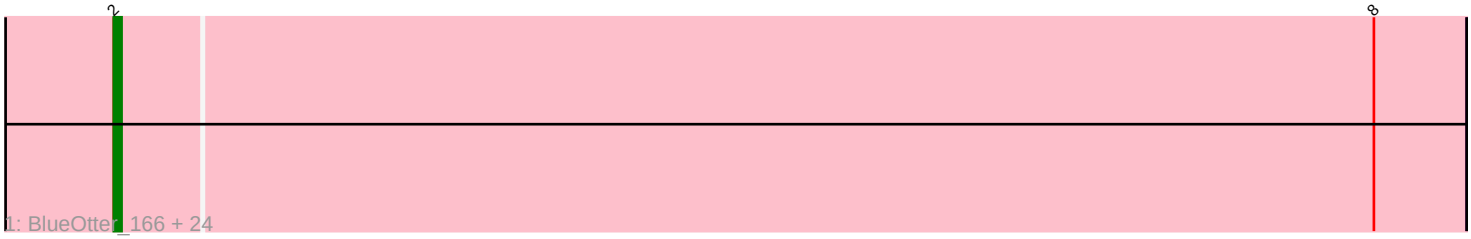
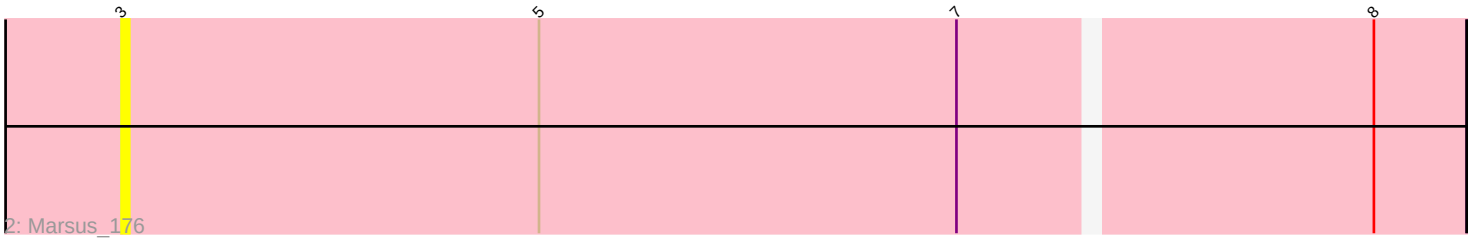
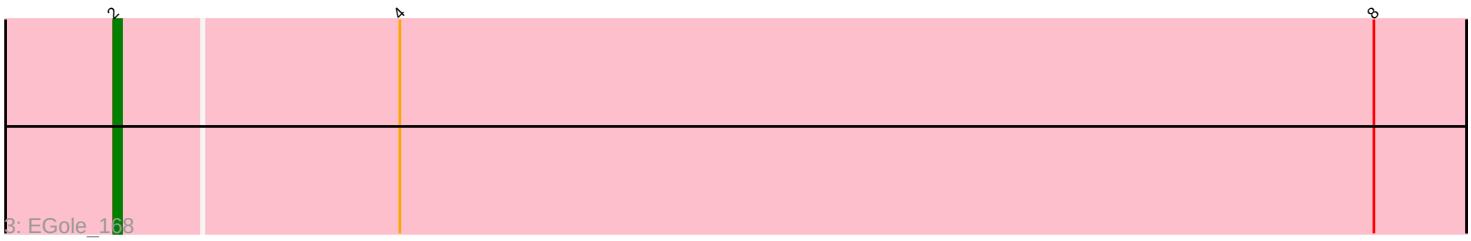
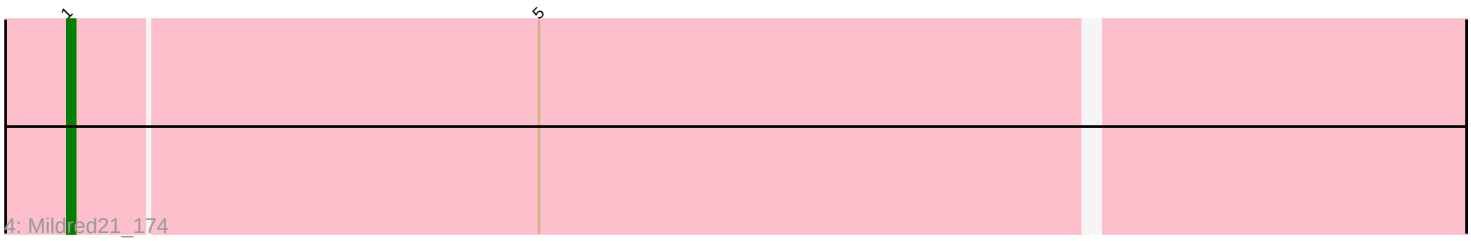
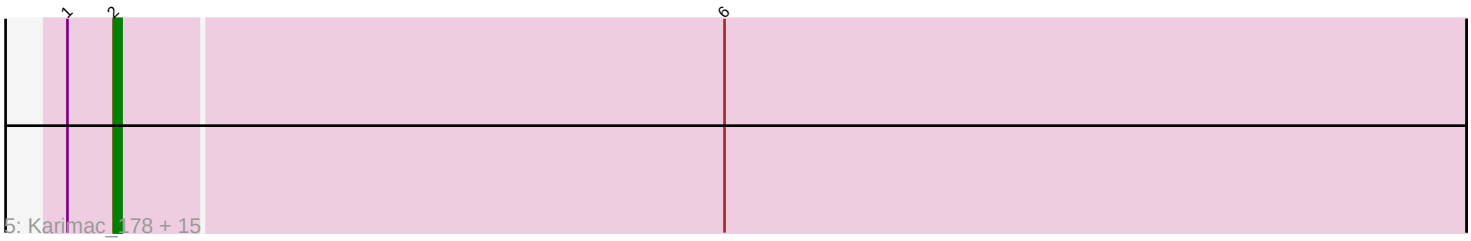
Pham 203025

