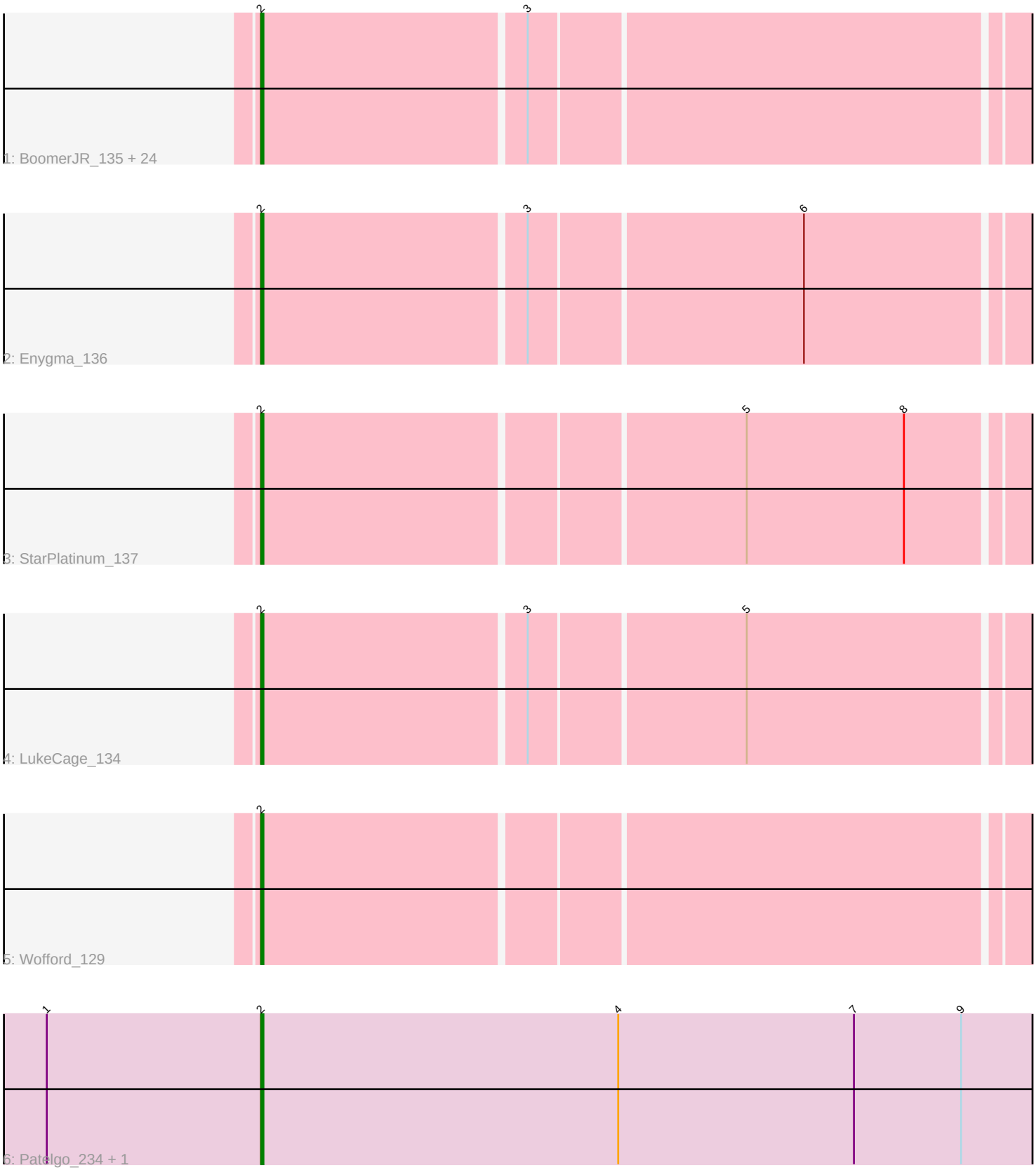
Pham 86295


2
3
1: BoomerJR_135 + 24
2
3
6
2: Enygma_136
2
5
8
3: StarPlatinum_137
2
3
5
4: LukeCage_134
2
5: Wofford_129
1
2
4
7
9
6: Patelgo_234 + 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 86295 Report

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

Pham number 86295 has 31 members, 4 are drafts.

