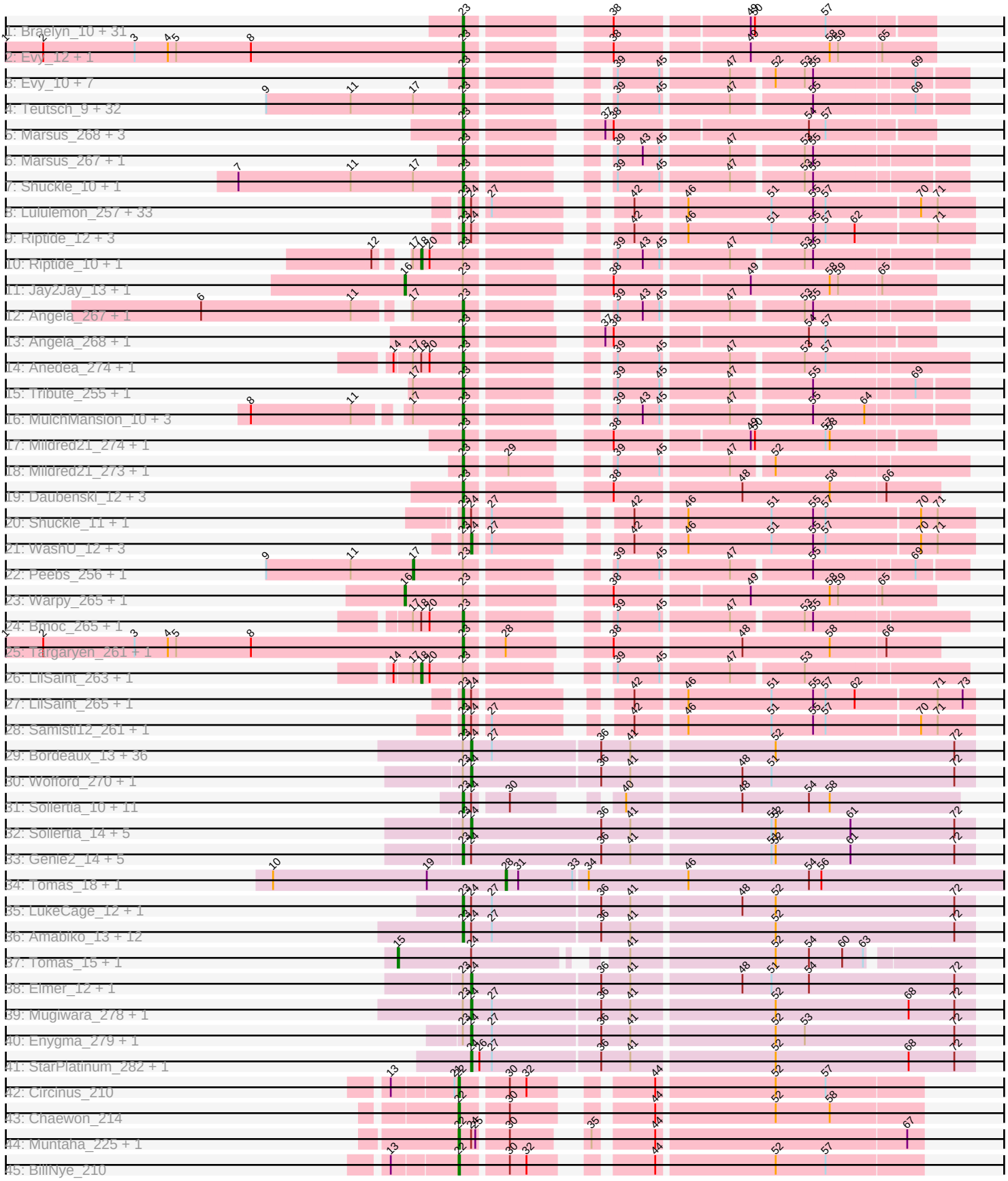
Pham 341715


1: Braelyn_10 + 31
2: Evy_12 + 1
3: Evy_10 + 7
4: Teutsch_9 + 32
5: Marsus_268 + 3
6: Marsus_267 + 1
7: Shuckle_10 + 1
8: Lululemon_257 + 33
9: Riptide_12 + 3
10: Riptide_10 + 1
11: Jay2Jay_13 + 1
12: Angela_267 + 1
13: Angela_268 + 1
14: Anedea_274 + 1
15: Tribute_255 + 1
16: MulchMansion_10 + 3
17: Mildred21_274 + 1
18: Mildred21_273 + 1
19: Daubenski_12 + 3
20: Shuckle_11 + 1
21: WashO_12 + 3
22: Peebs_256 + 1
23: Warpy_265 + 1
24: Bmoc_265 + 1
25: Targaryen_261 + 1
26: LilSaint_263 + 1
27: LilSaint_265 + 1
28: Samisti2_261 + 1
29: Bordeaux_13 + 36
30: Wofford_270 + 1
31: Sollertia_10 + 11
32: Sollertia_14 + 5
33: Genie2_14 + 5
34: Tomas_18 + 1
35: LukeCage_12 + 1
36: Amabiko_13 + 12
37: Tomas_15 + 1
38: Elmer_12 + 1
39: Mugiwara_278 + 1
40: Enygma_279 + 1
41: StarPlatinum_282 + 1
42: Circinus_210
43: Chaewon_214
44: Muntaha_225 + 1
45: BillNye_210

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 341715 Report

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

Pham number 341715 has 260 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Braelyn_10, Navo_251, Bartholomune_10, WhereRU_9, LilMartin_263, Davielle_258, FreddyDRoo_10, Eliot67_261, PinkiePie_10, Persimmon_260, Davielle_9, Paradiddles_10, Persimmon_9, LilMartin_11, PynkPanther_10, Liandry_259, MulchMansion_267, Liandry_10, NootNoot_255, PynkPanther_258, Paradiddles_251, NootNoot_10, Braelyn_255, Squillium_10, MulchMansion_11, Bartholomune_260, Eliot67_10, WhereRU_258, PinkiePie_260, Navo_9, FreddyDRoo_260, Squillium_262
• Track 2 : Evy_12, Evy_250
• Track 3 : Evy_10, Jay2Jay_266, Jay2Jay_11, Warpy_263, Evy_248, Warpy_11, Targaryen_260, Targaryen_9
• Track 4 : Teutsch_9, WashU_10, BlueOtter_9, Cursive_261, EGole_9, HangryHippo_9, Watermoore_256, Lululemon_255, Pepperwood_10, Leo04_260, PacManQ_255, Cross_9, Cursive_7, Lululemon_8, Cross_257, Sushi23_10, Larnav_9, EGole_263, Larnav_259, Leo04_9, HangryHippo_257, BlueOtter_257, Pepperwood_259, ArianaSWT_9, Coogler_255, PacManQ_8, Teutsch_256, WashU_254, Watermoore_9, Scheme_10, ArianaSWT_262, Coogler_9, Scheme_263
• Track 5 : Marsus_268, Bmoc_266, Marsus_11, Bmoc_10
• Track 6 : Marsus_267, Marsus_10
• Track 7 : Shuckle_10, Shuckle_258
• Track 8 : Lululemon_257, ArianaSWT_264, Watermoore_258, ArianaSWT_11, Larnav_11, HangryHippo_259, Scheme_265, Peebs_258, Coogler_11, Pepperwood_12, BlueOtter_259, Tribute_11, Cursive_9, HangryHippo_11, Cross_11, Cross_259, PacManQ_10, Sushi23_12, PacManQ_257, Larnav_261, EGole_265, Scheme_12, Teutsch_11, Pepperwood_261, Sushi23_262, Cursive_263, Coogler_257, Watermoore_11, BlueOtter_11, Tribute_257, Teutsch_258, EGole_11, Peebs_11, Lululemon_10
• Track 9 : Riptide_12, Anedea_276, Riptide_267, Anedea_11
• Track 10 : Riptide_10, Riptide_265
• Track 11 : Jay2Jay_13, Jay2Jay_268
• Track 12 : Angela_267, Angela_10
• Track 13 : Angela_268, Angela_11
• Track 14 : Anedea_274, Anedea_9
• Track 15 : Tribute_255, Tribute_9
• Track 16 : MulchMansion_10, MulchMansion_266, LilMartin_10, LilMartin_262
• Track 17 : Mildred21_274, Mildred21_11
• Track 18 : Mildred21_273, Mildred21_10

• Track 19 : Daubenski_12, Cadmus_259, Cadmus_11, Daubenski_256
• Track 20 : Shuckle_11, Shuckle_259
• Track 21 : WashU_12, Leo04_262, Leo04_11, WashU_256
• Track 22 : Peebs_256, Peebs_9
• Track 23 : Warpy_265, Warpy_13
• Track 24 : Bmoc_265, Bmoc_9
• Track 25 : Targaryen_261, Targaryen_10
• Track 26 : LilSaint_263, LilSaint_10
• Track 27 : LilSaint_265, LilSaint_12
• Track 28 : Samisti12_261, Samisti12_10
• Track 29 : Bordeaux_13, MindFlayer_264, Battuta_13, Jollison_270, MindFlayer_12, IchabodCrane_12, Spelly_13, PumpkinSpice_277, IchabodCrane_265, Daisy123_12, Daisy123_275, Gibbi_12, Wipeout_265, Tuesday_13, Quaran19_13, CeilingFan_12, AcciDwight_283, Spelly_279, CeilingFan_278, Quaran19_274, Karimac_271, SaltySpitoon_13, Wipeout_12, Gibbi_283, Rikishi_12, PumpkinSpice_13, TomSawyer_13, Tuesday_281, Battuta_270, Karimac_13, Jollison_13, AcciDwight_13, Bordeaux_270, Brizzy_12, TomSawyer_278, Rikishi_274, Birchlyn_10
• Track 30 : Wofford_270, Wofford_12
• Track 31 : Sollertia_10, Yaboi_271, Stanimal_10, Genie2_10, BoomerJR_10, Yaboi_10, AngryGiraffe_266, BoomerJR_265, Genie2_265, AngryGiraffe_10, Stanimal_265, Sollertia_266
• Track 32 : Sollertia_14, AngryGiraffe_270, Yaboi_275, AngryGiraffe_14, Yaboi_14, Sollertia_270
• Track 33 : Genie2_14, BoomerJR_14, Stanimal_269, Stanimal_14, Genie2_269, BoomerJR_269
• Track 34 : Tomas_18, Tomas_274
• Track 35 : LukeCage_12, LukeCage_275
• Track 36 : Amabiko_13, Brizzy_270, KentuckyRacer_280, JimJam_281, Starbow_13, Spilled_12, Spilled_280, Birchlyn_270, SaltySpitoon_273, Starbow_270, Amabiko_277, KentuckyRacer_12, JimJam_13
• Track 37 : Tomas_15, Tomas_271
• Track 38 : Elmer_12, Elmer_279
• Track 39 : Mugiwara_278, Mugiwara_11
• Track 40 : Enygma_279, Enygma_11
• Track 41 : StarPlatinum_282, StarPlatinum_12
• Track 42 : Circinus_210
• Track 43 : Chaewon_214
• Track 44 : Muntaha_225, Wakanda_221
• Track 45 : BillNye_210

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

The start number called the most often in the published annotations is 23, it was called in 182 of the 252 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_13, Amabiko_277, Anedea_11, Anedea_274, Anedea_276, Anedea_9, Angela_10, Angela_11, Angela_267, Angela_268, AngryGiraffe_10, AngryGiraffe_266, ArianaSWT_11, ArianaSWT_262, ArianaSWT_264, ArianaSWT_9,

