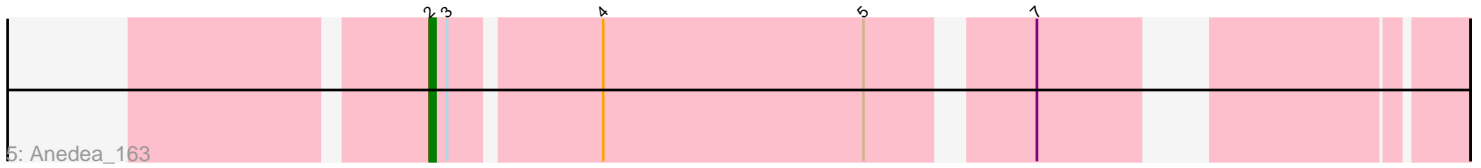
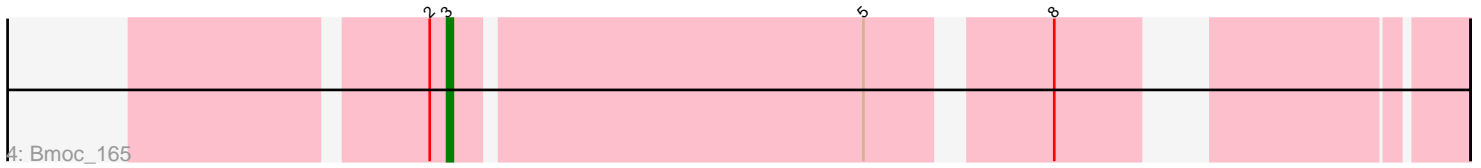
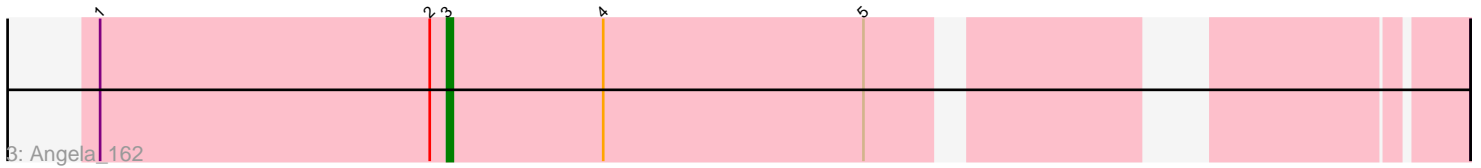
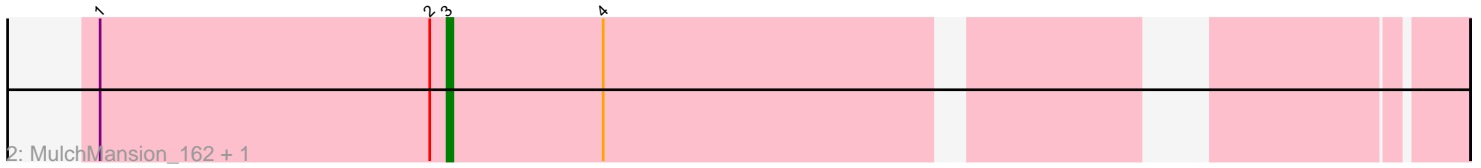
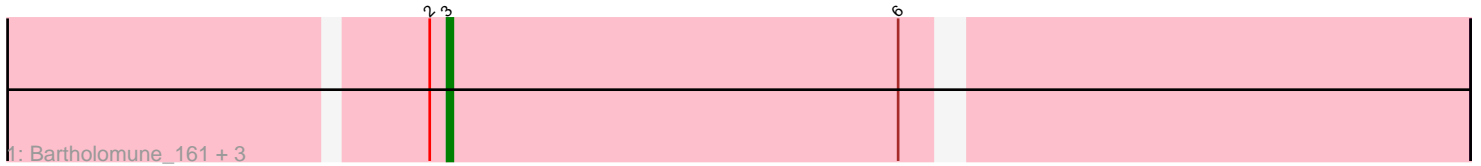


Pham 170147



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 170147 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170147 has 37 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Bartholomune_161, Squillium_161, PinkiePie_158, Liandry_161
- Track 2 : MulchMansion_162, LilMartin_160
- Track 3 : Angela_162
- Track 4 : Bmoc_165
- Track 5 : Anedea_163
- Track 6 : Genie2_169, Karimac_171, Bordeaux_170, BoomerJR_169, KentuckyRacer_181, Stanimal_168, Wipeout_165, Birchlyn_171, TomSawyer_176, IchabodCrane_167, Spelly_175, Yaboi_171, CeilingFan_181, JimJam_178, Battuta_171, Quaran19_172, Gibbi_180, Starbow_169, LukeCage_171, MindFlayer_167, SaltySpitoon_172, Sollertia_169, Amabiko_174, PumpkinSpice_174, Spilled_177
- Track 7 : Mugiwara_179
- Track 8 : StarPlatinum_178
- Track 9 : Enygma_174

