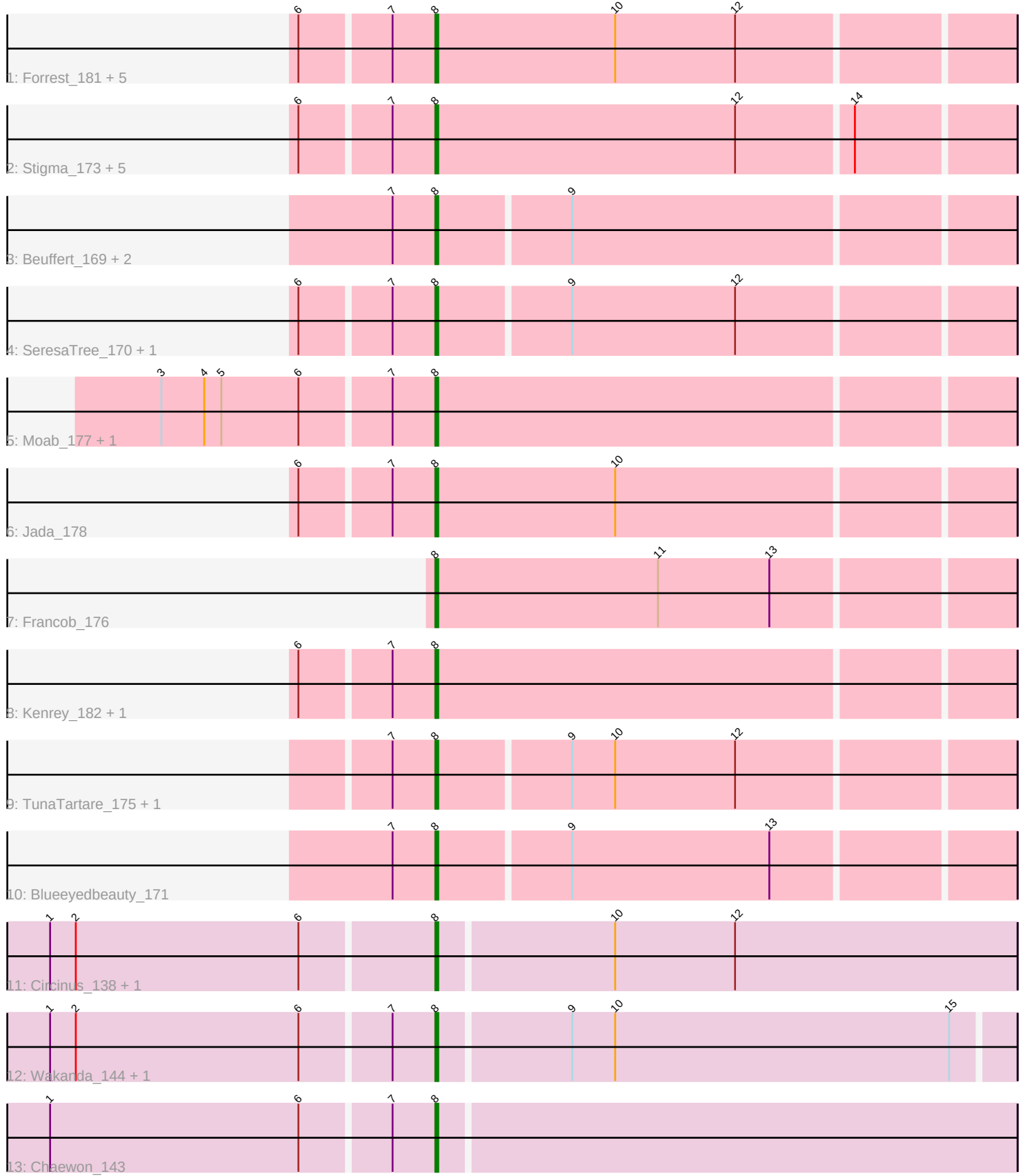


Pham 331099



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 331099 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331099 has 31 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Forrest_181, Gilson_179, Maupel_180, DeluluLabubu_183, Emma1919_180, MeganTheeKilla_179
- Track 2 : Stigma_173, Karp_169, Westy_177, Belfort_175, Comrade_172, SparkleGoddess_175
- Track 3 : Beuffert_169, Annadreamy_163, Limpid_170
- Track 4 : SeresaTree_170, Faust_168
- Track 5 : Moab_177, Patelgo_178
- Track 6 : Jada_178
- Track 7 : Francob_176
- Track 8 : Kenrey_182, Phredrick_180
- Track 9 : TunaTartare_175, Sham_168
- Track 10 : Blueeyedbeauty_171
- Track 11 : Circinus_138, BillNye_137
- Track 12 : Wakanda_144, Muntaha_145
- Track 13 : Chaewon_143

