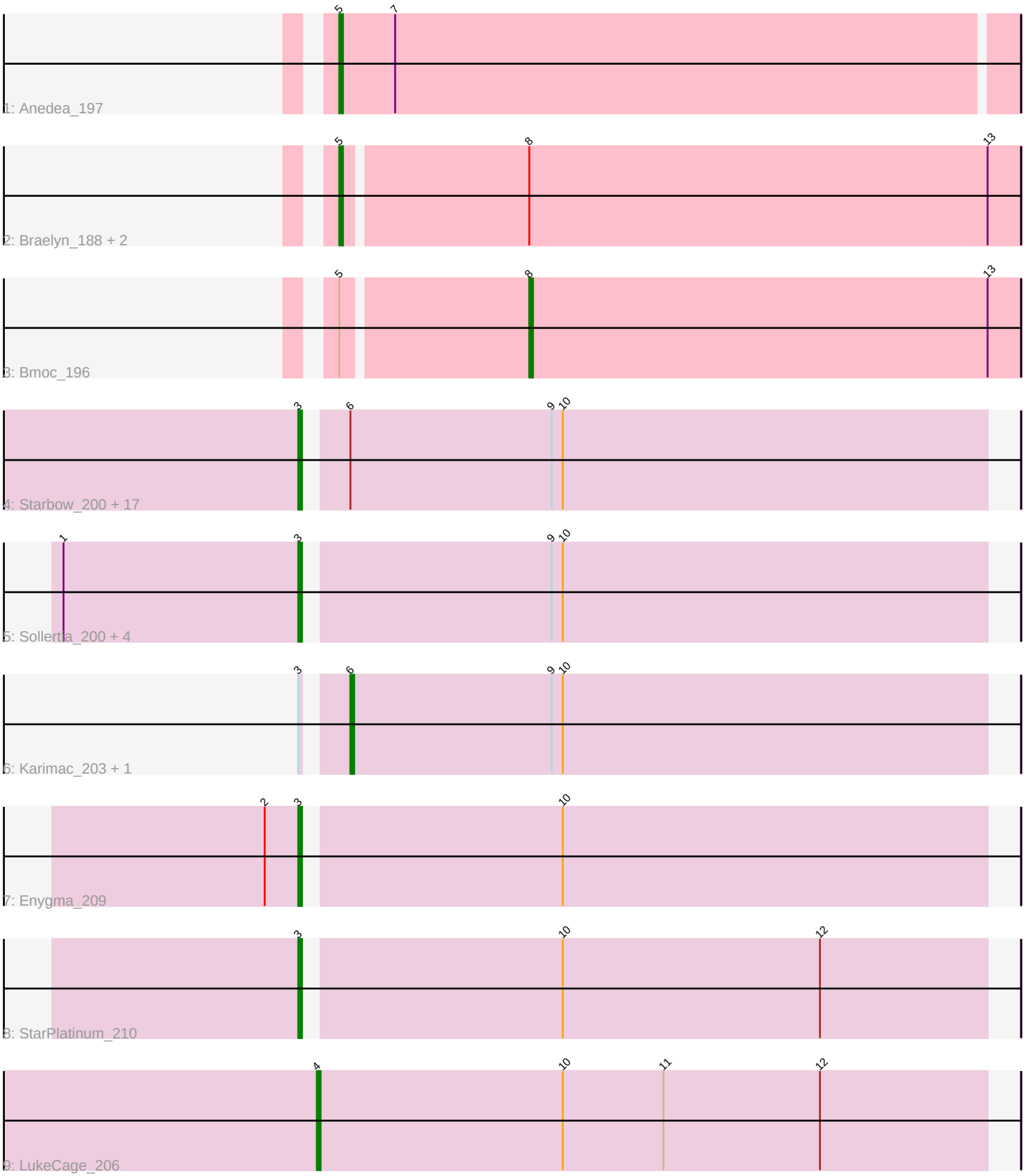
Pham 196703


5
7
1: Anedea_197
5
8
13
2: Braelyn_188 + 2
5
8
13
3: Bmoc_196
3
6
9
10
4: Starbow_200 + 17
1
3
9
10
5: Sollertia_200 + 4
3
6
9
10
6: Karimac_203 + 1
2
3
10
7: Enygma_209
3
10
12
8: StarPlatinum_210
4
10
11
12
9: LukeCage_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 196703 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196703 has 33 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Anedea_197
• Track 2 : Braelyn_188, WhereRU_191, Persimmon_192
• Track 3 : Bmoc_196
• Track 4 : Starbow_200, TomSawyer_207, Birchlyn_201, KentuckyRacer_209, IchabodCrane_198, PumpkinSpice_205, CeilingFan_214, Battuta_200, Gibbi_210, Quaran19_203, Spelly_206, JimJam_210, Jollison_200, Spilled_209, MindFlayer_196, Wipeout_194, Bordeaux_201, SaltySpitoon_202
• Track 5 : Sollertia_200, BoomerJR_199, Stanimal_199, Yaboi_204, Genie2_199
• Track 6 : Karimac_203, Amabiko_207
• Track 7 : Enygma_209
• Track 8 : StarPlatinum_210
• Track 9 : LukeCage_206

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

The start number called the most often in the published annotations is 3, it was called in 23 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Battuta_200, Birchlyn_201, BoomerJR_199, Bordeaux_201, CeilingFan_214, Enygma_209, Genie2_199, Gibbi_210, IchabodCrane_198, JimJam_210, Jollison_200, KentuckyRacer_209, MindFlayer_196, PumpkinSpice_205, Quaran19_203, SaltySpitoon_202, Sollertia_200, Spelly_206, Spilled_209, Stanimal_199, StarPlatinum_210, Starbow_200, TomSawyer_207, Wipeout_194, Yaboi_204,

Genes that have the "Most Annotated" start but do not call it:
• Amabiko_207, Karimac_203,

Genes that do not have the "Most Annotated" start:
• Anedea_197, Bmoc_196, Braelyn_188, LukeCage_206, Persimmon_192, WhereRU_191,

