

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 248695 Report

This analysis was run 02/07/26 on database version 634.

Pham number 248695 has 112 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Navo_52
- Track 2 : WhereRU_51, Persimmon_50, Davielle_51
- Track 3 : Anedea_52
- Track 4 : Sushi23_54, Shuckle_52, Lululemon_53, BlueOtter_54, Cursive_52, Larnav_54, Cross_54, HangryHippo_54, Coogler_54, PacManQ_53, Peebs_53, Samisti12_54, Pepperwood_54
- Track 5 : Leo04_55
- Track 6 : NootNoot_50, Bartholomune_52
- Track 7 : Deutsch_54, Tribute_52
- Track 8 : LilSaint_58
- Track 9 : Squillium_53, Liandry_53, Braelyn_53, PinkiePie_52
- Track 10 : Marsus_52
- Track 11 : EGole_55
- Track 12 : Jay2Jay_59, Warpy_58, Targaryen_55, Evy_55
- Track 13 : Scheme_55, Watermoore_54
- Track 14 : Bmoc_52
- Track 15 : Cadmus_52, Daubenski_55
- Track 16 : Angela_51, MulchMansion_51, LilMartin_51
- Track 17 : Riptide_51
- Track 18 : Mildred21_52
- Track 19 : Paradiddles_50
- Track 20 : Stanimal_56, Sollertia_56, Genie2_56, AngryGiraffe_55
- Track 21 : Enygma_56
- Track 22 : AcciDwight_60, TomSawyer_54, Gibbi_60, Rikishi_56, Jollison_55, Wipeout_54, Birchlyn_53, Bordeaux_54, Spelly_56, Amabiko_56, Starbow_54, Battuta_54, PumpkinSpice_55, Quarant19_56, SaltySpittoon_56
- Track 23 : Wofford_55
- Track 24 : LukeCage_55
- Track 25 : Karimac_55, Brizzy_55, KentuckyRacer_56, IchabodCrane_53, CeilingFan_55
- Track 26 : StarPlatinum_56
- Track 27 : Yaboi_56, BoomerJR_56
- Track 28 : JimJam_56, MindFlayer_54
- Track 29 : Mugiware_55
- Track 30 : Tomas_58
- Track 31 : Elmer_58
- Track 32 : Spilled_57

- Track 33 : Francob_33
- Track 34 : Kenrey_35, Phredrick_33
- Track 35 : Jada_33, Forrest_35
- Track 36 : Stigma_34, SparkleGoddess_34
- Track 37 : Westy_34, Karp_33, Belfort_35, Comrade_34
- Track 38 : Patelgo_34, Moab_34
- Track 39 : Maupel_35, Gilson_35
- Track 40 : Blueeyedbeauty_33
- Track 41 : Beuffert_32
- Track 42 : Sham_31
- Track 43 : MeganTheeKilla_33, DeluluLabubu_33, Emma1919_35
- Track 44 : SeresaTree_34, Faust_34
- Track 45 : TunaTartare_33
- Track 46 : Annadreamy_31, Limpid_31
- Track 47 : Muntaha_30
- Track 48 : Chaewon_33
- Track 49 : Circinus_31, BillNye_29
- Track 50 : Wakanda_30

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

The start number called the most often in the published annotations is 6, it was called in 71 of the 105 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• AcciDwight_60, Amabiko_56, Anedea_52, Angela_51, AngryGiraffe_55, Annadreamy_31, Battuta_54, Belfort_35, Beuffert_32, BillNye_29, Birchlyn_53, Blueeyedbeauty_33, Bmoc_52, BoomerJR_56, Bordeaux_54, Brizzy_55, CeilingFan_55, Chaewon_33, Circinus_31, Comrade_34, DeluluLabubu_33, Elmer_58, Emma1919_35, Enygma_56, Faust_34, Forrest_35, Francob_33, Genie2_56, Gibbi_60, Gilson_35, IchabodCrane_53, Jada_33, JimJam_56, Jollison_55, Karimac_55, Karp_33, Kenrey_35, KentuckyRacer_56, LilMartin_51, LilSaint_58, Limpid_31, LukeCage_55, Marsus_52, Maupel_35, MeganTheeKilla_33, Mildred21_52, MindFlayer_54, Moab_34, Mugiwara_55, MulchMansion_51, Muntaha_30, Patelgo_34, Phredrick_33, PumpkinSpice_55, Quarant19_56, Rikishi_56, Riptide_51, SaltySpittoon_56, Scheme_55, SeresaTree_34, Sham_31, Sollertia_56, SparkleGoddess_34, Spelly_56, Spilled_57, Stanimal_56, StarPlatinum_56, Starbow_54, Stigma_34, TomSawyer_54, Tomas_58, TunaTartare_33, Wakanda_30, Watermoore_54, Westy_34, Wipeout_54, Wofford_55, Yaboi_56,

