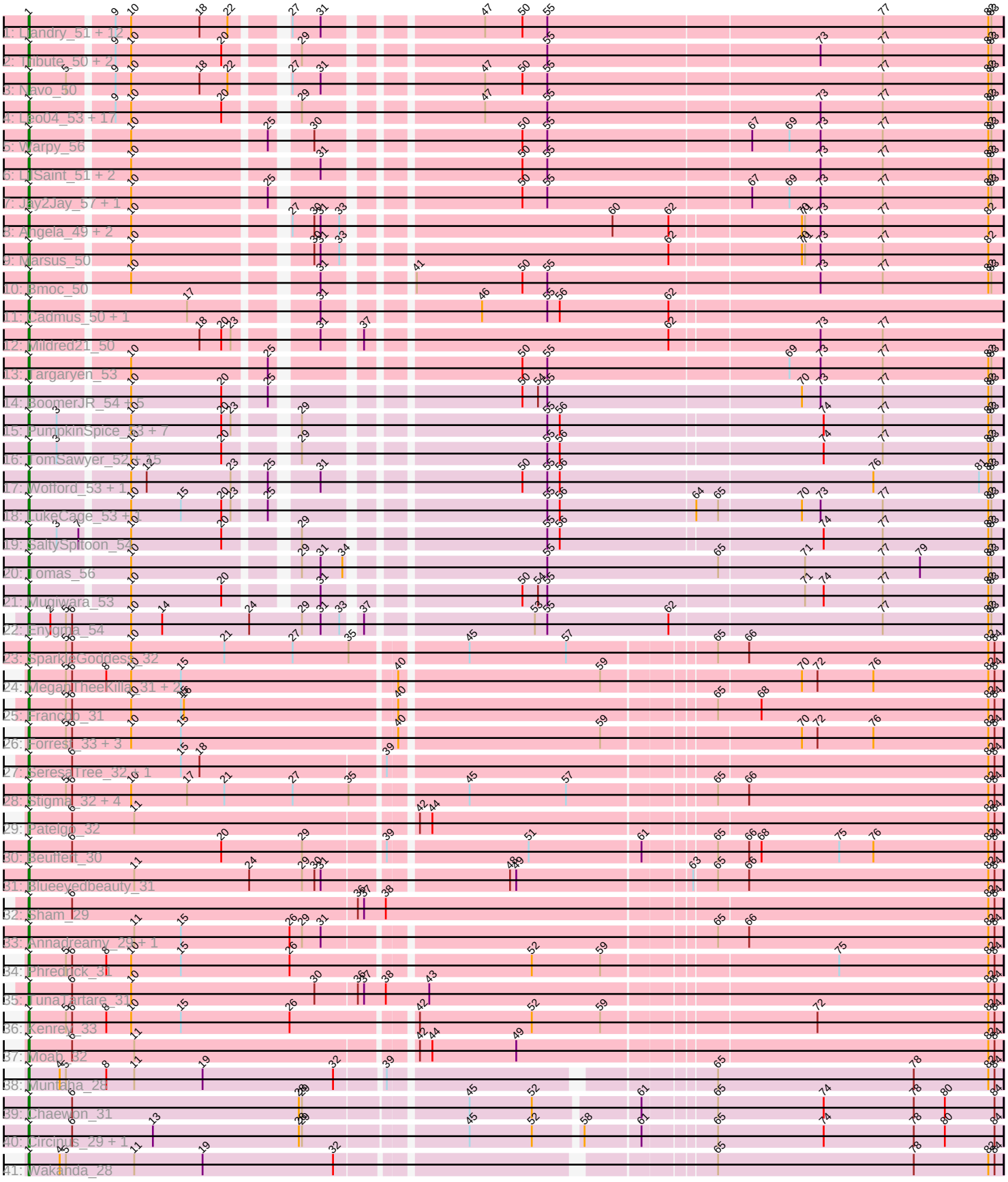
Pham 343786


1: Llandry_51 + 12
2: Tribute_50 + 2
3: Navo_50
4: L3o04_53 + 17
5: Warpy_56
6: LilSaint_51 + 2
7: Jay2Jay_57 + 1
8: Angela_49 + 2
9: Marsus_50
10: Bmoc_50
11: Cadmus_50 + 1
12: Mildred21_50
13: Targaryen_53
14: BoomerJR_54 + 5
15: PumpkinSpice_53 + 7
16: TomSawyer_52 + 15
17: Wofford_53 + 1
18: LukeCage_53 + 1
19: SaltySpitoon_54
20: Tomas_56
21: Mugiwara_53
22: Enygma_54
23: SparkleGoddess_32
24: MeganTheeKilla_31 + 2
25: Francbo_31
26: Forrest_33 + 3
27: SeresaTree_32 + 1
28: Stigma_32 + 4
29: Patelgo_32
30: Beuffelt_30
31: Blueeyedbeauty_31
32: Sham_29
33: Annadreamy_29 + 1
34: Phredrick_31
35: LunaTartare_31
36: Kenrev_33
37: Moab_32
38: Muntaha_28
39: Chaewon_31
40: Circinus_29 + 1
41: Wakanda_28

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 343786 Report

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

Pham number 343786 has 119 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Liandry_51, NootNoot_48, Eliot67_49, Squillium_51, Persimmon_48, Bartholomune_50, Davielle_49, Braelyn_51, FreddyDRoo_50, PinkiePie_50, PynkPanther_50, WhereRU_49, Paradiddles_48
• Track 2 : Tribute_50, Teutsch_52, Samisti12_52
• Track 3 : Navo_50
• Track 4 : Leo04_53, EGole_53, Sushi23_52, Scheme_53, Cross_52, Watermoore_52, Lululemon_51, BlueOtter_52, WashU_52, Shuckle_50, ArianaSWT_52, Larnav_52, HangryHippo_52, Coogler_52, Cursive_50, PacManQ_51, Peebs_51, Pepperwood_52
• Track 5 : Warpy_56
• Track 6 : LilSaint_51, Riptide_49, Anedea_50
• Track 7 : Jay2Jay_57, Evy_53
• Track 8 : Angela_49, MulchMansion_49, LilMartin_49
• Track 9 : Marsus_50
• Track 10 : Bmoc_50
• Track 11 : Cadmus_50, Daubenski_53
• Track 12 : Mildred21_50
• Track 13 : Targaryen_53
• Track 14 : BoomerJR_54, Stanimal_54, Yaboi_54, Sollertia_54, Genie2_54, AngryGiraffe_53
• Track 15 : PumpkinSpice_53, Rikishi_54, Jollison_53, AcciDwight_58, Spelly_54, Daisy123_53, Quaran19_54, Tuesday_58
• Track 16 : TomSawyer_52, Karimac_53, Brizzy_53, Wipeout_52, Birchlyn_51, KentuckyRacer_54, JimJam_54, Bordeaux_52, MindFlayer_52, Amabiko_54, Gibbi_58, IchabodCrane_51, Starbow_52, CeilingFan_53, Spilled_55, Battuta_52
• Track 17 : Wofford_53, Elmer_56
• Track 18 : LukeCage_53, StarPlatinum_54
• Track 19 : SaltySpitoon_54
• Track 20 : Tomas_56
• Track 21 : Mugiwara_53
• Track 22 : Enygma_54
• Track 23 : SparkleGoddess_32
• Track 24 : MeganTheeKilla_31, Maupel_33, Gilson_33
• Track 25 : Francob_31
• Track 26 : Forrest_33, DeluluLabubu_31, Jada_31, Emma1919_33
• Track 27 : SeresaTree_32, Faust_32
• Track 28 : Stigma_32, Belfort_33, Westy_32, Comrade_32, Karp_31

