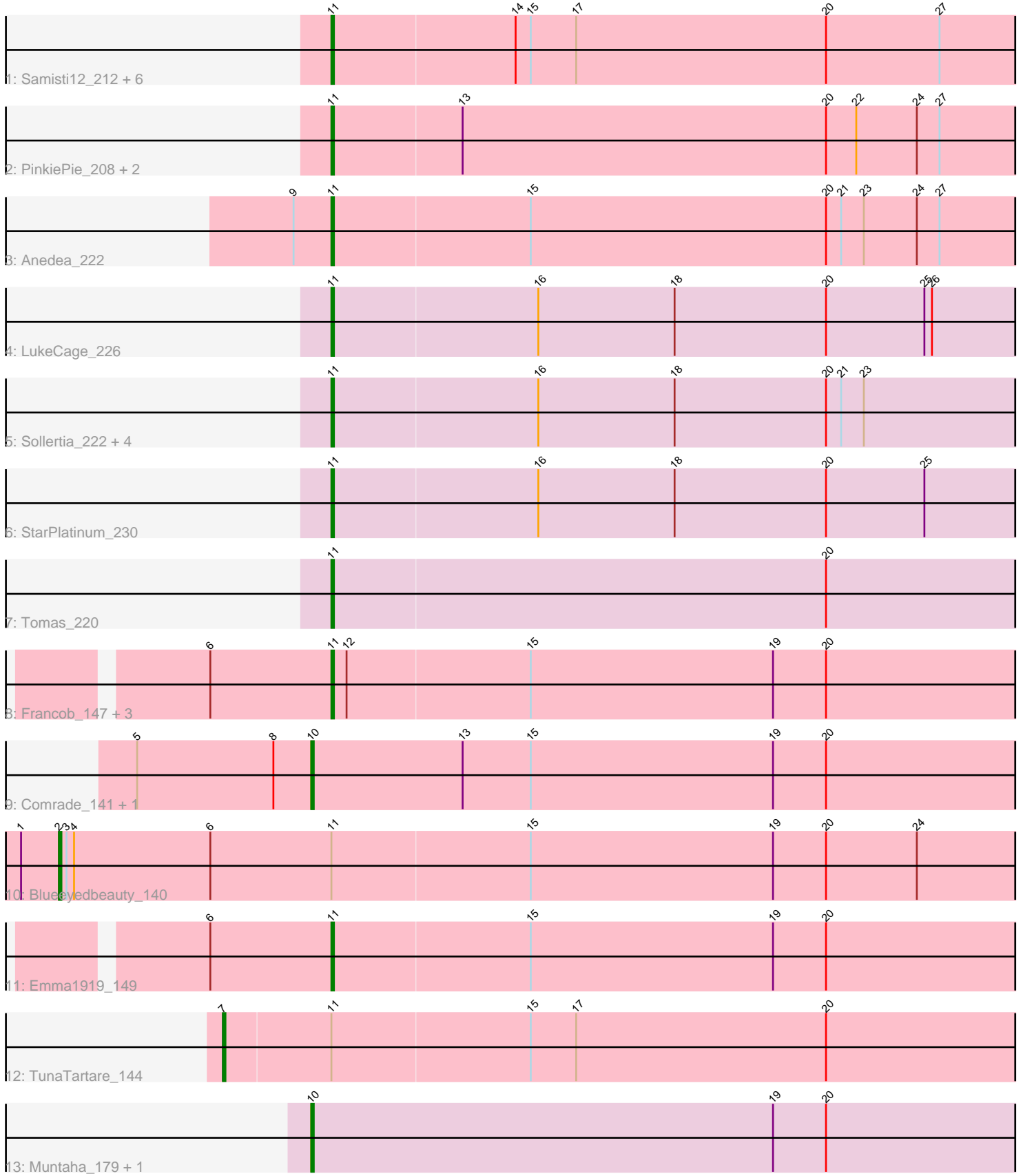


Pham 166890



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 166890 Report

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

Pham number 166890 has 30 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Samisti12_212, Watermoore_207, BlueOtter_210, HangryHippo_210, Sushi23_208, Cross_207, Cursive_210
- Track 2 : PinkiePie_208, Liandry_208, Squillium_211
- Track 3 : Anedea_222
- Track 4 : LukeCage_226
- Track 5 : Sollertia_222, Yaboi_226, Stanimal_221, BoomerJR_220, Genie2_220
- Track 6 : StarPlatinum_230
- Track 7 : Tomas_220
- Track 8 : Francob_147, Gilson_149, Phredrick_148, Kenrey_151
- Track 9 : Comrade_141, Stigma_142
- Track 10 : Blueeyedbeauty_140
- Track 11 : Emma1919_149
- Track 12 : TunaTartare_144
- Track 13 : Muntaha_179, Wakanda_177

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

The start number called the most often in the published annotations is 11, it was called in 22 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anedea_222, BlueOtter_210, BoomerJR_220, Cross_207, Cursive_210, Emma1919_149, Francob_147, Genie2_220, Gilson_149, HangryHippo_210, Kenrey_151, Liandry_208, LukeCage_226, Phredrick_148, PinkiePie_208, Samisti12_212, Sollertia_222, Squillium_211, Stanimal_221, StarPlatinum_230, Sushi23_208, Tomas_220, Watermoore_207, Yaboi_226,