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 25 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amabiko_174, Anedea_163, Battuta_171, Birchlyn_171, BoomerJR_169, Bordeaux_170, CeilingFan_181, Enygma_174, Genie2_169, Gibbi_180, IchabodCrane_167, JimJam_178, Karimac_171, KentuckyRacer_181, LukeCage_171, MindFlayer_167, PumpkinSpice_174, Quaran19_172, SaltySpitoon_172, Sollertia_169, Spelly_175, Spilled_177, Stanimal_168, StarPlatinum_178, Starbow_169, TomSawyer_176, Wipeout_165, Yaboi_171,

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

- Angela_162, Bartholomune_161, Bmoc_165, Liandry_161, LilMartin_160, Mugiwara_179, MulchMansion_162, PinkiePie_158, Squillium_161,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 2:

- Found in 37 of 37 (100.0%) of genes in pham
- Manual Annotations of this start: 25 of 33
- Called 75.7% of time when present
- Phage (with cluster) where this start called: Amabiko_174 (BE2), Anedea_163 (BE1), Battuta_171 (BE2), Birchlyn_171 (BE2), BoomerJR_169 (BE2), Bordeaux_170 (BE2), CeilingFan_181 (BE2), Enygma_174 (BE2), Genie2_169 (BE2), Gibbi_180 (BE2), IchabodCrane_167 (BE2), JimJam_178 (BE2), Karimac_171 (BE2), KentuckyRacer_181 (BE2), LukeCage_171 (BE2), MindFlayer_167 (BE2), PumpkinSpice_174 (BE2), Quaran19_172 (BE2), SaltySpittoon_172 (BE2), Sollertia_169 (BE2), Spelly_175 (BE2), Spilled_177 (BE2), Stanimal_168 (BE2), StarPlatinum_178 (BE2), Starbow_169 (BE2), TomSawyer_176 (BE2), Wipeout_165 (BE2), Yaboi_171 (BE2),

Start 3:

- Found in 9 of 37 (24.3%) of genes in pham
- Manual Annotations of this start: 8 of 33
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Angela_162 (BE1), Bartholomune_161 (BE1), Bmoc_165 (BE1), Liandry_161 (BE1), LilMartin_160 (BE1), MulchMansion_162 (BE1), PinkiePie_158 (BE1), Squillium_161 (BE1),

Start 4:

- Found in 7 of 37 (18.9%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Mugiwara_179 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:

- Start number 2 was manually annotated 1 time for cluster BE1.
- Start number 3 was manually annotated 8 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 2 was manually annotated 24 times for cluster BE2.

Gene Information:

Gene: Amabiko_174 Start: 92371, Stop: 92517, Start Num: 2

Candidate Starts for Amabiko_174:

(Start: 2 @92371 has 25 MA's),

Gene: Anedea_163 Start: 90802, Stop: 90957, Start Num: 2

Candidate Starts for Anedea_163:

(Start: 2 @90802 has 25 MA's), (Start: 3 @90805 has 8 MA's), (4, 90829), (5, 90874), (7, 90898),

Gene: Angela_162 Start: 91184, Stop: 91339, Start Num: 3
Candidate Starts for Angela_162:
(1, 91124), (Start: 2 @91181 has 25 MA's), (Start: 3 @91184 has 8 MA's), (4, 91211), (5, 91256),

Gene: Bartholomune_161 Start: 90983, Stop: 91153, Start Num: 3
Candidate Starts for Bartholomune_161:
(Start: 2 @90980 has 25 MA's), (Start: 3 @90983 has 8 MA's), (6, 91061),

Gene: Battuta_171 Start: 92153, Stop: 92299, Start Num: 2
Candidate Starts for Battuta_171:
(Start: 2 @92153 has 25 MA's),

Gene: Birchlyn_171 Start: 90010, Stop: 90156, Start Num: 2
Candidate Starts for Birchlyn_171:
(Start: 2 @90010 has 25 MA's),

Gene: Bmoc_165 Start: 91374, Stop: 91526, Start Num: 3
Candidate Starts for Bmoc_165:
(Start: 2 @91371 has 25 MA's), (Start: 3 @91374 has 8 MA's), (5, 91443), (8, 91470),

Gene: BoomerJR_169 Start: 92442, Stop: 92588, Start Num: 2
Candidate Starts for BoomerJR_169:
(Start: 2 @92442 has 25 MA's),

Gene: Bordeaux_170 Start: 92660, Stop: 92806, Start Num: 2
Candidate Starts for Bordeaux_170:
(Start: 2 @92660 has 25 MA's),

Gene: CeilingFan_181 Start: 92894, Stop: 93040, Start Num: 2
Candidate Starts for CeilingFan_181:
(Start: 2 @92894 has 25 MA's),

Gene: Enygma_174 Start: 95024, Stop: 95182, Start Num: 2
Candidate Starts for Enygma_174:
(Start: 2 @95024 has 25 MA's), (4, 95048), (10, 95168),

Gene: Genie2_169 Start: 92556, Stop: 92702, Start Num: 2
Candidate Starts for Genie2_169:
(Start: 2 @92556 has 25 MA's),