Phages represented in each track:
• Track 1 : BoomerJR_135, IchabodCrane_130, Karimac_134, Genie2_135, Gibbi_141, JimJam_138, SaltySpitoon_135, Wipeout_129, KentuckyRacer_141, Spelly_137, MindFlayer_131, Stanimal_133, TomSawyer_136, Mugiwara_141, Yaboi_134, Amabiko_136, Elmer_139, PumpkinSpice_137, Starbow_133, Bordeaux_134, Quaran19_135, Birchlyn_134, Battuta_134, Sollertia_134, Spilled_138
• Track 2 : Enygma_136
• Track 3 : StarPlatinum_137
• Track 4 : LukeCage_134
• Track 5 : Wofford_129
• Track 6 : Patelgo_234, Moab_233

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 27 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_136, Battuta_134, Birchlyn_134, BoomerJR_135, Bordeaux_134, Elmer_139, Enygma_136, Genie2_135, Gibbi_141, IchabodCrane_130, JimJam_138, Karimac_134, KentuckyRacer_141, LukeCage_134, MindFlayer_131, Moab_233, Mugiwara_141, Patelgo_234, PumpkinSpice_137, Quaran19_135, SaltySpitoon_135, Sollertia_134, Spelly_137, Spilled_138, Stanimal_133, StarPlatinum_137, Starbow_133, TomSawyer_136, Wipeout_129, Wofford_129, Yaboi_134,

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 31 of 31 (100.0%) of genes in pham
• Manual Annotations of this start: 27 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amabiko_136 (BE2), Battuta_134 (BE2), Birchlyn_134 (BE2), BoomerJR_135 (BE2), Bordeaux_134 (BE2), Elmer_139 (BE2), Enygma_136 (BE2), Genie2_135 (BE2), Gibbi_141 (BE2), IchabodCrane_130 (BE2), JimJam_138 (BE2), Karimac_134 (BE2), KentuckyRacer_141 (BE2), LukeCage_134 (BE2), MindFlayer_131 (BE2), Moab_233 (BK1), Mugiwara_141 (BE2), Patelgo_234 (BK1), PumpkinSpice_137 (BE2), Quaran19_135 (BE2), SaltySpitoon_135 (BE2), Sollertia_134 (BE2), Spelly_137 (BE2), Spilled_138 (BE2), Stanimal_133 (BE2), StarPlatinum_137 (BE2), Starbow_133 (BE2), TomSawyer_136 (BE2), Wipeout_129 (BE2), Wofford_129 (BE2), Yaboi_134 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BK1,

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 25 times for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 2 times for cluster BK1.

Gene Information:

Gene: Amabiko_136 Start: 83254, Stop: 83571, Start Num: 2
Candidate Starts for Amabiko_136:
(Start: 2 @83254 has 27 MA's), (3, 83362),

Gene: Battuta_134 Start: 83227, Stop: 83544, Start Num: 2
Candidate Starts for Battuta_134:
(Start: 2 @83227 has 27 MA's), (3, 83335),

Gene: Birchlyn_134 Start: 81114, Stop: 81431, Start Num: 2
Candidate Starts for Birchlyn_134:
(Start: 2 @81114 has 27 MA's), (3, 81222),

Gene: BoomerJR_135 Start: 83557, Stop: 83874, Start Num: 2
Candidate Starts for BoomerJR_135:
(Start: 2 @83557 has 27 MA's), (3, 83665),

Gene: Bordeaux_134 Start: 83382, Stop: 83699, Start Num: 2
Candidate Starts for Bordeaux_134:
(Start: 2 @83382 has 27 MA's), (3, 83490),

Gene: Elmer_139 Start: 84387, Stop: 84704, Start Num: 2
Candidate Starts for Elmer_139:
(Start: 2 @84387 has 27 MA's), (3, 84495),

Gene: Enygma_136 Start: 85066, Stop: 85383, Start Num: 2
Candidate Starts for Enygma_136:

(Start: 2 @85066 has 27 MA's), (3, 85174), (6, 85285),

Gene: Genie2_135 Start: 83671, Stop: 83988, Start Num: 2
Candidate Starts for Genie2_135:
(Start: 2 @83671 has 27 MA's), (3, 83779),

Gene: Gibbi_141 Start: 83366, Stop: 83683, Start Num: 2
Candidate Starts for Gibbi_141:
(Start: 2 @83366 has 27 MA's), (3, 83474),

Gene: IchabodCrane_130 Start: 82955, Stop: 83272, Start Num: 2
Candidate Starts for IchabodCrane_130:
(Start: 2 @82955 has 27 MA's), (3, 83063),

