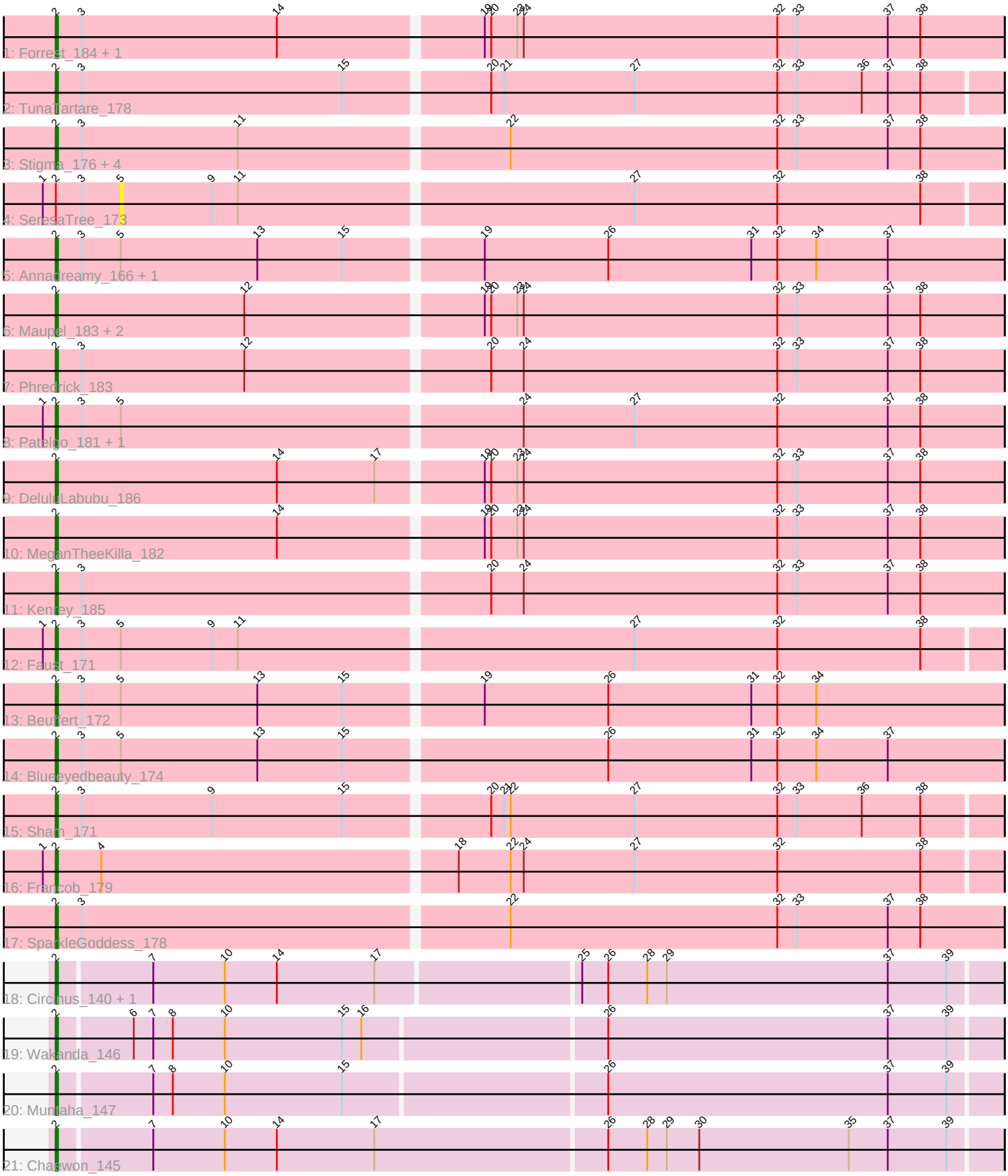
Pham 337007


1: Forrest_184 + 1
2: TunaTartare_178
3: Stigma_176 + 4
4: SeresaTree_173
5: Annadreamy_166 + 1
6: Maupel_183 + 2
7: Phredrick_183
8: Patelgo_181 + 1
9: DeluluLabubu_186
10: MeganTheeKilla_182
11: Kenney_185
12: Faust_171
13: Beuffert_172
14: Blueeyedbeauty_174
15: Sham_171
16: Francob_179
17: SparkleGoddess_178
18: Circinus_140 + 1
19: Wakanda_146
20: Muntaha_147
21: Chaewon_145