• Track 29 : Patelgo_32
• Track 30 : Beuffert_30
• Track 31 : Blueeyedbeauty_31
• Track 32 : Sham_29
• Track 33 : Annadreamy_29, Limpid_29
• Track 34 : Phredrick_31
• Track 35 : TunaTartare_31
• Track 36 : Kenrey_33
• Track 37 : Moab_32
• Track 38 : Muntaha_28
• Track 39 : Chaewon_31
• Track 40 : Circinus_29, BillNye_27
• Track 41 : Wakanda_28

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

The start number called the most often in the published annotations is 1, it was called in 113 of the 113 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_58, Amabiko_54, Anedea_50, Angela_49, AngryGiraffe_53, Annadreamy_29, ArianaSWT_52, Bartholomune_50, Battuta_52, Belfort_33, Beuffert_30, BillNye_27, Birchlyn_51, BlueOtter_52, Blueeyedbeauty_31, Bmoc_50, BoomerJR_54, Bordeaux_52, Braelyn_51, Brizzy_53, Cadmus_50, CeilingFan_53, Chaewon_31, Circinus_29, Comrade_32, Coogler_52, Cross_52, Cursive_50, Daisy123_53, Daubenski_53, Davielle_49, DeluluLabubu_31, EGole_53, Eliot67_49, Elmer_56, Emma1919_33, Enygma_54, Evy_53, Faust_32, Forrest_33, Francob_31, FreddyDRoo_50, Genie2_54, Gibbi_58, Gilson_33, HangryHippo_52, IchabodCrane_51, Jada_31, Jay2Jay_57, JimJam_54, Jollison_53, Karimac_53, Karp_31, Kenrey_33, KentuckyRacer_54, Larnav_52, Leo04_53, Liandry_51, LilMartin_49, LilSaint_51, Limpid_29, LukeCage_53, Lululemon_51, Marsus_50, Maupel_33, MeganTheeKilla_31, Mildred21_50, MindFlayer_52, Moab_32, Mugiwara_53, MulchMansion_49, Muntaha_28, Navo_50, NootNoot_48, PacManQ_51, Paradiddles_48, Patelgo_32, Peebs_51, Pepperwood_52, Persimmon_48, Phredrick_31, PinkiePie_50, PumpkinSpice_53, PynkPanther_50, Quaran19_54, Rikishi_54, Riptide_49, SaltySpitoon_54, Samisti12_52, Scheme_53, SeresaTree_32, Sham_29, Shuckle_50, Sollertia_54, SparkleGoddess_32, Spelly_54, Spilled_55, Squillium_51, Stanimal_54, StarPlatinum_54, Starbow_52, Stigma_32, Sushi23_52, Targaryen_53, Teutsch_52, TomSawyer_52, Tomas_56, Tribute_50, Tuesday_58, TunaTartare_31, Wakanda_28, Warpy_56, WashU_52, Watermoore_52, Westy_32, WhereRU_49, Wipeout_52, Wofford_53, Yaboi_54,

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

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

Summary by start number:

Start 1:
• Found in 119 of 119 (100.0%) of genes in pham
• Manual Annotations of this start: 113 of 113
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_58 (BE2), Amabiko_54 (BE2), Anedea_50 (BE1), Angela_49 (BE1), AngryGiraffe_53 (BE2), Annadreamy_29 (BK1), ArianaSWT_52 (BE1), Bartholomune_50 (BE1), Battuta_52 (BE2), Belfort_33 (BK1), Beuffert_30 (BK1), BillNye_27 (BK2), Birchlyn_51 (BE2), BlueOtter_52 (BE1), Blueeyedbeauty_31 (BK1), Bmoc_50 (BE1), BoomerJR_54 (BE2), Bordeaux_52 (BE2), Braelyn_51 (BE1), Brizzy_53 (BE2), Cadmus_50 (BE1), CeilingFan_53 (BE2), Chaewon_31 (BK2), Circinus_29 (BK2), Comrade_32 (BK1), Coogler_52 (BE1), Cross_52 (BE1), Cursive_50 (BE1), Daisy123_53 (BE2), Daubenski_53 (BE1), Davielle_49 (BE1), DeluluLabubu_31 (BK1), EGole_53 (BE1), Eliot67_49 (BE1), Elmer_56 (BE2), Emma1919_33 (BK1), Enygma_54 (BE2), Evy_53 (BE1), Faust_32 (BK1), Forrest_33 (BK1), Francob_31 (BK1), FreddyDRoo_50 (BE1), Genie2_54 (BE2), Gibbi_58 (BE2), Gilson_33 (BK1), HangryHippo_52 (BE1), IchabodCrane_51 (BE2), Jada_31 (BK1), Jay2Jay_57 (BE1), JimJam_54 (BE2), Jollison_53 (BE2), Karimac_53 (BE2), Karp_31 (BK1), Kenrey_33 (BK1), KentuckyRacer_54 (BE2), Larnav_52 (BE1), Leo04_53 (BE1), Liandry_51 (BE1), LilMartin_49 (BE1), LilSaint_51 (BE1), Limpid_29 (BK1), LukeCage_53 (BE2), Lululemon_51 (BE1), Marsus_50 (BE1), Maupel_33 (BK1), MeganTheeKilla_31 (BK1), Mildred21_50 (BE1), MindFlayer_52 (BE2), Moab_32 (BK1), Mugiwara_53 (BE2), MulchMansion_49 (BE1), Muntaha_28 (BK2), Navo_50 (BE1), NootNoot_48 (BE1), PacManQ_51 (BE1), Paradiddles_48 (BE1), Patelgo_32 (BK1), Peebs_51 (BE1), Pepperwood_52 (BE1), Persimmon_48 (BE1), Phredrick_31 (BK1), PinkiePie_50 (BE1), PumpkinSpice_53 (BE2), PynkPanther_50 (BE1), Quaran19_54 (BE2), Rikishi_54 (BE2), Riptide_49 (BE1), SaltySpitoon_54 (BE2), Samisti12_52 (BE1), Scheme_53 (BE1), SeresaTree_32 (BK1), Sham_29 (BK1), Shuckle_50 (BE1), Sollertia_54 (BE2), SparkleGoddess_32 (BK1), Spelly_54 (BE2), Spilled_55 (BE2), Squillium_51 (BE1), Stanimal_54 (BE2), StarPlatinum_54 (BE2), Starbow_52 (BE2), Stigma_32 (BK1), Sushi23_52 (BE1), Targaryen_53 (BE1), Teutsch_52 (BE1), TomSawyer_52 (BE2), Tomas_56 (BE2), Tribute_50 (BE1), Tuesday_58 (BE2), TunaTartare_31 (BK1), Wakanda_28 (BK2), Warpy_56 (BE1), WashU_52 (BE1), Watermoore_52 (BE1), Westy_32 (BK1), WhereRU_49 (BE1), Wipeout_52 (BE2), Wofford_53 (BE2), Yaboi_54 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 49 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 35 times for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 1 was manually annotated 24 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 1 was manually annotated 5 times for cluster BK2.

