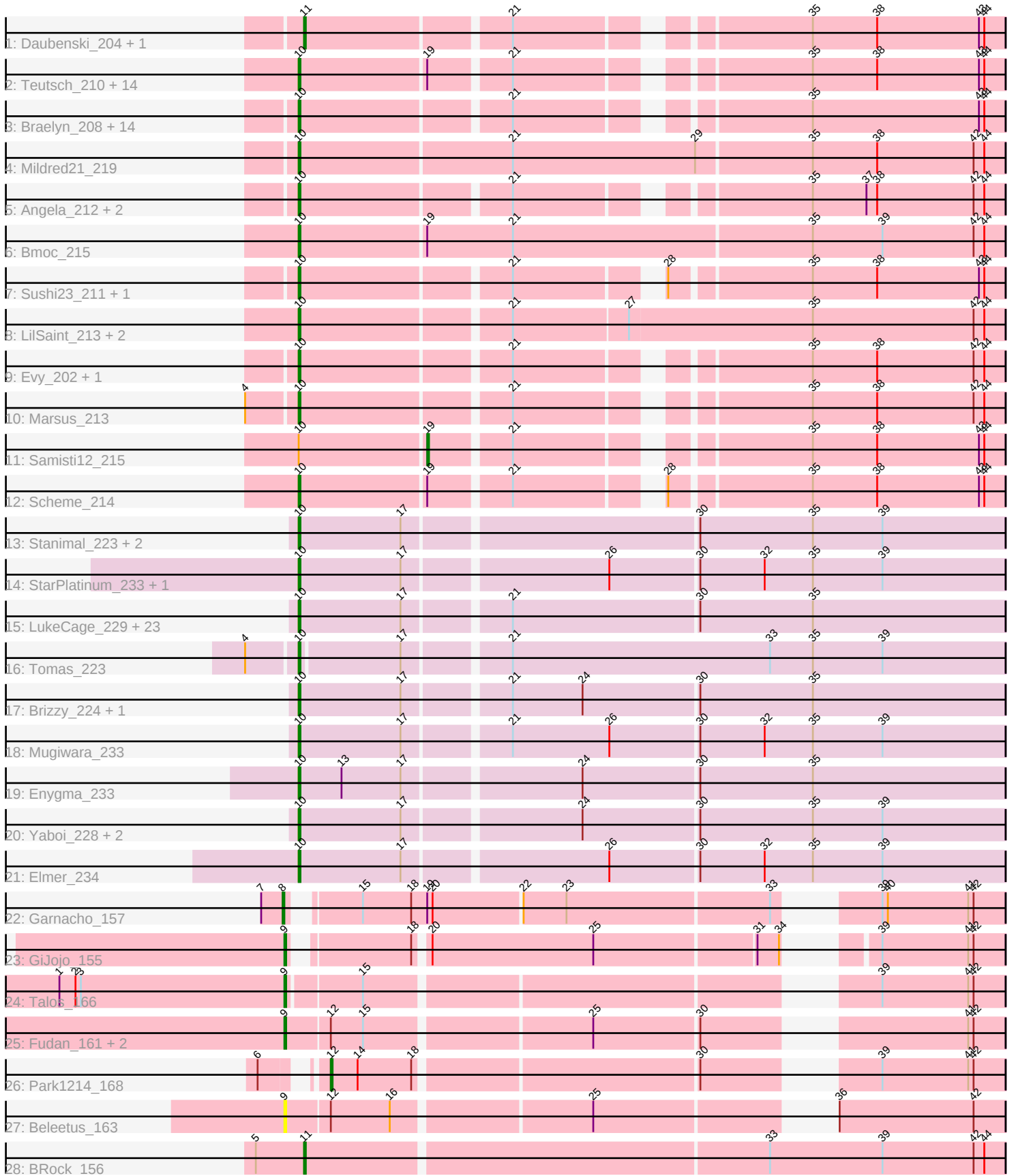


Pham 330716



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 330716 Report

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

Pham number 330716 has 94 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Daubenski_204, Cadmus_208
- Track 2 : Deutsch_210, Lululemon_208, Larnav_210, PacManQ_208, HangryHippo_209, EGole_214, Watermoore_210, WashU_206, Peebs_208, Coogler_208, ArianaSWT_222, BlueOtter_209, Cursive_213, Leo04_212, Cross_210
- Track 3 : Braelyn_208, PynkPanther_211, Davielle_211, Bartholomune_212, PinkiePie_211, Persimmon_214, WhereRU_211, Shuckle_209, NootNoot_208, Eliot67_212, Navo_206, Liandry_211, Squillium_214, Paradiddles_203, FreddyDRoo_211
- Track 4 : Mildred21_219
- Track 5 : Angela_212, MulchMansion_213, LilMartin_209
- Track 6 : Bmoc_215
- Track 7 : Sushi23_211, Pepperwood_211
- Track 8 : LilSaint_213, Riptide_213, Anedea_225
- Track 9 : Evy_202, Targaryen_210
- Track 10 : Marsus_213
- Track 11 : Samisti12_215
- Track 12 : Scheme_214
- Track 13 : Stanimal_223, AngryGiraffe_223, BoomerJR_223
- Track 14 : StarPlatinum_233, Wofford_226
- Track 15 : LukeCage_229, SaltySpittoon_225, Starbow_222, Spilled_232, Bordeaux_223, Spelly_230, AcciDwight_233, Birchlyn_224, Daisy123_233, Gibbi_233, Amabiko_229, PumpkinSpice_228, Wipeout_216, TomSawyer_229, JimJam_232, MindFlayer_218, KentuckyRacer_231, Jollison_222, IchabodCrane_219, Rikishi_226, Battuta_223, Tuesday_232, Quarant19_225, CeilingFan_229
- Track 16 : Tomas_223
- Track 17 : Brizzy_224, Karimac_225
- Track 18 : Mugiwara_233
- Track 19 : Enygma_233
- Track 20 : Yaboi_228, Genie2_223, Sollertia_224
- Track 21 : Elmer_234
- Track 22 : Garnacho_157
- Track 23 : GiJojo_155
- Track 24 : Talos_166
- Track 25 : Fudan_161, Alone3_165, LuckySocks_163
- Track 26 : Park1214_168
- Track 27 : Beleetus_163

- Track 28 : BRock_156

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