Summary by start number:

Start 3:
• Found in 27 of 33 (81.8%) of genes in pham
• Manual Annotations of this start: 23 of 31
• Called 92.6% of time when present
• Phage (with cluster) where this start called: Battuta_200 (BE2), Birchlyn_201 (BE2), BoomerJR_199 (BE2), Bordeaux_201 (BE2), CeilingFan_214 (BE2), Enygma_209 (BE2), Genie2_199 (BE2), Gibbi_210 (BE2), IchabodCrane_198 (BE2), JimJam_210 (BE2), Jollison_200 (BE2), KentuckyRacer_209 (BE2), MindFlayer_196 (BE2), PumpkinSpice_205 (BE2), Quaran19_203 (BE2), SaltySpitoon_202 (BE2), Sollertia_200 (BE2), Spelly_206 (BE2), Spilled_209 (BE2), Stanimal_199 (BE2), StarPlatinum_210 (BE2), Starbow_200 (BE2), TomSawyer_207 (BE2), Wipeout_194 (BE2), Yaboi_204 (BE2),

Start 4:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 31
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LukeCage_206 (BE2),

Start 5:
• Found in 5 of 33 (15.2%) of genes in pham
• Manual Annotations of this start: 4 of 31
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Anedea_197 (BE1), Braelyn_188 (BE1), Persimmon_192 (BE1), WhereRU_191 (BE1),

Start 6:
• Found in 20 of 33 (60.6%) of genes in pham
• Manual Annotations of this start: 2 of 31
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Amabiko_207 (BE2), Karimac_203 (BE2),

Start 8:
• Found in 4 of 33 (12.1%) of genes in pham
• Manual Annotations of this start: 1 of 31
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Bmoc_196 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 4 times for cluster BE1.
•Start number 8 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 3 was manually annotated 23 times for cluster BE2.
•Start number 4 was manually annotated 1 time for cluster BE2.
•Start number 6 was manually annotated 2 times for cluster BE2.