Bartholomune_10, Bartholomune_260, Birchlyn_270, BlueOtter_11, BlueOtter_257, BlueOtter_259, BlueOtter_9, Bmoc_10, Bmoc_265, Bmoc_266, Bmoc_9, BoomerJR_10, BoomerJR_14, BoomerJR_265, BoomerJR_269, Braelyn_10, Braelyn_255, Brizzy_270, Cadmus_11, Cadmus_259, Coogler_11, Coogler_255, Coogler_257, Coogler_9, Cross_11, Cross_257, Cross_259, Cross_9, Cursive_261, Cursive_263, Cursive_7, Cursive_9, Daubenski_12, Daubenski_256, Davielle_258, Davielle_9, EGole_11, EGole_263, EGole_265, EGole_9, Eliot67_10, Eliot67_261, Evy_10, Evy_12, Evy_248, Evy_250, FreddyDRoo_10, FreddyDRoo_260, Genie2_10, Genie2_14, Genie2_265, Genie2_269, HangryHippo_11, HangryHippo_257, HangryHippo_259, HangryHippo_9, Jay2Jay_11, Jay2Jay_266, JimJam_13, JimJam_281, KentuckyRacer_12, KentuckyRacer_280, Larnav_11, Larnav_259, Larnav_261, Larnav_9, Leo04_260, Leo04_9, Liandry_10, Liandry_259, LilMartin_10, LilMartin_11, LilMartin_262, LilMartin_263, LilSaint_12, LilSaint_265, LukeCage_12, LukeCage_275, Lululemon_10, Lululemon_255, Lululemon_257, Lululemon_8, Marsus_10, Marsus_11, Marsus_267, Marsus_268, Mildred21_10, Mildred21_11, Mildred21_273, Mildred21_274, MulchMansion_10, MulchMansion_11, MulchMansion_266, MulchMansion_267, Navo_251, Navo_9, NootNoot_10, NootNoot_255, PacManQ_10, PacManQ_255, PacManQ_257, PacManQ_8, Paradiddles_10, Paradiddles_251, Peebs_11, Peebs_258, Pepperwood_10, Pepperwood_12, Pepperwood_259, Pepperwood_261, Persimmon_260, Persimmon_9, PinkiePie_10, PinkiePie_260, PynkPanther_10, PynkPanther_258, Riptide_12, Riptide_267, SaltySpitoon_273, Samisti12_10, Samisti12_261, Scheme_10, Scheme_12, Scheme_263, Scheme_265, Shuckle_10, Shuckle_11, Shuckle_258, Shuckle_259, Sollertia_10, Sollertia_266, Spilled_12, Spilled_280, Squillium_10, Squillium_262, Stanimal_10, Stanimal_14, Stanimal_265, Stanimal_269, Starbow_13, Starbow_270, Sushi23_10, Sushi23_12, Sushi23_262, Targaryen_10, Targaryen_260, Targaryen_261, Targaryen_9, Teutsch_11, Teutsch_256, Teutsch_258, Teutsch_9, Tribute_11, Tribute_255, Tribute_257, Tribute_9, Warpy_11, Warpy_263, WashU_10, WashU_254, Watermoore_11, Watermoore_256, Watermoore_258, Watermoore_9, WhereRU_258, WhereRU_9, Yaboi_10, Yaboi_271,

Genes that have the "Most Annotated" start but do not call it:
• AcciDwight_13, AcciDwight_283, AngryGiraffe_14, AngryGiraffe_270, Battuta_13, Battuta_270, Birchlyn_10, Bordeaux_13, Bordeaux_270, Brizzy_12, CeilingFan_12, CeilingFan_278, Daisy123_12, Daisy123_275, Elmer_12, Elmer_279, Enygma_11, Enygma_279, Gibbi_12, Gibbi_283, IchabodCrane_12, IchabodCrane_265, Jay2Jay_13, Jay2Jay_268, Jollison_13, Jollison_270, Karimac_13, Karimac_271, Leo04_11, Leo04_262, LilSaint_10, LilSaint_263, MindFlayer_12, MindFlayer_264, Mugiwara_11, Mugiwara_278, Peebs_256, Peebs_9, PumpkinSpice_13, PumpkinSpice_277, Quaran19_13, Quaran19_274, Rikishi_12, Rikishi_274, Riptide_10, Riptide_265, SaltySpitoon_13, Sollertia_14, Sollertia_270, Spelly_13, Spelly_279, TomSawyer_13, TomSawyer_278, Tuesday_13, Tuesday_281, Warpy_13, Warpy_265, WashU_12, WashU_256, Wipeout_12, Wipeout_265, Wofford_12, Wofford_270, Yaboi_14, Yaboi_275,

Genes that do not have the "Most Annotated" start:
• BillNye_210, Chaewon_214, Circinus_210, Muntaha_225, StarPlatinum_12, StarPlatinum_282, Tomas_15, Tomas_18, Tomas_271, Tomas_274, Wakanda_221,

Summary by start number:

Start 15:

• Found in 2 of 260 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 252
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tomas_15 (BE2), Tomas_271 (BE2),

Start 16:
• Found in 4 of 260 (1.5%) of genes in pham
• Manual Annotations of this start: 4 of 252
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jay2Jay_13 (BE1), Jay2Jay_268 (BE1), Warpy_13 (BE1), Warpy_265 (BE1),

Start 17:
• Found in 53 of 260 (20.4%) of genes in pham
• Manual Annotations of this start: 2 of 252
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Peebs_256 (BE1), Peebs_9 (BE1),

Start 18:
• Found in 8 of 260 (3.1%) of genes in pham
• Manual Annotations of this start: 4 of 252
• Called 50.0% of time when present
• Phage (with cluster) where this start called: LilSaint_10 (BE1), LilSaint_263 (BE1), Riptide_10 (BE1), Riptide_265 (BE1),

Start 22:
• Found in 5 of 260 (1.9%) of genes in pham
• Manual Annotations of this start: 5 of 252
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_210 (BK2), Chaewon_214 (BK2), Circinus_210 (BK2), Muntaha_225 (BK2), Wakanda_221 (BK2),

Start 23:
• Found in 249 of 260 (95.8%) of genes in pham
• Manual Annotations of this start: 182 of 252
• Called 73.9% of time when present
• Phage (with cluster) where this start called: Amabiko_13 (BE2), Amabiko_277 (BE2), Anedea_11 (BE1), Anedea_274 (BE1), Anedea_276 (BE1), Anedea_9 (BE1), Angela_10 (BE1), Angela_11 (BE1), Angela_267 (BE1), Angela_268 (BE1), AngryGiraffe_10 (BE2), AngryGiraffe_266 (BE2), ArianaSWT_11 (BE1), ArianaSWT_262 (BE1), ArianaSWT_264 (BE1), ArianaSWT_9 (BE1), Bartholomune_10 (BE1), Bartholomune_260 (BE1), Birchlyn_270 (BE2), BlueOtter_11 (BE1), BlueOtter_257 (BE1), BlueOtter_259 (BE1), BlueOtter_9 (BE1), Bmoc_10 (BE1), Bmoc_265 (BE1), Bmoc_266 (BE1), Bmoc_9 (BE1), BoomerJR_10 (BE2), BoomerJR_14 (BE2), BoomerJR_265 (BE2), BoomerJR_269 (BE2), Braelyn_10 (BE1), Braelyn_255 (BE1), Brizzy_270 (BE2), Cadmus_11 (BE1), Cadmus_259 (BE1), Coogler_11 (BE1), Coogler_255 (BE1), Coogler_257 (BE1), Coogler_9 (BE1), Cross_11 (BE1), Cross_257 (BE1), Cross_259 (BE1), Cross_9 (BE1), Cursive_261 (BE1), Cursive_263 (BE1), Cursive_7 (BE1), Cursive_9 (BE1), Daubenski_12 (BE1), Daubenski_256 (BE1), Davielle_258 (BE1), Davielle_9 (BE1), EGole_11 (BE1), EGole_263 (BE1), EGole_265 (BE1), EGole_9 (BE1), Eliot67_10 (BE1), Eliot67_261 (BE1), Evy_10 (BE1), Evy_12 (BE1), Evy_248 (BE1), Evy_250 (BE1), FreddyDRoo_10 (BE1), FreddyDRoo_260 (BE1), Genie2_10 (BE2),

Genie2_14 (BE2), Genie2_265 (BE2), Genie2_269 (BE2), HangryHippo_11 (BE1), HangryHippo_257 (BE1), HangryHippo_259 (BE1), HangryHippo_9 (BE1), Jay2Jay_11 (BE1), Jay2Jay_266 (BE1), JimJam_13 (BE2), JimJam_281 (BE2), KentuckyRacer_12 (BE2), KentuckyRacer_280 (BE2), Larnav_11 (BE1), Larnav_259 (BE1), Larnav_261 (BE1), Larnav_9 (BE1), Leo04_260 (BE1), Leo04_9 (BE1), Liandry_10 (BE1), Liandry_259 (BE1), LilMartin_10 (BE1), LilMartin_11 (BE1), LilMartin_262 (BE1), LilMartin_263 (BE1), LilSaint_12 (BE1), LilSaint_265 (BE1), LukeCage_12 (BE2), LukeCage_275 (BE2), Lululemon_10 (BE1), Lululemon_255 (BE1), Lululemon_257 (BE1), Lululemon_8 (BE1), Marsus_10 (BE1), Marsus_11 (BE1), Marsus_267 (BE1), Marsus_268 (BE1), Mildred21_10 (BE1), Mildred21_11 (BE1), Mildred21_273 (BE1), Mildred21_274 (BE1), MulchMansion_10 (BE1), MulchMansion_11 (BE1), MulchMansion_266 (BE1), MulchMansion_267 (BE1), Navo_251 (BE1), Navo_9 (BE1), NootNoot_10 (BE1), NootNoot_255 (BE1), PacManQ_10 (BE1), PacManQ_255 (BE1), PacManQ_257 (BE1), PacManQ_8 (BE1), Paradiddles_10 (BE1), Paradiddles_251 (BE1), Peebs_11 (BE1), Peebs_258 (BE1), Pepperwood_10 (BE1), Pepperwood_12 (BE1), Pepperwood_259 (BE1), Pepperwood_261 (BE1), Persimmon_260 (BE1), Persimmon_9 (BE1), PinkiePie_10 (BE1), PinkiePie_260 (BE1), PynkPanther_10 (BE1), PynkPanther_258 (BE1), Riptide_12 (BE1), Riptide_267 (BE1), SaltySpitoon_273 (BE2), Samisti12_10 (BE1), Samisti12_261 (BE1), Scheme_10 (BE1), Scheme_12 (BE1), Scheme_263 (BE1), Scheme_265 (BE1), Shuckle_10 (BE1), Shuckle_11 (BE1), Shuckle_258 (BE1), Shuckle_259 (BE1), Sollertia_10 (BE2), Sollertia_266 (BE2), Spilled_12 (BE2), Spilled_280 (BE2), Squillium_10 (BE1), Squillium_262 (BE1), Stanimal_10 (BE2), Stanimal_14 (BE2), Stanimal_265 (BE2), Stanimal_269 (BE2), Starbow_13 (BE2), Starbow_270 (BE2), Sushi23_10 (BE1), Sushi23_12 (BE1), Sushi23_262 (BE1), Targaryen_10 (BE1), Targaryen_260 (BE1), Targaryen_261 (BE1), Targaryen_9 (BE1), Teutsch_11 (BE1), Teutsch_256 (BE1), Teutsch_258 (BE1), Teutsch_9 (BE1), Tribute_11 (BE1), Tribute_255 (BE1), Tribute_257 (BE1), Tribute_9 (BE1), Warpy_11 (BE1), Warpy_263 (BE1), WashU_10 (BE1), WashU_254 (BE1), Watermoore_11 (BE1), Watermoore_256 (BE1), Watermoore_258 (BE1), Watermoore_9 (BE1), WhereRU_258 (BE1), WhereRU_9 (BE1), Yaboi_10 (BE2), Yaboi_271 (BE2),

Start 24:
• Found in 138 of 260 (53.1%) of genes in pham
• Manual Annotations of this start: 51 of 252
• Called 41.3% of time when present
• Phage (with cluster) where this start called: AcciDwight_13 (BE2), AcciDwight_283 (BE2), AngryGiraffe_14 (BE2), AngryGiraffe_270 (BE2), Battuta_13 (BE2), Battuta_270 (BE2), Birchlyn_10 (BE2), Bordeaux_13 (BE2), Bordeaux_270 (BE2), Brizzy_12 (BE2), CeilingFan_12 (BE2), CeilingFan_278 (BE2), Daisy123_12 (BE2), Daisy123_275 (BE2), Elmer_12 (BE2), Elmer_279 (BE2), Enygma_11 (BE2), Enygma_279 (BE2), Gibbi_12 (BE2), Gibbi_283 (BE2), IchabodCrane_12 (BE2), IchabodCrane_265 (BE2), Jollison_13 (BE2), Jollison_270 (BE2), Karimac_13 (BE2), Karimac_271 (BE2), Leo04_11 (BE1), Leo04_262 (BE1), MindFlayer_12 (BE2), MindFlayer_264 (BE2), Mugiwara_11 (BE2), Mugiwara_278 (BE2), PumpkinSpice_13 (BE2), PumpkinSpice_277 (BE2), Quaran19_13 (BE2), Quaran19_274 (BE2), Rikishi_12 (BE2), Rikishi_274 (BE2), SaltySpitoon_13 (BE2), Sollertia_14 (BE2), Sollertia_270 (BE2), Spelly_13 (BE2), Spelly_279 (BE2), StarPlatinum_12 (BE2), StarPlatinum_282 (BE2), TomSawyer_13 (BE2), TomSawyer_278 (BE2), Tuesday_13 (BE2), Tuesday_281 (BE2), WashU_12 (BE1), WashU_256 (BE1), Wipeout_12 (BE2), Wipeout_265 (BE2), Wofford_12 (BE2), Wofford_270 (BE2), Yaboi_14 (BE2), Yaboi_275 (BE2),

Start 28:
• Found in 4 of 260 (1.5%) of genes in pham
• Manual Annotations of this start: 2 of 252
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Tomas_18 (BE2), Tomas_274 (BE2),

Summary by clusters:

There are 3 clusters represented in this pham: BE2, BE1, BK2,

Info for manual annotations of cluster BE1:
•Start number 16 was manually annotated 4 times for cluster BE1.
•Start number 17 was manually annotated 2 times for cluster BE1.
•Start number 18 was manually annotated 4 times for cluster BE1.
•Start number 23 was manually annotated 149 times for cluster BE1.
•Start number 24 was manually annotated 4 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 15 was manually annotated 2 times for cluster BE2.
•Start number 23 was manually annotated 33 times for cluster BE2.
•Start number 24 was manually annotated 47 times for cluster BE2.
•Start number 28 was manually annotated 2 times for cluster BE2.