The start number called the most often in the published annotations is 10, it was called in 76 of the 87 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AcciDwight_233, Amabiko_229, Anedea_225, Angela_212, AngryGiraffe_223, ArianaSWT_222, Bartholomune_212, Battuta_223, Birchlyn_224, BlueOtter_209, Bmoc_215, BoomerJR_223, Bordeaux_223, Braelyn_208, Brizzy_224, CeilingFan_229, Coogler_208, Cross_210, Cursive_213, Daisy123_233, Davielle_211, EGole_214, Eliot67_212, Elmer_234, Enygma_233, Evy_202, FreddyDRoo_211, Genie2_223, Gibbi_233, HangryHippo_209, IchabodCrane_219, JimJam_232, Jollison_222, Karimac_225, KentuckyRacer_231, Larnav_210, Leo04_212, Liandry_211, LilMartin_209, LilSaint_213, LukeCage_229, Lululemon_208, Marsus_213, Mildred21_219, MindFlayer_218, Mugiwarara_233, MulchMansion_213, Navo_206, NootNoot_208, PacManQ_208, Paradiddles_203, Peebs_208, Pepperwood_211, Persimmon_214, PinkiePie_211, PumpkinSpice_228, PynkPanther_211, Quarant19_225, Rikishi_226, Riptide_213, SaltySpittoon_225, Scheme_214, Shuckle_209, Sollertia_224, Spelly_230, Spilled_232, Squillium_214, Stanimal_223, StarPlatinum_233, Starbow_222, Sushi23_211, Targaryen_210, Teutsch_210, TomSawyer_229, Tomas_223, Tuesday_232, WashU_206, Watermoore_210, WhereRU_211, Wipeout_216, Wofford_226, Yaboi_228,

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

- Samisti12_215,

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

- Alone3_165, BRock_156, Beleetus_163, Cadmus_208, Daubenski_204, Fudan_161, Garnacho_157, GiJojo_155, LuckySocke_163, Park1214_168, Talos_166,

Summary by start number:

Start 8:

- Found in 1 of 94 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 87
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Garnacho_157 (BS),

Start 9:

- Found in 6 of 94 (6.4%) of genes in pham
- Manual Annotations of this start: 5 of 87
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alone3_165 (BS), Beleetus_163 (BS), Fudan_161 (BS), GiJojo_155 (BS), LuckySocke_163 (BS), Talos_166 (BS),

Start 10:

- Found in 83 of 94 (88.3%) of genes in pham

- Manual Annotations of this start: 76 of 87
- Called 98.8% of time when present
- Phage (with cluster) where this start called: AcciDwight_233 (BE2), Amabiko_229 (BE2), Anedea_225 (BE1), Angela_212 (BE1), AngryGiraffe_223 (BE2), ArianaSWT_222 (BE1), Bartholomune_212 (BE1), Battuta_223 (BE2), Birchlyn_224 (BE2), BlueOtter_209 (BE1), Bmoc_215 (BE1), BoomerJR_223 (BE2), Bordeaux_223 (BE2), Braelyn_208 (BE1), Brizzy_224 (BE2), CeilingFan_229 (BE2), Coogler_208 (BE1), Cross_210 (BE1), Cursive_213 (BE1), Daisy123_233 (BE2), Davielle_211 (BE1), EGole_214 (BE1), Eliot67_212 (BE1), Elmer_234 (BE2), Enygma_233 (BE2), Evy_202 (BE1), FreddyDRoo_211 (BE1), Genie2_223 (BE2), Gibbi_233 (BE2), HangryHippo_209 (BE1), IchabodCrane_219 (BE2), JimJam_232 (BE2), Jollison_222 (BE2), Karimac_225 (BE2), KentuckyRacer_231 (BE2), Larnav_210 (BE1), Leo04_212 (BE1), Liandry_211 (BE1), LilMartin_209 (BE1), LilSaint_213 (BE1), LukeCage_229 (BE2), Lululemon_208 (BE1), Marsus_213 (BE1), Mildred21_219 (BE1), MindFlayer_218 (BE2), Mugiwara_233 (BE2), MulchMansion_213 (BE1), Navo_206 (BE1), NootNoot_208 (BE1), PacManQ_208 (BE1), Paradiddles_203 (BE1), Peebs_208 (BE1), Pepperwood_211 (BE1), Persimmon_214 (BE1), PinkiePie_211 (BE1), PumpkinSpice_228 (BE2), PynkPanther_211 (BE1), Quarant19_225 (BE2), Rikishi_226 (BE2), Riptide_213 (BE1), SaltySpittoon_225 (BE2), Scheme_214 (BE1), Shuckle_209 (BE1), Sollertia_224 (BE2), Spelly_230 (BE2), Spilled_232 (BE2), Squillium_214 (BE1), Stanimal_223 (BE2), StarPlatinum_233 (BE2), Starbow_222 (BE2), Sushi23_211 (BE1), Targaryen_210 (BE1), Teutsch_210 (BE1), TomSawyer_229 (BE2), Tomas_223 (BE2), Tuesday_232 (BE2), WashU_206 (BE1), Watermoore_210 (BE1), WhereRU_211 (BE1), Wipeout_216 (BE2), Wofford_226 (BE2), Yaboi_228 (BE2),

Start 11:

- Found in 3 of 94 (3.2%) of genes in pham
- Manual Annotations of this start: 3 of 87
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BRock_156 (BS), Cadmus_208 (BE1), Daubenski_204 (BE1),

Start 12:

- Found in 5 of 94 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 87
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Park1214_168 (BS),

Start 19:

- Found in 19 of 94 (20.2%) of genes in pham
- Manual Annotations of this start: 1 of 87
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Samisti12_215 (BE1),

Summary by clusters:

There are 3 clusters represented in this pham: BE2, BE1, BS,

Info for manual annotations of cluster BE1:

- Start number 10 was manually annotated 42 times for cluster BE1.
- Start number 11 was manually annotated 2 times for cluster BE1.
- Start number 19 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 10 was manually annotated 34 times for cluster BE2.

Info for manual annotations of cluster BS:

- Start number 8 was manually annotated 1 time for cluster BS.
- Start number 9 was manually annotated 5 times for cluster BS.
- Start number 11 was manually annotated 1 time for cluster BS.
- Start number 12 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: AcciDwight_233 Start: 107633, Stop: 108016, Start Num: 10

Candidate Starts for AcciDwight_233:

(Start: 10 @107633 has 76 MA's), (17, 107690), (21, 107744), (30, 107846), (35, 107909),

Gene: Alone3_165 Start: 87981, Stop: 88337, Start Num: 9

Candidate Starts for Alone3_165:

(Start: 9 @87981 has 5 MA's), (Start: 12 @88005 has 1 MA's), (15, 88023), (25, 88143), (30, 88200), (41, 88317), (42, 88320),

Gene: Amabiko_229 Start: 107451, Stop: 107834, Start Num: 10

Candidate Starts for Amabiko_229:

(Start: 10 @107451 has 76 MA's), (17, 107508), (21, 107562), (30, 107664), (35, 107727),

Gene: Anedea_225 Start: 108387, Stop: 108770, Start Num: 10

Candidate Starts for Anedea_225:

(Start: 10 @108387 has 76 MA's), (21, 108498), (27, 108561), (35, 108663), (42, 108753), (44, 108759),

Gene: Angela_212 Start: 105457, Stop: 105816, Start Num: 10

Candidate Starts for Angela_212:

(Start: 10 @105457 has 76 MA's), (21, 105568), (35, 105709), (37, 105739), (38, 105745), (42, 105799), (44, 105805),

Gene: AngryGiraffe_223 Start: 107336, Stop: 107719, Start Num: 10

Candidate Starts for AngryGiraffe_223:

(Start: 10 @107336 has 76 MA's), (17, 107393), (30, 107549), (35, 107612), (39, 107651),

Gene: ArianaSWT_222 Start: 107908, Stop: 108267, Start Num: 10

Candidate Starts for ArianaSWT_222:

(Start: 10 @107908 has 76 MA's), (Start: 19 @107977 has 1 MA's), (21, 108019), (35, 108160), (38, 108196), (43, 108253), (44, 108256),