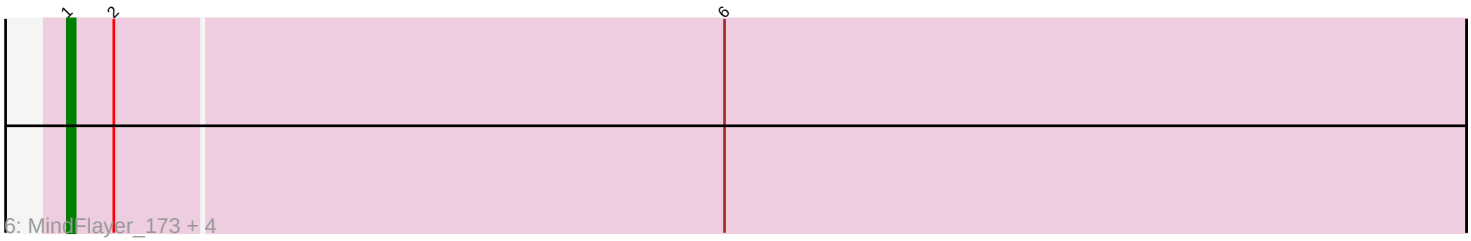

2
8
1: BlueOtter_166 + 24


3
5
7
8
2: Marsus_176


2
4
8
3: EGole_168


1
5
4: Mildred21_174


1
2
6
5: Karimac_178 + 15


1
2
6
6: MindFlayer_173 + 4

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 203025 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203025 has 49 members, 5 are drafts.

Phages represented in each track:
• Track 1 : BlueOtter_166, NootNoot_162, Bartholomune_167, PacManQ_166, Persimmon_168, Navo_165, Scheme_171, Braelyn_168, HangryHippo_166, Peebs_164, Lululemon_166, Cross_167, Sushi23_166, Squillium_168, Samisti12_168, Watermoore_166, Teutsch_165, Leo04_168, PinkiePie_165, Cursive_166, Tribute_165, Larnav_167, Pepperwood_166, WhereRU_167, Liandry_167
• Track 2 : Marsus_176
• Track 3 : EGole_168
• Track 4 : Mildred21_174
• Track 5 : Karimac_178, Battuta_177, KentuckyRacer_182, Jollison_176, Wipeout_171, Birchlyn_177, Amabiko_180, Spilled_183, Rikishi_185, Starbow_175, Gibbi_186, JimJam_184, Quaran19_178, PumpkinSpice_180, TomSawyer_182, Bordeaux_176
• Track 6 : MindFlayer_173, IchabodCrane_173, CeilingFan_187, Spelly_181, SaltySpitoon_178

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 39 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_180, Bartholomune_167, Battuta_177, Birchlyn_177, BlueOtter_166, Bordeaux_176, Braelyn_168, Cross_167, Cursive_166, EGole_168, Gibbi_186, HangryHippo_166, JimJam_184, Jollison_176, Karimac_178, KentuckyRacer_182, Larnav_167, Leo04_168, Liandry_167, Lululemon_166, Navo_165, NootNoot_162, PacManQ_166, Peebs_164, Pepperwood_166, Persimmon_168, PinkiePie_165, PumpkinSpice_180, Quaran19_178, Rikishi_185, Samisti12_168, Scheme_171, Spilled_183, Squillium_168, Starbow_175, Sushi23_166, Teutsch_165, TomSawyer_182, Tribute_165, Watermoore_166, WhereRU_167, Wipeout_171,