Info for manual annotations of cluster BK2:
•Start number 22 was manually annotated 5 times for cluster BK2.

Gene Information:

Gene: AcciDwight_283 Start: 127237, Stop: 126884, Start Num: 24
Candidate Starts for AcciDwight_283:
(Start: 23 @127243 has 182 MA's), (Start: 24 @127237 has 51 MA's), (27, 127222), (36, 127147), (41, 127126), (52, 127027), (72, 126898),

Gene: AcciDwight_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for AcciDwight_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Amabiko_13 Start: 7147, Stop: 6788, Start Num: 23
Candidate Starts for Amabiko_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Amabiko_277 Start: 125973, Stop: 125614, Start Num: 23
Candidate Starts for Amabiko_277:
(Start: 23 @125973 has 182 MA's), (Start: 24 @125967 has 51 MA's), (27, 125952), (36, 125877), (41, 125856), (52, 125757), (72, 125628),

Gene: Anedea_274 Start: 128991, Stop: 128683, Start Num: 23
Candidate Starts for Anedea_274:

(14, 129039), (Start: 17 @129027 has 2 MA's), (Start: 18 @129021 has 4 MA's), (20, 129015), (Start: 23 @128991 has 182 MA's), (39, 128919), (45, 128889), (47, 128844), (53, 128796), (57, 128781),

Gene: Anedea_276 Start: 129542, Stop: 129219, Start Num: 23
Candidate Starts for Anedea_276:
(Start: 23 @129542 has 182 MA's), (Start: 24 @129536 has 51 MA's), (42, 129455), (46, 129422), (51, 129362), (55, 129332), (57, 129323), (62, 129302), (71, 129245),

Gene: Anedea_9 Start: 5942, Stop: 5634, Start Num: 23
Candidate Starts for Anedea_9:
(14, 5990), (Start: 17 @5978 has 2 MA's), (Start: 18 @5972 has 4 MA's), (20, 5966), (Start: 23 @5942 has 182 MA's), (39, 5870), (45, 5840), (47, 5795), (53, 5747), (57, 5732),

Gene: Anedea_11 Start: 6493, Stop: 6170, Start Num: 23
Candidate Starts for Anedea_11:
(Start: 23 @6493 has 182 MA's), (Start: 24 @6487 has 51 MA's), (42, 6406), (46, 6373), (51, 6313), (55, 6283), (57, 6274), (62, 6253), (71, 6196),

Gene: Angela_267 Start: 128577, Stop: 128272, Start Num: 23
Candidate Starts for Angela_267:
(6, 128748), (11, 128640), (Start: 17 @128613 has 2 MA's), (Start: 23 @128577 has 182 MA's), (39, 128505), (43, 128487), (45, 128475), (47, 128430), (53, 128382), (55, 128376),

Gene: Angela_268 Start: 129119, Stop: 128820, Start Num: 23
Candidate Starts for Angela_268:
(Start: 23 @129119 has 182 MA's), (37, 129044), (38, 129038), (54, 128906), (57, 128894),

Gene: Angela_10 Start: 6174, Stop: 5869, Start Num: 23
Candidate Starts for Angela_10:
(6, 6345), (11, 6237), (Start: 17 @6210 has 2 MA's), (Start: 23 @6174 has 182 MA's), (39, 6102), (43, 6084), (45, 6072), (47, 6027), (53, 5979), (55, 5973),

Gene: Angela_11 Start: 6716, Stop: 6417, Start Num: 23
Candidate Starts for Angela_11:
(Start: 23 @6716 has 182 MA's), (37, 6641), (38, 6635), (54, 6503), (57, 6491),

Gene: AngryGiraffe_270 Start: 125467, Stop: 125111, Start Num: 24
Candidate Starts for AngryGiraffe_270:
(Start: 23 @125473 has 182 MA's), (Start: 24 @125467 has 51 MA's), (36, 125374), (41, 125353), (51, 125257), (52, 125254), (61, 125200), (72, 125125),

Gene: AngryGiraffe_266 Start: 123958, Stop: 123647, Start Num: 23
Candidate Starts for AngryGiraffe_266:
(Start: 23 @123958 has 182 MA's), (Start: 24 @123952 has 51 MA's), (30, 123931), (40, 123880), (48, 123802), (54, 123754), (58, 123739),

Gene: AngryGiraffe_14 Start: 7124, Stop: 6768, Start Num: 24
Candidate Starts for AngryGiraffe_14:
(Start: 23 @7130 has 182 MA's), (Start: 24 @7124 has 51 MA's), (36, 7031), (41, 7010), (51, 6914), (52, 6911), (61, 6857), (72, 6782),

Gene: AngryGiraffe_10 Start: 5615, Stop: 5304, Start Num: 23
Candidate Starts for AngryGiraffe_10:

(Start: 23 @5615 has 182 MA's), (Start: 24 @5609 has 51 MA's), (30, 5588), (40, 5537), (48, 5459), (54, 5411), (58, 5396),

Gene: ArianaSWT_264 Start: 129195, Stop: 128872, Start Num: 23
Candidate Starts for ArianaSWT_264:
(Start: 23 @129195 has 182 MA's), (Start: 24 @129189 has 51 MA's), (27, 129180), (42, 129108), (46, 129075), (51, 129015), (55, 128985), (57, 128976), (70, 128910), (71, 128898),

Gene: ArianaSWT_11 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for ArianaSWT_11:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: ArianaSWT_9 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for ArianaSWT_9:
(9, 5934), (11, 5874), (Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: ArianaSWT_262 Start: 128627, Stop: 128322, Start Num: 23
Candidate Starts for ArianaSWT_262:
(9, 128768), (11, 128708), (Start: 17 @128663 has 2 MA's), (Start: 23 @128627 has 182 MA's), (39, 128555), (45, 128525), (47, 128480), (55, 128426), (69, 128357),

Gene: Bartholomune_10 Start: 6043, Stop: 5744, Start Num: 23
Candidate Starts for Bartholomune_10:
(Start: 23 @6043 has 182 MA's), (38, 5962), (49, 5872), (50, 5869), (57, 5818),

Gene: Bartholomune_260 Start: 127142, Stop: 126843, Start Num: 23
Candidate Starts for Bartholomune_260:
(Start: 23 @127142 has 182 MA's), (38, 127061), (49, 126971), (50, 126968), (57, 126917),

Gene: Battuta_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for Battuta_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Battuta_270 Start: 125296, Stop: 124943, Start Num: 24
Candidate Starts for Battuta_270:
(Start: 23 @125302 has 182 MA's), (Start: 24 @125296 has 51 MA's), (27, 125281), (36, 125206), (41, 125185), (52, 125086), (72, 124957),

Gene: BillNye_210 Start: 109627, Stop: 109917, Start Num: 22
Candidate Starts for BillNye_210:
(13, 109582), (Start: 22 @109627 has 5 MA's), (30, 109657), (32, 109669), (44, 109732), (52, 109813), (57, 109849),

Gene: Birchlyn_270 Start: 121091, Stop: 120732, Start Num: 23
Candidate Starts for Birchlyn_270:
(Start: 23 @121091 has 182 MA's), (Start: 24 @121085 has 51 MA's), (27, 121070), (36, 120995), (41, 120974), (52, 120875), (72, 120746),

Gene: Birchlyn_10 Start: 4994, Stop: 4641, Start Num: 24
Candidate Starts for Birchlyn_10:

(Start: 23 @5000 has 182 MA's), (Start: 24 @4994 has 51 MA's), (27, 4979), (36, 4904), (41, 4883), (52, 4784), (72, 4655),

Gene: BlueOtter_9 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for BlueOtter_9:
(9, 5934), (11, 5874), (Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: BlueOtter_259 Start: 127448, Stop: 127125, Start Num: 23
Candidate Starts for BlueOtter_259:
(Start: 23 @127448 has 182 MA's), (Start: 24 @127442 has 51 MA's), (27, 127433), (42, 127361), (46, 127328), (51, 127268), (55, 127238), (57, 127229), (70, 127163), (71, 127151),

Gene: BlueOtter_257 Start: 126880, Stop: 126575, Start Num: 23
Candidate Starts for BlueOtter_257:
(9, 127021), (11, 126961), (Start: 17 @126916 has 2 MA's), (Start: 23 @126880 has 182 MA's), (39, 126808), (45, 126778), (47, 126733), (55, 126679), (69, 126610),

Gene: BlueOtter_11 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for BlueOtter_11:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: Bmoc_266 Start: 128418, Stop: 128119, Start Num: 23
Candidate Starts for Bmoc_266:
(Start: 23 @128418 has 182 MA's), (37, 128343), (38, 128337), (54, 128205), (57, 128193),

Gene: Bmoc_265 Start: 127855, Stop: 127547, Start Num: 23
Candidate Starts for Bmoc_265:
(Start: 17 @127891 has 2 MA's), (Start: 18 @127885 has 4 MA's), (20, 127879), (Start: 23 @127855 has 182 MA's), (39, 127783), (45, 127753), (47, 127708), (53, 127660), (55, 127654),

Gene: Bmoc_9 Start: 6033, Stop: 5725, Start Num: 23
Candidate Starts for Bmoc_9:
(Start: 17 @6069 has 2 MA's), (Start: 18 @6063 has 4 MA's), (20, 6057), (Start: 23 @6033 has 182 MA's), (39, 5961), (45, 5931), (47, 5886), (53, 5838), (55, 5832),

Gene: Bmoc_10 Start: 6596, Stop: 6297, Start Num: 23
Candidate Starts for Bmoc_10:
(Start: 23 @6596 has 182 MA's), (37, 6521), (38, 6515), (54, 6383), (57, 6371),

Gene: BoomerJR_14 Start: 7130, Stop: 6768, Start Num: 23
Candidate Starts for BoomerJR_14:
(Start: 23 @7130 has 182 MA's), (Start: 24 @7124 has 51 MA's), (36, 7031), (41, 7010), (51, 6914), (52, 6911), (61, 6857), (72, 6782),

Gene: BoomerJR_10 Start: 5615, Stop: 5304, Start Num: 23
Candidate Starts for BoomerJR_10:
(Start: 23 @5615 has 182 MA's), (Start: 24 @5609 has 51 MA's), (30, 5588), (40, 5537), (48, 5459), (54, 5411), (58, 5396),

Gene: BoomerJR_269 Start: 125918, Stop: 125556, Start Num: 23
Candidate Starts for BoomerJR_269:

(Start: 23 @125918 has 182 MA's), (Start: 24 @125912 has 51 MA's), (36, 125819), (41, 125798), (51, 125702), (52, 125699), (61, 125645), (72, 125570),

Gene: BoomerJR_265 Start: 124403, Stop: 124092, Start Num: 23
Candidate Starts for BoomerJR_265:
(Start: 23 @124403 has 182 MA's), (Start: 24 @124397 has 51 MA's), (30, 124376), (40, 124325), (48, 124247), (54, 124199), (58, 124184),

Gene: Bordeaux_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for Bordeaux_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Bordeaux_270 Start: 125879, Stop: 125526, Start Num: 24
Candidate Starts for Bordeaux_270:
(Start: 23 @125885 has 182 MA's), (Start: 24 @125879 has 51 MA's), (27, 125864), (36, 125789), (41, 125768), (52, 125669), (72, 125540),

Gene: Braelyn_10 Start: 6055, Stop: 5756, Start Num: 23
Candidate Starts for Braelyn_10:
(Start: 23 @6055 has 182 MA's), (38, 5974), (49, 5884), (50, 5881), (57, 5830),

Gene: Braelyn_255 Start: 126465, Stop: 126166, Start Num: 23
Candidate Starts for Braelyn_255:
(Start: 23 @126465 has 182 MA's), (38, 126384), (49, 126294), (50, 126291), (57, 126240),

Gene: Brizzy_270 Start: 126004, Stop: 125645, Start Num: 23
Candidate Starts for Brizzy_270:
(Start: 23 @126004 has 182 MA's), (Start: 24 @125998 has 51 MA's), (27, 125983), (36, 125908), (41, 125887), (52, 125788), (72, 125659),

