_130:
(Start: 1 @69217 has 28 MA's), (3, 69136),

Gene: Gator_132 Start: 70800, Stop: 70582, Start Num: 1
Candidate Starts for Gator_132:
(Start: 1 @70800 has 28 MA's), (4, 70710),

Gene: Gemini_135 Start: 70316, Stop: 70098, Start Num: 1
Candidate Starts for Gemini_135:
(Start: 1 @70316 has 28 MA's), (3, 70235),

Gene: Glexan_134 Start: 70950, Stop: 70732, Start Num: 1
Candidate Starts for Glexan_134:
(Start: 1 @70950 has 28 MA's), (4, 70860),

Gene: GoldenSpark_134 Start: 69799, Stop: 69581, Start Num: 1
Candidate Starts for GoldenSpark_134:
(Start: 1 @69799 has 28 MA's), (3, 69718),

Gene: Goldilocks_135 Start: 70395, Stop: 70177, Start Num: 1
Candidate Starts for Goldilocks_135:
(Start: 1 @70395 has 28 MA's), (3, 70314),

Gene: Gonephishing_210 Start: 103099, Stop: 102884, Start Num: 2
Candidate Starts for Gonephishing_210:
(Start: 2 @103099 has 15 MA's), (4, 103012), (5, 102940), (6, 102895),

Gene: GooberAzure_132 Start: 69799, Stop: 69581, Start Num: 1
Candidate Starts for GooberAzure_132:
(Start: 1 @69799 has 28 MA's), (3, 69718),

Gene: Halley_214 Start: 103682, Stop: 103467, Start Num: 2
Candidate Starts for Halley_214:
(Start: 2 @103682 has 15 MA's), (4, 103595), (5, 103523), (6, 103478),

Gene: Hannaconda_205 Start: 103927, Stop: 103712, Start Num: 2
Candidate Starts for Hannaconda_205:
(Start: 2 @103927 has 15 MA's), (4, 103840), (5, 103768), (6, 103723),

Gene: Harella_136 Start: 71466, Stop: 71248, Start Num: 1
Candidate Starts for Harella_136:
(Start: 1 @71466 has 28 MA's), (4, 71376),

Gene: Henry_132 Start: 70751, Stop: 70533, Start Num: 1
Candidate Starts for Henry_132:
(Start: 1 @70751 has 28 MA's), (4, 70661),

Gene: Highbury_126 Start: 68145, Stop: 67927, Start Num: 1
Candidate Starts for Highbury_126:
(Start: 1 @68145 has 28 MA's), (3, 68064),

Gene: Holt_136 Start: 70793, Stop: 70575, Start Num: 1
Candidate Starts for Holt_136:
(Start: 1 @70793 has 28 MA's), (3, 70712),

Gene: Hoonter_133 Start: 70292, Stop: 70074, Start Num: 1
Candidate Starts for Hoonter_133:
(Start: 1 @70292 has 28 MA's), (3, 70211),

Gene: Hughesyang_211 Start: 104342, Stop: 104130, Start Num: 2
Candidate Starts for Hughesyang_211:
(Start: 2 @104342 has 15 MA's), (4, 104258), (5, 104186), (6, 104141),

Gene: Kalah2_214 Start: 106232, Stop: 106017, Start Num: 2
Candidate Starts for Kalah2_214:
(Start: 2 @106232 has 15 MA's), (4, 106145), (5, 106073), (6, 106028),

Gene: KashFlow_206 Start: 103821, Stop: 103606, Start Num: 2
Candidate Starts for KashFlow_206:
(Start: 2 @103821 has 15 MA's), (4, 103734), (5, 103662), (6, 103617),

Gene: Kimchi_135 Start: 70520, Stop: 70302, Start Num: 1

Candidate Starts for Kimchi_135:
(Start: 1 @70520 has 28 MA's), (3, 70439),

Gene: Klein_219 Start: 104240, Stop: 104025, Start Num: 2
Candidate Starts for Klein_219:
(Start: 2 @104240 has 15 MA's), (4, 104153), (5, 104081), (6, 104036),

Gene: Lilizi_130 Start: 70027, Stop: 69809, Start Num: 1
Candidate Starts for Lilizi_130:
(Start: 1 @70027 has 28 MA's), (3, 69946),

Gene: LittleE_214 Start: 104422, Stop: 104207, Start Num: 2
Candidate Starts for LittleE_214:
(Start: 2 @104422 has 15 MA's), (4, 104335), (5, 104263), (6, 104218),

Gene: Moldemort_132 Start: 69907, Stop: 69689, Start Num: 1
Candidate Starts for Moldemort_132:
(Start: 1 @69907 has 28 MA's), (3, 69826),

Gene: Porky_131 Start: 70234, Stop: 70016, Start Num: 1
Candidate Starts for Porky_131:
(Start: 1 @70234 has 28 MA's), (3, 70153),

Gene: Saints25_126 Start: 68145, Stop: 67927, Start Num: 1
Candidate Starts for Saints25_126:
(Start: 1 @68145 has 28 MA's), (3, 68064),

Gene: Sotrice96_135 Start: 71097, Stop: 70879, Start Num: 1
Candidate Starts for Sotrice96_135:
(Start: 1 @71097 has 28 MA's), (3, 71016),

Gene: Stank_133 Start: 70592, Stop: 70374, Start Num: 1
Candidate Starts for Stank_133:
(Start: 1 @70592 has 28 MA's), (3, 70511),

Gene: StolenFromERC_132 Start: 69937, Stop: 69719, Start Num: 1
Candidate Starts for StolenFromERC_132:
(Start: 1 @69937 has 28 MA's), (3, 69856),

Gene: Superphikiman_213 Start: 102443, Stop: 102228, Start Num: 2
Candidate Starts for Superphikiman_213:
(Start: 2 @102443 has 15 MA's), (4, 102356), (5, 102284), (6, 102239),

Gene: TBrady12_134 Start: 70029, Stop: 69811, Start Num: 1
Candidate Starts for TBrady12_134:
(Start: 1 @70029 has 28 MA's), (3, 69948),

Gene: Wanda_211 Start: 101870, Stop: 101655, Start Num: 2
Candidate Starts for Wanda_211:
(Start: 2 @101870 has 15 MA's), (4, 101783), (5, 101711), (6, 101666),

Gene: Wiggin_133 Start: 70022, Stop: 69804, Start Num: 1
Candidate Starts for Wiggin_133:

(Start: 1 @70022 has 28 MA's), (3, 69941),

Gene: Xandras_130 Start: 69846, Stop: 69628, Start Num: 1
Candidate Starts for Xandras_130:
(Start: 1 @69846 has 28 MA's), (3, 69765),

Gene: Yeet_204 Start: 102702, Stop: 102490, Start Num: 2
Candidate Starts for Yeet_204:
(Start: 2 @102702 has 15 MA's), (4, 102618), (5, 102546), (6, 102501),