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 337007 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337007 has 31 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Forrest_184, Jada_181
• Track 2 : TunaTartare_178
• Track 3 : Stigma_176, Westy_180, Karp_172, Belfort_178, Comrade_175
• Track 4 : SeresaTree_173
• Track 5 : Annadreamy_166, Limpid_173
• Track 6 : Maupel_183, Gilson_182, Emma1919_183
• Track 7 : Phredrick_183
• Track 8 : Patelgo_181, Moab_180
• Track 9 : DeluluLabubu_186
• Track 10 : MeganTheeKilla_182
• Track 11 : Kenrey_185
• Track 12 : Faust_171
• Track 13 : Beuffert_172
• Track 14 : Blueeyedbeauty_174
• Track 15 : Sham_171
• Track 16 : Francob_179
• Track 17 : SparkleGoddess_178
• Track 18 : Circinus_140, BillNye_139
• Track 19 : Wakanda_146
• Track 20 : Muntaha_147
• Track 21 : Chaewon_145

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 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_166, Belfort_178, Beuffert_172, BillNye_139, Blueeyedbeauty_174, Chaewon_145, Circinus_140, Comrade_175, DeluluLabubu_186, Emma1919_183, Faust_171, Forrest_184, Francob_179, Gilson_182, Jada_181, Karp_172, Kenrey_185, Limpid_173, Maupel_183, MeganTheeKilla_182, Moab_180, Muntaha_147, Patelgo_181, Phredrick_183, Sham_171, SparkleGoddess_178, Stigma_176, TunaTartare_178, Wakanda_146, Westy_180,

Genes that have the "Most Annotated" start but do not call it:
• SeresaTree_173,

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: 29 of 29
• Called 96.8% of time when present
• Phage (with cluster) where this start called: Annadreamy_166 (BK1), Belfort_178 (BK1), Beuffert_172 (BK1), BillNye_139 (BK2), Blueeyedbeauty_174 (BK1), Chaewon_145 (BK2), Circinus_140 (BK2), Comrade_175 (BK1), DeluluLabubu_186 (BK1), Emma1919_183 (BK1), Faust_171 (BK1), Forrest_184 (BK1), Francob_179 (BK1), Gilson_182 (BK1), Jada_181 (BK1), Karp_172 (BK1), Kenrey_185 (BK1), Limpid_173 (BK1), Maupel_183 (BK1), MeganTheeKilla_182 (BK1), Moab_180 (BK1), Muntaha_147 (BK2), Patelgo_181 (BK1), Phredrick_183 (BK1), Sham_171 (BK1), SparkleGoddess_178 (BK1), Stigma_176 (BK1), TunaTartare_178 (BK1), Wakanda_146 (BK2), Westy_180 (BK1),

Start 5:
• Found in 8 of 31 (25.8%) of genes in pham
• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: SeresaTree_173 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 24 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 2 was manually annotated 5 times for cluster BK2.

Gene Information:

Gene: Annadreamy_166 Start: 89272, Stop: 89703, Start Num: 2
Candidate Starts for Annadreamy_166:
(Start: 2 @89272 has 29 MA's), (3, 89284), (5, 89302), (13, 89365), (15, 89404), (19, 89464), (26, 89521), (31, 89587), (32, 89599), (34, 89617), (37, 89650),

Gene: Belfort_178 Start: 95101, Stop: 95532, Start Num: 2
Candidate Starts for Belfort_178:
(Start: 2 @95101 has 29 MA's), (3, 95113), (11, 95185), (22, 95305), (32, 95428), (33, 95437), (37, 95479), (38, 95494),

Gene: Beuffert_172 Start: 93454, Stop: 93885, Start Num: 2
Candidate Starts for Beuffert_172:
(Start: 2 @93454 has 29 MA's), (3, 93466), (5, 93484), (13, 93547), (15, 93586), (19, 93646), (26, 93703), (31, 93769), (32, 93781), (34, 93799),

Gene: BillNye_139 Start: 84630, Stop: 85055, Start Num: 2
Candidate Starts for BillNye_139:
(Start: 2 @84630 has 29 MA's), (7, 84672), (10, 84705), (14, 84729), (17, 84774), (25, 84864), (26, 84876), (28, 84894), (29, 84903), (37, 85005), (39, 85032),

