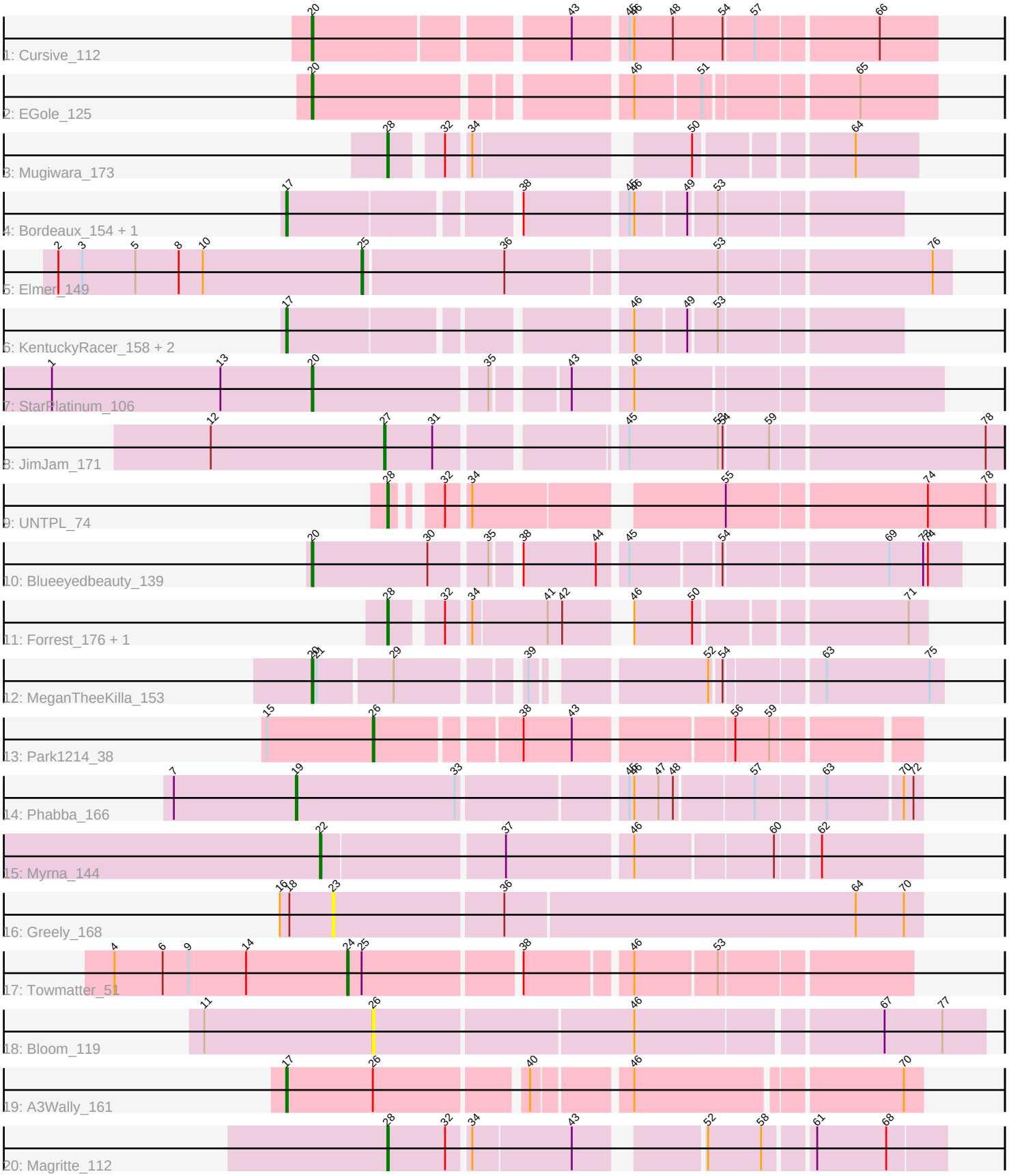
Pham 347984


1: Cursive_112
2: EGole_125
3: Mugiwara_173
4: Bordeaux_154 + 1
5: Elmer_149
6: KentuckyRacer_158 + 2
7: StarPlatinum_106
8: JimJam_171
9: UNTPL_74
10: Blueeyedbeauty_139
11: Forrest_176 + 1
12: MeganTheeKilla_153
13: Park1214_38
14: Phabba_166
15: Myrna_144
16: Greely_168
17: Towmatter_51
18: Bloom_119
19: A3Wally_161
20: Magritte_112

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 347984 Report

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

Pham number 347984 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Cursive_112
• Track 2 : EGole_125
• Track 3 : Mugiwara_173
• Track 4 : Bordeaux_154, AcciDwight_163
• Track 5 : Elmer_149
• Track 6 : KentuckyRacer_158, StarPlatinum_159, MulchMansion_147
• Track 7 : StarPlatinum_106
• Track 8 : JimJam_171
• Track 9 : UNTPL_74
• Track 10 : Blueeyedbeauty_139
• Track 11 : Forrest_176, DeluluLabubu_178
• Track 12 : MeganTheeKilla_153
• Track 13 : Park1214_38
• Track 14 : Phabba_166
• Track 15 : Myrna_144
• Track 16 : Greely_168
• Track 17 : Towmatter_51
• Track 18 : Bloom_119
• Track 19 : A3Wally_161
• Track 20 : Magritte_112