Gene Information:

Gene: AcciDwight_58 Start: 29538, Stop: 30407, Start Num: 1
Candidate Starts for AcciDwight_58:
(Start: 1 @29538 has 113 MA's), (3, 29565), (10, 29628), (20, 29715), (23, 29724), (29, 29769), (55, 29976), (56, 29988), (74, 30234), (77, 30291), (82, 30393), (83, 30396),

Gene: Amabiko_54 Start: 29583, Stop: 30452, Start Num: 1
Candidate Starts for Amabiko_54:
(Start: 1 @29583 has 113 MA's), (3, 29610), (10, 29673), (20, 29760), (29, 29814), (55, 30021), (56, 30033), (74, 30279), (77, 30336), (82, 30438), (83, 30441),

Gene: Anedea_50 Start: 29113, Stop: 29985, Start Num: 1
Candidate Starts for Anedea_50:
(Start: 1 @29113 has 113 MA's), (10, 29203), (31, 29362), (50, 29527), (55, 29551), (73, 29809), (77, 29869), (82, 29971), (83, 29974),

Gene: Angela_49 Start: 28594, Stop: 29463, Start Num: 1
Candidate Starts for Angela_49:
(Start: 1 @28594 has 113 MA's), (10, 28684), (27, 28816), (30, 28837), (31, 28843), (33, 28861), (60, 29095), (62, 29149), (70, 29269), (71, 29272), (73, 29287), (77, 29347), (82, 29449),

Gene: AngryGiraffe_53 Start: 29554, Stop: 30426, Start Num: 1
Candidate Starts for AngryGiraffe_53:
(Start: 1 @29554 has 113 MA's), (10, 29644), (20, 29731), (25, 29767), (50, 29968), (54, 29983), (55, 29992), (70, 30232), (73, 30250), (77, 30310), (82, 30412), (83, 30415),

Gene: Annadreamy_29 Start: 18085, Stop: 18990, Start Num: 1
Candidate Starts for Annadreamy_29:
(Start: 1 @18085 has 113 MA's), (11, 18187), (15, 18232), (26, 18337), (29, 18349), (31, 18367), (65, 18715), (66, 18745), (82, 18976), (84, 18982),

Gene: ArianaSWT_52 Start: 30224, Stop: 31096, Start Num: 1
Candidate Starts for ArianaSWT_52:
(Start: 1 @30224 has 113 MA's), (9, 30299), (10, 30314), (20, 30401), (29, 30455), (47, 30602), (55, 30662), (73, 30920), (77, 30980), (82, 31082), (83, 31085),

Gene: Bartholomune_50 Start: 28895, Stop: 29767, Start Num: 1
Candidate Starts for Bartholomune_50:
(Start: 1 @28895 has 113 MA's), (9, 28970), (10, 28985), (18, 29051), (22, 29078), (27, 29117), (31, 29144), (47, 29273), (50, 29309), (55, 29333), (77, 29651), (82, 29753), (83, 29756),

Gene: Battuta_52 Start: 29557, Stop: 30426, Start Num: 1
Candidate Starts for Battuta_52:
(Start: 1 @29557 has 113 MA's), (3, 29584), (10, 29647), (20, 29734), (29, 29788), (55, 29995), (56, 30007), (74, 30253), (77, 30310), (82, 30412), (83, 30415),

Gene: Belfort_33 Start: 20606, Stop: 21514, Start Num: 1
Candidate Starts for Belfort_33:
(Start: 1 @20606 has 113 MA's), (5, 20642), (6, 20648), (10, 20705), (17, 20759), (21, 20795), (27, 20861), (35, 20915), (45, 21014), (57, 21107), (65, 21239), (66, 21269), (82, 21500), (84, 21506),

Gene: Beuffert_30 Start: 19180, Stop: 20085, Start Num: 1

Candidate Starts for Beuffert_30:
(Start: 1 @19180 has 113 MA's), (6, 19222), (20, 19366), (29, 19444), (39, 19516), (51, 19642), (61, 19747), (65, 19810), (66, 19840), (68, 19852), (75, 19927), (76, 19960), (82, 20071), (84, 20077),

Gene: BillNye_27 Start: 21510, Stop: 22409, Start Num: 1
Candidate Starts for BillNye_27:
(Start: 1 @21510 has 113 MA's), (6, 21552), (13, 21630), (28, 21771), (29, 21774), (45, 21918), (52, 21978), (58, 22020), (61, 22071), (65, 22134), (74, 22236), (78, 22323), (80, 22353), (84, 22401),

Gene: Birchlyn_51 Start: 27440, Stop: 28309, Start Num: 1
Candidate Starts for Birchlyn_51:
(Start: 1 @27440 has 113 MA's), (3, 27467), (10, 27530), (20, 27617), (29, 27671), (55, 27878), (56, 27890), (74, 28136), (77, 28193), (82, 28295), (83, 28298),

Gene: BlueOtter_52 Start: 30262, Stop: 31134, Start Num: 1
Candidate Starts for BlueOtter_52:
(Start: 1 @30262 has 113 MA's), (9, 30337), (10, 30352), (20, 30439), (29, 30493), (47, 30640), (55, 30700), (73, 30958), (77, 31018), (82, 31120), (83, 31123),

Gene: Blueeyedbeauty_31 Start: 18576, Stop: 19481, Start Num: 1
Candidate Starts for Blueeyedbeauty_31:
(Start: 1 @18576 has 113 MA's), (11, 18678), (24, 18789), (29, 18840), (30, 18852), (31, 18858), (48, 19020), (49, 19026), (63, 19185), (65, 19206), (66, 19236), (82, 19467), (84, 19473),

Gene: Bmoc_50 Start: 28898, Stop: 29770, Start Num: 1
Candidate Starts for Bmoc_50:
(Start: 1 @28898 has 113 MA's), (10, 28988), (31, 29147), (41, 29210), (50, 29312), (55, 29336), (73, 29594), (77, 29654), (82, 29756), (83, 29759),

Gene: BoomerJR_54 Start: 29443, Stop: 30315, Start Num: 1
Candidate Starts for BoomerJR_54:
(Start: 1 @29443 has 113 MA's), (10, 29533), (20, 29620), (25, 29656), (50, 29857), (54, 29872), (55, 29881), (70, 30121), (73, 30139), (77, 30199), (82, 30301), (83, 30304),

Gene: Bordeaux_52 Start: 29712, Stop: 30581, Start Num: 1
Candidate Starts for Bordeaux_52:
(Start: 1 @29712 has 113 MA's), (3, 29739), (10, 29802), (20, 29889), (29, 29943), (55, 30150), (56, 30162), (74, 30408), (77, 30465), (82, 30567), (83, 30570),

Gene: Braelyn_51 Start: 29662, Stop: 30534, Start Num: 1
Candidate Starts for Braelyn_51:
(Start: 1 @29662 has 113 MA's), (9, 29737), (10, 29752), (18, 29818), (22, 29845), (27, 29884), (31, 29911), (47, 30040), (50, 30076), (55, 30100), (77, 30418), (82, 30520), (83, 30523),