Gene: Brizzy_12 Start: 6730, Stop: 6377, Start Num: 24
Candidate Starts for Brizzy_12:
(Start: 23 @6736 has 182 MA's), (Start: 24 @6730 has 51 MA's), (27, 6715), (36, 6640), (41, 6619), (52, 6520), (72, 6391),

Gene: Cadmus_259 Start: 129067, Stop: 128759, Start Num: 23
Candidate Starts for Cadmus_259:
(Start: 23 @129067 has 182 MA's), (38, 128986), (48, 128899), (58, 128836), (66, 128797),

Gene: Cadmus_11 Start: 6586, Stop: 6278, Start Num: 23
Candidate Starts for Cadmus_11:
(Start: 23 @6586 has 182 MA's), (38, 6505), (48, 6418), (58, 6355), (66, 6316),

Gene: CeilingFan_12 Start: 6752, Stop: 6399, Start Num: 24
Candidate Starts for CeilingFan_12:
(Start: 23 @6758 has 182 MA's), (Start: 24 @6752 has 51 MA's), (27, 6737), (36, 6662), (41, 6641), (52, 6542), (72, 6413),

Gene: CeilingFan_278 Start: 127359, Stop: 127006, Start Num: 24
Candidate Starts for CeilingFan_278:
(Start: 23 @127365 has 182 MA's), (Start: 24 @127359 has 51 MA's), (27, 127344), (36, 127269), (41, 127248), (52, 127149), (72, 127020),

Gene: Chaewon_214 Start: 109768, Stop: 110058, Start Num: 22
Candidate Starts for Chaewon_214:
(Start: 22 @109768 has 5 MA's), (30, 109798), (44, 109873), (52, 109954), (58, 109993),

Gene: Circinus_210 Start: 109217, Stop: 109507, Start Num: 22
Candidate Starts for Circinus_210:
(13, 109172), (21, 109214), (Start: 22 @109217 has 5 MA's), (30, 109247), (32, 109259), (44, 109322), (52, 109403), (57, 109439),

Gene: Coogler_11 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for Coogler_11:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: Coogler_257 Start: 127873, Stop: 127550, Start Num: 23
Candidate Starts for Coogler_257:
(Start: 23 @127873 has 182 MA's), (Start: 24 @127867 has 51 MA's), (27, 127858), (42, 127786), (46, 127753), (51, 127693), (55, 127663), (57, 127654), (70, 127588), (71, 127576),

Gene: Coogler_255 Start: 127305, Stop: 127000, Start Num: 23
Candidate Starts for Coogler_255:
(9, 127446), (11, 127386), (Start: 17 @127341 has 2 MA's), (Start: 23 @127305 has 182 MA's), (39, 127233), (45, 127203), (47, 127158), (55, 127104), (69, 127035),

Gene: Coogler_9 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for Coogler_9:
(9, 5934), (11, 5874), (Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: Cross_9 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for Cross_9:
(9, 5934), (11, 5874), (Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: Cross_11 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for Cross_11:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: Cross_259 Start: 128093, Stop: 127770, Start Num: 23
Candidate Starts for Cross_259:
(Start: 23 @128093 has 182 MA's), (Start: 24 @128087 has 51 MA's), (27, 128078), (42, 128006), (46, 127973), (51, 127913), (55, 127883), (57, 127874), (70, 127808), (71, 127796),

Gene: Cross_257 Start: 127525, Stop: 127220, Start Num: 23
Candidate Starts for Cross_257:
(9, 127666), (11, 127606), (Start: 17 @127561 has 2 MA's), (Start: 23 @127525 has 182 MA's), (39, 127453), (45, 127423), (47, 127378), (55, 127324), (69, 127255),

Gene: Cursive_261 Start: 126620, Stop: 126315, Start Num: 23
Candidate Starts for Cursive_261:

(9, 126761), (11, 126701), (Start: 17 @126656 has 2 MA's), (Start: 23 @126620 has 182 MA's), (39, 126548), (45, 126518), (47, 126473), (55, 126419), (69, 126350),

Gene: Cursive_9 Start: 5179, Stop: 4856, Start Num: 23
Candidate Starts for Cursive_9:
(Start: 23 @5179 has 182 MA's), (Start: 24 @5173 has 51 MA's), (27, 5164), (42, 5092), (46, 5059), (51, 4999), (55, 4969), (57, 4960), (70, 4894), (71, 4882),

Gene: Cursive_7 Start: 4611, Stop: 4306, Start Num: 23
Candidate Starts for Cursive_7:
(9, 4752), (11, 4692), (Start: 17 @4647 has 2 MA's), (Start: 23 @4611 has 182 MA's), (39, 4539), (45, 4509), (47, 4464), (55, 4410), (69, 4341),

Gene: Cursive_263 Start: 127188, Stop: 126865, Start Num: 23
Candidate Starts for Cursive_263:
(Start: 23 @127188 has 182 MA's), (Start: 24 @127182 has 51 MA's), (27, 127173), (42, 127101), (46, 127068), (51, 127008), (55, 126978), (57, 126969), (70, 126903), (71, 126891),

Gene: Daisy123_12 Start: 6751, Stop: 6398, Start Num: 24
Candidate Starts for Daisy123_12:
(Start: 23 @6757 has 182 MA's), (Start: 24 @6751 has 51 MA's), (27, 6736), (36, 6661), (41, 6640), (52, 6541), (72, 6412),

Gene: Daisy123_275 Start: 126611, Stop: 126258, Start Num: 24
Candidate Starts for Daisy123_275:
(Start: 23 @126617 has 182 MA's), (Start: 24 @126611 has 51 MA's), (27, 126596), (36, 126521), (41, 126500), (52, 126401), (72, 126272),

Gene: Daubenski_12 Start: 6584, Stop: 6276, Start Num: 23
Candidate Starts for Daubenski_12:
(Start: 23 @6584 has 182 MA's), (38, 6503), (48, 6416), (58, 6353), (66, 6314),

Gene: Daubenski_256 Start: 128960, Stop: 128652, Start Num: 23
Candidate Starts for Daubenski_256:
(Start: 23 @128960 has 182 MA's), (38, 128879), (48, 128792), (58, 128729), (66, 128690),

Gene: Davielle_258 Start: 127001, Stop: 126702, Start Num: 23
Candidate Starts for Davielle_258:
(Start: 23 @127001 has 182 MA's), (38, 126920), (49, 126830), (50, 126827), (57, 126776),

Gene: Davielle_9 Start: 5841, Stop: 5542, Start Num: 23
Candidate Starts for Davielle_9:
(Start: 23 @5841 has 182 MA's), (38, 5760), (49, 5670), (50, 5667), (57, 5616),

Gene: EGole_9 Start: 6213, Stop: 5908, Start Num: 23
Candidate Starts for EGole_9:
(9, 6354), (11, 6294), (Start: 17 @6249 has 2 MA's), (Start: 23 @6213 has 182 MA's), (39, 6141), (45, 6111), (47, 6066), (55, 6012), (69, 5943),

Gene: EGole_263 Start: 130525, Stop: 130220, Start Num: 23
Candidate Starts for EGole_263:
(9, 130666), (11, 130606), (Start: 17 @130561 has 2 MA's), (Start: 23 @130525 has 182 MA's), (39, 130453), (45, 130423), (47, 130378), (55, 130324), (69, 130255),

Gene: EGole_265 Start: 131094, Stop: 130771, Start Num: 23
Candidate Starts for EGole_265:
(Start: 23 @131094 has 182 MA's), (Start: 24 @131088 has 51 MA's), (27, 131079), (42, 131007), (46, 130974), (51, 130914), (55, 130884), (57, 130875), (70, 130809), (71, 130797),

Gene: EGole_11 Start: 6782, Stop: 6459, Start Num: 23
Candidate Starts for EGole_11:
(Start: 23 @6782 has 182 MA's), (Start: 24 @6776 has 51 MA's), (27, 6767), (42, 6695), (46, 6662), (51, 6602), (55, 6572), (57, 6563), (70, 6497), (71, 6485),

Gene: Eliot67_261 Start: 126857, Stop: 126558, Start Num: 23
Candidate Starts for Eliot67_261:
(Start: 23 @126857 has 182 MA's), (38, 126776), (49, 126686), (50, 126683), (57, 126632),

Gene: Eliot67_10 Start: 6043, Stop: 5744, Start Num: 23
Candidate Starts for Eliot67_10:
(Start: 23 @6043 has 182 MA's), (38, 5962), (49, 5872), (50, 5869), (57, 5818),

Gene: Elmer_12 Start: 6271, Stop: 5918, Start Num: 24
Candidate Starts for Elmer_12:
(Start: 23 @6277 has 182 MA's), (Start: 24 @6271 has 51 MA's), (36, 6181), (41, 6160), (48, 6085), (51, 6064), (54, 6037), (72, 5932),

Gene: Elmer_279 Start: 128639, Stop: 128286, Start Num: 24
Candidate Starts for Elmer_279:
(Start: 23 @128645 has 182 MA's), (Start: 24 @128639 has 51 MA's), (36, 128549), (41, 128528), (48, 128453), (51, 128432), (54, 128405), (72, 128300),

Gene: Enygma_279 Start: 128827, Stop: 128474, Start Num: 24
Candidate Starts for Enygma_279:
(Start: 23 @128833 has 182 MA's), (Start: 24 @128827 has 51 MA's), (27, 128812), (36, 128737), (41, 128716), (52, 128617), (53, 128596), (72, 128488),

Gene: Enygma_11 Start: 6403, Stop: 6050, Start Num: 24
Candidate Starts for Enygma_11:
(Start: 23 @6409 has 182 MA's), (Start: 24 @6403 has 51 MA's), (27, 6388), (36, 6313), (41, 6292), (52, 6193), (53, 6172), (72, 6064),

Gene: Evy_12 Start: 6669, Stop: 6367, Start Num: 23
Candidate Starts for Evy_12:
(1, 6999), (2, 6972), (3, 6906), (4, 6882), (5, 6876), (8, 6822), (Start: 23 @6669 has 182 MA's), (38, 6588), (49, 6498), (58, 6441), (59, 6435), (65, 6405),

Gene: Evy_10 Start: 6128, Stop: 5823, Start Num: 23
Candidate Starts for Evy_10:
(Start: 23 @6128 has 182 MA's), (39, 6056), (45, 6026), (47, 5981), (52, 5954), (53, 5933), (55, 5927), (69, 5858),

Gene: Evy_250 Start: 128398, Stop: 128096, Start Num: 23
Candidate Starts for Evy_250:
(1, 128728), (2, 128701), (3, 128635), (4, 128611), (5, 128605), (8, 128551), (Start: 23 @128398 has 182 MA's), (38, 128317), (49, 128227), (58, 128170), (59, 128164), (65, 128134),

Gene: Evy_248 Start: 127857, Stop: 127552, Start Num: 23
Candidate Starts for Evy_248:
(Start: 23 @127857 has 182 MA's), (39, 127785), (45, 127755), (47, 127710), (52, 127683), (53, 127662), (55, 127656), (69, 127587),

Gene: FreddyDRoo_10 Start: 6043, Stop: 5744, Start Num: 23
Candidate Starts for FreddyDRoo_10:
(Start: 23 @6043 has 182 MA's), (38, 5962), (49, 5872), (50, 5869), (57, 5818),

Gene: FreddyDRoo_260 Start: 126857, Stop: 126558, Start Num: 23
Candidate Starts for FreddyDRoo_260:
(Start: 23 @126857 has 182 MA's), (38, 126776), (49, 126686), (50, 126683), (57, 126632),

Gene: Genie2_14 Start: 7130, Stop: 6768, Start Num: 23
Candidate Starts for Genie2_14:
(Start: 23 @7130 has 182 MA's), (Start: 24 @7124 has 51 MA's), (36, 7031), (41, 7010), (51, 6914), (52, 6911), (61, 6857), (72, 6782),

Gene: Genie2_10 Start: 5615, Stop: 5304, Start Num: 23
Candidate Starts for Genie2_10:
(Start: 23 @5615 has 182 MA's), (Start: 24 @5609 has 51 MA's), (30, 5588), (40, 5537), (48, 5459), (54, 5411), (58, 5396),

Gene: Genie2_269 Start: 126031, Stop: 125669, Start Num: 23
Candidate Starts for Genie2_269:
(Start: 23 @126031 has 182 MA's), (Start: 24 @126025 has 51 MA's), (36, 125932), (41, 125911), (51, 125815), (52, 125812), (61, 125758), (72, 125683),

Gene: Genie2_265 Start: 124516, Stop: 124205, Start Num: 23
Candidate Starts for Genie2_265:
(Start: 23 @124516 has 182 MA's), (Start: 24 @124510 has 51 MA's), (30, 124489), (40, 124438), (48, 124360), (54, 124312), (58, 124297),

