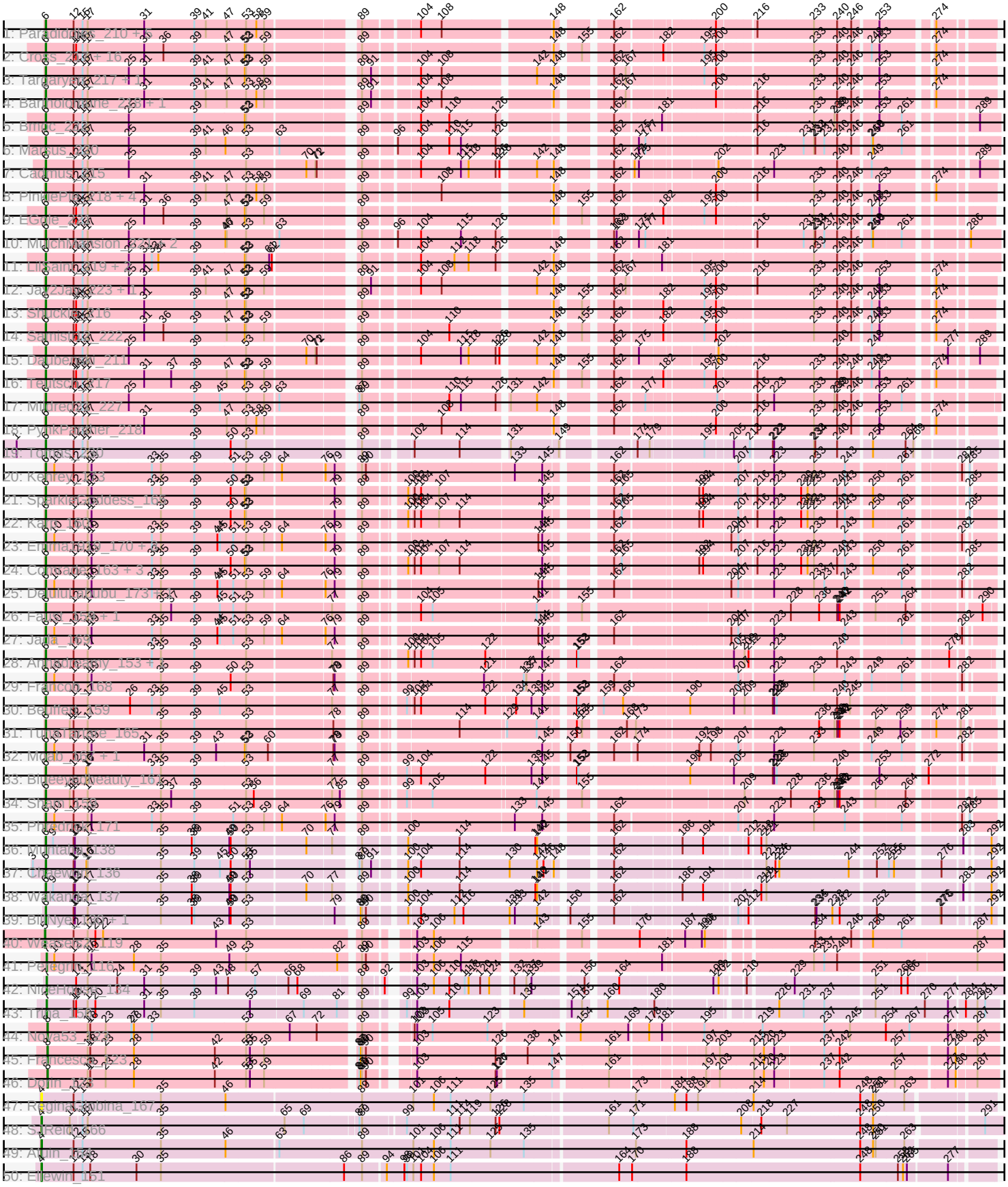
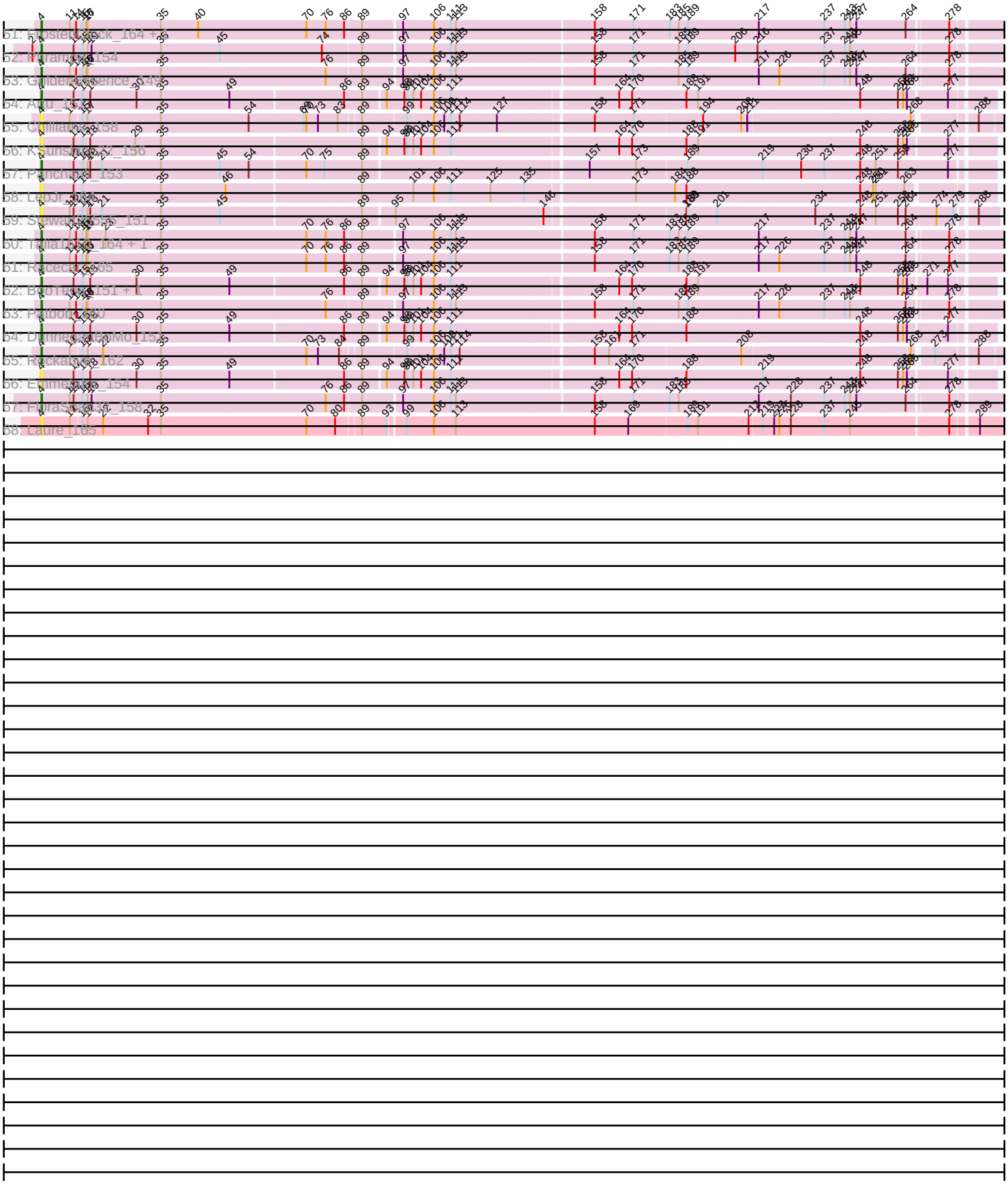
Pham 341952



Pham 341952



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 341952 Report

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

Pham number 341952 has 114 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Paradiddles_210, Davielle_217, Persimmon_221, NootNoot_215, WhereRU_217, Braelyn_214
• Track 2 : Cross_217, Tribute_214, Lululemon_214, Sushi23_218, HangryHippo_216, WashU_212, Watermoore_217, BlueOtter_216, PacManQ_214, Peebs_215, Coogler_215, ArianaSWT_221, Scheme_221, Leo04_218, Pepperwood_218, Cursive_220, Larnav_217
• Track 3 : Targaryen_217, Evy_208
• Track 4 : Bartholomune_218, Navo_212
• Track 5 : Bmoc_222
• Track 6 : Marsus_220
• Track 7 : Cadmus_215
• Track 8 : PinkiePie_218, Eliot67_220, Liandry_218, FreddyDRoo_219, Squillium_221
• Track 9 : EGole_221
• Track 10 : MulchMansion_221, LilMartin_217, Angela_220
• Track 11 : LilSaint_219, Anedea_231, Riptide_219
• Track 12 : Jay2Jay_223, Warpy_221
• Track 13 : Shuckle_216
• Track 14 : Samisti12_222
• Track 15 : Daubenski_211
• Track 16 : Teutsch_217
• Track 17 : Mildred21_227
• Track 18 : PynkPanther_218
• Track 19 : Tomas_230
• Track 20 : Kenrey_173
• Track 21 : SparkleGoddess_165
• Track 22 : Karp_160
• Track 23 : Emma1919_170, Forrest_172, Gilson_169, Maupel_170
• Track 24 : Comrade_163, Stigma_164, Belfort_166, Westy_168
• Track 25 : DeluluLabubu_173, MeganTheeKilla_169
• Track 26 : Faust_159, SeresaTree_161
• Track 27 : Jada_169
• Track 28 : Annadreamy_153, Limpid_160
• Track 29 : Francob_168
• Track 30 : Beuffert_159
• Track 31 : TunaTartare_165
• Track 32 : Moab_167, Patelgo_168

• Track 33 : Blueeyedbeauty_161
• Track 34 : Sham_159
• Track 35 : Phredrick_171
• Track 36 : Muntaha_138
• Track 37 : Chaewon_136
• Track 38 : Wakanda_137
• Track 39 : BillNye_130, Circinus_131
• Track 40 : Weasels2_119
• Track 41 : Peregrin_116
• Track 42 : NiceHouse_134
• Track 43 : Trina_156
• Track 44 : Nova53_123
• Track 45 : Francesca_123
• Track 46 : Dorin_123
• Track 47 : ReginaGlobina_167
• Track 48 : SJReid_166
• Track 49 : Atuin_154
• Track 50 : Ellewin_151
• Track 51 : FrostedClock_164, Mimi_164
• Track 52 : Phrampa_154
• Track 53 : GoldenEssence_149
• Track 54 : Artu_151
• Track 55 : Chilliams_158
• Track 56 : KSunshine22_156
• Track 57 : Panchaali_153
• Track 58 : LeoJr_164
• Track 59 : Stewart25555_151
• Track 60 : Talia1610_164, Bloom_167
• Track 61 : Racecar_165
• Track 62 : BooTeria_151, WaddleDee_147
• Track 63 : Patbob_160
• Track 64 : DunneganBoMo_151
• Track 65 : Rockabye_162
• Track 66 : Emmetator_154
• Track 67 : FloraSnap32_158
• Track 68 : Laure_165