Genes that have the "Most Annotated" start but do not call it:
• CeilingFan_187, IchabodCrane_173, MindFlayer_173, SaltySpitoon_178, Spelly_181,

Genes that do not have the "Most Annotated" start:
• Marsus_176, Mildred21_174,

Summary by start number:

Start 1:
• Found in 22 of 49 (44.9%) of genes in pham
• Manual Annotations of this start: 5 of 44
• Called 27.3% of time when present
• Phage (with cluster) where this start called: CeilingFan_187 (BE2), IchabodCrane_173 (BE2), Mildred21_174 (BE1), MindFlayer_173 (BE2), SaltySpitoon_178 (BE2), Spelly_181 (BE2),

Start 2:
• Found in 47 of 49 (95.9%) of genes in pham
• Manual Annotations of this start: 39 of 44
• Called 89.4% of time when present
• Phage (with cluster) where this start called: Amabiko_180 (BE2), Bartholomune_167 (BE1), Battuta_177 (BE2), Birchlyn_177 (BE2), BlueOtter_166 (BE1), Bordeaux_176 (BE2), Braelyn_168 (BE1), Cross_167 (BE1), Cursive_166 (BE1), EGole_168 (BE1), Gibbi_186 (BE2), HangryHippo_166 (BE1), JimJam_184 (BE2), Jollison_176 (BE2), Karimac_178 (BE2), KentuckyRacer_182 (BE2), Larnav_167 (BE1), Leo04_168 (BE1), Liandry_167 (BE1), Lululemon_166 (BE1), Navo_165 (BE1), NootNoot_162 (BE1), PacManQ_166 (BE1), Peebs_164 (BE1), Pepperwood_166 (BE1), Persimmon_168 (BE1), PinkiePie_165 (BE1), PumpkinSpice_180 (BE2), Quaran19_178 (BE2), Rikishi_185 (BE2), Samisti12_168 (BE1), Scheme_171 (BE1), Spilled_183 (BE2), Squillium_168 (BE1), Starbow_175 (BE2), Sushi23_166 (BE1), Teutsch_165 (BE1), TomSawyer_182 (BE2), Tribute_165 (BE1), Watermoore_166 (BE1), WhereRU_167 (BE1), Wipeout_171 (BE2),

Start 3:
• Found in 1 of 49 (2.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marsus_176 (BE1),

Summary by clusters:

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

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 1 time for cluster BE1.
•Start number 2 was manually annotated 25 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 4 times for cluster BE2.
•Start number 2 was manually annotated 14 times for cluster BE2.

Gene Information:

Gene: Amabiko_180 Start: 94031, Stop: 94204, Start Num: 2
Candidate Starts for Amabiko_180:
(Start: 1 @94025 has 5 MA's), (Start: 2 @94031 has 39 MA's), (6, 94109),

Gene: Bartholomune_167 Start: 92676, Stop: 92849, Start Num: 2
Candidate Starts for Bartholomune_167:
(Start: 2 @92676 has 39 MA's), (8, 92838),

Gene: Battuta_177 Start: 93813, Stop: 93986, Start Num: 2
Candidate Starts for Battuta_177:
(Start: 1 @93807 has 5 MA's), (Start: 2 @93813 has 39 MA's), (6, 93891),

Gene: Birchlyn_177 Start: 91670, Stop: 91843, Start Num: 2
Candidate Starts for Birchlyn_177:
(Start: 1 @91664 has 5 MA's), (Start: 2 @91670 has 39 MA's), (6, 91748),

Gene: BlueOtter_166 Start: 94039, Stop: 94212, Start Num: 2
Candidate Starts for BlueOtter_166:
(Start: 2 @94039 has 39 MA's), (8, 94201),

Gene: Bordeaux_176 Start: 94320, Stop: 94493, Start Num: 2
Candidate Starts for Bordeaux_176:
(Start: 1 @94314 has 5 MA's), (Start: 2 @94320 has 39 MA's), (6, 94398),

Gene: Braelyn_168 Start: 93625, Stop: 93798, Start Num: 2
Candidate Starts for Braelyn_168:
(Start: 2 @93625 has 39 MA's), (8, 93787),