Gene: JimJam_138 Start: 83776, Stop: 84093, Start Num: 2
Candidate Starts for JimJam_138:
(Start: 2 @83776 has 27 MA's), (3, 83884),

Gene: Karimac_134 Start: 83493, Stop: 83810, Start Num: 2
Candidate Starts for Karimac_134:
(Start: 2 @83493 has 27 MA's), (3, 83601),

Gene: KentuckyRacer_141 Start: 83641, Stop: 83958, Start Num: 2
Candidate Starts for KentuckyRacer_141:
(Start: 2 @83641 has 27 MA's), (3, 83749),

Gene: LukeCage_134 Start: 84270, Stop: 84587, Start Num: 2
Candidate Starts for LukeCage_134:
(Start: 2 @84270 has 27 MA's), (3, 84378), (5, 84465),

Gene: MindFlayer_131 Start: 82862, Stop: 83179, Start Num: 2
Candidate Starts for MindFlayer_131:
(Start: 2 @82862 has 27 MA's), (3, 82970),

Gene: Moab_233 Start: 114477, Stop: 114806, Start Num: 2
Candidate Starts for Moab_233:
(1, 114387), (Start: 2 @114477 has 27 MA's), (4, 114627), (7, 114726), (9, 114771),

Gene: Mugiwara_141 Start: 84103, Stop: 84420, Start Num: 2
Candidate Starts for Mugiwara_141:
(Start: 2 @84103 has 27 MA's), (3, 84211),

Gene: Patelgo_234 Start: 114891, Stop: 115220, Start Num: 2
Candidate Starts for Patelgo_234:
(1, 114801), (Start: 2 @114891 has 27 MA's), (4, 115041), (7, 115140), (9, 115185),

Gene: PumpkinSpice_137 Start: 83818, Stop: 84135, Start Num: 2
Candidate Starts for PumpkinSpice_137:
(Start: 2 @83818 has 27 MA's), (3, 83926),

Gene: Quaran19_135 Start: 83244, Stop: 83561, Start Num: 2
Candidate Starts for Quaran19_135:
(Start: 2 @83244 has 27 MA's), (3, 83352),

Gene: SaltySpitoon_135 Start: 83257, Stop: 83574, Start Num: 2
Candidate Starts for SaltySpitoon_135:
(Start: 2 @83257 has 27 MA's), (3, 83365),

Gene: Sollertia_134 Start: 83671, Stop: 83988, Start Num: 2
Candidate Starts for Sollertia_134:
(Start: 2 @83671 has 27 MA's), (3, 83779),

Gene: Spelly_137 Start: 83209, Stop: 83526, Start Num: 2
Candidate Starts for Spelly_137:
(Start: 2 @83209 has 27 MA's), (3, 83317),

Gene: Spilled_138 Start: 83327, Stop: 83644, Start Num: 2
Candidate Starts for Spilled_138:
(Start: 2 @83327 has 27 MA's), (3, 83435),

Gene: Stanimal_133 Start: 83560, Stop: 83877, Start Num: 2
Candidate Starts for Stanimal_133:
(Start: 2 @83560 has 27 MA's), (3, 83668),

Gene: StarPlatinum_137 Start: 84524, Stop: 84841, Start Num: 2
Candidate Starts for StarPlatinum_137:
(Start: 2 @84524 has 27 MA's), (5, 84719), (8, 84785),

Gene: Starbow_133 Start: 83229, Stop: 83546, Start Num: 2
Candidate Starts for Starbow_133:
(Start: 2 @83229 has 27 MA's), (3, 83337),

Gene: TomSawyer_136 Start: 83275, Stop: 83592, Start Num: 2
Candidate Starts for TomSawyer_136:
(Start: 2 @83275 has 27 MA's), (3, 83383),

Gene: Wipeout_129 Start: 83599, Stop: 83916, Start Num: 2
Candidate Starts for Wipeout_129:
(Start: 2 @83599 has 27 MA's), (3, 83707),

Gene: Wofford_129 Start: 84352, Stop: 84669, Start Num: 2
Candidate Starts for Wofford_129:
(Start: 2 @84352 has 27 MA's),

Gene: Yaboi_134 Start: 83133, Stop: 83450, Start Num: 2
Candidate Starts for Yaboi_134:
(Start: 2 @83133 has 27 MA's), (3, 83241),