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

The start number called the most often in the published annotations is 6, it was called in 79 of the 103 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_231, Angela_220, Annadreamy_153, ArianaSWT_221, Bartholomune_218, Belfort_166, Beuffert_159, BillNye_130, BlueOtter_216, Blueeyedbeauty_161, Bmoc_222, Braelyn_214, Cadmus_215, Chaewon_136, Circinus_131, Comrade_163, Coogler_215, Cross_217, Cursive_220, Daubenski_211, Davielle_217, DeluluLabubu_173, EGole_221, Eliot67_220, Emma1919_170, Evy_208, Faust_159, Forrest_172, Francob_168, FreddyDRoo_219, Gilson_169, HangryHippo_216, Jada_169, Jay2Jay_223, Karp_160, Kenrey_173, Larnav_217, Leo04_218,

Liandry_218, LilMartin_217, LilSaint_219, Limpid_160, Lululemon_214, Marsus_220, Maupel_170, MeganTheeKilla_169, Mildred21_227, Moab_167, MulchMansion_221, Muntaha_138, Navo_212, NootNoot_215, PacManQ_214, Paradiddles_210, Patelgo_168, Peebs_215, Pepperwood_218, Persimmon_221, Phredrick_171, PinkiePie_218, PynkPanther_218, Riptide_219, Samisti12_222, Scheme_221, SeresaTree_161, Sham_159, Shuckle_216, SparkleGoddess_165, Squillium_221, Stigma_164, Sushi23_218, Targaryen_217, Teutsch_217, Tomas_230, Tribute_214, TunaTartare_165, Wakanda_137, Warpy_221, WashU_212, Watermoore_217, Westy_168, WhereRU_217,

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

Genes that do not have the "Most Annotated" start:
• Artu_151, Atuin_154, Bloom_167, BooTeria_151, Chilliams_158, Dorin_123, DunneganBoMo_151, Ellewin_151, Emmetator_154, FloraSnap32_158, Francesca_123, FrostedClock_164, GoldenEssence_149, KSunshine22_156, Laure_165, LeoJr_164, Mimi_164, NiceHouse_134, Nova53_123, Panchaali_153, Patbob_160, Peregrin_116, Phrampa_154, Racecar_165, ReginaGlobina_167, Rockabye_162, SJReid_166, Stewart25555_151, Talia1610_164, Trina_156, WaddleDee_147, Weasels2_119,

Summary by start number:

Start 4:
• Found in 25 of 114 (21.9%) of genes in pham
• Manual Annotations of this start: 17 of 103
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_151 (FC), Atuin_154 (FC), Bloom_167 (FC), BooTeria_151 (FC), Chilliams_158 (FC), DunneganBoMo_151 (FC), Ellewin_151 (FC), Emmetator_154 (FC), FloraSnap32_158 (FC), FrostedClock_164 (FC), GoldenEssence_149 (FC), KSunshine22_156 (FC), Laure_165 (UNK), LeoJr_164 (FC), Mimi_164 (FC), Panchaali_153 (FC), Patbob_160 (FC), Phrampa_154 (FC), Racecar_165 (FC), ReginaGlobina_167 (FC), Rockabye_162 (FC), SJReid_166 (FC), Stewart25555_151 (FC), Talia1610_164 (FC), WaddleDee_147 (FC),

Start 5:
• Found in 1 of 114 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 103
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Weasels2_119 (CB),

Start 6:
• Found in 82 of 114 (71.9%) of genes in pham
• Manual Annotations of this start: 79 of 103
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_231 (BE1), Angela_220 (BE1), Annadreamy_153 (BK1), ArianaSWT_221 (BE1), Bartholomune_218 (BE1), Belfort_166 (BK1), Beuffert_159 (BK1), BillNye_130 (BK2), BlueOtter_216 (BE1), Blueeyedbeauty_161 (BK1), Bmoc_222 (BE1), Braelyn_214 (BE1), Cadmus_215 (BE1), Chaewon_136 (BK2), Circinus_131 (BK2), Comrade_163 (BK1), Coogler_215 (BE1), Cross_217 (BE1), Cursive_220 (BE1), Daubenski_211 (BE1), Davielle_217

(BE1), DeluluLabubu_173 (BK1), EGole_221 (BE1), Eliot67_220 (BE1), Emma1919_170 (BK1), Evy_208 (BE1), Faust_159 (BK1), Forrest_172 (BK1), Francob_168 (BK1), FreddyDRoo_219 (BE1), Gilson_169 (BK1), HangryHippo_216 (BE1), Jada_169 (BK1), Jay2Jay_223 (BE1), Karp_160 (BK1), Kenrey_173 (BK1), Larnav_217 (BE1), Leo04_218 (BE1), Liandry_218 (BE1), LilMartin_217 (BE1), LilSaint_219 (BE1), Limpid_160 (BK1), Lululemon_214 (BE1), Marsus_220 (BE1), Maupel_170 (BK1), MeganTheeKilla_169 (BK1), Mildred21_227 (BE1), Moab_167 (BK1), MulchMansion_221 (BE1), Muntaha_138 (BK2), Navo_212 (BE1), NootNoot_215 (BE1), PacManQ_214 (BE1), Paradiddles_210 (BE1), Patelgo_168 (BK1), Peebs_215 (BE1), Pepperwood_218 (BE1), Persimmon_221 (BE1), Phredrick_171 (BK1), PinkiePie_218 (BE1), PynkPanther_218 (BE1), Riptide_219 (BE1), Samisti12_222 (BE1), Scheme_221 (BE1), SeresaTree_161 (BK1), Sham_159 (BK1), Shuckle_216 (BE1), SparkleGoddess_165 (BK1), Squillium_221 (BE1), Stigma_164 (BK1), Sushi23_218 (BE1), Targaryen_217 (BE1), Teutsch_217 (BE1), Tomas_230 (BE2), Tribute_214 (BE1), TunaTartare_165 (BK1), Wakanda_137 (BK2), Warpy_221 (BE1), WashU_212 (BE1), Watermoore_217 (BE1), Westy_168 (BK1), WhereRU_217 (BE1),

Start 7:
• Found in 3 of 114 (2.6%) of genes in pham
• Manual Annotations of this start: 3 of 103
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_134 (CE), Peregrin_116 (CB), Trina_156 (CE),

Start 8:
• Found in 3 of 114 (2.6%) of genes in pham
• Manual Annotations of this start: 3 of 103
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_123 (CG), Francesca_123 (CG), Nova53_123 (CG),

Summary by clusters:

There are 9 clusters represented in this pham: UNK, CB, CG, CE, FC, BK1, BK2, BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 6 was manually annotated 49 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 6 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 6 was manually annotated 24 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 6 was manually annotated 5 times for cluster BK2.

Info for manual annotations of cluster CB:
•Start number 5 was manually annotated 1 time for cluster CB.
•Start number 7 was manually annotated 1 time for cluster CB.

Info for manual annotations of cluster CE:
•Start number 7 was manually annotated 2 times for cluster CE.

Info for manual annotations of cluster CG:
•Start number 8 was manually annotated 3 times for cluster CG.

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 17 times for cluster FC.

Gene Information:

Gene: Anedea_231 Start: 110089, Stop: 112002, Start Num: 6
Candidate Starts for Anedea_231:
(Start: 6 @110089 has 79 MA's), (12, 110149), (15, 110170), (17, 110182), (25, 110275), (31, 110311), (33, 110329), (34, 110344), (39, 110428), (52, 110545), (53, 110548), (61, 110602), (62, 110608), (89, 110770), (104, 110875), (112, 110953), (118, 110986), (126, 111046), (148, 111151), (162, 111250), (181, 111343), (233, 111643), (240, 111691), (246, 111724),

Gene: Angela_220 Start: 107839, Stop: 109758, Start Num: 6
Candidate Starts for Angela_220:
(Start: 6 @107839 has 79 MA's), (12, 107899), (15, 107920), (17, 107932), (25, 108025), (39, 108178), (46, 108250), (47, 108253), (53, 108298), (63, 108367), (89, 108520), (96, 108580), (104, 108628), (115, 108721), (126, 108799), (162, 109003), (163, 109009), (175, 109051), (177, 109066), (216, 109276), (231, 109378), (233, 109399), (234, 109402), (237, 109423), (240, 109447), (246, 109480), (249, 109516), (250, 109519), (261, 109582), (286, 109693),

Gene: Annadreamy_153 Start: 83083, Stop: 85002, Start Num: 6
Candidate Starts for Annadreamy_153:
(Start: 6 @83083 has 79 MA's), (12, 83143), (17, 83176), (33, 83323), (35, 83344), (39, 83422), (53, 83542), (77, 83725), (89, 83764), (100, 83839), (102, 83848), (104, 83863), (105, 83890), (122, 84010), (145, 84127), (152, 84181), (153, 84184), (205, 84490), (209, 84514), (212, 84523), (223, 84571), (240, 84706), (278, 84925),

Gene: ArianaSWT_221 Start: 109937, Stop: 111847, Start Num: 6
Candidate Starts for ArianaSWT_221:
(Start: 6 @109937 has 79 MA's), (12, 109997), (14, 110003), (15, 110018), (17, 110030), (31, 110159), (36, 110204), (39, 110276), (47, 110351), (52, 110393), (53, 110396), (59, 110438), (89, 110618), (148, 111005), (155, 111050), (162, 111104), (182, 111200), (195, 111275), (200, 111302), (233, 111500), (240, 111548), (246, 111581), (249, 111617), (253, 111635), (274, 111734),

Gene: Artu_151 Start: 104417, Stop: 106540, Start Num: 4
Candidate Starts for Artu_151:
(Start: 4 @104417 has 17 MA's), (12, 104486), (15, 104507), (18, 104525), (30, 104633), (35, 104690), (49, 104849), (86, 105104), (89, 105146), (94, 105194), (98, 105233), (99, 105239), (101, 105254), (104, 105272), (106, 105302), (111, 105341), (164, 105713), (170, 105743), (188, 105866), (191, 105893), (248, 106256), (258, 106343), (262, 106355), (265, 106364), (277, 106451),

Gene: Atuin_154 Start: 107067, Stop: 109196, Start Num: 4
Candidate Starts for Atuin_154:

(Start: 4 @107067 has 17 MA's), (12, 107136), (15, 107157), (35, 107340), (46, 107490), (63, 107604), (89, 107796), (101, 107916), (106, 107964), (111, 108003), (125, 108093), (135, 108171), (173, 108414), (188, 108522), (214, 108675), (248, 108915), (250, 108945), (251, 108951), (263, 109017),