Gene: Gibbi_12 Start: 6752, Stop: 6399, Start Num: 24
Candidate Starts for Gibbi_12:
(Start: 23 @6758 has 182 MA's), (Start: 24 @6752 has 51 MA's), (27, 6737), (36, 6662), (41, 6641), (52, 6542), (72, 6413),

Gene: Gibbi_283 Start: 126852, Stop: 126499, Start Num: 24
Candidate Starts for Gibbi_283:
(Start: 23 @126858 has 182 MA's), (Start: 24 @126852 has 51 MA's), (27, 126837), (36, 126762), (41, 126741), (52, 126642), (72, 126513),

Gene: HangryHippo_9 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for HangryHippo_9:
(9, 5934), (11, 5874), (Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: HangryHippo_259 Start: 127448, Stop: 127125, Start Num: 23
Candidate Starts for HangryHippo_259:
(Start: 23 @127448 has 182 MA's), (Start: 24 @127442 has 51 MA's), (27, 127433), (42, 127361), (46, 127328), (51, 127268), (55, 127238), (57, 127229), (70, 127163), (71, 127151),

Gene: HangryHippo_11 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for HangryHippo_11:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: HangryHippo_257 Start: 126880, Stop: 126575, Start Num: 23
Candidate Starts for HangryHippo_257:
(9, 127021), (11, 126961), (Start: 17 @126916 has 2 MA's), (Start: 23 @126880 has 182 MA's), (39, 126808), (45, 126778), (47, 126733), (55, 126679), (69, 126610),

Gene: IchabodCrane_12 Start: 6749, Stop: 6396, Start Num: 24
Candidate Starts for IchabodCrane_12:
(Start: 23 @6755 has 182 MA's), (Start: 24 @6749 has 51 MA's), (27, 6734), (36, 6659), (41, 6638), (52, 6539), (72, 6410),

Gene: IchabodCrane_265 Start: 125292, Stop: 124939, Start Num: 24
Candidate Starts for IchabodCrane_265:
(Start: 23 @125298 has 182 MA's), (Start: 24 @125292 has 51 MA's), (27, 125277), (36, 125202), (41, 125181), (52, 125082), (72, 124953),

Gene: Jay2Jay_13 Start: 6415, Stop: 6071, Start Num: 16
Candidate Starts for Jay2Jay_13:
(Start: 16 @6415 has 4 MA's), (Start: 23 @6373 has 182 MA's), (38, 6292), (49, 6202), (58, 6145), (59, 6139), (65, 6109),

Gene: Jay2Jay_266 Start: 127925, Stop: 127620, Start Num: 23
Candidate Starts for Jay2Jay_266:
(Start: 23 @127925 has 182 MA's), (39, 127853), (45, 127823), (47, 127778), (52, 127751), (53, 127730), (55, 127724), (69, 127655),

Gene: Jay2Jay_268 Start: 128508, Stop: 128164, Start Num: 16
Candidate Starts for Jay2Jay_268:
(Start: 16 @128508 has 4 MA's), (Start: 23 @128466 has 182 MA's), (38, 128385), (49, 128295), (58, 128238), (59, 128232), (65, 128202),

Gene: Jay2Jay_11 Start: 5832, Stop: 5527, Start Num: 23
Candidate Starts for Jay2Jay_11:
(Start: 23 @5832 has 182 MA's), (39, 5760), (45, 5730), (47, 5685), (52, 5658), (53, 5637), (55, 5631), (69, 5562),

Gene: JimJam_281 Start: 128682, Stop: 128323, Start Num: 23
Candidate Starts for JimJam_281:
(Start: 23 @128682 has 182 MA's), (Start: 24 @128676 has 51 MA's), (27, 128661), (36, 128586), (41, 128565), (52, 128466), (72, 128337),

Gene: JimJam_13 Start: 7146, Stop: 6787, Start Num: 23
Candidate Starts for JimJam_13:
(Start: 23 @7146 has 182 MA's), (Start: 24 @7140 has 51 MA's), (27, 7125), (36, 7050), (41, 7029), (52, 6930), (72, 6801),

Gene: Jollison_270 Start: 125816, Stop: 125463, Start Num: 24
Candidate Starts for Jollison_270:

(Start: 23 @125822 has 182 MA's), (Start: 24 @125816 has 51 MA's), (27, 125801), (36, 125726), (41, 125705), (52, 125606), (72, 125477),

Gene: Jollison_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for Jollison_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Karimac_271 Start: 126462, Stop: 126109, Start Num: 24
Candidate Starts for Karimac_271:
(Start: 23 @126468 has 182 MA's), (Start: 24 @126462 has 51 MA's), (27, 126447), (36, 126372), (41, 126351), (52, 126252), (72, 126123),

Gene: Karimac_13 Start: 7143, Stop: 6790, Start Num: 24
Candidate Starts for Karimac_13:
(Start: 23 @7149 has 182 MA's), (Start: 24 @7143 has 51 MA's), (27, 7128), (36, 7053), (41, 7032), (52, 6933), (72, 6804),

Gene: KentuckyRacer_280 Start: 128210, Stop: 127851, Start Num: 23
Candidate Starts for KentuckyRacer_280:
(Start: 23 @128210 has 182 MA's), (Start: 24 @128204 has 51 MA's), (27, 128189), (36, 128114), (41, 128093), (52, 127994), (72, 127865),

Gene: KentuckyRacer_12 Start: 6759, Stop: 6400, Start Num: 23
Candidate Starts for KentuckyRacer_12:
(Start: 23 @6759 has 182 MA's), (Start: 24 @6753 has 51 MA's), (27, 6738), (36, 6663), (41, 6642), (52, 6543), (72, 6414),

Gene: Larnav_11 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for Larnav_11:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: Larnav_9 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for Larnav_9:
(9, 5934), (11, 5874), (Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: Larnav_259 Start: 127798, Stop: 127493, Start Num: 23
Candidate Starts for Larnav_259:
(9, 127939), (11, 127879), (Start: 17 @127834 has 2 MA's), (Start: 23 @127798 has 182 MA's), (39, 127726), (45, 127696), (47, 127651), (55, 127597), (69, 127528),

Gene: Larnav_261 Start: 128366, Stop: 128043, Start Num: 23
Candidate Starts for Larnav_261:
(Start: 23 @128366 has 182 MA's), (Start: 24 @128360 has 51 MA's), (27, 128351), (42, 128279), (46, 128246), (51, 128186), (55, 128156), (57, 128147), (70, 128081), (71, 128069),

Gene: Leo04_260 Start: 127910, Stop: 127605, Start Num: 23
Candidate Starts for Leo04_260:
(9, 128051), (11, 127991), (Start: 17 @127946 has 2 MA's), (Start: 23 @127910 has 182 MA's), (39, 127838), (45, 127808), (47, 127763), (55, 127709), (69, 127640),

Gene: Leo04_262 Start: 128472, Stop: 128155, Start Num: 24
Candidate Starts for Leo04_262:
(Start: 23 @128478 has 182 MA's), (Start: 24 @128472 has 51 MA's), (27, 128463), (42, 128391), (46, 128358), (51, 128298), (55, 128268), (57, 128259), (70, 128193), (71, 128181),

Gene: Leo04_11 Start: 6354, Stop: 6037, Start Num: 24
Candidate Starts for Leo04_11:
(Start: 23 @6360 has 182 MA's), (Start: 24 @6354 has 51 MA's), (27, 6345), (42, 6273), (46, 6240), (51, 6180), (55, 6150), (57, 6141), (70, 6075), (71, 6063),

Gene: Leo04_9 Start: 5792, Stop: 5487, Start Num: 23
Candidate Starts for Leo04_9:
(9, 5933), (11, 5873), (Start: 17 @5828 has 2 MA's), (Start: 23 @5792 has 182 MA's), (39, 5720), (45, 5690), (47, 5645), (55, 5591), (69, 5522),

Gene: Liandry_259 Start: 127564, Stop: 127265, Start Num: 23
Candidate Starts for Liandry_259:
(Start: 23 @127564 has 182 MA's), (38, 127483), (49, 127393), (50, 127390), (57, 127339),

Gene: Liandry_10 Start: 6043, Stop: 5744, Start Num: 23
Candidate Starts for Liandry_10:
(Start: 23 @6043 has 182 MA's), (38, 5962), (49, 5872), (50, 5869), (57, 5818),

Gene: LilMartin_263 Start: 128036, Stop: 127737, Start Num: 23
Candidate Starts for LilMartin_263:
(Start: 23 @128036 has 182 MA's), (38, 127955), (49, 127865), (50, 127862), (57, 127811),

Gene: LilMartin_11 Start: 6692, Stop: 6393, Start Num: 23
Candidate Starts for LilMartin_11:
(Start: 23 @6692 has 182 MA's), (38, 6611), (49, 6521), (50, 6518), (57, 6467),

Gene: LilMartin_10 Start: 6160, Stop: 5855, Start Num: 23
Candidate Starts for LilMartin_10:
(8, 6298), (11, 6226), (Start: 17 @6196 has 2 MA's), (Start: 23 @6160 has 182 MA's), (39, 6088), (43, 6070), (45, 6058), (47, 6013), (55, 5959), (64, 5923),

Gene: LilMartin_262 Start: 127504, Stop: 127199, Start Num: 23
Candidate Starts for LilMartin_262:
(8, 127642), (11, 127570), (Start: 17 @127540 has 2 MA's), (Start: 23 @127504 has 182 MA's), (39, 127432), (43, 127414), (45, 127402), (47, 127357), (55, 127303), (64, 127267),

Gene: LilSaint_263 Start: 127835, Stop: 127497, Start Num: 18
Candidate Starts for LilSaint_263:
(14, 127853), (Start: 17 @127841 has 2 MA's), (Start: 18 @127835 has 4 MA's), (20, 127829), (Start: 23 @127805 has 182 MA's), (39, 127733), (45, 127703), (47, 127658), (53, 127610),

Gene: LilSaint_265 Start: 128356, Stop: 128033, Start Num: 23
Candidate Starts for LilSaint_265:
(Start: 23 @128356 has 182 MA's), (Start: 24 @128350 has 51 MA's), (42, 128269), (46, 128236), (51, 128176), (55, 128146), (57, 128137), (62, 128116), (71, 128059), (73, 128041),

Gene: LilSaint_12 Start: 6506, Stop: 6183, Start Num: 23
Candidate Starts for LilSaint_12:

(Start: 23 @6506 has 182 MA's), (Start: 24 @6500 has 51 MA's), (42, 6419), (46, 6386), (51, 6326), (55, 6296), (57, 6287), (62, 6266), (71, 6209), (73, 6191),

Gene: LilSaint_10 Start: 5985, Stop: 5647, Start Num: 18
Candidate Starts for LilSaint_10:
(14, 6003), (Start: 17 @5991 has 2 MA's), (Start: 18 @5985 has 4 MA's), (20, 5979), (Start: 23 @5955 has 182 MA's), (39, 5883), (45, 5853), (47, 5808), (53, 5760),

Gene: LukeCage_12 Start: 6689, Stop: 6330, Start Num: 23
Candidate Starts for LukeCage_12:
(Start: 23 @6689 has 182 MA's), (Start: 24 @6683 has 51 MA's), (27, 6668), (36, 6593), (41, 6572), (48, 6497), (52, 6473), (72, 6344),

Gene: LukeCage_275 Start: 127593, Stop: 127234, Start Num: 23
Candidate Starts for LukeCage_275:
(Start: 23 @127593 has 182 MA's), (Start: 24 @127587 has 51 MA's), (27, 127572), (36, 127497), (41, 127476), (48, 127401), (52, 127377), (72, 127248),

Gene: Lululemon_257 Start: 126633, Stop: 126310, Start Num: 23
Candidate Starts for Lululemon_257:
(Start: 23 @126633 has 182 MA's), (Start: 24 @126627 has 51 MA's), (27, 126618), (42, 126546), (46, 126513), (51, 126453), (55, 126423), (57, 126414), (70, 126348), (71, 126336),

Gene: Lululemon_255 Start: 126065, Stop: 125760, Start Num: 23
Candidate Starts for Lululemon_255:
(9, 126206), (11, 126146), (Start: 17 @126101 has 2 MA's), (Start: 23 @126065 has 182 MA's), (39, 125993), (45, 125963), (47, 125918), (55, 125864), (69, 125795),

Gene: Lululemon_8 Start: 5173, Stop: 4868, Start Num: 23
Candidate Starts for Lululemon_8:
(9, 5314), (11, 5254), (Start: 17 @5209 has 2 MA's), (Start: 23 @5173 has 182 MA's), (39, 5101), (45, 5071), (47, 5026), (55, 4972), (69, 4903),