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

• BlueOtter_54, Coogler_54, Cross_54, Cursive_52, EGole_55, HangryHippo_54, Larnav_54, Leo04_55, Lululemon_53, PacManQ_53, Peebs_53, Pepperwood_54, Samisti12_54, Shuckle_52, Sushi23_54, Teutsch_54, Tribute_52,

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

• Bartholomune_52, Braelyn_53, Cadmus_52, Daubenski_55, Davielle_51, Evy_55, Jay2Jay_59, Liandry_53, Navo_52, NootNoot_50, Paradiddles_50, Persimmon_50, PinkiePie_52, Squillium_53, Targaryen_55, Warpy_58, WhereRU_51,

Summary by start number:

Start 5:

- Found in 36 of 112 (32.1%) of genes in pham
- Manual Annotations of this start: 34 of 105
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Bartholomune_52 (BE1), BlueOtter_54 (BE1), Braelyn_53 (BE1), Cadmus_52 (BE1), Coogler_54 (BE1), Cross_54 (BE1), Cursive_52 (BE1), Daubenski_55 (BE1), Davielle_51 (BE1), EGole_55 (BE1), Evy_55 (BE1), HangryHippo_54 (BE1), Jay2Jay_59 (BE1), Larnav_54 (BE1), Leo04_55 (BE1), Liandry_53 (BE1), Lululemon_53 (BE1), Navo_52 (BE1), NootNoot_50 (BE1), PacManQ_53 (BE1), Paradiddles_50 (BE1), Peebs_53 (BE1), Pepperwood_54 (BE1), Persimmon_50 (BE1), PinkiePie_52 (BE1), Samisti12_54 (BE1), Shuckle_52 (BE1), Squillum_53 (BE1), Sushi23_54 (BE1), Targaryen_55 (BE1), Teutsch_54 (BE1), Tribute_52 (BE1), Warpy_58 (BE1), WhereRU_51 (BE1),

Start 6:

- Found in 95 of 112 (84.8%) of genes in pham
- Manual Annotations of this start: 71 of 105
- Called 82.1% of time when present
- Phage (with cluster) where this start called: AcciDwight_60 (BE2), Amabiko_56 (BE2), Anedea_52 (BE1), Angela_51 (BE1), AngryGiraffe_55 (BE2), Annadreamy_31 (BK1), Battuta_54 (BE2), Belfort_35 (BK1), Beuffert_32 (BK1), BillNye_29 (BK2), Birchlyn_53 (BE2), Blueeyedbeauty_33 (BK1), Bmoc_52 (BE1), BoomerJR_56 (BE2), Bordeaux_54 (BE2), Brizzy_55 (BE2), CeilingFan_55 (BE2), Chaewon_33 (BK2), Circinus_31 (BK2), Comrade_34 (BK1), DeluluLabubu_33 (BK1), Elmer_58 (BE2), Emma1919_35 (BK1), Enygma_56 (BE2), Faust_34 (BK1), Forrest_35 (BK1), Francob_33 (BK1), Genie2_56 (BE2), Gibbi_60 (BE2), Gilson_35 (BK1), IchabodCrane_53 (BE2), Jada_33 (BK1), JimJam_56 (BE2), Jollison_55 (BE2), Karimac_55 (BE2), Karp_33 (BK1), Kenrey_35 (BK1), KentuckyRacer_56 (BE2), LilMartin_51 (BE1), LilSaint_58 (BE1), Limpid_31 (BK1), LukeCage_55 (BE2), Marsus_52 (BE1), Maupel_35 (BK1), MeganTheeKilla_33 (BK1), Mildred21_52 (BE1), MindFlayer_54 (BE2), Moab_34 (BK1), Mugiwara_55 (BE2), MulchMansion_51 (BE1), Muntaha_30 (BK2), Patelgo_34 (BK1), Phredrick_33 (BK1), PumpkinSpice_55 (BE2), Quarant19_56 (BE2), Rikishi_56 (BE2), Riptide_51 (BE1), SaltySpittoon_56 (BE2), Scheme_55 (BE1), SeresaTree_34 (BK1), Sham_31 (BK1), Sollertia_56 (BE2), SparkleGoddess_34 (BK1), Spelly_56 (BE2), Spilled_57 (BE2), Stanimal_56 (BE2), StarPlatinum_56 (BE2), Starbow_54 (BE2), Stigma_34 (BK1), TomSawyer_54 (BE2), Tomas_58 (BE2), TunaTartare_33 (BK1), Wakanda_30 (BK2), Watermoore_54 (BE1), Westy_34 (BK1), Wipeout_54 (BE2), Wofford_55 (BE2), Yaboi_56 (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 5 was manually annotated 34 times for cluster BE1.
- Start number 6 was manually annotated 10 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 6 was manually annotated 34 times for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 6 was manually annotated 23 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 6 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: AcciDwight_60 Start: 30891, Stop: 31679, Start Num: 6