Gene: Bartholomune_218 Start: 108069, Stop: 109979, Start Num: 6
Candidate Starts for Bartholomune_218:
(Start: 6 @108069 has 79 MA's), (12, 108129), (15, 108150), (17, 108162), (31, 108291), (39, 108408), (41, 108435), (47, 108483), (53, 108528), (58, 108552), (59, 108570), (89, 108750), (91, 108771), (104, 108861), (108, 108909), (148, 109137), (162, 109233), (167, 109260), (200, 109431), (216, 109506), (233, 109629), (240, 109677), (246, 109710), (253, 109764), (274, 109863),

Gene: Belfort_166 Start: 89022, Stop: 90947, Start Num: 6
Candidate Starts for Belfort_166:
(Start: 6 @89022 has 79 MA's), (12, 89082), (17, 89115), (19, 89124), (33, 89262), (35, 89283), (39, 89361), (50, 89445), (52, 89478), (53, 89481), (79, 89670), (89, 89703), (100, 89778), (102, 89787), (104, 89802), (107, 89844), (114, 89892), (145, 90072), (162, 90192), (165, 90210), (192, 90360), (194, 90369), (207, 90444), (216, 90474), (223, 90510), (230, 90570), (232, 90585), (233, 90597), (240, 90645), (243, 90663), (250, 90717), (261, 90780), (285, 90894),

Gene: Beuffert_159 Start: 87172, Stop: 89091, Start Num: 6
Candidate Starts for Beuffert_159:
(Start: 6 @87172 has 79 MA's), (12, 87232), (17, 87265), (26, 87361), (33, 87412), (35, 87433), (39, 87511), (45, 87571), (53, 87631), (77, 87814), (89, 87853), (99, 87925), (102, 87937), (104, 87952), (122, 88099), (134, 88159), (139, 88195), (145, 88216), (152, 88270), (153, 88273), (159, 88312), (166, 88357), (190, 88489), (205, 88579), (209, 88603), (222, 88657), (223, 88660), (225, 88666), (240, 88795), (245, 88825),

Gene: BillNye_130 Start: 78775, Stop: 80697, Start Num: 6
Candidate Starts for BillNye_130:
(Start: 6 @78775 has 79 MA's), (12, 78835), (13, 78838), (17, 78868), (35, 79036), (38, 79108), (39, 79114), (49, 79195), (50, 79198), (53, 79234), (79, 79423), (88, 79453), (89, 79456), (90, 79465), (100, 79534), (104, 79558), (112, 79636), (116, 79657), (130, 79762), (133, 79774), (142, 79822), (150, 79873), (162, 79954), (207, 80194), (212, 80212), (234, 80350), (235, 80353), (238, 80386), (242, 80401), (252, 80476), (275, 80599), (276, 80602), (292, 80686),

Gene: Bloom_167 Start: 108314, Stop: 110467, Start Num: 4
Candidate Starts for Bloom_167:
(Start: 4 @108314 has 17 MA's), (11, 108380), (14, 108392), (15, 108401), (16, 108410), (17, 108413), (23, 108455), (35, 108581), (70, 108914), (76, 108959), (86, 108998), (89, 109034), (97, 109115), (106, 109187), (111, 109226), (113, 109238), (158, 109550), (171, 109640), (183, 109724), (185, 109745), (189, 109766), (217, 109931), (237, 110081), (243, 110126), (245, 110138), (247, 110153), (264, 110267), (278, 110354),

Gene: BlueOtter_216 Start: 108190, Stop: 110100, Start Num: 6
Candidate Starts for BlueOtter_216:
(Start: 6 @108190 has 79 MA's), (12, 108250), (14, 108256), (15, 108271), (17, 108283), (31, 108412), (36, 108457), (39, 108529), (47, 108604), (52, 108646), (53, 108649), (59, 108691), (89, 108871), (148, 109258), (155, 109303), (162, 109357), (182, 109453), (195, 109528), (200, 109555), (233, 109753), (240, 109801), (246, 109834), (249, 109870), (253, 109888), (274, 109987),

Gene: Blueeyedbeauty_161 Start: 86834, Stop: 88759, Start Num: 6
Candidate Starts for Blueeyedbeauty_161:

(Start: 6 @86834 has 79 MA's), (12, 86894), (16, 86924), (17, 86927), (33, 87074), (35, 87095), (39, 87173), (53, 87293), (77, 87476), (89, 87515), (99, 87587), (104, 87614), (122, 87761), (139, 87857), (145, 87878), (152, 87932), (153, 87935), (190, 88151), (205, 88244), (222, 88322), (223, 88325), (225, 88331), (240, 88460), (253, 88547), (272, 88637),

Gene: Bmoc_222 Start: 108285, Stop: 110207, Start Num: 6
Candidate Starts for Bmoc_222:
(Start: 6 @108285 has 79 MA's), (12, 108345), (15, 108366), (17, 108378), (25, 108471), (39, 108624), (52, 108741), (53, 108744), (89, 108966), (104, 109074), (110, 109140), (126, 109245), (162, 109449), (181, 109542), (216, 109725), (233, 109848), (239, 109890), (240, 109896), (246, 109929), (253, 109983), (261, 110031), (289, 110160),

Gene: BooTeria_151 Start: 104710, Stop: 106833, Start Num: 4
Candidate Starts for BooTeria_151:
(Start: 4 @104710 has 17 MA's), (12, 104779), (15, 104800), (18, 104818), (30, 104926), (35, 104983), (49, 105142), (86, 105397), (89, 105439), (94, 105487), (98, 105526), (99, 105532), (101, 105547), (104, 105565), (106, 105595), (111, 105634), (164, 106006), (170, 106036), (188, 106159), (191, 106186), (248, 106549), (258, 106636), (262, 106648), (265, 106657), (271, 106696), (277, 106744),

Gene: Braelyn_214 Start: 107716, Stop: 109626, Start Num: 6
Candidate Starts for Braelyn_214:
(Start: 6 @107716 has 79 MA's), (12, 107776), (15, 107797), (17, 107809), (31, 107938), (39, 108055), (41, 108082), (47, 108130), (53, 108175), (58, 108199), (59, 108217), (89, 108397), (104, 108508), (108, 108556), (148, 108784), (162, 108880), (200, 109078), (216, 109153), (233, 109276), (240, 109324), (246, 109357), (253, 109411), (274, 109510),

Gene: Cadmus_215 Start: 109022, Stop: 110929, Start Num: 6
Candidate Starts for Cadmus_215:
(Start: 6 @109022 has 79 MA's), (12, 109082), (15, 109103), (17, 109115), (25, 109208), (39, 109361), (53, 109481), (70, 109613), (71, 109634), (72, 109637), (89, 109703), (104, 109814), (115, 109907), (118, 109925), (126, 109985), (128, 109994), (142, 110057), (148, 110090), (162, 110189), (172, 110228), (175, 110237), (202, 110384), (223, 110489), (240, 110624), (249, 110693), (289, 110888),

Gene: Chaewon_136 Start: 78704, Stop: 80641, Start Num: 6
Candidate Starts for Chaewon_136:
(3, 78674), (Start: 6 @78704 has 79 MA's), (12, 78764), (13, 78767), (16, 78794), (17, 78797), (35, 78965), (39, 79043), (45, 79103), (50, 79127), (53, 79163), (55, 79172), (87, 79379), (89, 79385), (91, 79406), (100, 79463), (104, 79487), (114, 79577), (130, 79691), (142, 79751), (146, 79766), (148, 79784), (162, 79883), (221, 80186), (224, 80204), (226, 80213), (244, 80363), (252, 80417), (255, 80441), (256, 80453), (276, 80546), (292, 80630),

Gene: Chilliams_158 Start: 98159, Stop: 100267, Start Num: 4
Candidate Starts for Chilliams_158:
(Start: 4 @98159 has 17 MA's), (11, 98222), (15, 98243), (17, 98255), (35, 98423), (54, 98627), (69, 98753), (70, 98759), (73, 98786), (83, 98831), (89, 98876), (99, 98975), (106, 99038), (109, 99062), (111, 99077), (114, 99098), (127, 99182), (158, 99389), (171, 99479), (194, 99635), (208, 99719), (211, 99731), (268, 100094), (288, 100217),

Gene: Circinus_131 Start: 78743, Stop: 80665, Start Num: 6
Candidate Starts for Circinus_131:
(Start: 6 @78743 has 79 MA's), (12, 78803), (13, 78806), (17, 78836), (35, 79004), (38, 79076), (39, 79082), (49, 79163), (50, 79166), (53, 79202), (79, 79391), (88, 79421), (89, 79424), (90, 79433), (100, 79502), (104, 79526), (112, 79604), (116, 79625), (130, 79730), (133, 79742), (142, 79790), (150,

79841), (162, 79922), (207, 80162), (212, 80180), (234, 80318), (235, 80321), (238, 80354), (242, 80369), (252, 80444), (275, 80567), (276, 80570), (292, 80654),

Gene: Comrade_163 Start: 89224, Stop: 91149, Start Num: 6
Candidate Starts for Comrade_163:
(Start: 6 @89224 has 79 MA's), (12, 89284), (17, 89317), (19, 89326), (33, 89464), (35, 89485), (39, 89563), (50, 89647), (52, 89680), (53, 89683), (79, 89872), (89, 89905), (100, 89980), (102, 89989), (104, 90004), (107, 90046), (114, 90094), (145, 90274), (162, 90394), (165, 90412), (192, 90562), (194, 90571), (207, 90646), (216, 90676), (223, 90712), (230, 90772), (232, 90787), (233, 90799), (240, 90847), (243, 90865), (250, 90919), (261, 90982), (285, 91096),

Gene: Coogler_215 Start: 108615, Stop: 110525, Start Num: 6
Candidate Starts for Coogler_215:
(Start: 6 @108615 has 79 MA's), (12, 108675), (14, 108681), (15, 108696), (17, 108708), (31, 108837), (36, 108882), (39, 108954), (47, 109029), (52, 109071), (53, 109074), (59, 109116), (89, 109296), (148, 109683), (155, 109728), (162, 109782), (182, 109878), (195, 109953), (200, 109980), (233, 110178), (240, 110226), (246, 110259), (249, 110295), (253, 110313), (274, 110412),

Gene: Cross_217 Start: 108835, Stop: 110745, Start Num: 6
Candidate Starts for Cross_217:
(Start: 6 @108835 has 79 MA's), (12, 108895), (14, 108901), (15, 108916), (17, 108928), (31, 109057), (36, 109102), (39, 109174), (47, 109249), (52, 109291), (53, 109294), (59, 109336), (89, 109516), (148, 109903), (155, 109948), (162, 110002), (182, 110098), (195, 110173), (200, 110200), (233, 110398), (240, 110446), (246, 110479), (249, 110515), (253, 110533), (274, 110632),