Gene: BRock_156 Start: 83013, Stop: 83396, Start Num: 11

Candidate Starts for BRock_156:

(5, 82986), (Start: 11 @83013 has 3 MA's), (33, 83265), (39, 83328), (42, 83379), (44, 83385),

Gene: Bartholomune_212 Start: 106018, Stop: 106377, Start Num: 10

Candidate Starts for Bartholomune_212:

(Start: 10 @106018 has 76 MA's), (21, 106129), (35, 106270), (43, 106363), (44, 106366),

Gene: Battuta_223 Start: 106766, Stop: 107149, Start Num: 10

Candidate Starts for Battuta_223:

(Start: 10 @106766 has 76 MA's), (17, 106823), (21, 106877), (30, 106979), (35, 107042),

Gene: Beleetus_163 Start: 86450, Stop: 86806, Start Num: 9

Candidate Starts for Beleetus_163:

(Start: 9 @86450 has 5 MA's), (Start: 12 @86474 has 1 MA's), (16, 86507), (25, 86612), (36, 86714), (42, 86789),

Gene: Birchlyn_224 Start: 104699, Stop: 105082, Start Num: 10

Candidate Starts for Birchlyn_224:

(Start: 10 @104699 has 76 MA's), (17, 104756), (21, 104810), (30, 104912), (35, 104975),

Gene: BlueOtter_209 Start: 106161, Stop: 106520, Start Num: 10

Candidate Starts for BlueOtter_209:

(Start: 10 @106161 has 76 MA's), (Start: 19 @106230 has 1 MA's), (21, 106272), (35, 106413), (38, 106449), (43, 106506), (44, 106509),

Gene: Bmoc_215 Start: 106273, Stop: 106662, Start Num: 10

Candidate Starts for Bmoc_215:

(Start: 10 @106273 has 76 MA's), (Start: 19 @106342 has 1 MA's), (21, 106390), (35, 106555), (39, 106594), (42, 106645), (44, 106651),

Gene: BoomerJR_223 Start: 107769, Stop: 108152, Start Num: 10

Candidate Starts for BoomerJR_223:

(Start: 10 @107769 has 76 MA's), (17, 107826), (30, 107982), (35, 108045), (39, 108084),

Gene: Bordeaux_223 Start: 107349, Stop: 107732, Start Num: 10

Candidate Starts for Bordeaux_223:

(Start: 10 @107349 has 76 MA's), (17, 107406), (21, 107460), (30, 107562), (35, 107625),

Gene: Braelyn_208 Start: 105665, Stop: 106024, Start Num: 10

Candidate Starts for Braelyn_208:

(Start: 10 @105665 has 76 MA's), (21, 105776), (35, 105917), (43, 106010), (44, 106013),

Gene: Brizzy_224 Start: 107877, Stop: 108260, Start Num: 10

Candidate Starts for Brizzy_224:

(Start: 10 @107877 has 76 MA's), (17, 107934), (21, 107988), (24, 108027), (30, 108090), (35, 108153),

Gene: Cadmus_208 Start: 106959, Stop: 107315, Start Num: 11

Candidate Starts for Cadmus_208:

(Start: 11 @106959 has 3 MA's), (21, 107067), (35, 107208), (38, 107244), (43, 107301), (44, 107304),

Gene: CeilingFan_229 Start: 108144, Stop: 108527, Start Num: 10

Candidate Starts for CeilingFan_229:

(Start: 10 @108144 has 76 MA's), (17, 108201), (21, 108255), (30, 108357), (35, 108420),

Gene: Coogler_208 Start: 106553, Stop: 106912, Start Num: 10

Candidate Starts for Coogler_208:

(Start: 10 @106553 has 76 MA's), (Start: 19 @106622 has 1 MA's), (21, 106664), (35, 106805), (38, 106841), (43, 106898), (44, 106901),

Gene: Cross_210 Start: 106806, Stop: 107165, Start Num: 10

Candidate Starts for Cross_210:

(Start: 10 @106806 has 76 MA's), (Start: 19 @106875 has 1 MA's), (21, 106917), (35, 107058), (38, 107094), (43, 107151), (44, 107154),

Gene: Cursive_213 Start: 106490, Stop: 106849, Start Num: 10

Candidate Starts for Cursive_213:

(Start: 10 @106490 has 76 MA's), (Start: 19 @106559 has 1 MA's), (21, 106601), (35, 106742), (38, 106778), (43, 106835), (44, 106838),

Gene: Daisy123_233 Start: 108006, Stop: 108389, Start Num: 10

Candidate Starts for Daisy123_233:

(Start: 10 @108006 has 76 MA's), (17, 108063), (21, 108117), (30, 108219), (35, 108282),