Gene Information:

Gene: Amabiko_207 Start: 101100, Stop: 101270, Start Num: 6
Candidate Starts for Amabiko_207:
(Start: 3 @101091 has 23 MA's), (Start: 6 @101100 has 2 MA's), (9, 101154), (10, 101157),

Gene: Anedea_197 Start: 100479, Stop: 100658, Start Num: 5
Candidate Starts for Anedea_197:
(Start: 5 @100479 has 4 MA's), (7, 100494),

Gene: Battuta_200 Start: 100407, Stop: 100586, Start Num: 3
Candidate Starts for Battuta_200:
(Start: 3 @100407 has 23 MA's), (Start: 6 @100416 has 2 MA's), (9, 100470), (10, 100473),

Gene: Birchlyn_201 Start: 98339, Stop: 98518, Start Num: 3
Candidate Starts for Birchlyn_201:
(Start: 3 @98339 has 23 MA's), (Start: 6 @98348 has 2 MA's), (9, 98402), (10, 98405),

Gene: Bmoc_196 Start: 100674, Stop: 100805, Start Num: 8
Candidate Starts for Bmoc_196:
(Start: 5 @100626 has 4 MA's), (Start: 8 @100674 has 1 MA's), (13, 100797),

Gene: BoomerJR_199 Start: 100817, Stop: 100996, Start Num: 3
Candidate Starts for BoomerJR_199:
(1, 100754), (Start: 3 @100817 has 23 MA's), (9, 100880), (10, 100883),

Gene: Bordeaux_201 Start: 100990, Stop: 101169, Start Num: 3
Candidate Starts for Bordeaux_201:
(Start: 3 @100990 has 23 MA's), (Start: 6 @100999 has 2 MA's), (9, 101053), (10, 101056),

Gene: Braelyn_188 Start: 99463, Stop: 99642, Start Num: 5
Candidate Starts for Braelyn_188:
(Start: 5 @99463 has 4 MA's), (Start: 8 @99511 has 1 MA's), (13, 99634),

Gene: CeilingFan_214 Start: 101784, Stop: 101963, Start Num: 3
Candidate Starts for CeilingFan_214:
(Start: 3 @101784 has 23 MA's), (Start: 6 @101793 has 2 MA's), (9, 101847), (10, 101850),

Gene: Enygma_209 Start: 103807, Stop: 103986, Start Num: 3
Candidate Starts for Enygma_209:
(2, 103798), (Start: 3 @103807 has 23 MA's), (10, 103873),

Gene: Genie2_199 Start: 100931, Stop: 101110, Start Num: 3
Candidate Starts for Genie2_199:
(1, 100868), (Start: 3 @100931 has 23 MA's), (9, 100994), (10, 100997),

Gene: Gibbi_210 Start: 101277, Stop: 101456, Start Num: 3
Candidate Starts for Gibbi_210:
(Start: 3 @101277 has 23 MA's), (Start: 6 @101286 has 2 MA's), (9, 101340), (10, 101343),

Gene: IchabodCrane_198 Start: 100792, Stop: 100971, Start Num: 3

Candidate Starts for IchabodCrane_198:
(Start: 3 @100792 has 23 MA's), (Start: 6 @100801 has 2 MA's), (9, 100855), (10, 100858),

Gene: JimJam_210 Start: 102713, Stop: 102892, Start Num: 3
Candidate Starts for JimJam_210:
(Start: 3 @102713 has 23 MA's), (Start: 6 @102722 has 2 MA's), (9, 102776), (10, 102779),

Gene: Jollison_200 Start: 100923, Stop: 101102, Start Num: 3
Candidate Starts for Jollison_200:
(Start: 3 @100923 has 23 MA's), (Start: 6 @100932 has 2 MA's), (9, 100986), (10, 100989),

Gene: Karimac_203 Start: 101126, Stop: 101296, Start Num: 6
Candidate Starts for Karimac_203:
(Start: 3 @101117 has 23 MA's), (Start: 6 @101126 has 2 MA's), (9, 101180), (10, 101183),

Gene: KentuckyRacer_209 Start: 102628, Stop: 102807, Start Num: 3
Candidate Starts for KentuckyRacer_209:
(Start: 3 @102628 has 23 MA's), (Start: 6 @102637 has 2 MA's), (9, 102691), (10, 102694),