Gene: Brizzy_53 Start: 29231, Stop: 30100, Start Num: 1
Candidate Starts for Brizzy_53:
(Start: 1 @29231 has 113 MA's), (3, 29258), (10, 29321), (20, 29408), (29, 29462), (55, 29669), (56, 29681), (74, 29927), (77, 29984), (82, 30086), (83, 30089),

Gene: Cadmus_50 Start: 29247, Stop: 30116, Start Num: 1
Candidate Starts for Cadmus_50:
(Start: 1 @29247 has 113 MA's), (17, 29391), (31, 29496), (46, 29622), (55, 29685), (56, 29697), (62, 29802),

Gene: CeilingFan_53 Start: 29472, Stop: 30341, Start Num: 1
Candidate Starts for CeilingFan_53:
(Start: 1 @29472 has 113 MA's), (3, 29499), (10, 29562), (20, 29649), (29, 29703), (55, 29910), (56, 29922), (74, 30168), (77, 30225), (82, 30327), (83, 30330),

Gene: Chaewon_31 Start: 21632, Stop: 22531, Start Num: 1
Candidate Starts for Chaewon_31:
(Start: 1 @21632 has 113 MA's), (6, 21674), (28, 21893), (29, 21896), (45, 22040), (52, 22100), (61, 22193), (65, 22256), (74, 22358), (78, 22445), (80, 22475), (84, 22523),

Gene: Circinus_29 Start: 21646, Stop: 22545, Start Num: 1
Candidate Starts for Circinus_29:
(Start: 1 @21646 has 113 MA's), (6, 21688), (13, 21766), (28, 21907), (29, 21910), (45, 22054), (52, 22114), (58, 22156), (61, 22207), (65, 22270), (74, 22372), (78, 22459), (80, 22489), (84, 22537),

Gene: Comrade_32 Start: 20221, Stop: 21129, Start Num: 1
Candidate Starts for Comrade_32:
(Start: 1 @20221 has 113 MA's), (5, 20257), (6, 20263), (10, 20320), (17, 20374), (21, 20410), (27, 20476), (35, 20530), (45, 20629), (57, 20722), (65, 20854), (66, 20884), (82, 21115), (84, 21121),

Gene: Coogler_52 Start: 30288, Stop: 31160, Start Num: 1
Candidate Starts for Coogler_52:
(Start: 1 @30288 has 113 MA's), (9, 30363), (10, 30378), (20, 30465), (29, 30519), (47, 30666), (55, 30726), (73, 30984), (77, 31044), (82, 31146), (83, 31149),

Gene: Cross_52 Start: 30263, Stop: 31135, Start Num: 1
Candidate Starts for Cross_52:
(Start: 1 @30263 has 113 MA's), (9, 30338), (10, 30353), (20, 30440), (29, 30494), (47, 30641), (55, 30701), (73, 30959), (77, 31019), (82, 31121), (83, 31124),

Gene: Cursive_50 Start: 29788, Stop: 30660, Start Num: 1
Candidate Starts for Cursive_50:
(Start: 1 @29788 has 113 MA's), (9, 29863), (10, 29878), (20, 29965), (29, 30019), (47, 30166), (55, 30226), (73, 30484), (77, 30544), (82, 30646), (83, 30649),

Gene: Daisy123_53 Start: 29331, Stop: 30200, Start Num: 1
Candidate Starts for Daisy123_53:
(Start: 1 @29331 has 113 MA's), (3, 29358), (10, 29421), (20, 29508), (23, 29517), (29, 29562), (55, 29769), (56, 29781), (74, 30027), (77, 30084), (82, 30186), (83, 30189),

Gene: Daubenski_53 Start: 30011, Stop: 30880, Start Num: 1
Candidate Starts for Daubenski_53:
(Start: 1 @30011 has 113 MA's), (17, 30155), (31, 30260), (46, 30386), (55, 30449), (56, 30461), (62, 30566),

Gene: Davielle_49 Start: 29079, Stop: 29951, Start Num: 1
Candidate Starts for Davielle_49:
(Start: 1 @29079 has 113 MA's), (9, 29154), (10, 29169), (18, 29235), (22, 29262), (27, 29301), (31, 29328), (47, 29457), (50, 29493), (55, 29517), (77, 29835), (82, 29937), (83, 29940),

Gene: DeluluLabubu_31 Start: 18307, Stop: 19212, Start Num: 1
Candidate Starts for DeluluLabubu_31:

(Start: 1 @18307 has 113 MA's), (5, 18343), (6, 18349), (10, 18406), (15, 18454), (40, 18655), (59, 18841), (70, 19018), (72, 19033), (76, 19087), (82, 19198), (84, 19204),

Gene: EGole_53 Start: 31167, Stop: 32039, Start Num: 1
Candidate Starts for EGole_53:
(Start: 1 @31167 has 113 MA's), (9, 31242), (10, 31257), (20, 31344), (29, 31398), (47, 31545), (55, 31605), (73, 31863), (77, 31923), (82, 32025), (83, 32028),

Gene: Eliot67_49 Start: 28892, Stop: 29764, Start Num: 1
Candidate Starts for Eliot67_49:
(Start: 1 @28892 has 113 MA's), (9, 28967), (10, 28982), (18, 29048), (22, 29075), (27, 29114), (31, 29141), (47, 29270), (50, 29306), (55, 29330), (77, 29648), (82, 29750), (83, 29753),

Gene: Elmer_56 Start: 30619, Stop: 31491, Start Num: 1
Candidate Starts for Elmer_56:
(Start: 1 @30619 has 113 MA's), (10, 30709), (12, 30724), (23, 30805), (25, 30832), (31, 30868), (50, 31033), (55, 31057), (56, 31069), (76, 31366), (81, 31468), (82, 31477), (83, 31480),

Gene: Emma1919_33 Start: 19002, Stop: 19907, Start Num: 1
Candidate Starts for Emma1919_33:
(Start: 1 @19002 has 113 MA's), (5, 19038), (6, 19044), (10, 19101), (15, 19149), (40, 19350), (59, 19536), (70, 19713), (72, 19728), (76, 19782), (82, 19893), (84, 19899),

Gene: Enygma_54 Start: 31358, Stop: 32263, Start Num: 1
Candidate Starts for Enygma_54:
(Start: 1 @31358 has 113 MA's), (2, 31379), (5, 31394), (6, 31400), (10, 31457), (14, 31487), (24, 31571), (29, 31622), (31, 31640), (33, 31658), (37, 31670), (53, 31817), (55, 31829), (62, 31946), (77, 32147), (82, 32249), (83, 32252),

Gene: Evy_53 Start: 30261, Stop: 31133, Start Num: 1
Candidate Starts for Evy_53:
(Start: 1 @30261 has 113 MA's), (10, 30351), (25, 30474), (50, 30675), (55, 30699), (67, 30891), (69, 30927), (73, 30957), (77, 31017), (82, 31119), (83, 31122),

Gene: Faust_32 Start: 19602, Stop: 20504, Start Num: 1
Candidate Starts for Faust_32:
(Start: 1 @19602 has 113 MA's), (6, 19644), (15, 19749), (18, 19767), (39, 19938), (82, 20490), (84, 20496),