Gene: Lululemon_10 Start: 5741, Stop: 5418, Start Num: 23
Candidate Starts for Lululemon_10:
(Start: 23 @5741 has 182 MA's), (Start: 24 @5735 has 51 MA's), (27, 5726), (42, 5654), (46, 5621), (51, 5561), (55, 5531), (57, 5522), (70, 5456), (71, 5444),

Gene: Marsus_268 Start: 130400, Stop: 130101, Start Num: 23
Candidate Starts for Marsus_268:
(Start: 23 @130400 has 182 MA's), (37, 130325), (38, 130319), (54, 130187), (57, 130175),

Gene: Marsus_267 Start: 129863, Stop: 129558, Start Num: 23
Candidate Starts for Marsus_267:
(Start: 23 @129863 has 182 MA's), (39, 129791), (43, 129773), (45, 129761), (47, 129716), (53, 129668), (55, 129662),

Gene: Marsus_10 Start: 6159, Stop: 5854, Start Num: 23
Candidate Starts for Marsus_10:
(Start: 23 @6159 has 182 MA's), (39, 6087), (43, 6069), (45, 6057), (47, 6012), (53, 5964), (55, 5958),

Gene: Marsus_11 Start: 6696, Stop: 6397, Start Num: 23
Candidate Starts for Marsus_11:

(Start: 23 @6696 has 182 MA's), (37, 6621), (38, 6615), (54, 6483), (57, 6471),

Gene: Mildred21_274 Start: 127436, Stop: 127137, Start Num: 23
Candidate Starts for Mildred21_274:
(Start: 23 @127436 has 182 MA's), (38, 127355), (49, 127265), (50, 127262), (57, 127211), (58, 127208),

Gene: Mildred21_273 Start: 126906, Stop: 126598, Start Num: 23
Candidate Starts for Mildred21_273:
(Start: 23 @126906 has 182 MA's), (29, 126879), (39, 126834), (45, 126804), (47, 126759), (52, 126732),

Gene: Mildred21_11 Start: 6278, Stop: 5979, Start Num: 23
Candidate Starts for Mildred21_11:
(Start: 23 @6278 has 182 MA's), (38, 6197), (49, 6107), (50, 6104), (57, 6053), (58, 6050),

Gene: Mildred21_10 Start: 5748, Stop: 5440, Start Num: 23
Candidate Starts for Mildred21_10:
(Start: 23 @5748 has 182 MA's), (29, 5721), (39, 5676), (45, 5646), (47, 5601), (52, 5574),

Gene: MindFlayer_264 Start: 124811, Stop: 124458, Start Num: 24
Candidate Starts for MindFlayer_264:
(Start: 23 @124817 has 182 MA's), (Start: 24 @124811 has 51 MA's), (27, 124796), (36, 124721), (41, 124700), (52, 124601), (72, 124472),

Gene: MindFlayer_12 Start: 6751, Stop: 6398, Start Num: 24
Candidate Starts for MindFlayer_12:
(Start: 23 @6757 has 182 MA's), (Start: 24 @6751 has 51 MA's), (27, 6736), (36, 6661), (41, 6640), (52, 6541), (72, 6412),

Gene: Mugiwara_278 Start: 127795, Stop: 127442, Start Num: 24
Candidate Starts for Mugiwara_278:
(Start: 23 @127801 has 182 MA's), (Start: 24 @127795 has 51 MA's), (27, 127780), (36, 127705), (41, 127684), (52, 127585), (68, 127489), (72, 127456),

Gene: Mugiwara_11 Start: 6410, Stop: 6057, Start Num: 24
Candidate Starts for Mugiwara_11:
(Start: 23 @6416 has 182 MA's), (Start: 24 @6410 has 51 MA's), (27, 6395), (36, 6320), (41, 6299), (52, 6200), (68, 6104), (72, 6071),

Gene: MulchMansion_10 Start: 6160, Stop: 5855, Start Num: 23
Candidate Starts for MulchMansion_10:
(8, 6298), (11, 6226), (Start: 17 @6196 has 2 MA's), (Start: 23 @6160 has 182 MA's), (39, 6088), (43, 6070), (45, 6058), (47, 6013), (55, 5959), (64, 5923),

Gene: MulchMansion_266 Start: 129138, Stop: 128833, Start Num: 23
Candidate Starts for MulchMansion_266:
(8, 129276), (11, 129204), (Start: 17 @129174 has 2 MA's), (Start: 23 @129138 has 182 MA's), (39, 129066), (43, 129048), (45, 129036), (47, 128991), (55, 128937), (64, 128901),

Gene: MulchMansion_267 Start: 129670, Stop: 129371, Start Num: 23
Candidate Starts for MulchMansion_267:
(Start: 23 @129670 has 182 MA's), (38, 129589), (49, 129499), (50, 129496), (57, 129445),

Gene: MulchMansion_11 Start: 6692, Stop: 6393, Start Num: 23
Candidate Starts for MulchMansion_11:
(Start: 23 @6692 has 182 MA's), (38, 6611), (49, 6521), (50, 6518), (57, 6467),

Gene: Muntaha_225 Start: 109742, Stop: 110029, Start Num: 22
Candidate Starts for Muntaha_225:
(Start: 22 @109742 has 5 MA's), (Start: 24 @109751 has 51 MA's), (25, 109754), (30, 109772), (35, 109808), (44, 109844), (67, 110018),

Gene: Navo_251 Start: 125466, Stop: 125167, Start Num: 23
Candidate Starts for Navo_251:
(Start: 23 @125466 has 182 MA's), (38, 125385), (49, 125295), (50, 125292), (57, 125241),

Gene: Navo_9 Start: 5841, Stop: 5542, Start Num: 23
Candidate Starts for Navo_9:
(Start: 23 @5841 has 182 MA's), (38, 5760), (49, 5670), (50, 5667), (57, 5616),

Gene: NootNoot_255 Start: 126352, Stop: 126053, Start Num: 23
Candidate Starts for NootNoot_255:
(Start: 23 @126352 has 182 MA's), (38, 126271), (49, 126181), (50, 126178), (57, 126127),

Gene: NootNoot_10 Start: 6053, Stop: 5754, Start Num: 23
Candidate Starts for NootNoot_10:
(Start: 23 @6053 has 182 MA's), (38, 5972), (49, 5882), (50, 5879), (57, 5828),

Gene: PacManQ_255 Start: 126065, Stop: 125760, Start Num: 23
Candidate Starts for PacManQ_255:
(9, 126206), (11, 126146), (Start: 17 @126101 has 2 MA's), (Start: 23 @126065 has 182 MA's), (39, 125993), (45, 125963), (47, 125918), (55, 125864), (69, 125795),

Gene: PacManQ_10 Start: 5741, Stop: 5418, Start Num: 23
Candidate Starts for PacManQ_10:
(Start: 23 @5741 has 182 MA's), (Start: 24 @5735 has 51 MA's), (27, 5726), (42, 5654), (46, 5621), (51, 5561), (55, 5531), (57, 5522), (70, 5456), (71, 5444),

Gene: PacManQ_257 Start: 126633, Stop: 126310, Start Num: 23
Candidate Starts for PacManQ_257:
(Start: 23 @126633 has 182 MA's), (Start: 24 @126627 has 51 MA's), (27, 126618), (42, 126546), (46, 126513), (51, 126453), (55, 126423), (57, 126414), (70, 126348), (71, 126336),

Gene: PacManQ_8 Start: 5173, Stop: 4868, Start Num: 23
Candidate Starts for PacManQ_8:
(9, 5314), (11, 5254), (Start: 17 @5209 has 2 MA's), (Start: 23 @5173 has 182 MA's), (39, 5101), (45, 5071), (47, 5026), (55, 4972), (69, 4903),

Gene: Paradiddles_10 Start: 6043, Stop: 5744, Start Num: 23
Candidate Starts for Paradiddles_10:
(Start: 23 @6043 has 182 MA's), (38, 5962), (49, 5872), (50, 5869), (57, 5818),

Gene: Paradiddles_251 Start: 128751, Stop: 128452, Start Num: 23
Candidate Starts for Paradiddles_251:
(Start: 23 @128751 has 182 MA's), (38, 128670), (49, 128580), (50, 128577), (57, 128526),

Gene: Peebs_256 Start: 127803, Stop: 127462, Start Num: 17
Candidate Starts for Peebs_256:
(9, 127908), (11, 127848), (Start: 17 @127803 has 2 MA's), (Start: 23 @127767 has 182 MA's), (39, 127695), (45, 127665), (47, 127620), (55, 127566), (69, 127497),

Gene: Peebs_258 Start: 128335, Stop: 128012, Start Num: 23
Candidate Starts for Peebs_258:
(Start: 23 @128335 has 182 MA's), (Start: 24 @128329 has 51 MA's), (27, 128320), (42, 128248), (46, 128215), (51, 128155), (55, 128125), (57, 128116), (70, 128050), (71, 128038),

Gene: Peebs_9 Start: 5828, Stop: 5487, Start Num: 17
Candidate Starts for Peebs_9:
(9, 5933), (11, 5873), (Start: 17 @5828 has 2 MA's), (Start: 23 @5792 has 182 MA's), (39, 5720), (45, 5690), (47, 5645), (55, 5591), (69, 5522),

Gene: Peebs_11 Start: 6360, Stop: 6037, Start Num: 23
Candidate Starts for Peebs_11:
(Start: 23 @6360 has 182 MA's), (Start: 24 @6354 has 51 MA's), (27, 6345), (42, 6273), (46, 6240), (51, 6180), (55, 6150), (57, 6141), (70, 6075), (71, 6063),

Gene: Pepperwood_12 Start: 6515, Stop: 6192, Start Num: 23
Candidate Starts for Pepperwood_12:
(Start: 23 @6515 has 182 MA's), (Start: 24 @6509 has 51 MA's), (27, 6500), (42, 6428), (46, 6395), (51, 6335), (55, 6305), (57, 6296), (70, 6230), (71, 6218),

Gene: Pepperwood_10 Start: 5947, Stop: 5642, Start Num: 23
Candidate Starts for Pepperwood_10:
(9, 6088), (11, 6028), (Start: 17 @5983 has 2 MA's), (Start: 23 @5947 has 182 MA's), (39, 5875), (45, 5845), (47, 5800), (55, 5746), (69, 5677),

Gene: Pepperwood_259 Start: 127732, Stop: 127427, Start Num: 23
Candidate Starts for Pepperwood_259:
(9, 127873), (11, 127813), (Start: 17 @127768 has 2 MA's), (Start: 23 @127732 has 182 MA's), (39, 127660), (45, 127630), (47, 127585), (55, 127531), (69, 127462),

Gene: Pepperwood_261 Start: 128300, Stop: 127977, Start Num: 23
Candidate Starts for Pepperwood_261:
(Start: 23 @128300 has 182 MA's), (Start: 24 @128294 has 51 MA's), (27, 128285), (42, 128213), (46, 128180), (51, 128120), (55, 128090), (57, 128081), (70, 128015), (71, 128003),

Gene: Persimmon_260 Start: 126652, Stop: 126353, Start Num: 23
Candidate Starts for Persimmon_260:
(Start: 23 @126652 has 182 MA's), (38, 126571), (49, 126481), (50, 126478), (57, 126427),

Gene: Persimmon_9 Start: 5841, Stop: 5542, Start Num: 23
Candidate Starts for Persimmon_9:
(Start: 23 @5841 has 182 MA's), (38, 5760), (49, 5670), (50, 5667), (57, 5616),

Gene: PinkiePie_10 Start: 6043, Stop: 5744, Start Num: 23
Candidate Starts for PinkiePie_10:
(Start: 23 @6043 has 182 MA's), (38, 5962), (49, 5872), (50, 5869), (57, 5818),

Gene: PinkiePie_260 Start: 127564, Stop: 127265, Start Num: 23
Candidate Starts for PinkiePie_260:
(Start: 23 @127564 has 182 MA's), (38, 127483), (49, 127393), (50, 127390), (57, 127339),

Gene: PumpkinSpice_277 Start: 127033, Stop: 126680, Start Num: 24
Candidate Starts for PumpkinSpice_277:
(Start: 23 @127039 has 182 MA's), (Start: 24 @127033 has 51 MA's), (27, 127018), (36, 126943), (41, 126922), (52, 126823), (72, 126694),

Gene: PumpkinSpice_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for PumpkinSpice_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: PynkPanther_10 Start: 6032, Stop: 5733, Start Num: 23
Candidate Starts for PynkPanther_10:
(Start: 23 @6032 has 182 MA's), (38, 5951), (49, 5861), (50, 5858), (57, 5807),

Gene: PynkPanther_258 Start: 128321, Stop: 128022, Start Num: 23
Candidate Starts for PynkPanther_258:
(Start: 23 @128321 has 182 MA's), (38, 128240), (49, 128150), (50, 128147), (57, 128096),