Gene: Daubenski_204 Start: 106854, Stop: 107210, Start Num: 11

Candidate Starts for Daubenski_204:

(Start: 11 @106854 has 3 MA's), (21, 106962), (35, 107103), (38, 107139), (43, 107196), (44, 107199),

Gene: Davielle_211 Start: 106063, Stop: 106422, Start Num: 10

Candidate Starts for Davielle_211:

(Start: 10 @106063 has 76 MA's), (21, 106174), (35, 106315), (43, 106408), (44, 106411),

Gene: EGole_214 Start: 108503, Stop: 108862, Start Num: 10

Candidate Starts for EGole_214:

(Start: 10 @108503 has 76 MA's), (Start: 19 @108572 has 1 MA's), (21, 108614), (35, 108755), (38, 108791), (43, 108848), (44, 108851),

Gene: Eliot67_212 Start: 105554, Stop: 105913, Start Num: 10

Candidate Starts for Eliot67_212:

(Start: 10 @105554 has 76 MA's), (21, 105665), (35, 105806), (43, 105899), (44, 105902),

Gene: Elmer_234 Start: 111093, Stop: 111476, Start Num: 10

Candidate Starts for Elmer_234:

(Start: 10 @111093 has 76 MA's), (17, 111150), (26, 111258), (30, 111306), (32, 111342), (35, 111369), (39, 111408),

Gene: Enygma_233 Start: 110553, Stop: 110936, Start Num: 10

Candidate Starts for Enygma_233:

(Start: 10 @110553 has 76 MA's), (13, 110577), (17, 110610), (24, 110703), (30, 110766), (35, 110829),

Gene: Evy_202 Start: 106956, Stop: 107315, Start Num: 10

Candidate Starts for Evy_202:

(Start: 10 @106956 has 76 MA's), (21, 107067), (35, 107208), (38, 107244), (42, 107298), (44, 107304),

Gene: FreddyDRoo_211 Start: 105554, Stop: 105913, Start Num: 10

Candidate Starts for FreddyDRoo_211:

(Start: 10 @105554 has 76 MA's), (21, 105665), (35, 105806), (43, 105899), (44, 105902),

Gene: Fudan_161 Start: 86537, Stop: 86893, Start Num: 9

Candidate Starts for Fudan_161:

(Start: 9 @86537 has 5 MA's), (Start: 12 @86561 has 1 MA's), (15, 86579), (25, 86699), (30, 86756), (41, 86873), (42, 86876),

Gene: Garnacho_157 Start: 86421, Stop: 86771, Start Num: 8

Candidate Starts for Garnacho_157:

(7, 86409), (Start: 8 @86421 has 1 MA's), (15, 86451), (18, 86478), (Start: 19 @86487 has 1 MA's), (20, 86490), (22, 86538), (23, 86562), (33, 86673), (39, 86703), (40, 86706), (41, 86751), (42, 86754),

Gene: Genie2_223 Start: 107894, Stop: 108277, Start Num: 10

Candidate Starts for Genie2_223:

(Start: 10 @107894 has 76 MA's), (17, 107951), (24, 108044), (30, 108107), (35, 108170), (39, 108209),

Gene: GiJojo_155 Start: 87356, Stop: 87697, Start Num: 9

Candidate Starts for GiJojo_155:

(Start: 9 @87356 has 5 MA's), (18, 87413), (20, 87419), (25, 87509), (31, 87596), (34, 87608), (39, 87629), (41, 87677), (42, 87680),

Gene: Gibbi_233 Start: 107637, Stop: 108020, Start Num: 10

Candidate Starts for Gibbi_233:

(Start: 10 @107637 has 76 MA's), (17, 107694), (21, 107748), (30, 107850), (35, 107913),

Gene: HangryHippo_209 Start: 106161, Stop: 106520, Start Num: 10

Candidate Starts for HangryHippo_209:

(Start: 10 @106161 has 76 MA's), (Start: 19 @106230 has 1 MA's), (21, 106272), (35, 106413), (38, 106449), (43, 106506), (44, 106509),

Gene: IchabodCrane_219 Start: 107152, Stop: 107535, Start Num: 10

Candidate Starts for IchabodCrane_219:

(Start: 10 @107152 has 76 MA's), (17, 107209), (21, 107263), (30, 107365), (35, 107428),

Gene: JimJam_232 Start: 109073, Stop: 109456, Start Num: 10

Candidate Starts for JimJam_232:

(Start: 10 @109073 has 76 MA's), (17, 109130), (21, 109184), (30, 109286), (35, 109349),

Gene: Jollison_222 Start: 107283, Stop: 107666, Start Num: 10

Candidate Starts for Jollison_222:

(Start: 10 @107283 has 76 MA's), (17, 107340), (21, 107394), (30, 107496), (35, 107559),

Gene: Karimac_225 Start: 107468, Stop: 107851, Start Num: 10

Candidate Starts for Karimac_225:

(Start: 10 @107468 has 76 MA's), (17, 107525), (21, 107579), (24, 107618), (30, 107681), (35, 107744),

Gene: KentuckyRacer_231 Start: 108988, Stop: 109371, Start Num: 10

Candidate Starts for KentuckyRacer_231:

(Start: 10 @108988 has 76 MA's), (17, 109045), (21, 109099), (30, 109201), (35, 109264),

Gene: Larnav_210 Start: 106622, Stop: 106981, Start Num: 10

Candidate Starts for Larnav_210:

(Start: 10 @106622 has 76 MA's), (Start: 19 @106691 has 1 MA's), (21, 106733), (35, 106874), (38, 106910), (43, 106967), (44, 106970),

Gene: Leo04_212 Start: 107187, Stop: 107546, Start Num: 10

Candidate Starts for Leo04_212:

(Start: 10 @107187 has 76 MA's), (Start: 19 @107256 has 1 MA's), (21, 107298), (35, 107439), (38, 107475), (43, 107532), (44, 107535),

Gene: Liandry_211 Start: 106261, Stop: 106620, Start Num: 10

Candidate Starts for Liandry_211:

(Start: 10 @106261 has 76 MA's), (21, 106372), (35, 106513), (43, 106606), (44, 106609),

Gene: LilMartin_209 Start: 104821, Stop: 105180, Start Num: 10

Candidate Starts for LilMartin_209:

(Start: 10 @104821 has 76 MA's), (21, 104932), (35, 105073), (37, 105103), (38, 105109), (42, 105163), (44, 105169),

Gene: LilSaint_213 Start: 106759, Stop: 107142, Start Num: 10

Candidate Starts for LilSaint_213:

(Start: 10 @106759 has 76 MA's), (21, 106870), (27, 106933), (35, 107035), (42, 107125), (44, 107131),

Gene: LuckySocle_163 Start: 86486, Stop: 86842, Start Num: 9

Candidate Starts for LuckySocle_163:

(Start: 9 @86486 has 5 MA's), (Start: 12 @86510 has 1 MA's), (15, 86528), (25, 86648), (30, 86705), (41, 86822), (42, 86825),

Gene: LukeCage_229 Start: 109747, Stop: 110130, Start Num: 10

Candidate Starts for LukeCage_229:

(Start: 10 @109747 has 76 MA's), (17, 109804), (21, 109858), (30, 109960), (35, 110023),

Gene: Lululemon_208 Start: 105542, Stop: 105901, Start Num: 10

Candidate Starts for Lululemon_208:

(Start: 10 @105542 has 76 MA's), (Start: 19 @105611 has 1 MA's), (21, 105653), (35, 105794), (38, 105830), (43, 105887), (44, 105890),

Gene: Marsus_213 Start: 106565, Stop: 106924, Start Num: 10

Candidate Starts for Marsus_213:

(4, 106538), (Start: 10 @106565 has 76 MA's), (21, 106676), (35, 106817), (38, 106853), (42, 106907), (44, 106913),

Gene: Mildred21_219 Start: 104587, Stop: 104976, Start Num: 10

Candidate Starts for Mildred21_219:

(Start: 10 @104587 has 76 MA's), (21, 104704), (29, 104806), (35, 104869), (38, 104905), (42, 104959), (44, 104965),

Gene: MindFlayer_218 Start: 106668, Stop: 107051, Start Num: 10

Candidate Starts for MindFlayer_218:

(Start: 10 @106668 has 76 MA's), (17, 106725), (21, 106779), (30, 106881), (35, 106944),

Gene: Mugiwara_233 Start: 110247, Stop: 110630, Start Num: 10

Candidate Starts for Mugiwara_233:

(Start: 10 @110247 has 76 MA's), (17, 110304), (21, 110358), (26, 110412), (30, 110460), (32, 110496), (35, 110523), (39, 110562),

Gene: MulchMansion_213 Start: 106455, Stop: 106814, Start Num: 10

Candidate Starts for MulchMansion_213:

(Start: 10 @106455 has 76 MA's), (21, 106566), (35, 106707), (37, 106737), (38, 106743), (42, 106797), (44, 106803),

Gene: Navo_206 Start: 104869, Stop: 105228, Start Num: 10

Candidate Starts for Navo_206:

(Start: 10 @104869 has 76 MA's), (21, 104980), (35, 105121), (43, 105214), (44, 105217),

Gene: NootNoot_208 Start: 105073, Stop: 105432, Start Num: 10

Candidate Starts for NootNoot_208:

(Start: 10 @105073 has 76 MA's), (21, 105184), (35, 105325), (43, 105418), (44, 105421),

Gene: PacManQ_208 Start: 105542, Stop: 105901, Start Num: 10

Candidate Starts for PacManQ_208:

(Start: 10 @105542 has 76 MA's), (Start: 19 @105611 has 1 MA's), (21, 105653), (35, 105794), (38, 105830), (43, 105887), (44, 105890),

Gene: Paradiddles_203 Start: 107448, Stop: 107807, Start Num: 10

Candidate Starts for Paradiddles_203:

(Start: 10 @107448 has 76 MA's), (21, 107559), (35, 107700), (43, 107793), (44, 107796),

Gene: Park1214_168 Start: 87945, Stop: 88277, Start Num: 12

Candidate Starts for Park1214_168:

(6, 87921), (Start: 12 @87945 has 1 MA's), (14, 87960), (18, 87990), (30, 88140), (39, 88209), (41, 88257), (42, 88260),

Gene: Peebs_208 Start: 106593, Stop: 106952, Start Num: 10

Candidate Starts for Peebs_208:

(Start: 10 @106593 has 76 MA's), (Start: 19 @106662 has 1 MA's), (21, 106704), (35, 106845), (38, 106881), (43, 106938), (44, 106941),

Gene: Pepperwood_211 Start: 106825, Stop: 107184, Start Num: 10

Candidate Starts for Pepperwood_211:

(Start: 10 @106825 has 76 MA's), (21, 106936), (28, 107005), (35, 107077), (38, 107113), (43, 107170), (44, 107173),

Gene: Persimmon_214 Start: 105887, Stop: 106246, Start Num: 10

Candidate Starts for Persimmon_214:

(Start: 10 @105887 has 76 MA's), (21, 105998), (35, 106139), (43, 106232), (44, 106235),

Gene: PinkiePie_211 Start: 106261, Stop: 106620, Start Num: 10

Candidate Starts for PinkiePie_211:

(Start: 10 @106261 has 76 MA's), (21, 106372), (35, 106513), (43, 106606), (44, 106609),

Gene: PumpkinSpice_228 Start: 107889, Stop: 108272, Start Num: 10

Candidate Starts for PumpkinSpice_228:

(Start: 10 @107889 has 76 MA's), (17, 107946), (21, 108000), (30, 108102), (35, 108165),

Gene: PynkPanther_211 Start: 106703, Stop: 107062, Start Num: 10

Candidate Starts for PynkPanther_211:

(Start: 10 @106703 has 76 MA's), (21, 106814), (35, 106955), (43, 107048), (44, 107051),

Gene: Quarant19_225 Start: 107330, Stop: 107713, Start Num: 10

Candidate Starts for Quaran19_225:

(Start: 10 @107330 has 76 MA's), (17, 107387), (21, 107441), (30, 107543), (35, 107606),

Gene: Rikishi_226 Start: 107611, Stop: 107994, Start Num: 10

Candidate Starts for Rikishi_226:

(Start: 10 @107611 has 76 MA's), (17, 107668), (21, 107722), (30, 107824), (35, 107887),

Gene: Riptide_213 Start: 105917, Stop: 106300, Start Num: 10

Candidate Starts for Riptide_213:

(Start: 10 @105917 has 76 MA's), (21, 106028), (27, 106091), (35, 106193), (42, 106283), (44, 106289),

Gene: SaltySpittoon_225 Start: 106872, Stop: 107255, Start Num: 10

Candidate Starts for SaltySpittoon_225:

(Start: 10 @106872 has 76 MA's), (17, 106929), (21, 106983), (30, 107085), (35, 107148),

Gene: Samisti12_215 Start: 108521, Stop: 108811, Start Num: 19

Candidate Starts for Samisti12_215:

(Start: 10 @108452 has 76 MA's), (Start: 19 @108521 has 1 MA's), (21, 108563), (35, 108704), (38, 108740), (43, 108797), (44, 108800),

Gene: Scheme_214 Start: 108097, Stop: 108456, Start Num: 10

Candidate Starts for Scheme_214:

(Start: 10 @108097 has 76 MA's), (Start: 19 @108166 has 1 MA's), (21, 108208), (28, 108277), (35, 108349), (38, 108385), (43, 108442), (44, 108445),

Gene: Shuckle_209 Start: 106819, Stop: 107178, Start Num: 10

Candidate Starts for Shuckle_209:

(Start: 10 @106819 has 76 MA's), (21, 106930), (35, 107071), (43, 107164), (44, 107167),

Gene: Sollertia_224 Start: 107883, Stop: 108266, Start Num: 10

Candidate Starts for Sollertia_224:

(Start: 10 @107883 has 76 MA's), (17, 107940), (24, 108033), (30, 108096), (35, 108159), (39, 108198),

Gene: Spelly_230 Start: 106801, Stop: 107184, Start Num: 10

Candidate Starts for Spelly_230:

(Start: 10 @106801 has 76 MA's), (17, 106858), (21, 106912), (30, 107014), (35, 107077),

Gene: Spilled_232 Start: 108005, Stop: 108388, Start Num: 10

Candidate Starts for Spilled_232:

(Start: 10 @108005 has 76 MA's), (17, 108062), (21, 108116), (30, 108218), (35, 108281),

Gene: Squillium_214 Start: 106263, Stop: 106622, Start Num: 10

Candidate Starts for Squillium_214:

(Start: 10 @106263 has 76 MA's), (21, 106374), (35, 106515), (43, 106608), (44, 106611),

Gene: Stanimal_223 Start: 108255, Stop: 108638, Start Num: 10

Candidate Starts for Stanimal_223:

(Start: 10 @108255 has 76 MA's), (17, 108312), (30, 108468), (35, 108531), (39, 108570),

Gene: StarPlatinum_233 Start: 109978, Stop: 110361, Start Num: 10

Candidate Starts for StarPlatinum_233:

(Start: 10 @109978 has 76 MA's), (17, 110035), (26, 110143), (30, 110191), (32, 110227), (35, 110254), (39, 110293),

Gene: Starbow_222 Start: 106845, Stop: 107228, Start Num: 10

Candidate Starts for Starbow_222:

(Start: 10 @106845 has 76 MA's), (17, 106902), (21, 106956), (30, 107058), (35, 107121),

Gene: Sushi23_211 Start: 107459, Stop: 107818, Start Num: 10

Candidate Starts for Sushi23_211:

(Start: 10 @107459 has 76 MA's), (21, 107570), (28, 107639), (35, 107711), (38, 107747), (43, 107804), (44, 107807),

Gene: Talos_166 Start: 86505, Stop: 86858, Start Num: 9

Candidate Starts for Talos_166:

(1, 86379), (2, 86388), (3, 86391), (Start: 9 @86505 has 5 MA's), (15, 86544), (39, 86790), (41, 86838), (42, 86841),

Gene: Targaryen_210 Start: 107640, Stop: 107999, Start Num: 10

Candidate Starts for Targaryen_210:

(Start: 10 @107640 has 76 MA's), (21, 107751), (35, 107892), (38, 107928), (42, 107982), (44, 107988),

Gene: Deutsch_210 Start: 107281, Stop: 107640, Start Num: 10

Candidate Starts for Deutsch_210:

(Start: 10 @107281 has 76 MA's), (Start: 19 @107350 has 1 MA's), (21, 107392), (35, 107533), (38, 107569), (43, 107626), (44, 107629),

Gene: TomSawyer_229 Start: 109316, Stop: 109699, Start Num: 10

Candidate Starts for TomSawyer_229:

(Start: 10 @109316 has 76 MA's), (17, 109373), (21, 109427), (30, 109529), (35, 109592),

Gene: Tomas_223 Start: 108257, Stop: 108640, Start Num: 10

Candidate Starts for Tomas_223:

(4, 108230), (Start: 10 @108257 has 76 MA's), (17, 108311), (21, 108365), (33, 108509), (35, 108533), (39, 108572),

Gene: Tuesday_232 Start: 107856, Stop: 108239, Start Num: 10

Candidate Starts for Tuesday_232:

(Start: 10 @107856 has 76 MA's), (17, 107913), (21, 107967), (30, 108069), (35, 108132),

Gene: WashU_206 Start: 107072, Stop: 107431, Start Num: 10

Candidate Starts for WashU_206:

(Start: 10 @107072 has 76 MA's), (Start: 19 @107141 has 1 MA's), (21, 107183), (35, 107324), (38, 107360), (43, 107417), (44, 107420),

Gene: Watermoore_210 Start: 107804, Stop: 108163, Start Num: 10

Candidate Starts for Watermoore_210:

(Start: 10 @107804 has 76 MA's), (Start: 19 @107873 has 1 MA's), (21, 107915), (35, 108056), (38, 108092), (43, 108149), (44, 108152),

Gene: WhereRU_211 Start: 106066, Stop: 106425, Start Num: 10

Candidate Starts for WhereRU_211:

(Start: 10 @106066 has 76 MA's), (21, 106177), (35, 106318), (43, 106411), (44, 106414),

Gene: Wipeout_216 Start: 108268, Stop: 108651, Start Num: 10

Candidate Starts for Wipeout_216:

(Start: 10 @108268 has 76 MA's), (17, 108325), (21, 108379), (30, 108481), (35, 108544),

Gene: Wofford_226 Start: 110959, Stop: 111342, Start Num: 10

Candidate Starts for Wofford_226:

(Start: 10 @110959 has 76 MA's), (17, 111016), (26, 111124), (30, 111172), (32, 111208), (35, 111235), (39, 111274),

Gene: Yaboi_228 Start: 107818, Stop: 108201, Start Num: 10

Candidate Starts for Yaboi_228:

(Start: 10 @107818 has 76 MA's), (17, 107875), (24, 107968), (30, 108031), (35, 108094), (39, 108133),