Gene: Forrest_33 Start: 19125, Stop: 20030, Start Num: 1
Candidate Starts for Forrest_33:
(Start: 1 @19125 has 113 MA's), (5, 19161), (6, 19167), (10, 19224), (15, 19272), (40, 19473), (59, 19659), (70, 19836), (72, 19851), (76, 19905), (82, 20016), (84, 20022),

Gene: Francob_31 Start: 19130, Stop: 20038, Start Num: 1
Candidate Starts for Francob_31:
(Start: 1 @19130 has 113 MA's), (5, 19166), (6, 19172), (10, 19229), (15, 19277), (16, 19280), (40, 19478), (65, 19763), (68, 19805), (82, 20024), (84, 20030),

Gene: FreddyDRoo_50 Start: 28892, Stop: 29764, Start Num: 1
Candidate Starts for FreddyDRoo_50:
(Start: 1 @28892 has 113 MA's), (9, 28967), (10, 28982), (18, 29048), (22, 29075), (27, 29114), (31, 29141), (47, 29270), (50, 29306), (55, 29330), (77, 29648), (82, 29750), (83, 29753),

Gene: Genie2_54 Start: 29557, Stop: 30429, Start Num: 1
Candidate Starts for Genie2_54:
(Start: 1 @29557 has 113 MA's), (10, 29647), (20, 29734), (25, 29770), (50, 29971), (54, 29986), (55, 29995), (70, 30235), (73, 30253), (77, 30313), (82, 30415), (83, 30418),

Gene: Gibbi_58 Start: 29695, Stop: 30564, Start Num: 1
Candidate Starts for Gibbi_58:
(Start: 1 @29695 has 113 MA's), (3, 29722), (10, 29785), (20, 29872), (29, 29926), (55, 30133), (56, 30145), (74, 30391), (77, 30448), (82, 30550), (83, 30553),

Gene: Gilson_33 Start: 18955, Stop: 19860, Start Num: 1
Candidate Starts for Gilson_33:
(Start: 1 @18955 has 113 MA's), (5, 18991), (6, 18997), (8, 19030), (10, 19054), (15, 19102), (40, 19303), (59, 19489), (70, 19666), (72, 19681), (76, 19735), (82, 19846), (84, 19852),

Gene: HangryHippo_52 Start: 30262, Stop: 31134, Start Num: 1
Candidate Starts for HangryHippo_52:
(Start: 1 @30262 has 113 MA's), (9, 30337), (10, 30352), (20, 30439), (29, 30493), (47, 30640), (55, 30700), (73, 30958), (77, 31018), (82, 31120), (83, 31123),

Gene: IchabodCrane_51 Start: 29284, Stop: 30153, Start Num: 1
Candidate Starts for IchabodCrane_51:
(Start: 1 @29284 has 113 MA's), (3, 29311), (10, 29374), (20, 29461), (29, 29515), (55, 29722), (56, 29734), (74, 29980), (77, 30037), (82, 30139), (83, 30142),

Gene: Jada_31 Start: 18307, Stop: 19212, Start Num: 1
Candidate Starts for Jada_31:
(Start: 1 @18307 has 113 MA's), (5, 18343), (6, 18349), (10, 18406), (15, 18454), (40, 18655), (59, 18841), (70, 19018), (72, 19033), (76, 19087), (82, 19198), (84, 19204),

Gene: Jay2Jay_57 Start: 31069, Stop: 31941, Start Num: 1
Candidate Starts for Jay2Jay_57:
(Start: 1 @31069 has 113 MA's), (10, 31159), (25, 31282), (50, 31483), (55, 31507), (67, 31699), (69, 31735), (73, 31765), (77, 31825), (82, 31927), (83, 31930),

Gene: JimJam_54 Start: 29658, Stop: 30527, Start Num: 1
Candidate Starts for JimJam_54:
(Start: 1 @29658 has 113 MA's), (3, 29685), (10, 29748), (20, 29835), (29, 29889), (55, 30096), (56, 30108), (74, 30354), (77, 30411), (82, 30513), (83, 30516),

Gene: Jollison_53 Start: 29540, Stop: 30409, Start Num: 1
Candidate Starts for Jollison_53:
(Start: 1 @29540 has 113 MA's), (3, 29567), (10, 29630), (20, 29717), (23, 29726), (29, 29771), (55, 29978), (56, 29990), (74, 30236), (77, 30293), (82, 30395), (83, 30398),

Gene: Karimac_53 Start: 29689, Stop: 30558, Start Num: 1
Candidate Starts for Karimac_53:
(Start: 1 @29689 has 113 MA's), (3, 29716), (10, 29779), (20, 29866), (29, 29920), (55, 30127), (56, 30139), (74, 30385), (77, 30442), (82, 30544), (83, 30547),

Gene: Karp_31 Start: 19821, Stop: 20729, Start Num: 1
Candidate Starts for Karp_31:

(Start: 1 @19821 has 113 MA's), (5, 19857), (6, 19863), (10, 19920), (17, 19974), (21, 20010), (27, 20076), (35, 20130), (45, 20229), (57, 20322), (65, 20454), (66, 20484), (82, 20715), (84, 20721),

Gene: Kenrey_33 Start: 19004, Stop: 19909, Start Num: 1
Candidate Starts for Kenrey_33:
(Start: 1 @19004 has 113 MA's), (5, 19040), (6, 19046), (8, 19079), (10, 19103), (15, 19151), (26, 19256), (42, 19364), (52, 19472), (59, 19538), (72, 19730), (82, 19895), (84, 19901),

Gene: KentuckyRacer_54 Start: 29473, Stop: 30342, Start Num: 1
Candidate Starts for KentuckyRacer_54:
(Start: 1 @29473 has 113 MA's), (3, 29500), (10, 29563), (20, 29650), (29, 29704), (55, 29911), (56, 29923), (74, 30169), (77, 30226), (82, 30328), (83, 30331),

Gene: Larnav_52 Start: 30247, Stop: 31119, Start Num: 1
Candidate Starts for Larnav_52:
(Start: 1 @30247 has 113 MA's), (9, 30322), (10, 30337), (20, 30424), (29, 30478), (47, 30625), (55, 30685), (73, 30943), (77, 31003), (82, 31105), (83, 31108),

Gene: Leo04_53 Start: 30762, Stop: 31634, Start Num: 1
Candidate Starts for Leo04_53:
(Start: 1 @30762 has 113 MA's), (9, 30837), (10, 30852), (20, 30939), (29, 30993), (47, 31140), (55, 31200), (73, 31458), (77, 31518), (82, 31620), (83, 31623),

Gene: Liandry_51 Start: 29599, Stop: 30471, Start Num: 1
Candidate Starts for Liandry_51:
(Start: 1 @29599 has 113 MA's), (9, 29674), (10, 29689), (18, 29755), (22, 29782), (27, 29821), (31, 29848), (47, 29977), (50, 30013), (55, 30037), (77, 30355), (82, 30457), (83, 30460),

Gene: LilMartin_49 Start: 28542, Stop: 29411, Start Num: 1
Candidate Starts for LilMartin_49:
(Start: 1 @28542 has 113 MA's), (10, 28632), (27, 28764), (30, 28785), (31, 28791), (33, 28809), (60, 29043), (62, 29097), (70, 29217), (71, 29220), (73, 29235), (77, 29295), (82, 29397),