Gene: Blueeyedbeauty_174 Start: 93039, Stop: 93470, Start Num: 2
Candidate Starts for Blueeyedbeauty_174:
(Start: 2 @93039 has 29 MA's), (3, 93051), (5, 93069), (13, 93132), (15, 93171), (26, 93288), (31, 93354), (32, 93366), (34, 93384), (37, 93417),

Gene: Chaewon_145 Start: 84613, Stop: 85041, Start Num: 2
Candidate Starts for Chaewon_145:
(Start: 2 @84613 has 29 MA's), (7, 84655), (10, 84688), (14, 84712), (17, 84757), (26, 84862), (28, 84880), (29, 84889), (30, 84904), (35, 84973), (37, 84991), (39, 85018),

Gene: Circinus_140 Start: 84598, Stop: 85023, Start Num: 2
Candidate Starts for Circinus_140:
(Start: 2 @84598 has 29 MA's), (7, 84640), (10, 84673), (14, 84697), (17, 84742), (25, 84832), (26, 84844), (28, 84862), (29, 84871), (37, 84973), (39, 85000),

Gene: Comrade_175 Start: 95303, Stop: 95734, Start Num: 2
Candidate Starts for Comrade_175:
(Start: 2 @95303 has 29 MA's), (3, 95315), (11, 95387), (22, 95507), (32, 95630), (33, 95639), (37, 95681), (38, 95696),

Gene: DeluluLabubu_186 Start: 96308, Stop: 96739, Start Num: 2
Candidate Starts for DeluluLabubu_186:
(Start: 2 @96308 has 29 MA's), (14, 96410), (17, 96455), (19, 96500), (20, 96503), (23, 96515), (24, 96518), (32, 96635), (33, 96644), (37, 96686), (38, 96701),

Gene: Emma1919_183 Start: 94327, Stop: 94758, Start Num: 2
Candidate Starts for Emma1919_183:
(Start: 2 @94327 has 29 MA's), (12, 94414), (19, 94519), (20, 94522), (23, 94534), (24, 94537), (32, 94654), (33, 94663), (37, 94705), (38, 94720),

Gene: Faust_171 Start: 94430, Stop: 94858, Start Num: 2
Candidate Starts for Faust_171:
(1, 94424), (Start: 2 @94430 has 29 MA's), (3, 94442), (5, 94460), (9, 94502), (11, 94514), (27, 94691), (32, 94757), (38, 94823),

Gene: Forrest_184 Start: 95769, Stop: 96200, Start Num: 2
Candidate Starts for Forrest_184:
(Start: 2 @95769 has 29 MA's), (3, 95781), (14, 95871), (19, 95961), (20, 95964), (23, 95976), (24, 95979), (32, 96096), (33, 96105), (37, 96147), (38, 96162),

Gene: Francob_179 Start: 94322, Stop: 94750, Start Num: 2
Candidate Starts for Francob_179:

(1, 94316), (Start: 2 @94322 has 29 MA's), (4, 94343), (18, 94502), (22, 94526), (24, 94532), (27, 94583), (32, 94649), (38, 94715),

Gene: Gilson_182 Start: 94289, Stop: 94720, Start Num: 2
Candidate Starts for Gilson_182:
(Start: 2 @94289 has 29 MA's), (12, 94376), (19, 94481), (20, 94484), (23, 94496), (24, 94499), (32, 94616), (33, 94625), (37, 94667), (38, 94682),

Gene: Jada_181 Start: 94462, Stop: 94893, Start Num: 2
Candidate Starts for Jada_181:
(Start: 2 @94462 has 29 MA's), (3, 94474), (14, 94564), (19, 94654), (20, 94657), (23, 94669), (24, 94672), (32, 94789), (33, 94798), (37, 94840), (38, 94855),

Gene: Karp_172 Start: 94527, Stop: 94958, Start Num: 2
Candidate Starts for Karp_172:
(Start: 2 @94527 has 29 MA's), (3, 94539), (11, 94611), (22, 94731), (32, 94854), (33, 94863), (37, 94905), (38, 94920),

Gene: Kenrey_185 Start: 95329, Stop: 95760, Start Num: 2
Candidate Starts for Kenrey_185:
(Start: 2 @95329 has 29 MA's), (3, 95341), (20, 95524), (24, 95539), (32, 95656), (33, 95665), (37, 95707), (38, 95722),

Gene: Limpid_173 Start: 94585, Stop: 95016, Start Num: 2
Candidate Starts for Limpid_173:
(Start: 2 @94585 has 29 MA's), (3, 94597), (5, 94615), (13, 94678), (15, 94717), (19, 94777), (26, 94834), (31, 94900), (32, 94912), (34, 94930), (37, 94963),