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

The start number called the most often in the published annotations is 20, it was called in 5 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Blueeyedbeauty_139, Cursive_112, EGole_125, MeganTheeKilla_153, StarPlatinum_106,

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

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

• A3Wally_161, AcciDwight_163, Bloom_119, Bordeaux_154, DeluluLabubu_178, Elmer_149, Forrest_176, Greely_168, JimJam_171, KentuckyRacer_158, Magritte_112, Mugiwara_173, MulchMansion_147, Myrna_144, Park1214_38, Phabba_166, StarPlatinum_159, Towmatter_51, UNTPL_74,

Summary by start number:

Start 17:
• Found in 6 of 24 (25.0%) of genes in pham
• Manual Annotations of this start: 5 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_161 (GD1), AcciDwight_163 (BE2), Bordeaux_154 (BE2), KentuckyRacer_158 (BE2), MulchMansion_147 (BE1), StarPlatinum_159 (BE2),

Start 19:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phabba_166 (C2),

Start 20:
• Found in 5 of 24 (20.8%) of genes in pham
• Manual Annotations of this start: 5 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blueeyedbeauty_139 (BK1), Cursive_112 (BE1), EGole_125 (BE1), MeganTheeKilla_153 (BK1), StarPlatinum_106 (BE2),

Start 22:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Myrna_144 (C2),

Start 23:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Greely_168 (C2),

Start 24:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Towmatter_51 (DL),

Start 25:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Elmer_149 (BE2),

Start 26:
• Found in 3 of 24 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Bloom_119 (FC), Park1214_38 (BS),

Start 27:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JimJam_171 (BE2),

Start 28:
• Found in 5 of 24 (20.8%) of genes in pham
• Manual Annotations of this start: 5 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DeluluLabubu_178 (BK1), Forrest_176 (BK1), Magritte_112 (singleton), Mugiwara_173 (BE2), UNTPL_74 (BH),

Summary by clusters:

There are 10 clusters represented in this pham: GD1, singleton, BH, DL, FC, BK1, BS, BE2, C2, BE1,

Info for manual annotations of cluster BE1:
•Start number 17 was manually annotated 1 time for cluster BE1.
•Start number 20 was manually annotated 2 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 17 was manually annotated 3 times for cluster BE2.
•Start number 20 was manually annotated 1 time for cluster BE2.
•Start number 25 was manually annotated 1 time for cluster BE2.
•Start number 27 was manually annotated 1 time for cluster BE2.
•Start number 28 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BH:
•Start number 28 was manually annotated 1 time for cluster BH.

Info for manual annotations of cluster BK1:
•Start number 20 was manually annotated 2 times for cluster BK1.
•Start number 28 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BS:
•Start number 26 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster C2:
•Start number 19 was manually annotated 1 time for cluster C2.
•Start number 22 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster DL:
•Start number 24 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster GD1:
•Start number 17 was manually annotated 1 time for cluster GD1.

Gene Information:

Gene: A3Wally_161 Start: 93240, Stop: 93602, Start Num: 17
Candidate Starts for A3Wally_161:
(Start: 17 @93240 has 5 MA's), (Start: 26 @93294 has 1 MA's), (40, 93381), (46, 93435), (70, 93591),

Gene: AcciDwight_163 Start: 88123, Stop: 88467, Start Num: 17
Candidate Starts for AcciDwight_163:
(Start: 17 @88123 has 5 MA's), (38, 88252), (45, 88312), (46, 88315), (49, 88345), (53, 88360),

Gene: Bloom_119 Start: 91780, Stop: 92142, Start Num: 26
Candidate Starts for Bloom_119:
(11, 91675), (Start: 26 @91780 has 1 MA's), (46, 91936), (67, 92080), (77, 92116),

Gene: Blueeyedbeauty_139 Start: 79396, Stop: 79761, Start Num: 20
Candidate Starts for Blueeyedbeauty_139:
(Start: 20 @79396 has 5 MA's), (30, 79465), (35, 79498), (38, 79510), (44, 79555), (45, 79570), (54, 79621), (69, 79717), (73, 79738), (74, 79741),

Gene: Bordeaux_154 Start: 87839, Stop: 88183, Start Num: 17
Candidate Starts for Bordeaux_154:
(Start: 17 @87839 has 5 MA's), (38, 87968), (45, 88028), (46, 88031), (49, 88061), (53, 88076),

Gene: Cursive_112 Start: 77217, Stop: 77573, Start Num: 20
Candidate Starts for Cursive_112:
(Start: 20 @77217 has 5 MA's), (43, 77361), (45, 77391), (46, 77394), (48, 77418), (54, 77448), (57, 77466), (66, 77538),