Gene: Cursive_220 Start: 108519, Stop: 110429, Start Num: 6
Candidate Starts for Cursive_220:
(Start: 6 @108519 has 79 MA's), (12, 108579), (14, 108585), (15, 108600), (17, 108612), (31, 108741), (36, 108786), (39, 108858), (47, 108933), (52, 108975), (53, 108978), (59, 109020), (89, 109200), (148, 109587), (155, 109632), (162, 109686), (182, 109782), (195, 109857), (200, 109884), (233, 110082), (240, 110130), (246, 110163), (249, 110199), (253, 110217), (274, 110316),

Gene: Daubenski_211 Start: 108917, Stop: 110824, Start Num: 6
Candidate Starts for Daubenski_211:
(Start: 6 @108917 has 79 MA's), (12, 108977), (15, 108998), (17, 109010), (25, 109103), (39, 109256), (53, 109376), (70, 109508), (71, 109529), (72, 109532), (89, 109598), (104, 109709), (115, 109802), (118, 109820), (126, 109880), (128, 109889), (142, 109952), (148, 109985), (162, 110084), (175, 110132), (202, 110279), (240, 110519), (249, 110588), (277, 110735), (289, 110783),

Gene: Davielle_217 Start: 108114, Stop: 110024, Start Num: 6
Candidate Starts for Davielle_217:
(Start: 6 @108114 has 79 MA's), (12, 108174), (15, 108195), (17, 108207), (31, 108336), (39, 108453), (41, 108480), (47, 108528), (53, 108573), (58, 108597), (59, 108615), (89, 108795), (104, 108906), (108, 108954), (148, 109182), (162, 109278), (200, 109476), (216, 109551), (233, 109674), (240, 109722), (246, 109755), (253, 109809), (274, 109908),

Gene: DeluluLabubu_173 Start: 89872, Stop: 91797, Start Num: 6
Candidate Starts for DeluluLabubu_173:
(Start: 6 @89872 has 79 MA's), (10, 89890), (12, 89932), (17, 89965), (19, 89974), (33, 90112), (35, 90133), (39, 90211), (44, 90265), (45, 90271), (51, 90301), (53, 90331), (59, 90373), (64, 90406), (76, 90502), (79, 90520), (89, 90553), (144, 90913), (145, 90922), (162, 91042), (204, 91279), (207, 91294), (223, 91360), (233, 91447), (237, 91471), (243, 91513), (261, 91630), (282, 91738),

Gene: Dorin_123 Start: 78886, Stop: 80877, Start Num: 8
Candidate Starts for Dorin_123:
(Start: 8 @78886 has 3 MA's), (17, 78976), (18, 78982), (23, 79018), (28, 79081), (42, 79270), (53, 79342), (55, 79351), (59, 79384), (87, 79567), (88, 79570), (89, 79573), (90, 79582), (103, 79657), (126, 79837), (127, 79840), (147, 79954), (161, 80068), (197, 80251), (203, 80278), (215, 80350), (220, 80371), (223, 80395), (237, 80500), (242, 80536), (257, 80662), (277, 80770), (280, 80788), (287, 80827),

Gene: DunneganBoMo_151 Start: 103979, Stop: 106102, Start Num: 4
Candidate Starts for DunneganBoMo_151:
(Start: 4 @103979 has 17 MA's), (12, 104048), (15, 104069), (18, 104087), (30, 104195), (35, 104252), (49, 104411), (86, 104666), (89, 104708), (94, 104756), (98, 104795), (99, 104801), (101, 104816), (104, 104834), (106, 104864), (111, 104903), (164, 105275), (170, 105305), (188, 105428), (248, 105818), (258, 105905), (262, 105917), (265, 105926), (277, 106013),

Gene: EGole_221 Start: 110565, Stop: 112475, Start Num: 6
Candidate Starts for EGole_221:
(Start: 6 @110565 has 79 MA's), (12, 110625), (14, 110631), (15, 110646), (17, 110658), (31, 110787), (36, 110832), (39, 110904), (47, 110979), (52, 111021), (53, 111024), (59, 111066), (89, 111246), (148, 111633), (155, 111678), (162, 111732), (182, 111828), (195, 111903), (200, 111930), (233, 112128), (240, 112176), (246, 112209), (249, 112245), (253, 112263),

Gene: Eliot67_220 Start: 107885, Stop: 109795, Start Num: 6
Candidate Starts for Eliot67_220:
(Start: 6 @107885 has 79 MA's), (12, 107945), (15, 107966), (17, 107978), (31, 108107), (39, 108224), (41, 108251), (47, 108299), (53, 108344), (58, 108368), (59, 108386), (89, 108566), (108, 108725), (148, 108953), (162, 109049), (200, 109247), (216, 109322), (233, 109445), (240, 109493), (246, 109526), (253, 109580), (274, 109679),

Gene: Ellewin_151 Start: 104083, Stop: 106206, Start Num: 4
Candidate Starts for Ellewin_151:
(Start: 4 @104083 has 17 MA's), (12, 104152), (15, 104173), (18, 104191), (30, 104299), (35, 104356), (86, 104770), (89, 104812), (94, 104860), (98, 104899), (99, 104905), (101, 104920), (104, 104938), (106, 104968), (111, 105007), (164, 105379), (170, 105409), (188, 105532), (248, 105922), (258, 106009), (262, 106021), (265, 106030), (277, 106117),

Gene: Emma1919_170 Start: 87931, Stop: 89856, Start Num: 6
Candidate Starts for Emma1919_170:
(Start: 6 @87931 has 79 MA's), (10, 87949), (12, 87991), (17, 88024), (19, 88033), (33, 88171), (35, 88192), (39, 88270), (44, 88324), (45, 88330), (51, 88360), (53, 88390), (59, 88432), (64, 88465), (76, 88561), (79, 88579), (89, 88612), (144, 88972), (145, 88981), (162, 89101), (204, 89338), (207, 89353), (223, 89419), (233, 89506), (243, 89572), (261, 89689), (282, 89797),

Gene: Emmetator_154 Start: 104292, Stop: 106415, Start Num: 4
Candidate Starts for Emmetator_154:
(Start: 4 @104292 has 17 MA's), (12, 104361), (15, 104382), (18, 104400), (30, 104508), (35, 104565), (49, 104724), (86, 104979), (89, 105021), (94, 105069), (98, 105108), (99, 105114), (101, 105129), (104, 105147), (106, 105177), (111, 105216), (164, 105588), (170, 105618), (188, 105741), (219, 105912), (248, 106131), (258, 106218), (262, 106230), (265, 106239), (277, 106326),

Gene: Evy_208 Start: 109007, Stop: 110920, Start Num: 6
Candidate Starts for Evy_208:

(Start: 6 @109007 has 79 MA's), (12, 109067), (15, 109088), (17, 109100), (25, 109193), (31, 109229), (39, 109346), (41, 109373), (47, 109421), (52, 109463), (53, 109466), (59, 109508), (89, 109688), (91, 109709), (104, 109799), (108, 109847), (142, 110042), (148, 110075), (162, 110174), (167, 110201), (195, 110345), (200, 110372), (233, 110570), (240, 110618), (246, 110651), (253, 110705), (274, 110804),

Gene: Faust_159 Start: 88402, Stop: 90324, Start Num: 6
Candidate Starts for Faust_159:
(Start: 6 @88402 has 79 MA's), (12, 88462), (17, 88495), (35, 88663), (37, 88687), (39, 88741), (45, 88801), (51, 88831), (53, 88861), (77, 89044), (89, 89083), (104, 89182), (105, 89209), (141, 89434), (155, 89512), (228, 89923), (236, 89986), (240, 90022), (241, 90025), (242, 90028), (251, 90100), (264, 90166), (290, 90298),

Gene: FloraSnap32_158 Start: 106726, Stop: 108882, Start Num: 4
Candidate Starts for FloraSnap32_158:
(Start: 4 @106726 has 17 MA's), (11, 106792), (12, 106798), (15, 106819), (17, 106831), (19, 106840), (35, 106999), (76, 107377), (86, 107416), (89, 107452), (97, 107533), (106, 107605), (111, 107644), (113, 107656), (158, 107968), (171, 108058), (183, 108142), (185, 108163), (217, 108349), (228, 108421), (237, 108496), (243, 108541), (245, 108553), (247, 108568), (264, 108682), (278, 108769),

Gene: Forrest_172 Start: 89523, Stop: 91448, Start Num: 6
Candidate Starts for Forrest_172:
(Start: 6 @89523 has 79 MA's), (10, 89541), (12, 89583), (17, 89616), (19, 89625), (33, 89763), (35, 89784), (39, 89862), (44, 89916), (45, 89922), (51, 89952), (53, 89982), (59, 90024), (64, 90057), (76, 90153), (79, 90171), (89, 90204), (144, 90564), (145, 90573), (162, 90693), (204, 90930), (207, 90945), (223, 91011), (233, 91098), (243, 91164), (261, 91281), (282, 91389),

Gene: Francesca_123 Start: 79801, Stop: 81792, Start Num: 8
Candidate Starts for Francesca_123:
(Start: 8 @79801 has 3 MA's), (17, 79891), (18, 79897), (23, 79933), (28, 79996), (42, 80185), (53, 80257), (55, 80266), (59, 80299), (87, 80482), (88, 80485), (89, 80488), (90, 80497), (103, 80572), (126, 80752), (138, 80815), (147, 80869), (161, 80983), (197, 81166), (203, 81193), (215, 81265), (220, 81286), (223, 81310), (237, 81415), (242, 81451), (257, 81577), (277, 81685), (280, 81703), (287, 81742),

Gene: Francob_168 Start: 88436, Stop: 90361, Start Num: 6
Candidate Starts for Francob_168:
(Start: 6 @88436 has 79 MA's), (10, 88454), (12, 88496), (17, 88529), (19, 88538), (35, 88697), (39, 88775), (50, 88859), (53, 88895), (78, 89081), (79, 89084), (89, 89117), (121, 89360), (135, 89447), (137, 89453), (145, 89486), (162, 89606), (207, 89858), (223, 89924), (233, 90011), (243, 90077), (249, 90128), (261, 90194), (282, 90302),

Gene: FreddyDRoo_219 Start: 107885, Stop: 109795, Start Num: 6
Candidate Starts for FreddyDRoo_219:
(Start: 6 @107885 has 79 MA's), (12, 107945), (15, 107966), (17, 107978), (31, 108107), (39, 108224), (41, 108251), (47, 108299), (53, 108344), (58, 108368), (59, 108386), (89, 108566), (108, 108725), (148, 108953), (162, 109049), (200, 109247), (216, 109322), (233, 109445), (240, 109493), (246, 109526), (253, 109580), (274, 109679),

Gene: FrostedClock_164 Start: 108881, Stop: 111034, Start Num: 4
Candidate Starts for FrostedClock_164:
(Start: 4 @108881 has 17 MA's), (11, 108947), (14, 108959), (15, 108968), (16, 108977), (17, 108980), (35, 109148), (40, 109235), (70, 109481), (76, 109526), (86, 109565), (89, 109601), (97, 109682),