Gene: CeilingFan_187 Start: 94548, Stop: 94727, Start Num: 1
Candidate Starts for CeilingFan_187:
(Start: 1 @94548 has 5 MA's), (Start: 2 @94554 has 39 MA's), (6, 94632),

Gene: Cross_167 Start: 94684, Stop: 94857, Start Num: 2
Candidate Starts for Cross_167:
(Start: 2 @94684 has 39 MA's), (8, 94846),

Gene: Cursive_166 Start: 92893, Stop: 93066, Start Num: 2
Candidate Starts for Cursive_166:
(Start: 2 @92893 has 39 MA's), (8, 93055),

Gene: EGole_168 Start: 95701, Stop: 95874, Start Num: 2
Candidate Starts for EGole_168:
(Start: 2 @95701 has 39 MA's), (4, 95737), (8, 95863),

Gene: Gibbi_186 Start: 94608, Stop: 94781, Start Num: 2
Candidate Starts for Gibbi_186:
(Start: 1 @94602 has 5 MA's), (Start: 2 @94608 has 39 MA's), (6, 94686),

Gene: HangryHippo_166 Start: 94039, Stop: 94212, Start Num: 2
Candidate Starts for HangryHippo_166:
(Start: 2 @94039 has 39 MA's), (8, 94201),

Gene: IchabodCrane_173 Start: 93726, Stop: 93905, Start Num: 1

Candidate Starts for IchabodCrane_173:
(Start: 1 @93726 has 5 MA's), (Start: 2 @93732 has 39 MA's), (6, 93810),

Gene: JimJam_184 Start: 95653, Stop: 95826, Start Num: 2
Candidate Starts for JimJam_184:
(Start: 1 @95647 has 5 MA's), (Start: 2 @95653 has 39 MA's), (6, 95731),

Gene: Jollison_176 Start: 94254, Stop: 94427, Start Num: 2
Candidate Starts for Jollison_176:
(Start: 1 @94248 has 5 MA's), (Start: 2 @94254 has 39 MA's), (6, 94332),

Gene: Karimac_178 Start: 94449, Stop: 94622, Start Num: 2
Candidate Starts for Karimac_178:
(Start: 1 @94443 has 5 MA's), (Start: 2 @94449 has 39 MA's), (6, 94527),

Gene: KentuckyRacer_182 Start: 95399, Stop: 95572, Start Num: 2
Candidate Starts for KentuckyRacer_182:
(Start: 1 @95393 has 5 MA's), (Start: 2 @95399 has 39 MA's), (6, 95477),

Gene: Larnav_167 Start: 94658, Stop: 94831, Start Num: 2
Candidate Starts for Larnav_167:
(Start: 2 @94658 has 39 MA's), (8, 94820),

Gene: Leo04_168 Start: 94539, Stop: 94712, Start Num: 2
Candidate Starts for Leo04_168:
(Start: 2 @94539 has 39 MA's), (8, 94701),

Gene: Liandry_167 Start: 93419, Stop: 93592, Start Num: 2
Candidate Starts for Liandry_167:
(Start: 2 @93419 has 39 MA's), (8, 93581),

Gene: Lululemon_166 Start: 93420, Stop: 93593, Start Num: 2
Candidate Starts for Lululemon_166:
(Start: 2 @93420 has 39 MA's), (8, 93582),

Gene: Marsus_176 Start: 93289, Stop: 93459, Start Num: 3
Candidate Starts for Marsus_176:
(3, 93289), (5, 93343), (7, 93397), (8, 93448),

Gene: Mildred21_174 Start: 92881, Stop: 93057, Start Num: 1
Candidate Starts for Mildred21_174:
(Start: 1 @92881 has 5 MA's), (5, 92941),

Gene: MindFlayer_173 Start: 93633, Stop: 93812, Start Num: 1
Candidate Starts for MindFlayer_173:
(Start: 1 @93633 has 5 MA's), (Start: 2 @93639 has 39 MA's), (6, 93717),

Gene: Navo_165 Start: 93006, Stop: 93179, Start Num: 2
Candidate Starts for Navo_165:
(Start: 2 @93006 has 39 MA's), (8, 93168),

Gene: NootNoot_162 Start: 92322, Stop: 92495, Start Num: 2
Candidate Starts for NootNoot_162:

(Start: 2 @92322 has 39 MA's), (8, 92484),

Gene: PacManQ_166 Start: 93420, Stop: 93593, Start Num: 2
Candidate Starts for PacManQ_166:
(Start: 2 @93420 has 39 MA's), (8, 93582),