Gene: LilSaint_51 Start: 28785, Stop: 29657, Start Num: 1
Candidate Starts for LilSaint_51:
(Start: 1 @28785 has 113 MA's), (10, 28875), (31, 29034), (50, 29199), (55, 29223), (73, 29481), (77, 29541), (82, 29643), (83, 29646),

Gene: Limpid_29 Start: 18084, Stop: 18989, Start Num: 1
Candidate Starts for Limpid_29:
(Start: 1 @18084 has 113 MA's), (11, 18186), (15, 18231), (26, 18336), (29, 18348), (31, 18366), (65, 18714), (66, 18744), (82, 18975), (84, 18981),

Gene: LukeCage_53 Start: 29437, Stop: 30309, Start Num: 1
Candidate Starts for LukeCage_53:
(Start: 1 @29437 has 113 MA's), (10, 29527), (15, 29575), (20, 29614), (23, 29623), (25, 29650), (55, 29875), (56, 29887), (64, 30016), (65, 30037), (70, 30115), (73, 30133), (77, 30193), (82, 30295), (83, 30298),

Gene: Lululemon_51 Start: 29643, Stop: 30515, Start Num: 1
Candidate Starts for Lululemon_51:
(Start: 1 @29643 has 113 MA's), (9, 29718), (10, 29733), (20, 29820), (29, 29874), (47, 30021), (55, 30081), (73, 30339), (77, 30399), (82, 30501), (83, 30504),

Gene: Marsus_50 Start: 28814, Stop: 29683, Start Num: 1
Candidate Starts for Marsus_50:
(Start: 1 @28814 has 113 MA's), (10, 28904), (30, 29057), (31, 29063), (33, 29081), (62, 29369), (70, 29489), (71, 29492), (73, 29507), (77, 29567), (82, 29669),

Gene: Maupel_33 Start: 18955, Stop: 19860, Start Num: 1
Candidate Starts for Maupel_33:
(Start: 1 @18955 has 113 MA's), (5, 18991), (6, 18997), (8, 19030), (10, 19054), (15, 19102), (40, 19303), (59, 19489), (70, 19666), (72, 19681), (76, 19735), (82, 19846), (84, 19852),

Gene: MeganTheeKilla_31 Start: 18316, Stop: 19221, Start Num: 1
Candidate Starts for MeganTheeKilla_31:
(Start: 1 @18316 has 113 MA's), (5, 18352), (6, 18358), (8, 18391), (10, 18415), (15, 18463), (40, 18664), (59, 18850), (70, 19027), (72, 19042), (76, 19096), (82, 19207), (84, 19213),

Gene: Mildred21_50 Start: 28735, Stop: 29604, Start Num: 1
Candidate Starts for Mildred21_50:
(Start: 1 @28735 has 113 MA's), (18, 28891), (20, 28912), (23, 28921), (31, 28984), (37, 29014), (62, 29290), (73, 29428), (77, 29488),

Gene: MindFlayer_52 Start: 29191, Stop: 30060, Start Num: 1
Candidate Starts for MindFlayer_52:
(Start: 1 @29191 has 113 MA's), (3, 29218), (10, 29281), (20, 29368), (29, 29422), (55, 29629), (56, 29641), (74, 29887), (77, 29944), (82, 30046), (83, 30049),

Gene: Moab_32 Start: 20156, Stop: 21058, Start Num: 1
Candidate Starts for Moab_32:
(Start: 1 @20156 has 113 MA's), (6, 20198), (11, 20258), (42, 20513), (44, 20525), (49, 20606), (82, 21044), (84, 21050),

Gene: Mugiwara_53 Start: 29936, Stop: 30808, Start Num: 1
Candidate Starts for Mugiwara_53:
(Start: 1 @29936 has 113 MA's), (10, 30026), (20, 30113), (31, 30185), (50, 30350), (54, 30365), (55, 30374), (71, 30617), (74, 30635), (77, 30692), (82, 30794), (83, 30797),

Gene: MulchMansion_49 Start: 28542, Stop: 29411, Start Num: 1
Candidate Starts for MulchMansion_49:
(Start: 1 @28542 has 113 MA's), (10, 28632), (27, 28764), (30, 28785), (31, 28791), (33, 28809), (60, 29043), (62, 29097), (70, 29217), (71, 29220), (73, 29235), (77, 29295), (82, 29397),

Gene: Muntaha_28 Start: 19983, Stop: 20870, Start Num: 1
Candidate Starts for Muntaha_28:
(Start: 1 @19983 has 113 MA's), (4, 20013), (5, 20019), (8, 20058), (11, 20085), (19, 20151), (32, 20277), (39, 20319), (65, 20595), (78, 20784), (82, 20856), (84, 20862),

Gene: Navo_50 Start: 29557, Stop: 30429, Start Num: 1
Candidate Starts for Navo_50:
(Start: 1 @29557 has 113 MA's), (5, 29593), (9, 29632), (10, 29647), (18, 29713), (22, 29740), (27, 29779), (31, 29806), (47, 29935), (50, 29971), (55, 29995), (77, 30313), (82, 30415), (83, 30418),

Gene: NootNoot_48 Start: 28513, Stop: 29385, Start Num: 1
Candidate Starts for NootNoot_48:

(Start: 1 @28513 has 113 MA's), (9, 28588), (10, 28603), (18, 28669), (22, 28696), (27, 28735), (31, 28762), (47, 28891), (50, 28927), (55, 28951), (77, 29269), (82, 29371), (83, 29374),

Gene: PacManQ_51 Start: 29643, Stop: 30515, Start Num: 1
Candidate Starts for PacManQ_51:
(Start: 1 @29643 has 113 MA's), (9, 29718), (10, 29733), (20, 29820), (29, 29874), (47, 30021), (55, 30081), (73, 30339), (77, 30399), (82, 30501), (83, 30504),

Gene: Paradiddles_48 Start: 28774, Stop: 29646, Start Num: 1
Candidate Starts for Paradiddles_48:
(Start: 1 @28774 has 113 MA's), (9, 28849), (10, 28864), (18, 28930), (22, 28957), (27, 28996), (31, 29023), (47, 29152), (50, 29188), (55, 29212), (77, 29530), (82, 29632), (83, 29635),

Gene: Patelgo_32 Start: 20346, Stop: 21248, Start Num: 1
Candidate Starts for Patelgo_32:
(Start: 1 @20346 has 113 MA's), (6, 20388), (11, 20448), (42, 20703), (44, 20715), (82, 21234), (84, 21240),

Gene: Peebs_51 Start: 30000, Stop: 30872, Start Num: 1
Candidate Starts for Peebs_51:
(Start: 1 @30000 has 113 MA's), (9, 30075), (10, 30090), (20, 30177), (29, 30231), (47, 30378), (55, 30438), (73, 30696), (77, 30756), (82, 30858), (83, 30861),

Gene: Pepperwood_52 Start: 30133, Stop: 31005, Start Num: 1
Candidate Starts for Pepperwood_52:
(Start: 1 @30133 has 113 MA's), (9, 30208), (10, 30223), (20, 30310), (29, 30364), (47, 30511), (55, 30571), (73, 30829), (77, 30889), (82, 30991), (83, 30994),