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

The start number called the most often in the published annotations is 8, it was called in 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_163, Belfort_175, Beuffert_169, BillNye_137, Blueeyedbeauty_171, Chaewon_143, Circinus_138, Comrade_172, DeluluLabubu_183, Emma1919_180, Faust_168, Forrest_181, Francob_176, Gilson_179, Jada_178, Karp_169, Kenrey_182, Limpid_170, Maupel_180, MeganTheeKilla_179, Moab_177, Muntaha_145, Patelgo_178, Phredrick_180, SeresaTree_170, Sham_168, SparkleGoddess_175, Stigma_173, TunaTartare_175, Wakanda_144, Westy_177,

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 8:

- Found in 31 of 31 (100.0%) of genes in pham
- Manual Annotations of this start: 29 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_163 (BK1), Belfort_175 (BK1), Beuffert_169 (BK1), BillNye_137 (BK2), Blueeyedbeauty_171 (BK1), Chaewon_143 (BK2), Circinus_138 (BK2), Comrade_172 (BK1), DeluluLabubu_183 (BK1), Emma1919_180 (BK1), Faust_168 (BK1), Forrest_181 (BK1), Francob_176 (BK1), Gilson_179 (BK1), Jada_178 (BK1), Karp_169 (BK1), Kenrey_182 (BK1), Limpid_170 (BK1), Maupel_180 (BK1), MeganTheeKilla_179 (BK1), Moab_177 (BK1), Muntaha_145 (BK2), Patelgo_178 (BK1), Phredrick_180 (BK1), SeresaTree_170 (BK1), Sham_168 (BK1), SparkleGoddess_175 (BK1), Stigma_173 (BK1), TunaTartare_175 (BK1), Wakanda_144 (BK2), Westy_177 (BK1),

Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 8 was manually annotated 24 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 8 was manually annotated 5 times for cluster BK2.

Gene Information:

Gene: Annadreamy_163 Start: 88680, Stop: 88874, Start Num: 8

Candidate Starts for Annadreamy_163:

(7, 88665), (Start: 8 @88680 has 29 MA's), (9, 88725),

Gene: Belfort_175 Start: 94501, Stop: 94698, Start Num: 8

Candidate Starts for Belfort_175:

(6, 94456), (7, 94486), (Start: 8 @94501 has 29 MA's), (12, 94606), (14, 94645),

Gene: Beuffert_169 Start: 92863, Stop: 93057, Start Num: 8

Candidate Starts for Beuffert_169:

(7, 92848), (Start: 8 @92863 has 29 MA's), (9, 92908),

Gene: BillNye_137 Start: 84086, Stop: 84286, Start Num: 8

Candidate Starts for BillNye_137:

(1, 83954), (2, 83963), (6, 84041), (Start: 8 @84086 has 29 MA's), (10, 84146), (12, 84188),

Gene: Blueeyedbeauty_171 Start: 92447, Stop: 92641, Start Num: 8

Candidate Starts for Blueeyedbeauty_171:

(7, 92432), (Start: 8 @92447 has 29 MA's), (9, 92492), (13, 92561),

Gene: Chaewon_143 Start: 84064, Stop: 84264, Start Num: 8

Candidate Starts for Chaewon_143:

(1, 83932), (6, 84019), (7, 84049), (Start: 8 @84064 has 29 MA's),

Gene: Circinus_138 Start: 84054, Stop: 84254, Start Num: 8

Candidate Starts for Circinus_138:

(1, 83922), (2, 83931), (6, 84009), (Start: 8 @84054 has 29 MA's), (10, 84114), (12, 84156),

Gene: Comrade_172 Start: 94703, Stop: 94900, Start Num: 8

Candidate Starts for Comrade_172:

(6, 94658), (7, 94688), (Start: 8 @94703 has 29 MA's), (12, 94808), (14, 94847),

Gene: DeluluLabubu_183 Start: 95726, Stop: 95923, Start Num: 8

Candidate Starts for DeluluLabubu_183:

(6, 95681), (7, 95711), (Start: 8 @95726 has 29 MA's), (10, 95789), (12, 95831),

Gene: Emma1919_180 Start: 93745, Stop: 93942, Start Num: 8

Candidate Starts for Emma1919_180:

(6, 93700), (7, 93730), (Start: 8 @93745 has 29 MA's), (10, 93808), (12, 93850),

Gene: Faust_168 Start: 93832, Stop: 94026, Start Num: 8

Candidate Starts for Faust_168:

(6, 93787), (7, 93817), (Start: 8 @93832 has 29 MA's), (9, 93877), (12, 93934),

Gene: Forrest_181 Start: 95180, Stop: 95377, Start Num: 8

Candidate Starts for Forrest_181:

(6, 95135), (7, 95165), (Start: 8 @95180 has 29 MA's), (10, 95243), (12, 95285),

Gene: Francob_176 Start: 93736, Stop: 93933, Start Num: 8

Candidate Starts for Francob_176:

(Start: 8 @93736 has 29 MA's), (11, 93814), (13, 93853),

Gene: Gilson_179 Start: 93707, Stop: 93904, Start Num: 8

Candidate Starts for Gilson_179:

(6, 93662), (7, 93692), (Start: 8 @93707 has 29 MA's), (10, 93770), (12, 93812),

Gene: Jada_178 Start: 93873, Stop: 94070, Start Num: 8

Candidate Starts for Jada_178:

(6, 93828), (7, 93858), (Start: 8 @93873 has 29 MA's), (10, 93936),

Gene: Karp_169 Start: 93927, Stop: 94124, Start Num: 8

Candidate Starts for Karp_169:

(6, 93882), (7, 93912), (Start: 8 @93927 has 29 MA's), (12, 94032), (14, 94071),

Gene: Kenrey_182 Start: 94740, Stop: 94937, Start Num: 8

Candidate Starts for Kenrey_182:

(6, 94695), (7, 94725), (Start: 8 @94740 has 29 MA's),

Gene: Limpid_170 Start: 93993, Stop: 94187, Start Num: 8

Candidate Starts for Limpid_170:

(7, 93978), (Start: 8 @93993 has 29 MA's), (9, 94038),

Gene: MaupeI_180 Start: 93707, Stop: 93904, Start Num: 8

Candidate Starts for MaupeI_180:

(6, 93662), (7, 93692), (Start: 8 @93707 has 29 MA's), (10, 93770), (12, 93812),

Gene: MeganTheeKilla_179 Start: 93776, Stop: 93973, Start Num: 8

Candidate Starts for MeganTheeKilla_179:

(6, 93731), (7, 93761), (Start: 8 @93776 has 29 MA's), (10, 93839), (12, 93881),

Gene: Moab_177 Start: 96216, Stop: 96413, Start Num: 8

Candidate Starts for Moab_177:

(3, 96123), (4, 96138), (5, 96144), (6, 96171), (7, 96201), (Start: 8 @96216 has 29 MA's),

Gene: Muntaha_145 Start: 83035, Stop: 83232, Start Num: 8

Candidate Starts for Muntaha_145:

(1, 82903), (2, 82912), (6, 82990), (7, 83020), (Start: 8 @83035 has 29 MA's), (9, 83080), (10, 83095), (15, 83212),

Gene: Patelgo_178 Start: 96674, Stop: 96871, Start Num: 8

Candidate Starts for Patelgo_178:

(3, 96581), (4, 96596), (5, 96602), (6, 96629), (7, 96659), (Start: 8 @96674 has 29 MA's),

Gene: Phredrick_180 Start: 93371, Stop: 93568, Start Num: 8

Candidate Starts for Phredrick_180:

(6, 93326), (7, 93356), (Start: 8 @93371 has 29 MA's),

Gene: SeresaTree_170 Start: 93214, Stop: 93408, Start Num: 8

Candidate Starts for SeresaTree_170:

(6, 93169), (7, 93199), (Start: 8 @93214 has 29 MA's), (9, 93259), (12, 93316),

Gene: Sham_168 Start: 94831, Stop: 95025, Start Num: 8

Candidate Starts for Sham_168:

(7, 94816), (Start: 8 @94831 has 29 MA's), (9, 94876), (10, 94891), (12, 94933),

Gene: SparkleGoddess_175 Start: 94911, Stop: 95108, Start Num: 8

Candidate Starts for SparkleGoddess_175:

(6, 94866), (7, 94896), (Start: 8 @94911 has 29 MA's), (12, 95016), (14, 95055),

Gene: Stigma_173 Start: 95148, Stop: 95345, Start Num: 8

Candidate Starts for Stigma_173:

(6, 95103), (7, 95133), (Start: 8 @95148 has 29 MA's), (12, 95253), (14, 95292),

Gene: TunaTartare_175 Start: 96543, Stop: 96737, Start Num: 8

Candidate Starts for TunaTartare_175:

(7, 96528), (Start: 8 @96543 has 29 MA's), (9, 96588), (10, 96603), (12, 96645),

Gene: Wakanda_144 Start: 82977, Stop: 83174, Start Num: 8

Candidate Starts for Wakanda_144:

(1, 82845), (2, 82854), (6, 82932), (7, 82962), (Start: 8 @82977 has 29 MA's), (9, 83022), (10, 83037), (15, 83154),

Gene: Westy_177 Start: 95460, Stop: 95657, Start Num: 8

Candidate Starts for Westy_177:

(6, 95415), (7, 95445), (Start: 8 @95460 has 29 MA's), (12, 95565), (14, 95604),