Gene: Gibbi_180 Start: 92948, Stop: 93094, Start Num: 2
Candidate Starts for Gibbi_180:
(Start: 2 @92948 has 25 MA's),

Gene: IchabodCrane_167 Start: 92072, Stop: 92218, Start Num: 2
Candidate Starts for IchabodCrane_167:
(Start: 2 @92072 has 25 MA's),

Gene: JimJam_178 Start: 93993, Stop: 94139, Start Num: 2
Candidate Starts for JimJam_178:
(Start: 2 @93993 has 25 MA's),

Gene: Karimac_171 Start: 92617, Stop: 92763, Start Num: 2
Candidate Starts for Karimac_171:
(Start: 2 @92617 has 25 MA's),

Gene: KentuckyRacer_181 Start: 93739, Stop: 93885, Start Num: 2
Candidate Starts for KentuckyRacer_181:
(Start: 2 @93739 has 25 MA's),

Gene: Liandry_161 Start: 91726, Stop: 91896, Start Num: 3
Candidate Starts for Liandry_161:
(Start: 2 @91723 has 25 MA's), (Start: 3 @91726 has 8 MA's), (6, 91804),

Gene: LilMartin_160 Start: 90830, Stop: 90985, Start Num: 3
Candidate Starts for LilMartin_160:
(1, 90770), (Start: 2 @90827 has 25 MA's), (Start: 3 @90830 has 8 MA's), (4, 90857),

Gene: LukeCage_171 Start: 93627, Stop: 93773, Start Num: 2
Candidate Starts for LukeCage_171:
(Start: 2 @93627 has 25 MA's),

Gene: MindFlayer_167 Start: 91979, Stop: 92125, Start Num: 2
Candidate Starts for MindFlayer_167:
(Start: 2 @91979 has 25 MA's),

Gene: Mugiwara_179 Start: 93609, Stop: 93743, Start Num: 4
Candidate Starts for Mugiwara_179:
(Start: 2 @93585 has 25 MA's), (4, 93609), (10, 93729),

Gene: MulchMansion_162 Start: 91446, Stop: 91601, Start Num: 3
Candidate Starts for MulchMansion_162:
(1, 91386), (Start: 2 @91443 has 25 MA's), (Start: 3 @91446 has 8 MA's), (4, 91473),

Gene: PinkiePie_158 Start: 91726, Stop: 91896, Start Num: 3
Candidate Starts for PinkiePie_158:
(Start: 2 @91723 has 25 MA's), (Start: 3 @91726 has 8 MA's), (6, 91804),

Gene: PumpkinSpice_174 Start: 93200, Stop: 93346, Start Num: 2
Candidate Starts for PumpkinSpice_174:
(Start: 2 @93200 has 25 MA's),

Gene: Quaran19_172 Start: 92639, Stop: 92785, Start Num: 2
Candidate Starts for Quaran19_172:
(Start: 2 @92639 has 25 MA's),

Gene: SaltySpittoon_172 Start: 92183, Stop: 92329, Start Num: 2
Candidate Starts for SaltySpittoon_172:
(Start: 2 @92183 has 25 MA's),

Gene: Sollertia_169 Start: 92556, Stop: 92702, Start Num: 2
Candidate Starts for Sollertia_169:
(Start: 2 @92556 has 25 MA's),

Gene: Spelly_175 Start: 92112, Stop: 92258, Start Num: 2

Candidate Starts for Spelly_175:
(Start: 2 @92112 has 25 MA's),

Gene: Spilled_177 Start: 92925, Stop: 93071, Start Num: 2
Candidate Starts for Spilled_177:
(Start: 2 @92925 has 25 MA's),

Gene: Squillium_161 Start: 91728, Stop: 91898, Start Num: 3
Candidate Starts for Squillium_161:
(Start: 2 @91725 has 25 MA's), (Start: 3 @91728 has 8 MA's), (6, 91806),

Gene: Stanimal_168 Start: 92917, Stop: 93063, Start Num: 2
Candidate Starts for Stanimal_168:
(Start: 2 @92917 has 25 MA's),

Gene: StarPlatinum_178 Start: 94656, Stop: 94808, Start Num: 2
Candidate Starts for StarPlatinum_178:
(Start: 2 @94656 has 25 MA's), (4, 94680), (8, 94752), (9, 94779), (10, 94794),

Gene: Starbow_169 Start: 92156, Stop: 92302, Start Num: 2
Candidate Starts for Starbow_169:
(Start: 2 @92156 has 25 MA's),

Gene: TomSawyer_176 Start: 93844, Stop: 93990, Start Num: 2
Candidate Starts for TomSawyer_176:
(Start: 2 @93844 has 25 MA's),

Gene: Wipeout_165 Start: 93188, Stop: 93334, Start Num: 2
Candidate Starts for Wipeout_165:
(Start: 2 @93188 has 25 MA's),

Gene: Yaboi_171 Start: 92491, Stop: 92637, Start Num: 2
Candidate Starts for Yaboi_171:
(Start: 2 @92491 has 25 MA's),