(106, 109754), (111, 109793), (113, 109805), (158, 110117), (171, 110207), (183, 110291), (185, 110312), (189, 110333), (217, 110498), (237, 110648), (243, 110693), (245, 110705), (247, 110720), (264, 110834), (278, 110921),

Gene: Gilson_169 Start: 87893, Stop: 89818, Start Num: 6
Candidate Starts for Gilson_169:
(Start: 6 @87893 has 79 MA's), (10, 87911), (12, 87953), (17, 87986), (19, 87995), (33, 88133), (35, 88154), (39, 88232), (44, 88286), (45, 88292), (51, 88322), (53, 88352), (59, 88394), (64, 88427), (76, 88523), (79, 88541), (89, 88574), (144, 88934), (145, 88943), (162, 89063), (204, 89300), (207, 89315), (223, 89381), (233, 89468), (243, 89534), (261, 89651), (282, 89759),

Gene: GoldenEssence_149 Start: 101730, Stop: 103883, Start Num: 4
Candidate Starts for GoldenEssence_149:
(Start: 4 @101730 has 17 MA's), (11, 101796), (14, 101808), (15, 101817), (16, 101826), (17, 101829), (35, 101997), (76, 102375), (89, 102450), (97, 102531), (106, 102603), (111, 102642), (113, 102654), (158, 102966), (171, 103056), (185, 103161), (189, 103182), (217, 103347), (226, 103395), (237, 103497), (243, 103542), (245, 103554), (247, 103569), (264, 103683), (278, 103770),

Gene: HangryHippo_216 Start: 108190, Stop: 110100, Start Num: 6
Candidate Starts for HangryHippo_216:
(Start: 6 @108190 has 79 MA's), (12, 108250), (14, 108256), (15, 108271), (17, 108283), (31, 108412), (36, 108457), (39, 108529), (47, 108604), (52, 108646), (53, 108649), (59, 108691), (89, 108871), (148, 109258), (155, 109303), (162, 109357), (182, 109453), (195, 109528), (200, 109555), (233, 109753), (240, 109801), (246, 109834), (249, 109870), (253, 109888), (274, 109987),

Gene: Jada_169 Start: 88219, Stop: 90144, Start Num: 6
Candidate Starts for Jada_169:
(Start: 6 @88219 has 79 MA's), (10, 88237), (12, 88279), (17, 88312), (19, 88321), (33, 88459), (35, 88480), (39, 88558), (44, 88612), (45, 88618), (51, 88648), (53, 88678), (59, 88720), (64, 88753), (76, 88849), (79, 88867), (89, 88900), (144, 89260), (145, 89269), (162, 89389), (204, 89626), (207, 89641), (223, 89707), (243, 89860), (261, 89977), (282, 90085),

Gene: Jay2Jay_223 Start: 109162, Stop: 111075, Start Num: 6
Candidate Starts for Jay2Jay_223:
(Start: 6 @109162 has 79 MA's), (12, 109222), (15, 109243), (17, 109255), (25, 109348), (31, 109384), (39, 109501), (41, 109528), (47, 109576), (52, 109618), (53, 109621), (59, 109663), (89, 109843), (91, 109864), (104, 109954), (108, 110002), (142, 110197), (148, 110230), (162, 110329), (167, 110356), (195, 110500), (200, 110527), (216, 110602), (233, 110725), (240, 110773), (246, 110806), (253, 110860), (274, 110959),

Gene: KSunshine22_156 Start: 105042, Stop: 107165, Start Num: 4
Candidate Starts for KSunshine22_156:
(Start: 4 @105042 has 17 MA's), (12, 105111), (15, 105132), (18, 105150), (29, 105255), (35, 105315), (89, 105771), (94, 105819), (98, 105858), (99, 105864), (101, 105879), (104, 105897), (106, 105927), (111, 105966), (164, 106338), (170, 106368), (188, 106491), (191, 106518), (248, 106881), (258, 106968), (262, 106980), (265, 106989), (277, 107076),

Gene: Karp_160 Start: 88448, Stop: 90373, Start Num: 6
Candidate Starts for Karp_160:
(Start: 6 @88448 has 79 MA's), (12, 88508), (17, 88541), (19, 88550), (35, 88709), (39, 88787), (50, 88871), (52, 88904), (53, 88907), (79, 89096), (89, 89129), (100, 89204), (102, 89213), (104, 89228), (107, 89270), (114, 89318), (145, 89498), (162, 89618), (165, 89636), (192, 89786), (194, 89795), (207, 89870), (216, 89900), (223, 89936), (230, 89996), (232, 90011), (233, 90023), (240, 90071),

(243, 90089), (250, 90143), (261, 90206), (285, 90320),

Gene: Kenrey_173 Start: 89234, Stop: 91159, Start Num: 6
Candidate Starts for Kenrey_173:
(Start: 6 @89234 has 79 MA's), (10, 89252), (12, 89294), (17, 89327), (19, 89336), (33, 89474), (35, 89495), (39, 89573), (51, 89663), (53, 89693), (59, 89735), (64, 89768), (76, 89864), (79, 89882), (89, 89915), (90, 89924), (133, 90224), (145, 90284), (162, 90404), (207, 90656), (223, 90722), (233, 90809), (243, 90875), (261, 90992), (282, 91100), (285, 91106),

Gene: Larnav_217 Start: 108684, Stop: 110594, Start Num: 6
Candidate Starts for Larnav_217:
(Start: 6 @108684 has 79 MA's), (12, 108744), (14, 108750), (15, 108765), (17, 108777), (31, 108906), (36, 108951), (39, 109023), (47, 109098), (52, 109140), (53, 109143), (59, 109185), (89, 109365), (148, 109752), (155, 109797), (162, 109851), (182, 109947), (195, 110022), (200, 110049), (233, 110247), (240, 110295), (246, 110328), (249, 110364), (253, 110382), (274, 110481),

Gene: Laure_165 Start: 99734, Stop: 101857, Start Num: 4
Candidate Starts for Laure_165:
(Start: 4 @99734 has 17 MA's), (11, 99797), (15, 99818), (17, 99830), (22, 99866), (32, 99968), (35, 99998), (70, 100331), (80, 100397), (89, 100445), (93, 100502), (99, 100535), (106, 100598), (113, 100649), (158, 100970), (169, 101048), (189, 101180), (191, 101204), (212, 101315), (219, 101339), (223, 101363), (226, 101375), (228, 101402), (237, 101477), (245, 101534), (278, 101756), (289, 101807),

Gene: Leo04_218 Start: 109216, Stop: 111126, Start Num: 6
Candidate Starts for Leo04_218:
(Start: 6 @109216 has 79 MA's), (12, 109276), (14, 109282), (15, 109297), (17, 109309), (31, 109438), (36, 109483), (39, 109555), (47, 109630), (52, 109672), (53, 109675), (59, 109717), (89, 109897), (148, 110284), (155, 110329), (162, 110383), (182, 110479), (195, 110554), (200, 110581), (233, 110779), (240, 110827), (246, 110860), (249, 110896), (253, 110914), (274, 111013),

Gene: LeoJr_164 Start: 107675, Stop: 109804, Start Num: 4
Candidate Starts for LeoJr_164:
(Start: 4 @107675 has 17 MA's), (12, 107744), (15, 107765), (35, 107948), (46, 108098), (89, 108404), (101, 108524), (106, 108572), (111, 108611), (125, 108701), (135, 108779), (173, 109022), (184, 109103), (188, 109130), (248, 109523), (250, 109553), (251, 109559), (263, 109625),

Gene: Liandry_218 Start: 108592, Stop: 110502, Start Num: 6
Candidate Starts for Liandry_218:
(Start: 6 @108592 has 79 MA's), (12, 108652), (15, 108673), (17, 108685), (31, 108814), (39, 108931), (41, 108958), (47, 109006), (53, 109051), (58, 109075), (59, 109093), (89, 109273), (108, 109432), (148, 109660), (162, 109756), (200, 109954), (216, 110029), (233, 110152), (240, 110200), (246, 110233), (253, 110287), (274, 110386),

Gene: LilMartin_217 Start: 107203, Stop: 109122, Start Num: 6
Candidate Starts for LilMartin_217:
(Start: 6 @107203 has 79 MA's), (12, 107263), (15, 107284), (17, 107296), (25, 107389), (39, 107542), (46, 107614), (47, 107617), (53, 107662), (63, 107731), (89, 107884), (96, 107944), (104, 107992), (115, 108085), (126, 108163), (162, 108367), (163, 108373), (175, 108415), (177, 108430), (216, 108640), (231, 108742), (233, 108763), (234, 108766), (237, 108787), (240, 108811), (246, 108844), (249, 108880), (250, 108883), (261, 108946), (286, 109057),

Gene: LilSaint_219 Start: 108461, Stop: 110374, Start Num: 6

Candidate Starts for LilSaint_219:
(Start: 6 @108461 has 79 MA's), (12, 108521), (15, 108542), (17, 108554), (25, 108647), (31, 108683), (33, 108701), (34, 108716), (39, 108800), (52, 108917), (53, 108920), (61, 108974), (62, 108980), (89, 109142), (104, 109247), (112, 109325), (118, 109358), (126, 109418), (148, 109523), (162, 109622), (181, 109715), (233, 110015), (240, 110063), (246, 110096),

Gene: Limpid_160 Start: 88396, Stop: 90315, Start Num: 6
Candidate Starts for Limpid_160:
(Start: 6 @88396 has 79 MA's), (12, 88456), (17, 88489), (33, 88636), (35, 88657), (39, 88735), (53, 88855), (77, 89038), (89, 89077), (100, 89152), (102, 89161), (104, 89176), (105, 89203), (122, 89323), (145, 89440), (152, 89494), (153, 89497), (205, 89803), (209, 89827), (212, 89836), (223, 89884), (240, 90019), (278, 90238),

Gene: Lululemon_214 Start: 107571, Stop: 109481, Start Num: 6
Candidate Starts for Lululemon_214:
(Start: 6 @107571 has 79 MA's), (12, 107631), (14, 107637), (15, 107652), (17, 107664), (31, 107793), (36, 107838), (39, 107910), (47, 107985), (52, 108027), (53, 108030), (59, 108072), (89, 108252), (148, 108639), (155, 108684), (162, 108738), (182, 108834), (195, 108909), (200, 108936), (233, 109134), (240, 109182), (246, 109215), (249, 109251), (253, 109269), (274, 109368),

Gene: Marsus_220 Start: 108868, Stop: 110787, Start Num: 6
Candidate Starts for Marsus_220:
(Start: 6 @108868 has 79 MA's), (12, 108928), (15, 108949), (17, 108961), (25, 109054), (39, 109207), (41, 109234), (46, 109279), (53, 109327), (63, 109396), (89, 109549), (96, 109609), (104, 109657), (110, 109723), (115, 109750), (126, 109828), (162, 110032), (175, 110080), (177, 110095), (216, 110305), (231, 110407), (233, 110428), (234, 110431), (237, 110452), (240, 110476), (246, 110509), (249, 110545), (250, 110548), (261, 110611),