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

- Blueeyedbeauty_140, TunaTartare_144,

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

- Comrade_141, Muntaha_179, Stigma_142, Wakanda_177,

Summary by start number:

Start 2:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Blueeyedbeauty_140 (BK1),

Start 7:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TunaTartare_144 (BK1),

Start 10:

- Found in 4 of 30 (13.3%) of genes in pham
- Manual Annotations of this start: 4 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Comrade_141 (BK1), Muntaha_179 (BK2), Stigma_142 (BK1), Wakanda_177 (BK2),

Start 11:

- Found in 26 of 30 (86.7%) of genes in pham
- Manual Annotations of this start: 22 of 28
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Anedea_222 (BE1), BlueOtter_210 (BE1), BoomerJR_220 (BE2), Cross_207 (BE1), Cursive_210 (BE1), Emma1919_149 (BK1), Francob_147 (BK1), Genie2_220 (BE2), Gilson_149 (BK1), HangryHippo_210 (BE1), Kenrey_151 (BK1), Liandry_208 (BE1), LukeCage_226 (BE2), Phredrick_148 (BK1), PinkiePie_208 (BE1), Samisti12_212 (BE1), Sollertia_222 (BE2), Squillium_211 (BE1), Stanimal_221 (BE2), StarPlatinum_230 (BE2), Sushi23_208 (BE1), Tomas_220 (BE2), Watermoore_207 (BE1), Yaboi_226 (BE2),

Summary by clusters:

There are 4 clusters represented in this pham: BE2, BE1, BK1, BK2,

Info for manual annotations of cluster BE1:

- Start number 11 was manually annotated 9 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 11 was manually annotated 8 times for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 1 time for cluster BK1.
- Start number 7 was manually annotated 1 time for cluster BK1.
- Start number 10 was manually annotated 2 times for cluster BK1.
- Start number 11 was manually annotated 5 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 10 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: Anedea_222 Start: 107754, Stop: 108062, Start Num: 11

Candidate Starts for Anedea_222:

(9, 107739), (Start: 11 @107754 has 22 MA's), (15, 107832), (20, 107949), (21, 107955), (23, 107964), (24, 107985), (27, 107994),

Gene: BlueOtter_210 Start: 105525, Stop: 105833, Start Num: 11

Candidate Starts for BlueOtter_210:

(Start: 11 @105525 has 22 MA's), (14, 105597), (15, 105603), (17, 105621), (20, 105720), (27, 105765),

Gene: Blueeyedbeauty_140 Start: 79745, Stop: 80158, Start Num: 2

Candidate Starts for Blueeyedbeauty_140:

(1, 79730), (Start: 2 @79745 has 1 MA's), (3, 79748), (4, 79751), (6, 79805), (Start: 11 @79853 has 22 MA's), (15, 79931), (19, 80027), (20, 80048), (24, 80084),

Gene: BoomerJR_220 Start: 107155, Stop: 107448, Start Num: 11

Candidate Starts for BoomerJR_220:

(Start: 11 @107155 has 22 MA's), (16, 107236), (18, 107290), (20, 107350), (21, 107356), (23, 107365),

Gene: Comrade_141 Start: 82061, Stop: 82372, Start Num: 10

Candidate Starts for Comrade_141:

(5, 81992), (8, 82046), (Start: 10 @82061 has 4 MA's), (13, 82121), (15, 82148), (19, 82244), (20, 82265),

Gene: Cross_207 Start: 106170, Stop: 106478, Start Num: 11

Candidate Starts for Cross_207:

(Start: 11 @106170 has 22 MA's), (14, 106242), (15, 106248), (17, 106266), (20, 106365), (27, 106410),

Gene: Cursive_210 Start: 105854, Stop: 106162, Start Num: 11

Candidate Starts for Cursive_210:

(Start: 11 @105854 has 22 MA's), (14, 105926), (15, 105932), (17, 105950), (20, 106049), (27, 106094),

Gene: Emma1919_149 Start: 82062, Stop: 82367, Start Num: 11

Candidate Starts for Emma1919_149:

(6, 82014), (Start: 11 @82062 has 22 MA's), (15, 82140), (19, 82236), (20, 82257),

Gene: Francob_147 Start: 82570, Stop: 82881, Start Num: 11

Candidate Starts for Francob_147:

(6, 82522), (Start: 11 @82570 has 22 MA's), (12, 82576), (15, 82648), (19, 82744), (20, 82765),

Gene: Genie2_220 Start: 107280, Stop: 107573, Start Num: 11

Candidate Starts for Genie2_220:

(Start: 11 @107280 has 22 MA's), (16, 107361), (18, 107415), (20, 107475), (21, 107481), (23, 107490),

Gene: Gilson_149 Start: 82024, Stop: 82329, Start Num: 11

Candidate Starts for Gilson_149:

(6, 81976), (Start: 11 @82024 has 22 MA's), (12, 82030), (15, 82102), (19, 82198), (20, 82219),

Gene: HangryHippo_210 Start: 105525, Stop: 105833, Start Num: 11

Candidate Starts for HangryHippo_210:

(Start: 11 @105525 has 22 MA's), (14, 105597), (15, 105603), (17, 105621), (20, 105720), (27, 105765),

Gene: Kenrey_151 Start: 83184, Stop: 83495, Start Num: 11

Candidate Starts for Kenrey_151:

(6, 83136), (Start: 11 @83184 has 22 MA's), (12, 83190), (15, 83262), (19, 83358), (20, 83379),

Gene: Liandry_208 Start: 105631, Stop: 105939, Start Num: 11

Candidate Starts for Liandry_208:

(Start: 11 @105631 has 22 MA's), (13, 105682), (20, 105826), (22, 105838), (24, 105862), (27, 105871),

Gene: LukeCage_226 Start: 109136, Stop: 109429, Start Num: 11

Candidate Starts for LukeCage_226:

(Start: 11 @109136 has 22 MA's), (16, 109217), (18, 109271), (20, 109331), (25, 109370), (26, 109373),

Gene: Muntaha_179 Start: 92605, Stop: 92913, Start Num: 10

Candidate Starts for Muntaha_179:

(Start: 10 @92605 has 4 MA's), (19, 92788), (20, 92809),

Gene: Phredrick_148 Start: 81519, Stop: 81830, Start Num: 11

Candidate Starts for Phredrick_148:

(6, 81471), (Start: 11 @81519 has 22 MA's), (12, 81525), (15, 81597), (19, 81693), (20, 81714),

Gene: PinkiePie_208 Start: 105631, Stop: 105939, Start Num: 11

Candidate Starts for PinkiePie_208:

(Start: 11 @105631 has 22 MA's), (13, 105682), (20, 105826), (22, 105838), (24, 105862), (27, 105871),

Gene: Samisti12_212 Start: 107816, Stop: 108124, Start Num: 11

Candidate Starts for Samisti12_212:

(Start: 11 @107816 has 22 MA's), (14, 107888), (15, 107894), (17, 107912), (20, 108011), (27, 108056),

Gene: Sollertia_222 Start: 107269, Stop: 107562, Start Num: 11

Candidate Starts for Sollertia_222:

(Start: 11 @107269 has 22 MA's), (16, 107350), (18, 107404), (20, 107464), (21, 107470), (23, 107479),

Gene: Squillium_211 Start: 105633, Stop: 105941, Start Num: 11

Candidate Starts for Squillium_211:

(Start: 11 @105633 has 22 MA's), (13, 105684), (20, 105828), (22, 105840), (24, 105864), (27, 105873),

Gene: Stanimal_221 Start: 107641, Stop: 107934, Start Num: 11

Candidate Starts for Stanimal_221:

(Start: 11 @107641 has 22 MA's), (16, 107722), (18, 107776), (20, 107836), (21, 107842), (23, 107851),

Gene: StarPlatinum_230 Start: 109367, Stop: 109660, Start Num: 11
Candidate Starts for StarPlatinum_230:
(Start: 11 @109367 has 22 MA's), (16, 109448), (18, 109502), (20, 109562), (25, 109601),

Gene: Stigma_142 Start: 82506, Stop: 82817, Start Num: 10
Candidate Starts for Stigma_142:
(5, 82437), (8, 82491), (Start: 10 @82506 has 4 MA's), (13, 82566), (15, 82593), (19, 82689), (20, 82710),

Gene: Sushi23_208 Start: 106826, Stop: 107134, Start Num: 11
Candidate Starts for Sushi23_208:
(Start: 11 @106826 has 22 MA's), (14, 106898), (15, 106904), (17, 106922), (20, 107021), (27, 107066),

Gene: Tomas_220 Start: 107653, Stop: 107946, Start Num: 11
Candidate Starts for Tomas_220:
(Start: 11 @107653 has 22 MA's), (20, 107848),

Gene: TunaTartare_144 Start: 84201, Stop: 84557, Start Num: 7
Candidate Starts for TunaTartare_144:
(Start: 7 @84201 has 1 MA's), (Start: 11 @84243 has 22 MA's), (15, 84321), (17, 84339), (20, 84438),

Gene: Wakanda_177 Start: 92285, Stop: 92593, Start Num: 10
Candidate Starts for Wakanda_177:
(Start: 10 @92285 has 4 MA's), (19, 92468), (20, 92489),

Gene: Watermoore_207 Start: 107168, Stop: 107476, Start Num: 11
Candidate Starts for Watermoore_207:
(Start: 11 @107168 has 22 MA's), (14, 107240), (15, 107246), (17, 107264), (20, 107363), (27, 107408),

Gene: Yaboi_226 Start: 107204, Stop: 107497, Start Num: 11
Candidate Starts for Yaboi_226:
(Start: 11 @107204 has 22 MA's), (16, 107285), (18, 107339), (20, 107399), (21, 107405), (23, 107414),