Gene: Quaran19_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for Quaran19_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Quaran19_274 Start: 126323, Stop: 125970, Start Num: 24
Candidate Starts for Quaran19_274:
(Start: 23 @126329 has 182 MA's), (Start: 24 @126323 has 51 MA's), (27, 126308), (36, 126233), (41, 126212), (52, 126113), (72, 125984),

Gene: Rikishi_12 Start: 6751, Stop: 6398, Start Num: 24
Candidate Starts for Rikishi_12:
(Start: 23 @6757 has 182 MA's), (Start: 24 @6751 has 51 MA's), (27, 6736), (36, 6661), (41, 6640), (52, 6541), (72, 6412),

Gene: Rikishi_274 Start: 126824, Stop: 126471, Start Num: 24
Candidate Starts for Rikishi_274:
(Start: 23 @126830 has 182 MA's), (Start: 24 @126824 has 51 MA's), (27, 126809), (36, 126734), (41, 126713), (52, 126614), (72, 126485),

Gene: Riptide_12 Start: 6772, Stop: 6449, Start Num: 23
Candidate Starts for Riptide_12:
(Start: 23 @6772 has 182 MA's), (Start: 24 @6766 has 51 MA's), (42, 6685), (46, 6652), (51, 6592), (55, 6562), (57, 6553), (62, 6532), (71, 6475),

Gene: Riptide_10 Start: 6251, Stop: 5916, Start Num: 18
Candidate Starts for Riptide_10:
(12, 6269), (Start: 17 @6257 has 2 MA's), (Start: 18 @6251 has 4 MA's), (20, 6245), (Start: 23 @6221 has 182 MA's), (39, 6149), (43, 6131), (45, 6119), (47, 6074), (53, 6026), (55, 6020),

Gene: Riptide_267 Start: 128224, Stop: 127901, Start Num: 23

Candidate Starts for Riptide_267:
(Start: 23 @128224 has 182 MA's), (Start: 24 @128218 has 51 MA's), (42, 128137), (46, 128104), (51, 128044), (55, 128014), (57, 128005), (62, 127984), (71, 127927),

Gene: Riptide_265 Start: 127703, Stop: 127368, Start Num: 18
Candidate Starts for Riptide_265:
(12, 127721), (Start: 17 @127709 has 2 MA's), (Start: 18 @127703 has 4 MA's), (20, 127697), (Start: 23 @127673 has 182 MA's), (39, 127601), (43, 127583), (45, 127571), (47, 127526), (53, 127478), (55, 127472),

Gene: SaltySpitoon_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for SaltySpitoon_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: SaltySpitoon_273 Start: 125411, Stop: 125052, Start Num: 23
Candidate Starts for SaltySpitoon_273:
(Start: 23 @125411 has 182 MA's), (Start: 24 @125405 has 51 MA's), (27, 125390), (36, 125315), (41, 125294), (52, 125195), (72, 125066),

Gene: Samisti12_261 Start: 129404, Stop: 129081, Start Num: 23
Candidate Starts for Samisti12_261:
(Start: 23 @129404 has 182 MA's), (Start: 24 @129398 has 51 MA's), (27, 129389), (42, 129317), (46, 129284), (51, 129224), (55, 129194), (57, 129185), (70, 129119), (71, 129107),

Gene: Samisti12_10 Start: 6360, Stop: 6037, Start Num: 23
Candidate Starts for Samisti12_10:
(Start: 23 @6360 has 182 MA's), (Start: 24 @6354 has 51 MA's), (27, 6345), (42, 6273), (46, 6240), (51, 6180), (55, 6150), (57, 6141), (70, 6075), (71, 6063),

Gene: Scheme_265 Start: 129710, Stop: 129387, Start Num: 23
Candidate Starts for Scheme_265:
(Start: 23 @129710 has 182 MA's), (Start: 24 @129704 has 51 MA's), (27, 129695), (42, 129623), (46, 129590), (51, 129530), (55, 129500), (57, 129491), (70, 129425), (71, 129413),

Gene: Scheme_12 Start: 6515, Stop: 6192, Start Num: 23
Candidate Starts for Scheme_12:
(Start: 23 @6515 has 182 MA's), (Start: 24 @6509 has 51 MA's), (27, 6500), (42, 6428), (46, 6395), (51, 6335), (55, 6305), (57, 6296), (70, 6230), (71, 6218),

Gene: Scheme_10 Start: 5947, Stop: 5642, Start Num: 23
Candidate Starts for Scheme_10:
(9, 6088), (11, 6028), (Start: 17 @5983 has 2 MA's), (Start: 23 @5947 has 182 MA's), (39, 5875), (45, 5845), (47, 5800), (55, 5746), (69, 5677),

Gene: Scheme_263 Start: 129142, Stop: 128837, Start Num: 23
Candidate Starts for Scheme_263:
(9, 129283), (11, 129223), (Start: 17 @129178 has 2 MA's), (Start: 23 @129142 has 182 MA's), (39, 129070), (45, 129040), (47, 128995), (55, 128941), (69, 128872),

Gene: Shuckle_10 Start: 6235, Stop: 5930, Start Num: 23
Candidate Starts for Shuckle_10:

(7, 6397), (11, 6316), (Start: 17 @6271 has 2 MA's), (Start: 23 @6235 has 182 MA's), (39, 6163), (45, 6133), (47, 6088), (53, 6040), (55, 6034),

Gene: Shuckle_11 Start: 6805, Stop: 6482, Start Num: 23
Candidate Starts for Shuckle_11:
(Start: 23 @6805 has 182 MA's), (Start: 24 @6799 has 51 MA's), (27, 6790), (42, 6718), (46, 6685), (51, 6625), (55, 6595), (57, 6586), (70, 6520), (71, 6508),

Gene: Shuckle_258 Start: 128868, Stop: 128563, Start Num: 23
Candidate Starts for Shuckle_258:
(7, 129030), (11, 128949), (Start: 17 @128904 has 2 MA's), (Start: 23 @128868 has 182 MA's), (39, 128796), (45, 128766), (47, 128721), (53, 128673), (55, 128667),

Gene: Shuckle_259 Start: 129438, Stop: 129115, Start Num: 23
Candidate Starts for Shuckle_259:
(Start: 23 @129438 has 182 MA's), (Start: 24 @129432 has 51 MA's), (27, 129423), (42, 129351), (46, 129318), (51, 129258), (55, 129228), (57, 129219), (70, 129153), (71, 129141),

Gene: Sollertia_10 Start: 5615, Stop: 5304, Start Num: 23
Candidate Starts for Sollertia_10:
(Start: 23 @5615 has 182 MA's), (Start: 24 @5609 has 51 MA's), (30, 5588), (40, 5537), (48, 5459), (54, 5411), (58, 5396),

Gene: Sollertia_14 Start: 7124, Stop: 6768, Start Num: 24
Candidate Starts for Sollertia_14:
(Start: 23 @7130 has 182 MA's), (Start: 24 @7124 has 51 MA's), (36, 7031), (41, 7010), (51, 6914), (52, 6911), (61, 6857), (72, 6782),

Gene: Sollertia_266 Start: 124505, Stop: 124194, Start Num: 23
Candidate Starts for Sollertia_266:
(Start: 23 @124505 has 182 MA's), (Start: 24 @124499 has 51 MA's), (30, 124478), (40, 124427), (48, 124349), (54, 124301), (58, 124286),

Gene: Sollertia_270 Start: 126014, Stop: 125658, Start Num: 24
Candidate Starts for Sollertia_270:
(Start: 23 @126020 has 182 MA's), (Start: 24 @126014 has 51 MA's), (36, 125921), (41, 125900), (51, 125804), (52, 125801), (61, 125747), (72, 125672),

Gene: Spelly_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for Spelly_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Spelly_279 Start: 125945, Stop: 125592, Start Num: 24
Candidate Starts for Spelly_279:
(Start: 23 @125951 has 182 MA's), (Start: 24 @125945 has 51 MA's), (27, 125930), (36, 125855), (41, 125834), (52, 125735), (72, 125606),

Gene: Spilled_12 Start: 6757, Stop: 6398, Start Num: 23
Candidate Starts for Spilled_12:
(Start: 23 @6757 has 182 MA's), (Start: 24 @6751 has 51 MA's), (27, 6736), (36, 6661), (41, 6640), (52, 6541), (72, 6412),

Gene: Spilled_280 Start: 127226, Stop: 126867, Start Num: 23
Candidate Starts for Spilled_280:
(Start: 23 @127226 has 182 MA's), (Start: 24 @127220 has 51 MA's), (27, 127205), (36, 127130), (41, 127109), (52, 127010), (72, 126881),

Gene: Squillium_10 Start: 6043, Stop: 5744, Start Num: 23
Candidate Starts for Squillium_10:
(Start: 23 @6043 has 182 MA's), (38, 5962), (49, 5872), (50, 5869), (57, 5818),

Gene: Squillium_262 Start: 127567, Stop: 127268, Start Num: 23
Candidate Starts for Squillium_262:
(Start: 23 @127567 has 182 MA's), (38, 127486), (49, 127396), (50, 127393), (57, 127342),

Gene: Stanimal_10 Start: 5615, Stop: 5304, Start Num: 23
Candidate Starts for Stanimal_10:
(Start: 23 @5615 has 182 MA's), (Start: 24 @5609 has 51 MA's), (30, 5588), (40, 5537), (48, 5459), (54, 5411), (58, 5396),

Gene: Stanimal_269 Start: 126404, Stop: 126042, Start Num: 23
Candidate Starts for Stanimal_269:
(Start: 23 @126404 has 182 MA's), (Start: 24 @126398 has 51 MA's), (36, 126305), (41, 126284), (51, 126188), (52, 126185), (61, 126131), (72, 126056),

Gene: Stanimal_14 Start: 7130, Stop: 6768, Start Num: 23
Candidate Starts for Stanimal_14:
(Start: 23 @7130 has 182 MA's), (Start: 24 @7124 has 51 MA's), (36, 7031), (41, 7010), (51, 6914), (52, 6911), (61, 6857), (72, 6782),

Gene: Stanimal_265 Start: 124889, Stop: 124578, Start Num: 23
Candidate Starts for Stanimal_265:
(Start: 23 @124889 has 182 MA's), (Start: 24 @124883 has 51 MA's), (30, 124862), (40, 124811), (48, 124733), (54, 124685), (58, 124670),

Gene: StarPlatinum_282 Start: 128529, Stop: 128176, Start Num: 24
Candidate Starts for StarPlatinum_282:
(Start: 24 @128529 has 51 MA's), (26, 128523), (27, 128514), (36, 128439), (41, 128418), (52, 128319), (68, 128223), (72, 128190),

Gene: StarPlatinum_12 Start: 6842, Stop: 6489, Start Num: 24
Candidate Starts for StarPlatinum_12:
(Start: 24 @6842 has 51 MA's), (26, 6836), (27, 6827), (36, 6752), (41, 6731), (52, 6632), (68, 6536), (72, 6503),

Gene: Starbow_13 Start: 7147, Stop: 6788, Start Num: 23
Candidate Starts for Starbow_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Starbow_270 Start: 125995, Stop: 125636, Start Num: 23
Candidate Starts for Starbow_270:
(Start: 23 @125995 has 182 MA's), (Start: 24 @125989 has 51 MA's), (27, 125974), (36, 125899), (41, 125878), (52, 125779), (72, 125650),

Gene: Sushi23_10 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for Sushi23_10:
(9, 5934), (11, 5874), (Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: Sushi23_12 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for Sushi23_12:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: Sushi23_262 Start: 129204, Stop: 128881, Start Num: 23
Candidate Starts for Sushi23_262:
(Start: 23 @129204 has 182 MA's), (Start: 24 @129198 has 51 MA's), (27, 129189), (42, 129117), (46, 129084), (51, 129024), (55, 128994), (57, 128985), (70, 128919), (71, 128907),

Gene: Targaryen_261 Start: 130341, Stop: 130033, Start Num: 23
Candidate Starts for Targaryen_261:
(1, 130671), (2, 130644), (3, 130578), (4, 130554), (5, 130548), (8, 130494), (Start: 23 @130341 has 182 MA's), (Start: 28 @130317 has 2 MA's), (38, 130260), (48, 130173), (58, 130110), (66, 130071),

Gene: Targaryen_260 Start: 129804, Stop: 129499, Start Num: 23
Candidate Starts for Targaryen_260:
(Start: 23 @129804 has 182 MA's), (39, 129732), (45, 129702), (47, 129657), (52, 129630), (53, 129609), (55, 129603), (69, 129534),

Gene: Targaryen_9 Start: 6128, Stop: 5823, Start Num: 23
Candidate Starts for Targaryen_9:
(Start: 23 @6128 has 182 MA's), (39, 6056), (45, 6026), (47, 5981), (52, 5954), (53, 5933), (55, 5927), (69, 5858),