Candidate Starts for AcciDwight_60:

(1, 30831), (Start: 6 @30891 has 71 MA's), (13, 30969), (18, 30999), (20, 31008), (24, 31032), (25, 31056), (30, 31122), (35, 31203), (38, 31212), (43, 31245), (45, 31275), (47, 31281), (50, 31305), (51, 31326), (60, 31377), (61, 31383), (63, 31401), (74, 31533), (80, 31599),

Gene: Amabiko_56 Start: 30936, Stop: 31724, Start Num: 6

Candidate Starts for Amabiko_56:

(1, 30876), (Start: 6 @30936 has 71 MA's), (13, 31014), (18, 31044), (20, 31053), (24, 31077), (25, 31101), (30, 31167), (35, 31248), (38, 31257), (43, 31290), (45, 31320), (47, 31326), (50, 31350), (51, 31371), (60, 31422), (61, 31428), (63, 31446), (74, 31578), (80, 31644),

Gene: Anedea_52 Start: 30469, Stop: 31263, Start Num: 6

Candidate Starts for Anedea_52:

(Start: 6 @30469 has 71 MA's), (11, 30526), (16, 30565), (20, 30586), (24, 30610), (25, 30634), (45, 30853), (46, 30856), (47, 30859), (61, 30958), (65, 31042), (71, 31096),

Gene: Angela_51 Start: 29947, Stop: 30741, Start Num: 6

Candidate Starts for Angela_51:

(Start: 6 @29947 has 71 MA's), (7, 29968), (13, 30025), (24, 30088), (25, 30112), (45, 30331), (47, 30337), (51, 30382), (63, 30454), (65, 30520), (71, 30574), (74, 30586),

Gene: AngryGiraffe_55 Start: 30910, Stop: 31698, Start Num: 6

Candidate Starts for AngryGiraffe_55:

(1, 30850), (2, 30859), (Start: 6 @30910 has 71 MA's), (13, 30988), (15, 31000), (17, 31012), (18, 31018), (20, 31027), (24, 31051), (25, 31075), (28, 31117), (38, 31231), (39, 31237), (45, 31294), (47, 31300), (49, 31318), (51, 31345), (61, 31402), (63, 31420), (66, 31501), (69, 31525), (71, 31540), (74, 31552),

Gene: Annadreamy_31 Start: 19482, Stop: 20312, Start Num: 6

Candidate Starts for Annadreamy_31:

(Start: 6 @19482 has 71 MA's), (13, 19560), (24, 19623), (25, 19647), (37, 19800), (46, 19872), (47, 19875), (64, 20016), (66, 20094), (70, 20127), (73, 20142), (78, 20184), (83, 20247),

Gene: Bartholomune_52 Start: 30255, Stop: 31055, Start Num: 5

Candidate Starts for Bartholomune_52:

(Start: 5 @30255 has 34 MA's), (16, 30357), (24, 30402), (25, 30426), (33, 30522), (39, 30588), (45, 30645), (47, 30651), (48, 30663), (49, 30669), (51, 30696), (71, 30888),