Gene: LukeCage_206 Start: 102605, Stop: 102784, Start Num: 4
Candidate Starts for LukeCage_206:
(Start: 4 @102605 has 1 MA's), (10, 102671), (11, 102698), (12, 102740),

Gene: MindFlayer_196 Start: 100308, Stop: 100487, Start Num: 3
Candidate Starts for MindFlayer_196:
(Start: 3 @100308 has 23 MA's), (Start: 6 @100317 has 2 MA's), (9, 100371), (10, 100374),

Gene: Persimmon_192 Start: 99039, Stop: 99218, Start Num: 5
Candidate Starts for Persimmon_192:
(Start: 5 @99039 has 4 MA's), (Start: 8 @99087 has 1 MA's), (13, 99210),

Gene: PumpkinSpice_205 Start: 101529, Stop: 101708, Start Num: 3
Candidate Starts for PumpkinSpice_205:
(Start: 3 @101529 has 23 MA's), (Start: 6 @101538 has 2 MA's), (9, 101592), (10, 101595),

Gene: Quaran19_203 Start: 100970, Stop: 101149, Start Num: 3
Candidate Starts for Quaran19_203:
(Start: 3 @100970 has 23 MA's), (Start: 6 @100979 has 2 MA's), (9, 101033), (10, 101036),

Gene: SaltySpitoon_202 Start: 100512, Stop: 100691, Start Num: 3
Candidate Starts for SaltySpitoon_202:
(Start: 3 @100512 has 23 MA's), (Start: 6 @100521 has 2 MA's), (9, 100575), (10, 100578),

Gene: Sollertia_200 Start: 100931, Stop: 101110, Start Num: 3
Candidate Starts for Sollertia_200:
(1, 100868), (Start: 3 @100931 has 23 MA's), (9, 100994), (10, 100997),

Gene: Spelly_206 Start: 100441, Stop: 100620, Start Num: 3
Candidate Starts for Spelly_206:
(Start: 3 @100441 has 23 MA's), (Start: 6 @100450 has 2 MA's), (9, 100504), (10, 100507),

Gene: Spilled_209 Start: 101645, Stop: 101824, Start Num: 3
Candidate Starts for Spilled_209:

(Start: 3 @101645 has 23 MA's), (Start: 6 @101654 has 2 MA's), (9, 101708), (10, 101711),

Gene: Stanimal_199 Start: 101292, Stop: 101471, Start Num: 3
Candidate Starts for Stanimal_199:
(1, 101229), (Start: 3 @101292 has 23 MA's), (9, 101355), (10, 101358),

Gene: StarPlatinum_210 Start: 103114, Stop: 103293, Start Num: 3
Candidate Starts for StarPlatinum_210:
(Start: 3 @103114 has 23 MA's), (10, 103180), (12, 103249),

Gene: Starbow_200 Start: 100485, Stop: 100664, Start Num: 3
Candidate Starts for Starbow_200:
(Start: 3 @100485 has 23 MA's), (Start: 6 @100494 has 2 MA's), (9, 100548), (10, 100551),

Gene: TomSawyer_207 Start: 102956, Stop: 103117, Start Num: 3
Candidate Starts for TomSawyer_207:
(Start: 3 @102956 has 23 MA's), (Start: 6 @102965 has 2 MA's), (9, 103019), (10, 103022),

Gene: WhereRU_191 Start: 99791, Stop: 99970, Start Num: 5
Candidate Starts for WhereRU_191:
(Start: 5 @99791 has 4 MA's), (Start: 8 @99839 has 1 MA's), (13, 99962),

Gene: Wipeout_194 Start: 101908, Stop: 102069, Start Num: 3
Candidate Starts for Wipeout_194:
(Start: 3 @101908 has 23 MA's), (Start: 6 @101917 has 2 MA's), (9, 101971), (10, 101974),

Gene: Yaboi_204 Start: 100866, Stop: 101045, Start Num: 3
Candidate Starts for Yaboi_204:
(1, 100803), (Start: 3 @100866 has 23 MA's), (9, 100929), (10, 100932),