Gene: Targaryen_10 Start: 6665, Stop: 6357, Start Num: 23
Candidate Starts for Targaryen_10:
(1, 6995), (2, 6968), (3, 6902), (4, 6878), (5, 6872), (8, 6818), (Start: 23 @6665 has 182 MA's), (Start: 28 @6641 has 2 MA's), (38, 6584), (48, 6497), (58, 6434), (66, 6395),

Gene: Teutsch_9 Start: 5794, Stop: 5489, Start Num: 23
Candidate Starts for Teutsch_9:
(9, 5935), (11, 5875), (Start: 17 @5830 has 2 MA's), (Start: 23 @5794 has 182 MA's), (39, 5722), (45, 5692), (47, 5647), (55, 5593), (69, 5524),

Gene: Teutsch_11 Start: 6362, Stop: 6039, Start Num: 23
Candidate Starts for Teutsch_11:
(Start: 23 @6362 has 182 MA's), (Start: 24 @6356 has 51 MA's), (27, 6347), (42, 6275), (46, 6242), (51, 6182), (55, 6152), (57, 6143), (70, 6077), (71, 6065),

Gene: Teutsch_258 Start: 128571, Stop: 128248, Start Num: 23
Candidate Starts for Teutsch_258:
(Start: 23 @128571 has 182 MA's), (Start: 24 @128565 has 51 MA's), (27, 128556), (42, 128484), (46, 128451), (51, 128391), (55, 128361), (57, 128352), (70, 128286), (71, 128274),

Gene: Teutsch_256 Start: 128003, Stop: 127698, Start Num: 23
Candidate Starts for Teutsch_256:

(9, 128144), (11, 128084), (Start: 17 @128039 has 2 MA's), (Start: 23 @128003 has 182 MA's), (39, 127931), (45, 127901), (47, 127856), (55, 127802), (69, 127733),

Gene: TomSawyer_13 Start: 6734, Stop: 6381, Start Num: 24
Candidate Starts for TomSawyer_13:
(Start: 23 @6740 has 182 MA's), (Start: 24 @6734 has 51 MA's), (27, 6719), (36, 6644), (41, 6623), (52, 6524), (72, 6395),

Gene: TomSawyer_278 Start: 128513, Stop: 128160, Start Num: 24
Candidate Starts for TomSawyer_278:
(Start: 23 @128519 has 182 MA's), (Start: 24 @128513 has 51 MA's), (27, 128498), (36, 128423), (41, 128402), (52, 128303), (72, 128174),

Gene: Tomas_18 Start: 8698, Stop: 8333, Start Num: 28
Candidate Starts for Tomas_18:
(10, 8866), (19, 8755), (Start: 28 @8698 has 2 MA's), (31, 8689), (33, 8650), (34, 8641), (46, 8569), (54, 8482), (56, 8473),

Gene: Tomas_15 Start: 7771, Stop: 7403, Start Num: 15
Candidate Starts for Tomas_15:
(Start: 15 @7771 has 2 MA's), (Start: 24 @7720 has 51 MA's), (41, 7633), (52, 7534), (54, 7510), (60, 7486), (63, 7471),

Gene: Tomas_274 Start: 130405, Stop: 130040, Start Num: 28
Candidate Starts for Tomas_274:
(10, 130573), (19, 130462), (Start: 28 @130405 has 2 MA's), (31, 130396), (33, 130357), (34, 130348), (46, 130276), (54, 130189), (56, 130180),

Gene: Tomas_271 Start: 129478, Stop: 129110, Start Num: 15
Candidate Starts for Tomas_271:
(Start: 15 @129478 has 2 MA's), (Start: 24 @129427 has 51 MA's), (41, 129340), (52, 129241), (54, 129217), (60, 129193), (63, 129178),

Gene: Tribute_255 Start: 128337, Stop: 128032, Start Num: 23
Candidate Starts for Tribute_255:
(Start: 17 @128373 has 2 MA's), (Start: 23 @128337 has 182 MA's), (39, 128265), (45, 128235), (47, 128190), (55, 128136), (69, 128067),

Gene: Tribute_11 Start: 6361, Stop: 6038, Start Num: 23
Candidate Starts for Tribute_11:
(Start: 23 @6361 has 182 MA's), (Start: 24 @6355 has 51 MA's), (27, 6346), (42, 6274), (46, 6241), (51, 6181), (55, 6151), (57, 6142), (70, 6076), (71, 6064),

Gene: Tribute_9 Start: 5793, Stop: 5488, Start Num: 23
Candidate Starts for Tribute_9:
(Start: 17 @5829 has 2 MA's), (Start: 23 @5793 has 182 MA's), (39, 5721), (45, 5691), (47, 5646), (55, 5592), (69, 5523),

Gene: Tribute_257 Start: 128905, Stop: 128582, Start Num: 23
Candidate Starts for Tribute_257:
(Start: 23 @128905 has 182 MA's), (Start: 24 @128899 has 51 MA's), (27, 128890), (42, 128818), (46, 128785), (51, 128725), (55, 128695), (57, 128686), (70, 128620), (71, 128608),

Gene: Tuesday_13 Start: 7141, Stop: 6788, Start Num: 24
Candidate Starts for Tuesday_13:
(Start: 23 @7147 has 182 MA's), (Start: 24 @7141 has 51 MA's), (27, 7126), (36, 7051), (41, 7030), (52, 6931), (72, 6802),

Gene: Tuesday_281 Start: 126389, Stop: 126036, Start Num: 24
Candidate Starts for Tuesday_281:
(Start: 23 @126395 has 182 MA's), (Start: 24 @126389 has 51 MA's), (27, 126374), (36, 126299), (41, 126278), (52, 126179), (72, 126050),

Gene: Wakanda_221 Start: 108728, Stop: 109015, Start Num: 22
Candidate Starts for Wakanda_221:
(Start: 22 @108728 has 5 MA's), (Start: 24 @108737 has 51 MA's), (25, 108740), (30, 108758), (35, 108794), (44, 108830), (67, 109004),

Gene: Warpy_265 Start: 127974, Stop: 127630, Start Num: 16
Candidate Starts for Warpy_265:
(Start: 16 @127974 has 4 MA's), (Start: 23 @127932 has 182 MA's), (38, 127851), (49, 127761), (58, 127704), (59, 127698), (65, 127668),

Gene: Warpy_263 Start: 127391, Stop: 127086, Start Num: 23
Candidate Starts for Warpy_263:
(Start: 23 @127391 has 182 MA's), (39, 127319), (45, 127289), (47, 127244), (52, 127217), (53, 127196), (55, 127190), (69, 127121),

Gene: Warpy_13 Start: 6436, Stop: 6092, Start Num: 16
Candidate Starts for Warpy_13:
(Start: 16 @6436 has 4 MA's), (Start: 23 @6394 has 182 MA's), (38, 6313), (49, 6223), (58, 6166), (59, 6160), (65, 6130),

Gene: Warpy_11 Start: 5853, Stop: 5548, Start Num: 23
Candidate Starts for Warpy_11:
(Start: 23 @5853 has 182 MA's), (39, 5781), (45, 5751), (47, 5706), (52, 5679), (53, 5658), (55, 5652), (69, 5583),

Gene: WashU_10 Start: 5947, Stop: 5642, Start Num: 23
Candidate Starts for WashU_10:
(9, 6088), (11, 6028), (Start: 17 @5983 has 2 MA's), (Start: 23 @5947 has 182 MA's), (39, 5875), (45, 5845), (47, 5800), (55, 5746), (69, 5677),

Gene: WashU_12 Start: 6509, Stop: 6192, Start Num: 24
Candidate Starts for WashU_12:
(Start: 23 @6515 has 182 MA's), (Start: 24 @6509 has 51 MA's), (27, 6500), (42, 6428), (46, 6395), (51, 6335), (55, 6305), (57, 6296), (70, 6230), (71, 6218),

Gene: WashU_256 Start: 128503, Stop: 128186, Start Num: 24
Candidate Starts for WashU_256:
(Start: 23 @128509 has 182 MA's), (Start: 24 @128503 has 51 MA's), (27, 128494), (42, 128422), (46, 128389), (51, 128329), (55, 128299), (57, 128290), (70, 128224), (71, 128212),

Gene: WashU_254 Start: 127941, Stop: 127636, Start Num: 23
Candidate Starts for WashU_254:

(9, 128082), (11, 128022), (Start: 17 @127977 has 2 MA's), (Start: 23 @127941 has 182 MA's), (39, 127869), (45, 127839), (47, 127794), (55, 127740), (69, 127671),

Gene: Watermoore_258 Start: 128958, Stop: 128635, Start Num: 23
Candidate Starts for Watermoore_258:
(Start: 23 @128958 has 182 MA's), (Start: 24 @128952 has 51 MA's), (27, 128943), (42, 128871), (46, 128838), (51, 128778), (55, 128748), (57, 128739), (70, 128673), (71, 128661),

Gene: Watermoore_256 Start: 128390, Stop: 128085, Start Num: 23
Candidate Starts for Watermoore_256:
(9, 128531), (11, 128471), (Start: 17 @128426 has 2 MA's), (Start: 23 @128390 has 182 MA's), (39, 128318), (45, 128288), (47, 128243), (55, 128189), (69, 128120),

Gene: Watermoore_11 Start: 6362, Stop: 6039, Start Num: 23
Candidate Starts for Watermoore_11:
(Start: 23 @6362 has 182 MA's), (Start: 24 @6356 has 51 MA's), (27, 6347), (42, 6275), (46, 6242), (51, 6182), (55, 6152), (57, 6143), (70, 6077), (71, 6065),

Gene: Watermoore_9 Start: 5794, Stop: 5489, Start Num: 23
Candidate Starts for Watermoore_9:
(9, 5935), (11, 5875), (Start: 17 @5830 has 2 MA's), (Start: 23 @5794 has 182 MA's), (39, 5722), (45, 5692), (47, 5647), (55, 5593), (69, 5524),

Gene: WhereRU_9 Start: 5841, Stop: 5542, Start Num: 23
Candidate Starts for WhereRU_9:
(Start: 23 @5841 has 182 MA's), (38, 5760), (49, 5670), (50, 5667), (57, 5616),

Gene: WhereRU_258 Start: 126986, Stop: 126687, Start Num: 23
Candidate Starts for WhereRU_258:
(Start: 23 @126986 has 182 MA's), (38, 126905), (49, 126815), (50, 126812), (57, 126761),

Gene: Wipeout_265 Start: 127487, Stop: 127134, Start Num: 24
Candidate Starts for Wipeout_265:
(Start: 23 @127493 has 182 MA's), (Start: 24 @127487 has 51 MA's), (27, 127472), (36, 127397), (41, 127376), (52, 127277), (72, 127148),

Gene: Wipeout_12 Start: 6756, Stop: 6403, Start Num: 24
Candidate Starts for Wipeout_12:
(Start: 23 @6762 has 182 MA's), (Start: 24 @6756 has 51 MA's), (27, 6741), (36, 6666), (41, 6645), (52, 6546), (72, 6417),

Gene: Wofford_270 Start: 128069, Stop: 127716, Start Num: 24
Candidate Starts for Wofford_270:
(Start: 23 @128075 has 182 MA's), (Start: 24 @128069 has 51 MA's), (36, 127979), (41, 127958), (48, 127883), (51, 127862), (72, 127730),

Gene: Wofford_12 Start: 6276, Stop: 5923, Start Num: 24
Candidate Starts for Wofford_12:
(Start: 23 @6282 has 182 MA's), (Start: 24 @6276 has 51 MA's), (36, 6186), (41, 6165), (48, 6090), (51, 6069), (72, 5937),

Gene: Yaboi_271 Start: 124433, Stop: 124122, Start Num: 23
Candidate Starts for Yaboi_271:

(Start: 23 @124433 has 182 MA's), (Start: 24 @124427 has 51 MA's), (30, 124406), (40, 124355), (48, 124277), (54, 124229), (58, 124214),

Gene: Yaboi_10 Start: 5615, Stop: 5304, Start Num: 23
Candidate Starts for Yaboi_10:
(Start: 23 @5615 has 182 MA's), (Start: 24 @5609 has 51 MA's), (30, 5588), (40, 5537), (48, 5459), (54, 5411), (58, 5396),

Gene: Yaboi_275 Start: 125942, Stop: 125586, Start Num: 24
Candidate Starts for Yaboi_275:
(Start: 23 @125948 has 182 MA's), (Start: 24 @125942 has 51 MA's), (36, 125849), (41, 125828), (51, 125732), (52, 125729), (61, 125675), (72, 125600),

Gene: Yaboi_14 Start: 7124, Stop: 6768, Start Num: 24
Candidate Starts for Yaboi_14:
(Start: 23 @7130 has 182 MA's), (Start: 24 @7124 has 51 MA's), (36, 7031), (41, 7010), (51, 6914), (52, 6911), (61, 6857), (72, 6782),