Gene: Maupel_183 Start: 94289, Stop: 94720, Start Num: 2
Candidate Starts for Maupel_183:
(Start: 2 @94289 has 29 MA's), (12, 94376), (19, 94481), (20, 94484), (23, 94496), (24, 94499), (32, 94616), (33, 94625), (37, 94667), (38, 94682),

Gene: MeganTheeKilla_182 Start: 94358, Stop: 94789, Start Num: 2
Candidate Starts for MeganTheeKilla_182:
(Start: 2 @94358 has 29 MA's), (14, 94460), (19, 94550), (20, 94553), (23, 94565), (24, 94568), (32, 94685), (33, 94694), (37, 94736), (38, 94751),

Gene: Moab_180 Start: 96804, Stop: 97235, Start Num: 2
Candidate Starts for Moab_180:
(1, 96798), (Start: 2 @96804 has 29 MA's), (3, 96816), (5, 96834), (24, 97014), (27, 97065), (32, 97131), (37, 97182), (38, 97197),

Gene: Muntaha_147 Start: 83566, Stop: 83991, Start Num: 2
Candidate Starts for Muntaha_147:
(Start: 2 @83566 has 29 MA's), (7, 83608), (8, 83617), (10, 83641), (15, 83695), (26, 83812), (37, 83941), (39, 83968),

Gene: Patelgo_181 Start: 97262, Stop: 97693, Start Num: 2
Candidate Starts for Patelgo_181:
(1, 97256), (Start: 2 @97262 has 29 MA's), (3, 97274), (5, 97292), (24, 97472), (27, 97523), (32, 97589), (37, 97640), (38, 97655),

Gene: Phredrick_183 Start: 93952, Stop: 94383, Start Num: 2
Candidate Starts for Phredrick_183:
(Start: 2 @93952 has 29 MA's), (3, 93964), (12, 94039), (20, 94147), (24, 94162), (32, 94279), (33, 94288), (37, 94330), (38, 94345),

Gene: SeresaTree_173 Start: 93842, Stop: 94240, Start Num: 5
Candidate Starts for SeresaTree_173:
(1, 93806), (Start: 2 @93812 has 29 MA's), (3, 93824), (5, 93842), (9, 93884), (11, 93896), (27, 94073), (32, 94139), (38, 94205),

Gene: Sham_171 Start: 95422, Stop: 95850, Start Num: 2
Candidate Starts for Sham_171:
(Start: 2 @95422 has 29 MA's), (3, 95434), (9, 95494), (15, 95554), (20, 95617), (21, 95623), (22, 95626), (27, 95683), (32, 95749), (33, 95758), (36, 95788), (38, 95815),

Gene: SparkleGoddess_178 Start: 95511, Stop: 95942, Start Num: 2
Candidate Starts for SparkleGoddess_178:
(Start: 2 @95511 has 29 MA's), (3, 95523), (22, 95715), (32, 95838), (33, 95847), (37, 95889), (38, 95904),

Gene: Stigma_176 Start: 95748, Stop: 96179, Start Num: 2
Candidate Starts for Stigma_176:
(Start: 2 @95748 has 29 MA's), (3, 95760), (11, 95832), (22, 95952), (32, 96075), (33, 96084), (37, 96126), (38, 96141),

Gene: TunaTartare_178 Start: 97134, Stop: 97562, Start Num: 2
Candidate Starts for TunaTartare_178:
(Start: 2 @97134 has 29 MA's), (3, 97146), (15, 97266), (20, 97329), (21, 97335), (27, 97395), (32, 97461), (33, 97470), (36, 97500), (37, 97512), (38, 97527),

Gene: Wakanda_146 Start: 83509, Stop: 83934, Start Num: 2
Candidate Starts for Wakanda_146:
(Start: 2 @83509 has 29 MA's), (6, 83542), (7, 83551), (8, 83560), (10, 83584), (15, 83638), (16, 83647), (26, 83755), (37, 83884), (39, 83911),

Gene: Westy_180 Start: 96060, Stop: 96491, Start Num: 2
Candidate Starts for Westy_180:
(Start: 2 @96060 has 29 MA's), (3, 96072), (11, 96144), (22, 96264), (32, 96387), (33, 96396), (37, 96438), (38, 96453),