Gene: Maupel_170 Start: 87893, Stop: 89818, Start Num: 6
Candidate Starts for Maupel_170:
(Start: 6 @87893 has 79 MA's), (10, 87911), (12, 87953), (17, 87986), (19, 87995), (33, 88133), (35, 88154), (39, 88232), (44, 88286), (45, 88292), (51, 88322), (53, 88352), (59, 88394), (64, 88427), (76, 88523), (79, 88541), (89, 88574), (144, 88934), (145, 88943), (162, 89063), (204, 89300), (207, 89315), (223, 89381), (233, 89468), (243, 89534), (261, 89651), (282, 89759),

Gene: MeganTheeKilla_169 Start: 87962, Stop: 89887, Start Num: 6
Candidate Starts for MeganTheeKilla_169:
(Start: 6 @87962 has 79 MA's), (10, 87980), (12, 88022), (17, 88055), (19, 88064), (33, 88202), (35, 88223), (39, 88301), (44, 88355), (45, 88361), (51, 88391), (53, 88421), (59, 88463), (64, 88496), (76, 88592), (79, 88610), (89, 88643), (144, 89003), (145, 89012), (162, 89132), (204, 89369), (207, 89384), (223, 89450), (233, 89537), (237, 89561), (243, 89603), (261, 89720), (282, 89828),

Gene: Mildred21_227 Start: 106964, Stop: 108877, Start Num: 6
Candidate Starts for Mildred21_227:
(Start: 6 @106964 has 79 MA's), (12, 107024), (15, 107045), (17, 107057), (25, 107150), (39, 107303), (45, 107363), (53, 107423), (59, 107465), (63, 107492), (87, 107639), (89, 107645), (110, 107819), (115, 107846), (126, 107924), (131, 107939), (142, 107996), (162, 108128), (177, 108191), (201, 108329), (216, 108401), (223, 108437), (233, 108524), (239, 108566), (240, 108572), (246, 108605), (253, 108659), (261, 108707),

Gene: Mimi_164 Start: 107939, Stop: 110092, Start Num: 4
Candidate Starts for Mimi_164:

(Start: 4 @107939 has 17 MA's), (11, 108005), (14, 108017), (15, 108026), (16, 108035), (17, 108038), (35, 108206), (40, 108293), (70, 108539), (76, 108584), (86, 108623), (89, 108659), (97, 108740), (106, 108812), (111, 108851), (113, 108863), (158, 109175), (171, 109265), (183, 109349), (185, 109370), (189, 109391), (217, 109556), (237, 109706), (243, 109751), (245, 109763), (247, 109778), (264, 109892), (278, 109979),

Gene: Moab_167 Start: 90438, Stop: 92363, Start Num: 6
Candidate Starts for Moab_167:
(Start: 6 @90438 has 79 MA's), (10, 90456), (12, 90498), (17, 90531), (19, 90540), (31, 90660), (35, 90699), (39, 90777), (43, 90828), (52, 90894), (53, 90897), (60, 90948), (78, 91083), (79, 91086), (89, 91119), (145, 91488), (150, 91527), (162, 91608), (174, 91653), (192, 91776), (198, 91803), (207, 91860), (223, 91926), (233, 92013), (249, 92130), (261, 92196), (282, 92304),

Gene: MulchMansion_221 Start: 108837, Stop: 110756, Start Num: 6
Candidate Starts for MulchMansion_221:
(Start: 6 @108837 has 79 MA's), (12, 108897), (15, 108918), (17, 108930), (25, 109023), (39, 109176), (46, 109248), (47, 109251), (53, 109296), (63, 109365), (89, 109518), (96, 109578), (104, 109626), (115, 109719), (126, 109797), (162, 110001), (163, 110007), (175, 110049), (177, 110064), (216, 110274), (231, 110376), (233, 110397), (234, 110400), (237, 110421), (240, 110445), (246, 110478), (249, 110514), (250, 110517), (261, 110580), (286, 110691),

Gene: Muntaha_138 Start: 77693, Stop: 79627, Start Num: 6
Candidate Starts for Muntaha_138:
(Start: 6 @77693 has 79 MA's), (9, 77708), (12, 77753), (13, 77756), (17, 77786), (35, 77954), (38, 78026), (39, 78032), (49, 78113), (50, 78116), (53, 78152), (70, 78284), (77, 78335), (89, 78374), (100, 78455), (114, 78569), (140, 78740), (142, 78743), (162, 78875), (186, 79010), (194, 79055), (212, 79139), (218, 79160), (221, 79172), (283, 79574), (292, 79616),

Gene: Navo_212 Start: 106920, Stop: 108830, Start Num: 6
Candidate Starts for Navo_212:
(Start: 6 @106920 has 79 MA's), (12, 106980), (15, 107001), (17, 107013), (31, 107142), (39, 107259), (41, 107286), (47, 107334), (53, 107379), (58, 107403), (59, 107421), (89, 107601), (91, 107622), (104, 107712), (108, 107760), (148, 107988), (162, 108084), (167, 108111), (200, 108282), (216, 108357), (233, 108480), (240, 108528), (246, 108561), (253, 108615), (274, 108714),

Gene: NiceHouse_134 Start: 86082, Stop: 88034, Start Num: 7
Candidate Starts for NiceHouse_134:
(Start: 7 @86082 has 3 MA's), (14, 86148), (17, 86175), (24, 86244), (31, 86304), (35, 86343), (39, 86421), (43, 86472), (48, 86499), (57, 86562), (66, 86634), (68, 86655), (89, 86769), (92, 86802), (103, 86838), (106, 86877), (110, 86913), (117, 86949), (118, 86958), (120, 86982), (124, 87003), (132, 87036), (137, 87063), (139, 87075), (156, 87174), (164, 87234), (199, 87426), (202, 87438), (210, 87480), (229, 87573), (251, 87744), (260, 87798), (266, 87813),

Gene: NootNoot_215 Start: 107437, Stop: 109347, Start Num: 6
Candidate Starts for NootNoot_215:
(Start: 6 @107437 has 79 MA's), (12, 107497), (15, 107518), (17, 107530), (31, 107659), (39, 107776), (41, 107803), (47, 107851), (53, 107896), (58, 107920), (59, 107938), (89, 108118), (104, 108229), (108, 108277), (148, 108505), (162, 108601), (200, 108799), (216, 108874), (233, 108997), (240, 109045), (246, 109078), (253, 109132), (274, 109231),

Gene: Nova53_123 Start: 80323, Stop: 82371, Start Num: 8
Candidate Starts for Nova53_123:

(Start: 8 @80323 has 3 MA's), (17, 80413), (18, 80419), (23, 80455), (27, 80512), (28, 80518), (33, 80560), (53, 80779), (67, 80875), (72, 80935), (89, 81016), (102, 81091), (103, 81097), (105, 81133), (123, 81259), (154, 81442), (169, 81553), (178, 81592), (181, 81622), (195, 81709), (219, 81838), (237, 81976), (245, 82036), (254, 82114), (267, 82168), (277, 82258), (287, 82321),

Gene: PacManQ_214 Start: 107571, Stop: 109481, Start Num: 6
Candidate Starts for PacManQ_214:
(Start: 6 @107571 has 79 MA's), (12, 107631), (14, 107637), (15, 107652), (17, 107664), (31, 107793), (36, 107838), (39, 107910), (47, 107985), (52, 108027), (53, 108030), (59, 108072), (89, 108252), (148, 108639), (155, 108684), (162, 108738), (182, 108834), (195, 108909), (200, 108936), (233, 109134), (240, 109182), (246, 109215), (249, 109251), (253, 109269), (274, 109368),

Gene: Panchaali_153 Start: 104800, Stop: 106908, Start Num: 4
Candidate Starts for Panchaali_153:
(Start: 4 @104800 has 17 MA's), (12, 104863), (15, 104884), (17, 104896), (18, 104902), (21, 104929), (35, 105064), (45, 105202), (54, 105265), (70, 105391), (75, 105433), (89, 105517), (157, 106012), (173, 106120), (189, 106231), (219, 106399), (230, 106486), (237, 106540), (248, 106618), (251, 106654), (258, 106705), (277, 106822),

Gene: Paradiddles_210 Start: 109812, Stop: 111722, Start Num: 6
Candidate Starts for Paradiddles_210:
(Start: 6 @109812 has 79 MA's), (12, 109872), (15, 109893), (17, 109905), (31, 110034), (39, 110151), (41, 110178), (47, 110226), (53, 110271), (58, 110295), (59, 110313), (89, 110493), (104, 110604), (108, 110652), (148, 110880), (162, 110976), (200, 111174), (216, 111249), (233, 111372), (240, 111420), (246, 111453), (253, 111507), (274, 111606),

Gene: Patbob_160 Start: 108444, Stop: 110597, Start Num: 4
Candidate Starts for Patbob_160:
(Start: 4 @108444 has 17 MA's), (11, 108510), (14, 108522), (15, 108531), (16, 108540), (17, 108543), (35, 108711), (76, 109089), (89, 109164), (97, 109245), (106, 109317), (111, 109356), (113, 109368), (158, 109680), (171, 109770), (185, 109875), (189, 109896), (217, 110061), (226, 110109), (237, 110211), (243, 110256), (245, 110268), (264, 110397), (278, 110484),

Gene: Patelgo_168 Start: 90916, Stop: 92841, Start Num: 6
Candidate Starts for Patelgo_168:
(Start: 6 @90916 has 79 MA's), (10, 90934), (12, 90976), (17, 91009), (19, 91018), (31, 91138), (35, 91177), (39, 91255), (43, 91306), (52, 91372), (53, 91375), (60, 91426), (78, 91561), (79, 91564), (89, 91597), (145, 91966), (150, 92005), (162, 92086), (174, 92131), (192, 92254), (198, 92281), (207, 92338), (223, 92404), (233, 92491), (249, 92608), (261, 92674), (282, 92782),

Gene: Peebs_215 Start: 108655, Stop: 110565, Start Num: 6
Candidate Starts for Peebs_215:
(Start: 6 @108655 has 79 MA's), (12, 108715), (14, 108721), (15, 108736), (17, 108748), (31, 108877), (36, 108922), (39, 108994), (47, 109069), (52, 109111), (53, 109114), (59, 109156), (89, 109336), (148, 109723), (155, 109768), (162, 109822), (182, 109918), (195, 109993), (200, 110020), (233, 110218), (240, 110266), (246, 110299), (249, 110335), (253, 110353), (274, 110452),