Gene: DeluluLabubu_178 Start: 94536, Stop: 94826, Start Num: 28
Candidate Starts for DeluluLabubu_178:
(Start: 28 @94536 has 5 MA's), (32, 94563), (34, 94575), (41, 94620), (42, 94629), (46, 94659), (50, 94695), (71, 94815),

Gene: EGole_125 Start: 82153, Stop: 82503, Start Num: 20
Candidate Starts for EGole_125:
(Start: 20 @82153 has 5 MA's), (46, 82330), (51, 82369), (65, 82456),

Gene: Elmer_149 Start: 88649, Stop: 88993, Start Num: 25
Candidate Starts for Elmer_149:
(2, 88460), (3, 88475), (5, 88508), (8, 88535), (10, 88550), (Start: 25 @88649 has 1 MA's), (36, 88733), (53, 88856), (76, 88982),

Gene: Forrest_176 Start: 93990, Stop: 94280, Start Num: 28
Candidate Starts for Forrest_176:
(Start: 28 @93990 has 5 MA's), (32, 94017), (34, 94029), (41, 94074), (42, 94083), (46, 94113), (50, 94149), (71, 94269),

Gene: Greely_168 Start: 94393, Stop: 94752, Start Num: 23

Candidate Starts for Greely_168:
(16, 94360), (18, 94366), (23, 94393), (36, 94495), (64, 94711), (70, 94741),

Gene: JimJam_171 Start: 92515, Stop: 92871, Start Num: 27
Candidate Starts for JimJam_171:
(12, 92407), (Start: 27 @92515 has 1 MA's), (31, 92545), (45, 92647), (53, 92701), (54, 92704), (59, 92731), (78, 92860),

Gene: KentuckyRacer_158 Start: 88711, Stop: 89055, Start Num: 17
Candidate Starts for KentuckyRacer_158:
(Start: 17 @88711 has 5 MA's), (46, 88903), (49, 88933), (53, 88948),

Gene: Magritte_112 Start: 72994, Stop: 73305, Start Num: 28
Candidate Starts for Magritte_112:
(Start: 28 @72994 has 5 MA's), (32, 73030), (34, 73042), (43, 73102), (52, 73168), (58, 73201), (61, 73228), (68, 73270),

Gene: MeganTheeKilla_153 Start: 84120, Stop: 84458, Start Num: 20
Candidate Starts for MeganTheeKilla_153:
(Start: 20 @84120 has 5 MA's), (21, 84123), (29, 84165), (39, 84234), (52, 84327), (54, 84333), (63, 84387), (75, 84450),

Gene: Mugiwara_173 Start: 93300, Stop: 93584, Start Num: 28
Candidate Starts for Mugiwara_173:
(Start: 28 @93300 has 5 MA's), (32, 93327), (34, 93339), (50, 93459), (64, 93546),

Gene: MulchMansion_147 Start: 87054, Stop: 87398, Start Num: 17
Candidate Starts for MulchMansion_147:
(Start: 17 @87054 has 5 MA's), (46, 87246), (49, 87276), (53, 87291),

Gene: Myrna_144 Start: 92033, Stop: 92380, Start Num: 22
Candidate Starts for Myrna_144:
(Start: 22 @92033 has 1 MA's), (37, 92141), (46, 92213), (60, 92294), (62, 92318),

Gene: Park1214_38 Start: 12803, Stop: 13108, Start Num: 26
Candidate Starts for Park1214_38:
(15, 12737), (Start: 26 @12803 has 1 MA's), (38, 12884), (43, 12914), (56, 13004), (59, 13025),

Gene: Phabba_166 Start: 92816, Stop: 93178, Start Num: 19
Candidate Starts for Phabba_166:
(7, 92741), (Start: 19 @92816 has 1 MA's), (33, 92915), (45, 93011), (46, 93014), (47, 93029), (48, 93038), (57, 93083), (63, 93122), (70, 93167), (72, 93173),

Gene: StarPlatinum_106 Start: 73373, Stop: 73726, Start Num: 20
Candidate Starts for StarPlatinum_106:
(1, 73211), (13, 73316), (Start: 20 @73373 has 5 MA's), (35, 73475), (43, 73514), (46, 73547),

Gene: StarPlatinum_159 Start: 89611, Stop: 89955, Start Num: 17
Candidate Starts for StarPlatinum_159:
(Start: 17 @89611 has 5 MA's), (46, 89803), (49, 89833), (53, 89848),

Gene: Towmatter_51 Start: 41131, Stop: 41451, Start Num: 24
Candidate Starts for Towmatter_51:

(4, 40987), (6, 41017), (9, 41032), (14, 41068), (Start: 24 @41131 has 1 MA's), (Start: 25 @41140 has 1 MA's), (38, 41230), (46, 41290), (53, 41338),

Gene: UNTPL_74 Start: 50402, Stop: 50737, Start Num: 28
Candidate Starts for UNTPL_74:
(Start: 28 @50402 has 5 MA's), (32, 50423), (34, 50435), (55, 50576), (74, 50696), (78, 50732),