Gene: Peebs_164 Start: 94361, Stop: 94534, Start Num: 2
Candidate Starts for Peebs_164:
(Start: 2 @94361 has 39 MA's), (8, 94523),

Gene: Pepperwood_166 Start: 94305, Stop: 94478, Start Num: 2
Candidate Starts for Pepperwood_166:
(Start: 2 @94305 has 39 MA's), (8, 94467),

Gene: Persimmon_168 Start: 92779, Stop: 92952, Start Num: 2
Candidate Starts for Persimmon_168:
(Start: 2 @92779 has 39 MA's), (8, 92941),

Gene: PinkiePie_165 Start: 93419, Stop: 93592, Start Num: 2
Candidate Starts for PinkiePie_165:
(Start: 2 @93419 has 39 MA's), (8, 93581),

Gene: PumpkinSpice_180 Start: 94860, Stop: 95033, Start Num: 2
Candidate Starts for PumpkinSpice_180:
(Start: 1 @94854 has 5 MA's), (Start: 2 @94860 has 39 MA's), (6, 94938),

Gene: Quaran19_178 Start: 94299, Stop: 94472, Start Num: 2
Candidate Starts for Quaran19_178:
(Start: 1 @94293 has 5 MA's), (Start: 2 @94299 has 39 MA's), (6, 94377),

Gene: Rikishi_185 Start: 94412, Stop: 94585, Start Num: 2
Candidate Starts for Rikishi_185:
(Start: 1 @94406 has 5 MA's), (Start: 2 @94412 has 39 MA's), (6, 94490),

Gene: SaltySpitoon_178 Start: 93837, Stop: 94016, Start Num: 1
Candidate Starts for SaltySpitoon_178:
(Start: 1 @93837 has 5 MA's), (Start: 2 @93843 has 39 MA's), (6, 93921),

Gene: Samisti12_168 Start: 95745, Stop: 95918, Start Num: 2
Candidate Starts for Samisti12_168:
(Start: 2 @95745 has 39 MA's), (8, 95907),

Gene: Scheme_171 Start: 95926, Stop: 96099, Start Num: 2
Candidate Starts for Scheme_171:
(Start: 2 @95926 has 39 MA's), (8, 96088),

Gene: Spelly_181 Start: 93766, Stop: 93945, Start Num: 1
Candidate Starts for Spelly_181:
(Start: 1 @93766 has 5 MA's), (Start: 2 @93772 has 39 MA's), (6, 93850),

Gene: Spilled_183 Start: 94585, Stop: 94758, Start Num: 2
Candidate Starts for Spilled_183:
(Start: 1 @94579 has 5 MA's), (Start: 2 @94585 has 39 MA's), (6, 94663),

Gene: Squillium_168 Start: 93421, Stop: 93594, Start Num: 2
Candidate Starts for Squillium_168:
(Start: 2 @93421 has 39 MA's), (8, 93583),

Gene: Starbow_175 Start: 93816, Stop: 93989, Start Num: 2
Candidate Starts for Starbow_175:
(Start: 1 @93810 has 5 MA's), (Start: 2 @93816 has 39 MA's), (6, 93894),

Gene: Sushi23_166 Start: 94719, Stop: 94892, Start Num: 2
Candidate Starts for Sushi23_166:
(Start: 2 @94719 has 39 MA's), (8, 94881),

Gene: Teutsch_165 Start: 94843, Stop: 95016, Start Num: 2
Candidate Starts for Teutsch_165:
(Start: 2 @94843 has 39 MA's), (8, 95005),

Gene: TomSawyer_182 Start: 95504, Stop: 95677, Start Num: 2
Candidate Starts for TomSawyer_182:
(Start: 1 @95498 has 5 MA's), (Start: 2 @95504 has 39 MA's), (6, 95582),

Gene: Tribute_165 Start: 94860, Stop: 95033, Start Num: 2
Candidate Starts for Tribute_165:
(Start: 2 @94860 has 39 MA's), (8, 95022),

Gene: Watermoore_166 Start: 95255, Stop: 95428, Start Num: 2
Candidate Starts for Watermoore_166:
(Start: 2 @95255 has 39 MA's), (8, 95417),

Gene: WhereRU_167 Start: 93531, Stop: 93704, Start Num: 2
Candidate Starts for WhereRU_167:
(Start: 2 @93531 has 39 MA's), (8, 93693),

Gene: Wipeout_171 Start: 94848, Stop: 95021, Start Num: 2
Candidate Starts for Wipeout_171:
(Start: 1 @94842 has 5 MA's), (Start: 2 @94848 has 39 MA's), (6, 94926),