Gene: Pepperwood_218 Start: 108887, Stop: 110797, Start Num: 6
Candidate Starts for Pepperwood_218:
(Start: 6 @108887 has 79 MA's), (12, 108947), (14, 108953), (15, 108968), (17, 108980), (31, 109109), (36, 109154), (39, 109226), (47, 109301), (52, 109343), (53, 109346), (59, 109388), (89, 109568), (148, 109955), (155, 110000), (162, 110054), (182, 110150), (195, 110225), (200, 110252), (233, 110450), (240, 110498), (246, 110531), (249, 110567), (253, 110585), (274, 110684),

Gene: Peregrin_116 Start: 72417, Stop: 74381, Start Num: 7
Candidate Starts for Peregrin_116:
(Start: 7 @72417 has 3 MA's), (10, 72435), (12, 72477), (17, 72510), (19, 72519), (28, 72615), (35, 72678), (49, 72837), (53, 72876), (82, 73080), (89, 73116), (90, 73125), (103, 73197), (106, 73236), (115, 73299), (181, 73689), (233, 73974), (237, 73998), (240, 74028), (287, 74325),

Gene: Persimmon_221 Start: 107938, Stop: 109848, Start Num: 6
Candidate Starts for Persimmon_221:
(Start: 6 @107938 has 79 MA's), (12, 107998), (15, 108019), (17, 108031), (31, 108160), (39, 108277), (41, 108304), (47, 108352), (53, 108397), (58, 108421), (59, 108439), (89, 108619), (104, 108730), (108, 108778), (148, 109006), (162, 109102), (200, 109300), (216, 109375), (233, 109498), (240, 109546), (246, 109579), (253, 109633), (274, 109732),

Gene: Phrampa_154 Start: 109514, Stop: 111667, Start Num: 4
Candidate Starts for Phrampa_154:
(2, 109493), (Start: 4 @109514 has 17 MA's), (12, 109586), (15, 109607), (17, 109619), (19, 109628), (35, 109787), (45, 109925), (74, 110156), (89, 110237), (97, 110318), (106, 110390), (111, 110429), (113, 110441), (158, 110753), (171, 110843), (185, 110948), (189, 110969), (206, 111080), (216, 111131), (237, 111281), (243, 111326), (245, 111338), (278, 111554),

Gene: Phredrick_171 Start: 87858, Stop: 89783, Start Num: 6
Candidate Starts for Phredrick_171:
(Start: 6 @87858 has 79 MA's), (10, 87876), (12, 87918), (17, 87951), (19, 87960), (33, 88098), (35, 88119), (39, 88197), (51, 88287), (53, 88317), (59, 88359), (64, 88392), (76, 88488), (79, 88506), (89, 88539), (133, 88848), (145, 88908), (162, 89028), (207, 89280), (223, 89346), (233, 89433), (243, 89499), (261, 89616), (282, 89724), (285, 89730),

Gene: PinkiePie_218 Start: 108592, Stop: 110502, Start Num: 6
Candidate Starts for PinkiePie_218:
(Start: 6 @108592 has 79 MA's), (12, 108652), (15, 108673), (17, 108685), (31, 108814), (39, 108931), (41, 108958), (47, 109006), (53, 109051), (58, 109075), (59, 109093), (89, 109273), (108, 109432), (148, 109660), (162, 109756), (200, 109954), (216, 110029), (233, 110152), (240, 110200), (246, 110233), (253, 110287), (274, 110386),

Gene: PynkPanther_218 Start: 108790, Stop: 110700, Start Num: 6
Candidate Starts for PynkPanther_218:
(Start: 6 @108790 has 79 MA's), (12, 108850), (15, 108871), (17, 108883), (31, 109012), (39, 109129), (47, 109204), (53, 109249), (58, 109273), (59, 109291), (89, 109471), (108, 109630), (148, 109858), (162, 109954), (200, 110152), (216, 110227), (233, 110350), (240, 110398), (246, 110431), (253, 110485), (274, 110584),

Gene: Racecar_165 Start: 108905, Stop: 111058, Start Num: 4
Candidate Starts for Racecar_165:
(Start: 4 @108905 has 17 MA's), (11, 108971), (14, 108983), (15, 108992), (16, 109001), (17, 109004), (35, 109172), (70, 109505), (76, 109550), (86, 109589), (89, 109625), (97, 109706), (106, 109778), (111, 109817), (113, 109829), (158, 110141), (171, 110231), (183, 110315), (185, 110336), (189, 110357), (217, 110522), (226, 110570), (237, 110672), (243, 110717), (245, 110729), (247, 110744), (264, 110858), (278, 110945),

Gene: ReginaGlobina_167 Start: 108949, Stop: 111078, Start Num: 4
Candidate Starts for ReginaGlobina_167:

(Start: 4 @108949 has 17 MA's), (12, 109018), (15, 109039), (35, 109222), (46, 109372), (89, 109678), (101, 109798), (106, 109846), (111, 109885), (125, 109975), (135, 110053), (173, 110296), (184, 110377), (188, 110404), (191, 110431), (214, 110557), (248, 110797), (250, 110827), (251, 110833), (263, 110899),

Gene: Riptide_219 Start: 107619, Stop: 109532, Start Num: 6
Candidate Starts for Riptide_219:
(Start: 6 @107619 has 79 MA's), (12, 107679), (15, 107700), (17, 107712), (25, 107805), (31, 107841), (33, 107859), (34, 107874), (39, 107958), (52, 108075), (53, 108078), (61, 108132), (62, 108138), (89, 108300), (104, 108405), (112, 108483), (118, 108516), (126, 108576), (148, 108681), (162, 108780), (181, 108873), (233, 109173), (240, 109221), (246, 109254),

Gene: Rockabye_162 Start: 99732, Stop: 101843, Start Num: 4
Candidate Starts for Rockabye_162:
(Start: 4 @99732 has 17 MA's), (11, 99795), (15, 99816), (17, 99828), (22, 99864), (35, 99996), (70, 100332), (73, 100359), (84, 100407), (89, 100449), (99, 100548), (106, 100611), (109, 100635), (111, 100650), (114, 100671), (158, 100965), (161, 100998), (171, 101055), (208, 101295), (248, 101553), (268, 101670), (273, 101709), (288, 101793),

Gene: SJReid_166 Start: 98757, Stop: 100865, Start Num: 4
Candidate Starts for SJReid_166:
(Start: 4 @98757 has 17 MA's), (11, 98820), (15, 98841), (17, 98853), (35, 99021), (65, 99306), (69, 99351), (87, 99468), (89, 99474), (99, 99564), (111, 99666), (114, 99687), (119, 99711), (126, 99768), (128, 99777), (161, 100014), (171, 100071), (208, 100311), (218, 100347), (227, 100404), (248, 100569), (250, 100599), (291, 100824),

Gene: Samisti12_222 Start: 110481, Stop: 112391, Start Num: 6
Candidate Starts for Samisti12_222:
(Start: 6 @110481 has 79 MA's), (12, 110541), (14, 110547), (15, 110562), (17, 110574), (31, 110703), (36, 110748), (39, 110820), (47, 110895), (52, 110937), (53, 110940), (59, 110982), (89, 111162), (110, 111339), (148, 111549), (155, 111594), (162, 111648), (182, 111744), (195, 111819), (200, 111846), (233, 112044), (240, 112092), (246, 112125), (249, 112161), (253, 112179), (274, 112278),

Gene: Scheme_221 Start: 110126, Stop: 112036, Start Num: 6
Candidate Starts for Scheme_221:
(Start: 6 @110126 has 79 MA's), (12, 110186), (14, 110192), (15, 110207), (17, 110219), (31, 110348), (36, 110393), (39, 110465), (47, 110540), (52, 110582), (53, 110585), (59, 110627), (89, 110807), (148, 111194), (155, 111239), (162, 111293), (182, 111389), (195, 111464), (200, 111491), (233, 111689), (240, 111737), (246, 111770), (249, 111806), (253, 111824), (274, 111923),

Gene: SeresaTree_161 Start: 87784, Stop: 89706, Start Num: 6
Candidate Starts for SeresaTree_161:
(Start: 6 @87784 has 79 MA's), (12, 87844), (17, 87877), (35, 88045), (37, 88069), (39, 88123), (45, 88183), (51, 88213), (53, 88243), (77, 88426), (89, 88465), (104, 88564), (105, 88591), (141, 88816), (155, 88894), (228, 89305), (236, 89368), (240, 89404), (241, 89407), (242, 89410), (251, 89482), (264, 89548), (290, 89680),

Gene: Sham_159 Start: 89384, Stop: 91306, Start Num: 6
Candidate Starts for Sham_159:
(Start: 6 @89384 has 79 MA's), (11, 89438), (12, 89444), (17, 89477), (35, 89645), (37, 89669), (39, 89723), (53, 89843), (56, 89861), (77, 90026), (85, 90044), (89, 90065), (99, 90137), (105, 90191), (141, 90419), (155, 90497), (209, 90815), (228, 90908), (236, 90971), (239, 91001), (240, 91007), (241, 91010), (242, 91013), (251, 91085), (264, 91151),

Gene: Shuckle_216 Start: 109014, Stop: 110924, Start Num: 6
Candidate Starts for Shuckle_216:
(Start: 6 @109014 has 79 MA's), (12, 109074), (14, 109080), (15, 109095), (17, 109107), (31, 109236), (39, 109353), (47, 109428), (52, 109470), (53, 109473), (89, 109695), (148, 110082), (155, 110127), (162, 110181), (182, 110277), (195, 110352), (200, 110379), (233, 110577), (240, 110625), (246, 110658), (249, 110694), (253, 110712), (274, 110811),

Gene: SparkleGoddess_165 Start: 89235, Stop: 91160, Start Num: 6
Candidate Starts for SparkleGoddess_165:
(Start: 6 @89235 has 79 MA's), (12, 89295), (17, 89328), (19, 89337), (33, 89475), (35, 89496), (39, 89574), (50, 89658), (52, 89691), (53, 89694), (79, 89883), (89, 89916), (100, 89991), (102, 90000), (104, 90015), (107, 90057), (145, 90285), (162, 90405), (165, 90423), (192, 90573), (194, 90582), (207, 90657), (216, 90687), (223, 90723), (230, 90783), (232, 90798), (233, 90810), (240, 90858), (243, 90876), (250, 90930), (261, 90993), (285, 91107),

Gene: Squillium_221 Start: 108594, Stop: 110504, Start Num: 6
Candidate Starts for Squillium_221:
(Start: 6 @108594 has 79 MA's), (12, 108654), (15, 108675), (17, 108687), (31, 108816), (39, 108933), (41, 108960), (47, 109008), (53, 109053), (58, 109077), (59, 109095), (89, 109275), (108, 109434), (148, 109662), (162, 109758), (200, 109956), (216, 110031), (233, 110154), (240, 110202), (246, 110235), (253, 110289), (274, 110388),