Gene: Persimmon_48 Start: 28488, Stop: 29360, Start Num: 1
Candidate Starts for Persimmon_48:
(Start: 1 @28488 has 113 MA's), (9, 28563), (10, 28578), (18, 28644), (22, 28671), (27, 28710), (31, 28737), (47, 28866), (50, 28902), (55, 28926), (77, 29244), (82, 29346), (83, 29349),

Gene: Phredrick_31 Start: 18210, Stop: 19115, Start Num: 1
Candidate Starts for Phredrick_31:
(Start: 1 @18210 has 113 MA's), (5, 18246), (6, 18252), (8, 18285), (10, 18309), (15, 18357), (26, 18462), (52, 18678), (59, 18744), (75, 18957), (82, 19101), (84, 19107),

Gene: PinkiePie_50 Start: 29599, Stop: 30471, Start Num: 1
Candidate Starts for PinkiePie_50:
(Start: 1 @29599 has 113 MA's), (9, 29674), (10, 29689), (18, 29755), (22, 29782), (27, 29821), (31, 29848), (47, 29977), (50, 30013), (55, 30037), (77, 30355), (82, 30457), (83, 30460),

Gene: PumpkinSpice_53 Start: 29583, Stop: 30452, Start Num: 1
Candidate Starts for PumpkinSpice_53:
(Start: 1 @29583 has 113 MA's), (3, 29610), (10, 29673), (20, 29760), (23, 29769), (29, 29814), (55, 30021), (56, 30033), (74, 30279), (77, 30336), (82, 30438), (83, 30441),

Gene: PynkPanther_50 Start: 29627, Stop: 30499, Start Num: 1
Candidate Starts for PynkPanther_50:
(Start: 1 @29627 has 113 MA's), (9, 29702), (10, 29717), (18, 29783), (22, 29810), (27, 29849), (31, 29876), (47, 30005), (50, 30041), (55, 30065), (77, 30383), (82, 30485), (83, 30488),

Gene: Quaran19_54 Start: 29574, Stop: 30443, Start Num: 1
Candidate Starts for Quaran19_54:
(Start: 1 @29574 has 113 MA's), (3, 29601), (10, 29664), (20, 29751), (23, 29760), (29, 29805), (55, 30012), (56, 30024), (74, 30270), (77, 30327), (82, 30429), (83, 30432),

Gene: Rikishi_54 Start: 29489, Stop: 30358, Start Num: 1
Candidate Starts for Rikishi_54:
(Start: 1 @29489 has 113 MA's), (3, 29516), (10, 29579), (20, 29666), (23, 29675), (29, 29720), (55, 29927), (56, 29939), (74, 30185), (77, 30242), (82, 30344), (83, 30347),

Gene: Riptide_49 Start: 28334, Stop: 29206, Start Num: 1
Candidate Starts for Riptide_49:
(Start: 1 @28334 has 113 MA's), (10, 28424), (31, 28583), (50, 28748), (55, 28772), (73, 29030), (77, 29090), (82, 29192), (83, 29195),

Gene: SaltySpitoon_54 Start: 29583, Stop: 30452, Start Num: 1
Candidate Starts for SaltySpitoon_54:
(Start: 1 @29583 has 113 MA's), (3, 29610), (7, 29631), (10, 29673), (20, 29760), (29, 29814), (55, 30021), (56, 30033), (74, 30279), (77, 30336), (82, 30438), (83, 30441),

Gene: Samisti12_52 Start: 31436, Stop: 32308, Start Num: 1
Candidate Starts for Samisti12_52:
(Start: 1 @31436 has 113 MA's), (9, 31511), (10, 31526), (20, 31613), (29, 31667), (55, 31874), (73, 32132), (77, 32192), (82, 32294), (83, 32297),

Gene: Scheme_53 Start: 30847, Stop: 31719, Start Num: 1
Candidate Starts for Scheme_53:
(Start: 1 @30847 has 113 MA's), (9, 30922), (10, 30937), (20, 31024), (29, 31078), (47, 31225), (55, 31285), (73, 31543), (77, 31603), (82, 31705), (83, 31708),

Gene: SeresaTree_32 Start: 18992, Stop: 19894, Start Num: 1
Candidate Starts for SeresaTree_32:
(Start: 1 @18992 has 113 MA's), (6, 19034), (15, 19139), (18, 19157), (39, 19328), (82, 19880), (84, 19886),

Gene: Sham_29 Start: 20050, Stop: 20970, Start Num: 1
Candidate Starts for Sham_29:
(Start: 1 @20050 has 113 MA's), (6, 20092), (36, 20365), (37, 20371), (38, 20392), (82, 20956), (84, 20962),

Gene: Shuckle_50 Start: 30453, Stop: 31325, Start Num: 1
Candidate Starts for Shuckle_50:
(Start: 1 @30453 has 113 MA's), (9, 30528), (10, 30543), (20, 30630), (29, 30684), (47, 30831), (55, 30891), (73, 31149), (77, 31209), (82, 31311), (83, 31314),

Gene: Sollertia_54 Start: 29557, Stop: 30429, Start Num: 1
Candidate Starts for Sollertia_54:
(Start: 1 @29557 has 113 MA's), (10, 29647), (20, 29734), (25, 29770), (50, 29971), (54, 29986), (55, 29995), (70, 30235), (73, 30253), (77, 30313), (82, 30415), (83, 30418),

Gene: SparkleGoddess_32 Start: 20223, Stop: 21131, Start Num: 1
Candidate Starts for SparkleGoddess_32:

(Start: 1 @20223 has 113 MA's), (5, 20259), (6, 20265), (10, 20322), (21, 20412), (27, 20478), (35, 20532), (45, 20631), (57, 20724), (65, 20856), (66, 20886), (82, 21117), (84, 21123),

Gene: Spelly_54 Start: 29538, Stop: 30407, Start Num: 1
Candidate Starts for Spelly_54:
(Start: 1 @29538 has 113 MA's), (3, 29565), (10, 29628), (20, 29715), (23, 29724), (29, 29769), (55, 29976), (56, 29988), (74, 30234), (77, 30291), (82, 30393), (83, 30396),

Gene: Spilled_55 Start: 29655, Stop: 30524, Start Num: 1
Candidate Starts for Spilled_55:
(Start: 1 @29655 has 113 MA's), (3, 29682), (10, 29745), (20, 29832), (29, 29886), (55, 30093), (56, 30105), (74, 30351), (77, 30408), (82, 30510), (83, 30513),

Gene: Squillium_51 Start: 29600, Stop: 30472, Start Num: 1
Candidate Starts for Squillium_51:
(Start: 1 @29600 has 113 MA's), (9, 29675), (10, 29690), (18, 29756), (22, 29783), (27, 29822), (31, 29849), (47, 29978), (50, 30014), (55, 30038), (77, 30356), (82, 30458), (83, 30461),

Gene: Stanimal_54 Start: 29446, Stop: 30318, Start Num: 1
Candidate Starts for Stanimal_54:
(Start: 1 @29446 has 113 MA's), (10, 29536), (20, 29623), (25, 29659), (50, 29860), (54, 29875), (55, 29884), (70, 30124), (73, 30142), (77, 30202), (82, 30304), (83, 30307),