Gene: Battuta_54 Start: 30910, Stop: 31698, Start Num: 6

Candidate Starts for Battuta_54:

(1, 30850), (Start: 6 @30910 has 71 MA's), (13, 30988), (18, 31018), (20, 31027), (24, 31051), (25, 31075), (30, 31141), (35, 31222), (38, 31231), (43, 31264), (45, 31294), (47, 31300), (50, 31324), (51, 31345), (60, 31396), (61, 31402), (63, 31420), (74, 31552), (80, 31618),

Gene: Belfort_35 Start: 22004, Stop: 22828, Start Num: 6

Candidate Starts for Belfort_35:

(Start: 6 @22004 has 71 MA's), (21, 22118), (24, 22139), (25, 22163), (27, 22172), (47, 22391), (57, 22484), (69, 22634), (70, 22643), (78, 22700),

Gene: Beuffert_32 Start: 20577, Stop: 21407, Start Num: 6

Candidate Starts for Beuffert_32:

(Start: 6 @20577 has 71 MA's), (14, 20661), (24, 20718), (25, 20742), (47, 20970), (60, 21084), (64, 21111), (70, 21222), (73, 21237), (78, 21279),

Gene: BillNye_29 Start: 22882, Stop: 23727, Start Num: 6

Candidate Starts for BillNye_29:

(Start: 6 @22882 has 71 MA's), (8, 22906), (9, 22912), (11, 22936), (22, 23005), (24, 23020), (25, 23044), (27, 23053), (47, 23272), (49, 23290), (67, 23515), (70, 23539), (78, 23596), (83, 23659), (84, 23710),

Gene: Birchlyn_53 Start: 28793, Stop: 29581, Start Num: 6

Candidate Starts for Birchlyn_53:

(1, 28733), (Start: 6 @28793 has 71 MA's), (13, 28871), (18, 28901), (20, 28910), (24, 28934), (25, 28958), (30, 29024), (35, 29105), (38, 29114), (43, 29147), (45, 29177), (47, 29183), (50, 29207), (51, 29228), (60, 29279), (61, 29285), (63, 29303), (74, 29435), (80, 29501),

Gene: BlueOtter_54 Start: 31619, Stop: 32419, Start Num: 5

Candidate Starts for BlueOtter_54:

(Start: 5 @31619 has 34 MA's), (Start: 6 @31625 has 71 MA's), (10, 31673), (13, 31703), (17, 31727), (20, 31742), (21, 31745), (25, 31790), (35, 31937), (36, 31940), (45, 32009), (47, 32015), (48, 32027), (49, 32033), (52, 32063), (53, 32075), (60, 32108), (71, 32252), (77, 32297),

Gene: Blueeyedbeauty_33 Start: 19974, Stop: 20804, Start Num: 6

Candidate Starts for Blueeyedbeauty_33:

(Start: 6 @19974 has 71 MA's), (14, 20058), (24, 20115), (25, 20139), (31, 20220), (38, 20295), (41, 20322), (47, 20367), (58, 20466), (64, 20508), (70, 20619), (73, 20634), (78, 20676),

Gene: Bmoc_52 Start: 30254, Stop: 31048, Start Num: 6

Candidate Starts for Bmoc_52:

(Start: 6 @30254 has 71 MA's), (10, 30302), (11, 30311), (16, 30350), (20, 30371), (24, 30395), (25, 30419), (32, 30512), (45, 30638), (46, 30641), (47, 30644), (53, 30704), (61, 30743), (65, 30827), (71, 30881),

Gene: BoomerJR_56 Start: 30799, Stop: 31587, Start Num: 6

Candidate Starts for BoomerJR_56:

(1, 30739), (2, 30748), (Start: 6 @30799 has 71 MA's), (13, 30877), (15, 30889), (17, 30901), (18, 30907), (20, 30916), (24, 30940), (25, 30964), (28, 31006), (38, 31120), (39, 31126), (45, 31183), (47, 31189), (49, 31207), (51, 31234), (61, 31291), (63, 31309), (66, 31390), (69, 31414), (71, 31429), (74, 31441), (80, 31507),

Gene: Bordeaux_54 Start: 31065, Stop: 31853, Start Num: 6

Candidate Starts for Bordeaux_54:

(1, 31005), (Start: 6 @31065 has 71 MA's), (13, 31143), (18, 31173), (20, 31182), (24, 31206), (25, 31230), (30, 31296), (35, 31377), (38, 31386), (43, 31419), (45, 31449), (47, 31455), (50, 31479), (51, 31500), (60, 31551), (61, 31557), (63, 31575), (74, 31707), (80, 31773),

Gene: Braelyn_53 Start: 31022, Stop: 31822, Start Num: 5

Candidate Starts for Braelyn_53:

(Start: 5 @31022 has 34 MA's), (16, 31124), (24, 31169), (25, 31193), (33, 31289), (39, 31355), (45, 31412), (47, 31418), (48, 31430), (49, 31436), (51, 31463), (53, 31478), (60, 31511), (71, 31655),

Gene: Brizzy_55 Start: 30584, Stop: 31372, Start Num: 6

Candidate Starts for Brizzy_55:

(Start: 6 @30584 has 71 MA's), (13, 30662), (18, 30692), (24, 30725), (25, 30749), (35, 30896), (38, 30905), (43, 30938), (45, 30968), (47, 30974), (50, 30998), (51, 31019), (60, 31070), (61, 31076), (63, 31094), (74, 31226), (79, 31271), (80, 31292),

Gene: Cadmus_52 Start: 30601, Stop: 31401, Start Num: 5

Candidate Starts for Cadmus_52:

(Start: 5 @30601 has 34 MA's), (13, 30685), (18, 30715), (24, 30748), (25, 30772), (36, 30922), (39, 30934), (45, 30991), (47, 30997), (71, 31234), (74, 31246),

Gene: CeilingFan_55 Start: 30825, Stop: 31613, Start Num: 6

Candidate Starts for CeilingFan_55:

(Start: 6 @30825 has 71 MA's), (13, 30903), (18, 30933), (24, 30966), (25, 30990), (35, 31137), (38, 31146), (43, 31179), (45, 31209), (47, 31215), (50, 31239), (51, 31260), (60, 31311), (61, 31317), (63, 31335), (74, 31467), (79, 31512), (80, 31533),

Gene: Chaewon_33 Start: 23004, Stop: 23855, Start Num: 6

Candidate Starts for Chaewon_33:

(Start: 6 @23004 has 71 MA's), (8, 23028), (9, 23034), (11, 23058), (20, 23118), (22, 23127), (24, 23142), (25, 23166), (29, 23223), (47, 23394), (49, 23412), (68, 23643), (70, 23664), (78, 23721), (83, 23784), (84, 23835),

Gene: Circinus_31 Start: 23018, Stop: 23863, Start Num: 6

Candidate Starts for Circinus_31:

(Start: 6 @23018 has 71 MA's), (8, 23042), (9, 23048), (11, 23072), (22, 23141), (24, 23156), (25, 23180), (27, 23189), (47, 23408), (49, 23426), (67, 23651), (70, 23675), (78, 23732), (83, 23795), (84, 23846),

Gene: Comrade_34 Start: 21619, Stop: 22443, Start Num: 6

Candidate Starts for Comrade_34:

(Start: 6 @21619 has 71 MA's), (21, 21733), (24, 21754), (25, 21778), (27, 21787), (47, 22006), (57, 22099), (69, 22249), (70, 22258), (78, 22315),

Gene: Coogler_54 Start: 31645, Stop: 32445, Start Num: 5

Candidate Starts for Coogler_54:

(Start: 5 @31645 has 34 MA's), (Start: 6 @31651 has 71 MA's), (10, 31699), (13, 31729), (17, 31753), (20, 31768), (21, 31771), (25, 31816), (35, 31963), (36, 31966), (45, 32035), (47, 32041), (48, 32053), (49, 32059), (52, 32089), (53, 32101), (60, 32134), (71, 32278), (77, 32323),

Gene: Cross_54 Start: 31620, Stop: 32420, Start Num: 5

Candidate Starts for Cross_54:

(Start: 5 @31620 has 34 MA's), (Start: 6 @31626 has 71 MA's), (10, 31674), (13, 31704), (17, 31728), (20, 31743), (21, 31746), (25, 31791), (35, 31938), (36, 31941), (45, 32010), (47, 32016), (48, 32028),