Gene: Stewart25555_151 Start: 104999, Stop: 107113, Start Num: 4
Candidate Starts for Stewart25555_151:
(Start: 4 @104999 has 17 MA's), (11, 105056), (12, 105062), (15, 105083), (17, 105095), (18, 105101), (21, 105128), (35, 105263), (45, 105401), (89, 105713), (95, 105779), (146, 106118), (188, 106424), (189, 106427), (201, 106496), (234, 106715), (248, 106814), (251, 106850), (258, 106901), (264, 106919), (274, 106991), (279, 107030), (288, 107066),

Gene: Stigma_164 Start: 89669, Stop: 91594, Start Num: 6
Candidate Starts for Stigma_164:
(Start: 6 @89669 has 79 MA's), (12, 89729), (17, 89762), (19, 89771), (33, 89909), (35, 89930), (39, 90008), (50, 90092), (52, 90125), (53, 90128), (79, 90317), (89, 90350), (100, 90425), (102, 90434), (104, 90449), (107, 90491), (114, 90539), (145, 90719), (162, 90839), (165, 90857), (192, 91007), (194, 91016), (207, 91091), (216, 91121), (223, 91157), (230, 91217), (232, 91232), (233, 91244), (240, 91292), (243, 91310), (250, 91364), (261, 91427), (285, 91541),

Gene: Sushi23_218 Start: 109521, Stop: 111431, Start Num: 6
Candidate Starts for Sushi23_218:
(Start: 6 @109521 has 79 MA's), (12, 109581), (14, 109587), (15, 109602), (17, 109614), (31, 109743), (36, 109788), (39, 109860), (47, 109935), (52, 109977), (53, 109980), (59, 110022), (89, 110202), (148, 110589), (155, 110634), (162, 110688), (182, 110784), (195, 110859), (200, 110886), (233, 111084), (240, 111132), (246, 111165), (249, 111201), (253, 111219), (274, 111318),

Gene: Talia1610_164 Start: 108316, Stop: 110469, Start Num: 4
Candidate Starts for Talia1610_164:
(Start: 4 @108316 has 17 MA's), (11, 108382), (14, 108394), (15, 108403), (16, 108412), (17, 108415), (23, 108457), (35, 108583), (70, 108916), (76, 108961), (86, 109000), (89, 109036), (97, 109117), (106, 109189), (111, 109228), (113, 109240), (158, 109552), (171, 109642), (183, 109726), (185, 109747), (189, 109768), (217, 109933), (237, 110083), (243, 110128), (245, 110140), (247, 110155), (264, 110269), (278, 110356),

Gene: Targaryen_217 Start: 109691, Stop: 111604, Start Num: 6
Candidate Starts for Targaryen_217:
(Start: 6 @109691 has 79 MA's), (12, 109751), (15, 109772), (17, 109784), (25, 109877), (31, 109913), (39, 110030), (41, 110057), (47, 110105), (52, 110147), (53, 110150), (59, 110192), (89, 110372), (91, 110393), (104, 110483), (108, 110531), (142, 110726), (148, 110759), (162, 110858), (167, 110885), (195, 111029), (200, 111056), (233, 111254), (240, 111302), (246, 111335), (253, 111389), (274, 111488),

Gene: Teutsch_217 Start: 109310, Stop: 111220, Start Num: 6
Candidate Starts for Teutsch_217:
(Start: 6 @109310 has 79 MA's), (12, 109370), (14, 109376), (15, 109391), (17, 109403), (31, 109532), (37, 109595), (39, 109649), (47, 109724), (52, 109766), (53, 109769), (59, 109811), (89, 109991), (148, 110378), (155, 110423), (162, 110477), (182, 110573), (195, 110648), (200, 110675), (216, 110750), (233, 110873), (240, 110921), (246, 110954), (249, 110990), (253, 111008), (274, 111107),

Gene: Tomas_230 Start: 110406, Stop: 112316, Start Num: 6
Candidate Starts for Tomas_230:
(1, 110340), (Start: 6 @110406 has 79 MA's), (12, 110466), (15, 110487), (17, 110499), (39, 110745), (50, 110829), (53, 110865), (89, 111087), (102, 111177), (114, 111282), (131, 111378), (149, 111480), (174, 111618), (179, 111642), (195, 111744), (205, 111798), (213, 111831), (222, 111873), (223, 111876), (233, 111963), (234, 111966), (240, 112011), (250, 112083), (264, 112155), (269, 112173),

Gene: Tribute_214 Start: 109475, Stop: 111385, Start Num: 6
Candidate Starts for Tribute_214:
(Start: 6 @109475 has 79 MA's), (12, 109535), (14, 109541), (15, 109556), (17, 109568), (31, 109697), (36, 109742), (39, 109814), (47, 109889), (52, 109931), (53, 109934), (59, 109976), (89, 110156), (148, 110543), (155, 110588), (162, 110642), (182, 110738), (195, 110813), (200, 110840), (233, 111038), (240, 111086), (246, 111119), (249, 111155), (253, 111173), (274, 111272),

Gene: Trina_156 Start: 93747, Stop: 95681, Start Num: 7
Candidate Starts for Trina_156:
(Start: 7 @93747 has 3 MA's), (12, 93810), (14, 93816), (17, 93843), (20, 93861), (31, 93972), (35, 94011), (39, 94089), (55, 94218), (69, 94335), (81, 94410), (89, 94446), (99, 94503), (103, 94521), (110, 94596), (136, 94743), (151, 94827), (155, 94851), (160, 94890), (180, 94980), (226, 95205), (231, 95259), (237, 95304), (251, 95406), (270, 95520), (277, 95571), (284, 95604), (287, 95631), (291, 95649),

Gene: TunaTartare_165 Start: 90618, Stop: 92543, Start Num: 6
Candidate Starts for TunaTartare_165:
(Start: 6 @90618 has 79 MA's), (11, 90672), (12, 90678), (17, 90711), (35, 90879), (39, 90957), (53, 91077), (78, 91263), (89, 91299), (114, 91488), (129, 91584), (141, 91653), (152, 91719), (155, 91731), (168, 91815), (173, 91830), (236, 92208), (239, 92238), (240, 92244), (241, 92247), (242, 92250), (251, 92322), (259, 92376), (274, 92433), (281, 92481),

Gene: WaddleDee_147 Start: 103165, Stop: 105288, Start Num: 4
Candidate Starts for WaddleDee_147:
(Start: 4 @103165 has 17 MA's), (12, 103234), (15, 103255), (18, 103273), (30, 103381), (35, 103438), (49, 103597), (86, 103852), (89, 103894), (94, 103942), (98, 103981), (99, 103987), (101, 104002), (104, 104020), (106, 104050), (111, 104089), (164, 104461), (170, 104491), (188, 104614), (191, 104641), (248, 105004), (258, 105091), (262, 105103), (265, 105112), (271, 105151), (277, 105199),

Gene: Wakanda_137 Start: 77634, Stop: 79568, Start Num: 6
Candidate Starts for Wakanda_137:

(Start: 6 @77634 has 79 MA's), (9, 77649), (12, 77694), (13, 77697), (17, 77727), (35, 77895), (38, 77967), (39, 77973), (49, 78054), (50, 78057), (53, 78093), (70, 78225), (77, 78276), (89, 78315), (100, 78396), (114, 78510), (140, 78681), (142, 78684), (162, 78816), (186, 78951), (194, 78996), (218, 79101), (221, 79113), (283, 79515), (292, 79557),

Gene: Warpy_221 Start: 108600, Stop: 110513, Start Num: 6
Candidate Starts for Warpy_221:
(Start: 6 @108600 has 79 MA's), (12, 108660), (15, 108681), (17, 108693), (25, 108786), (31, 108822), (39, 108939), (41, 108966), (47, 109014), (52, 109056), (53, 109059), (59, 109101), (89, 109281), (91, 109302), (104, 109392), (108, 109440), (142, 109635), (148, 109668), (162, 109767), (167, 109794), (195, 109938), (200, 109965), (216, 110040), (233, 110163), (240, 110211), (246, 110244), (253, 110298), (274, 110397),

Gene: WashU_212 Start: 109101, Stop: 111011, Start Num: 6
Candidate Starts for WashU_212:
(Start: 6 @109101 has 79 MA's), (12, 109161), (14, 109167), (15, 109182), (17, 109194), (31, 109323), (36, 109368), (39, 109440), (47, 109515), (52, 109557), (53, 109560), (59, 109602), (89, 109782), (148, 110169), (155, 110214), (162, 110268), (182, 110364), (195, 110439), (200, 110466), (233, 110664), (240, 110712), (246, 110745), (249, 110781), (253, 110799), (274, 110898),

Gene: Watermoore_217 Start: 109833, Stop: 111743, Start Num: 6
Candidate Starts for Watermoore_217:
(Start: 6 @109833 has 79 MA's), (12, 109893), (14, 109899), (15, 109914), (17, 109926), (31, 110055), (36, 110100), (39, 110172), (47, 110247), (52, 110289), (53, 110292), (59, 110334), (89, 110514), (148, 110901), (155, 110946), (162, 111000), (182, 111096), (195, 111171), (200, 111198), (233, 111396), (240, 111444), (246, 111477), (249, 111513), (253, 111531), (274, 111630),

Gene: Weasels2_119 Start: 73774, Stop: 75735, Start Num: 5
Candidate Starts for Weasels2_119:
(Start: 5 @73774 has 1 MA's), (12, 73834), (17, 73867), (20, 73885), (22, 73903), (43, 74164), (53, 74233), (89, 74473), (103, 74554), (106, 74593), (143, 74797), (155, 74875), (176, 74989), (187, 75076), (193, 75112), (196, 75118), (234, 75319), (246, 75400), (250, 75439), (261, 75505), (287, 75679),

Gene: Westy_168 Start: 89984, Stop: 91909, Start Num: 6
Candidate Starts for Westy_168:
(Start: 6 @89984 has 79 MA's), (12, 90044), (17, 90077), (19, 90086), (33, 90224), (35, 90245), (39, 90323), (50, 90407), (52, 90440), (53, 90443), (79, 90632), (89, 90665), (100, 90740), (102, 90749), (104, 90764), (107, 90806), (114, 90854), (145, 91034), (162, 91154), (165, 91172), (192, 91322), (194, 91331), (207, 91406), (216, 91436), (223, 91472), (230, 91532), (232, 91547), (233, 91559), (240, 91607), (243, 91625), (250, 91679), (261, 91742), (285, 91856),

Gene: WhereRU_217 Start: 108117, Stop: 110027, Start Num: 6
Candidate Starts for WhereRU_217:
(Start: 6 @108117 has 79 MA's), (12, 108177), (15, 108198), (17, 108210), (31, 108339), (39, 108456), (41, 108483), (47, 108531), (53, 108576), (58, 108600), (59, 108618), (89, 108798), (104, 108909), (108, 108957), (148, 109185), (162, 109281), (200, 109479), (216, 109554), (233, 109677), (240, 109725), (246, 109758), (253, 109812), (274, 109911),