Gene: StarPlatinum_54 Start: 30080, Stop: 30952, Start Num: 1
Candidate Starts for StarPlatinum_54:
(Start: 1 @30080 has 113 MA's), (10, 30170), (15, 30218), (20, 30257), (23, 30266), (25, 30293), (55, 30518), (56, 30530), (64, 30659), (65, 30680), (70, 30758), (73, 30776), (77, 30836), (82, 30938), (83, 30941),

Gene: Starbow_52 Start: 29559, Stop: 30428, Start Num: 1
Candidate Starts for Starbow_52:
(Start: 1 @29559 has 113 MA's), (3, 29586), (10, 29649), (20, 29736), (29, 29790), (55, 29997), (56, 30009), (74, 30255), (77, 30312), (82, 30414), (83, 30417),

Gene: Stigma_32 Start: 20224, Stop: 21132, Start Num: 1
Candidate Starts for Stigma_32:
(Start: 1 @20224 has 113 MA's), (5, 20260), (6, 20266), (10, 20323), (17, 20377), (21, 20413), (27, 20479), (35, 20533), (45, 20632), (57, 20725), (65, 20857), (66, 20887), (82, 21118), (84, 21124),

Gene: Sushi23_52 Start: 30358, Stop: 31230, Start Num: 1
Candidate Starts for Sushi23_52:
(Start: 1 @30358 has 113 MA's), (9, 30433), (10, 30448), (20, 30535), (29, 30589), (47, 30736), (55, 30796), (73, 31054), (77, 31114), (82, 31216), (83, 31219),

Gene: Targaryen_53 Start: 31118, Stop: 31990, Start Num: 1
Candidate Starts for Targaryen_53:
(Start: 1 @31118 has 113 MA's), (10, 31208), (25, 31331), (50, 31532), (55, 31556), (69, 31784), (73, 31814), (77, 31874), (82, 31976), (83, 31979),

Gene: Teutsch_52 Start: 30627, Stop: 31499, Start Num: 1
Candidate Starts for Teutsch_52:
(Start: 1 @30627 has 113 MA's), (9, 30702), (10, 30717), (20, 30804), (29, 30858), (55, 31065), (73, 31323), (77, 31383), (82, 31485), (83, 31488),

Gene: TomSawyer_52 Start: 29177, Stop: 30046, Start Num: 1
Candidate Starts for TomSawyer_52:
(Start: 1 @29177 has 113 MA's), (3, 29204), (10, 29267), (20, 29354), (29, 29408), (55, 29615), (56, 29627), (74, 29873), (77, 29930), (82, 30032), (83, 30035),

Gene: Tomas_56 Start: 31900, Stop: 32775, Start Num: 1
Candidate Starts for Tomas_56:
(Start: 1 @31900 has 113 MA's), (10, 31990), (29, 32131), (31, 32149), (34, 32170), (55, 32338), (65, 32503), (71, 32584), (77, 32659), (79, 32695), (82, 32761), (83, 32764),

Gene: Tribute_50 Start: 29827, Stop: 30699, Start Num: 1
Candidate Starts for Tribute_50:
(Start: 1 @29827 has 113 MA's), (9, 29902), (10, 29917), (20, 30004), (29, 30058), (55, 30265), (73, 30523), (77, 30583), (82, 30685), (83, 30688),

Gene: Tuesday_58 Start: 29721, Stop: 30590, Start Num: 1
Candidate Starts for Tuesday_58:
(Start: 1 @29721 has 113 MA's), (3, 29748), (10, 29811), (20, 29898), (23, 29907), (29, 29952), (55, 30159), (56, 30171), (74, 30417), (77, 30474), (82, 30576), (83, 30579),

Gene: TunaTartare_31 Start: 20343, Stop: 21263, Start Num: 1
Candidate Starts for TunaTartare_31:
(Start: 1 @20343 has 113 MA's), (6, 20385), (10, 20442), (30, 20619), (36, 20658), (37, 20664), (38, 20685), (43, 20727), (82, 21249), (84, 21255),

Gene: Wakanda_28 Start: 19921, Stop: 20808, Start Num: 1
Candidate Starts for Wakanda_28:
(Start: 1 @19921 has 113 MA's), (4, 19951), (5, 19957), (11, 20023), (19, 20089), (32, 20215), (65, 20533), (78, 20722), (82, 20794), (84, 20800),

Gene: Warpy_56 Start: 30582, Stop: 31454, Start Num: 1
Candidate Starts for Warpy_56:
(Start: 1 @30582 has 113 MA's), (10, 30672), (25, 30795), (30, 30825), (50, 30996), (55, 31020), (67, 31212), (69, 31248), (73, 31278), (77, 31338), (82, 31440), (83, 31443),

Gene: WashU_52 Start: 30136, Stop: 31008, Start Num: 1
Candidate Starts for WashU_52:
(Start: 1 @30136 has 113 MA's), (9, 30211), (10, 30226), (20, 30313), (29, 30367), (47, 30514), (55, 30574), (73, 30832), (77, 30892), (82, 30994), (83, 30997),

Gene: Watermoore_52 Start: 30834, Stop: 31706, Start Num: 1
Candidate Starts for Watermoore_52:
(Start: 1 @30834 has 113 MA's), (9, 30909), (10, 30924), (20, 31011), (29, 31065), (47, 31212), (55, 31272), (73, 31530), (77, 31590), (82, 31692), (83, 31695),

Gene: Westy_32 Start: 20224, Stop: 21132, Start Num: 1
Candidate Starts for Westy_32:
(Start: 1 @20224 has 113 MA's), (5, 20260), (6, 20266), (10, 20323), (17, 20377), (21, 20413), (27, 20479), (35, 20533), (45, 20632), (57, 20725), (65, 20857), (66, 20887), (82, 21118), (84, 21124),

Gene: WhereRU_49 Start: 29079, Stop: 29951, Start Num: 1
Candidate Starts for WhereRU_49:

(Start: 1 @29079 has 113 MA's), (9, 29154), (10, 29169), (18, 29235), (22, 29262), (27, 29301), (31, 29328), (47, 29457), (50, 29493), (55, 29517), (77, 29835), (82, 29937), (83, 29940),

Gene: Wipeout_52 Start: 29928, Stop: 30797, Start Num: 1
Candidate Starts for Wipeout_52:
(Start: 1 @29928 has 113 MA's), (3, 29955), (10, 30018), (20, 30105), (29, 30159), (55, 30366), (56, 30378), (74, 30624), (77, 30681), (82, 30783), (83, 30786),

Gene: Wofford_53 Start: 30582, Stop: 31454, Start Num: 1
Candidate Starts for Wofford_53:
(Start: 1 @30582 has 113 MA's), (10, 30672), (12, 30687), (23, 30768), (25, 30795), (31, 30831), (50, 30996), (55, 31020), (56, 31032), (76, 31329), (81, 31431), (82, 31440), (83, 31443),

Gene: Yaboi_54 Start: 29534, Stop: 30406, Start Num: 1
Candidate Starts for Yaboi_54:
(Start: 1 @29534 has 113 MA's), (10, 29624), (20, 29711), (25, 29747), (50, 29948), (54, 29963), (55, 29972), (70, 30212), (73, 30230), (77, 30290), (82, 30392), (83, 30395),