(49, 32034), (52, 32064), (53, 32076), (60, 32109), (71, 32253), (77, 32298),

Gene: Cursive_52 Start: 31145, Stop: 31945, Start Num: 5

Candidate Starts for Cursive_52:

(Start: 5 @31145 has 34 MA's), (Start: 6 @31151 has 71 MA's), (10, 31199), (13, 31229), (17, 31253), (20, 31268), (21, 31271), (25, 31316), (35, 31463), (36, 31466), (45, 31535), (47, 31541), (48, 31553), (49, 31559), (52, 31589), (53, 31601), (60, 31634), (71, 31778), (77, 31823),

Gene: Daubenski_55 Start: 31365, Stop: 32165, Start Num: 5

Candidate Starts for Daubenski_55:

(Start: 5 @31365 has 34 MA's), (13, 31449), (18, 31479), (24, 31512), (25, 31536), (36, 31686), (39, 31698), (45, 31755), (47, 31761), (71, 31998), (74, 32010),

Gene: Davielle_51 Start: 30439, Stop: 31239, Start Num: 5

Candidate Starts for Davielle_51:

(Start: 5 @30439 has 34 MA's), (16, 30541), (24, 30586), (25, 30610), (33, 30706), (39, 30772), (45, 30829), (47, 30835), (48, 30847), (49, 30853), (51, 30880), (53, 30895), (60, 30928), (71, 31072),

Gene: DeluluLabubu_33 Start: 19702, Stop: 20526, Start Num: 6

Candidate Starts for DeluluLabubu_33:

(Start: 6 @19702 has 71 MA's), (12, 19765), (20, 19813), (21, 19816), (24, 19837), (25, 19861), (47, 20089), (57, 20182), (70, 20341),

Gene: EGole_55 Start: 32524, Stop: 33324, Start Num: 5

Candidate Starts for EGole_55:

(Start: 5 @32524 has 34 MA's), (Start: 6 @32530 has 71 MA's), (10, 32578), (13, 32608), (17, 32632), (21, 32650), (25, 32695), (36, 32845), (45, 32914), (47, 32920), (48, 32932), (49, 32938), (53, 32980), (60, 33013), (71, 33157), (77, 33202),

Gene: Elmer_58 Start: 31975, Stop: 32760, Start Num: 6

Candidate Starts for Elmer_58:

(1, 31915), (2, 31924), (3, 31933), (4, 31936), (Start: 6 @31975 has 71 MA's), (12, 32044), (18, 32083), (20, 32092), (21, 32095), (24, 32116), (25, 32140), (30, 32206), (32, 32233), (35, 32287), (45, 32359), (47, 32365), (49, 32383), (51, 32410), (55, 32440), (63, 32485), (69, 32590), (71, 32605), (78, 32656),

Gene: Emma1919_35 Start: 20397, Stop: 21221, Start Num: 6

Candidate Starts for Emma1919_35:

(Start: 6 @20397 has 71 MA's), (12, 20460), (20, 20508), (21, 20511), (24, 20532), (25, 20556), (47, 20784), (57, 20877), (70, 21036),

Gene: Enygma_56 Start: 32747, Stop: 33535, Start Num: 6

Candidate Starts for Enygma_56:

(1, 32687), (Start: 6 @32747 has 71 MA's), (10, 32795), (18, 32855), (20, 32864), (23, 32885), (24, 32888), (25, 32912), (26, 32918), (28, 32954), (35, 33059), (38, 33068), (39, 33074), (43, 33101), (45, 33131), (47, 33137), (51, 33182), (63, 33257), (68, 33350), (69, 33362), (71, 33377), (80, 33455),

Gene: Evy_55 Start: 31621, Stop: 32421, Start Num: 5

Candidate Starts for Evy_55:

(Start: 5 @31621 has 34 MA's), (16, 31723), (24, 31768), (25, 31792), (39, 31954), (40, 31972), (45, 32011), (47, 32017), (48, 32029), (49, 32035), (51, 32062), (53, 32077), (71, 32254),

Gene: Faust_34 Start: 20990, Stop: 21811, Start Num: 6

Candidate Starts for Faust_34:

(Start: 6 @20990 has 71 MA's), (9, 21017), (12, 21053), (13, 21062), (14, 21068), (21, 21104), (24, 21125), (25, 21149), (31, 21230), (34, 21248), (37, 21302), (44, 21359), (47, 21377), (64, 21518), (67, 21605), (70, 21629), (72, 21641), (84, 21800),

Gene: Forrest_35 Start: 20520, Stop: 21344, Start Num: 6

Candidate Starts for Forrest_35:

(Start: 6 @20520 has 71 MA's), (12, 20583), (21, 20634), (24, 20655), (25, 20679), (47, 20907), (57, 21000), (70, 21159),

Gene: Francob_33 Start: 20528, Stop: 21352, Start Num: 6

Candidate Starts for Francob_33:

(Start: 6 @20528 has 71 MA's), (21, 20642), (24, 20663), (25, 20687), (44, 20897), (47, 20915), (57, 21008), (64, 21056), (70, 21167), (78, 21224), (82, 21269),

Gene: Genie2_56 Start: 30913, Stop: 31701, Start Num: 6

Candidate Starts for Genie2_56:

(1, 30853), (2, 30862), (Start: 6 @30913 has 71 MA's), (13, 30991), (15, 31003), (17, 31015), (18, 31021), (20, 31030), (24, 31054), (25, 31078), (28, 31120), (38, 31234), (39, 31240), (45, 31297), (47, 31303), (49, 31321), (51, 31348), (61, 31405), (63, 31423), (66, 31504), (69, 31528), (71, 31543), (74, 31555),

Gene: Gibbi_60 Start: 31048, Stop: 31836, Start Num: 6

Candidate Starts for Gibbi_60:

(1, 30988), (Start: 6 @31048 has 71 MA's), (13, 31126), (18, 31156), (20, 31165), (24, 31189), (25, 31213), (30, 31279), (35, 31360), (38, 31369), (43, 31402), (45, 31432), (47, 31438), (50, 31462), (51, 31483), (60, 31534), (61, 31540), (63, 31558), (74, 31690), (80, 31756),

Gene: Gilson_35 Start: 20350, Stop: 21174, Start Num: 6

Candidate Starts for Gilson_35:

(Start: 6 @20350 has 71 MA's), (12, 20413), (20, 20461), (21, 20464), (24, 20485), (25, 20509), (47, 20737), (57, 20830), (70, 20989),

Gene: HangryHippo_54 Start: 31619, Stop: 32419, Start Num: 5

Candidate Starts for HangryHippo_54:

(Start: 5 @31619 has 34 MA's), (Start: 6 @31625 has 71 MA's), (10, 31673), (13, 31703), (17, 31727), (20, 31742), (21, 31745), (25, 31790), (35, 31937), (36, 31940), (45, 32009), (47, 32015), (48, 32027), (49, 32033), (52, 32063), (53, 32075), (60, 32108), (71, 32252), (77, 32297),

Gene: IchabodCrane_53 Start: 30637, Stop: 31425, Start Num: 6

Candidate Starts for IchabodCrane_53:

(Start: 6 @30637 has 71 MA's), (13, 30715), (18, 30745), (24, 30778), (25, 30802), (35, 30949), (38, 30958), (43, 30991), (45, 31021), (47, 31027), (50, 31051), (51, 31072), (60, 31123), (61, 31129), (63, 31147), (74, 31279), (79, 31324), (80, 31345),

Gene: Jada_33 Start: 19702, Stop: 20526, Start Num: 6

Candidate Starts for Jada_33:

(Start: 6 @19702 has 71 MA's), (12, 19765), (21, 19816), (24, 19837), (25, 19861), (47, 20089), (57, 20182), (70, 20341),

Gene: Jay2Jay_59 Start: 32429, Stop: 33229, Start Num: 5

Candidate Starts for Jay2Jay_59:

(Start: 5 @32429 has 34 MA's), (16, 32531), (24, 32576), (25, 32600), (39, 32762), (40, 32780), (45, 32819), (47, 32825), (48, 32837), (49, 32843), (51, 32870), (53, 32885), (71, 33062),

Gene: JimJam_56 Start: 31011, Stop: 31799, Start Num: 6

Candidate Starts for JimJam_56:

(1, 30951), (Start: 6 @31011 has 71 MA's), (13, 31089), (18, 31119), (20, 31128), (24, 31152), (25, 31176), (30, 31242), (35, 31323), (38, 31332), (43, 31365), (45, 31395), (47, 31401), (50, 31425), (51, 31446), (60, 31497), (63, 31521), (74, 31653), (80, 31719),

Gene: Jollison_55 Start: 30893, Stop: 31681, Start Num: 6

Candidate Starts for Jollison_55:

(1, 30833), (Start: 6 @30893 has 71 MA's), (13, 30971), (18, 31001), (20, 31010), (24, 31034), (25, 31058), (30, 31124), (35, 31205), (38, 31214), (43, 31247), (45, 31277), (47, 31283), (50, 31307), (51, 31328), (60, 31379), (61, 31385), (63, 31403), (74, 31535), (80, 31601),

Gene: Karimac_55 Start: 31042, Stop: 31830, Start Num: 6

Candidate Starts for Karimac_55:

(Start: 6 @31042 has 71 MA's), (13, 31120), (18, 31150), (24, 31183), (25, 31207), (35, 31354), (38, 31363), (43, 31396), (45, 31426), (47, 31432), (50, 31456), (51, 31477), (60, 31528), (61, 31534), (63, 31552), (74, 31684), (79, 31729), (80, 31750),

Gene: Karp_33 Start: 21219, Stop: 22043, Start Num: 6

Candidate Starts for Karp_33:

(Start: 6 @21219 has 71 MA's), (21, 21333), (24, 21354), (25, 21378), (27, 21387), (47, 21606), (57, 21699), (69, 21849), (70, 21858), (78, 21915),

Gene: Kenrey_35 Start: 20399, Stop: 21223, Start Num: 6

Candidate Starts for Kenrey_35:

(Start: 6 @20399 has 71 MA's), (12, 20462), (21, 20513), (24, 20534), (25, 20558), (44, 20768), (47, 20786), (57, 20879), (70, 21038),

Gene: KentuckyRacer_56 Start: 30826, Stop: 31614, Start Num: 6

Candidate Starts for KentuckyRacer_56:

(Start: 6 @30826 has 71 MA's), (13, 30904), (18, 30934), (24, 30967), (25, 30991), (35, 31138), (38, 31147), (43, 31180), (45, 31210), (47, 31216), (50, 31240), (51, 31261), (60, 31312), (61, 31318), (63, 31336), (74, 31468), (79, 31513), (80, 31534),

Gene: Larnav_54 Start: 31604, Stop: 32404, Start Num: 5

Candidate Starts for Larnav_54:

(Start: 5 @31604 has 34 MA's), (Start: 6 @31610 has 71 MA's), (10, 31658), (13, 31688), (17, 31712), (20, 31727), (21, 31730), (25, 31775), (35, 31922), (36, 31925), (45, 31994), (47, 32000), (48, 32012), (49, 32018), (52, 32048), (53, 32060), (60, 32093), (71, 32237), (77, 32282),

Gene: Leo04_55 Start: 32119, Stop: 32919, Start Num: 5

Candidate Starts for Leo04_55:

(Start: 5 @32119 has 34 MA's), (Start: 6 @32125 has 71 MA's), (10, 32173), (13, 32203), (17, 32227), (20, 32242), (21, 32245), (25, 32290), (35, 32437), (36, 32440), (45, 32509), (47, 32515), (48, 32527), (49, 32533), (52, 32563), (53, 32575), (60, 32608), (69, 32737), (71, 32752), (77, 32797),

Gene: Liandry_53 Start: 30959, Stop: 31759, Start Num: 5

Candidate Starts for Liandry_53:

(Start: 5 @30959 has 34 MA's), (16, 31061), (24, 31106), (25, 31130), (33, 31226), (39, 31292), (45, 31349), (47, 31355), (48, 31367), (49, 31373), (51, 31400), (53, 31415), (60, 31448), (71, 31592),

Gene: LilMartin_51 Start: 29895, Stop: 30689, Start Num: 6

Candidate Starts for LilMartin_51:

(Start: 6 @29895 has 71 MA's), (7, 29916), (13, 29973), (24, 30036), (25, 30060), (45, 30279), (47, 30285), (51, 30330), (63, 30402), (65, 30468), (71, 30522), (74, 30534),

Gene: LilSaint_58 Start: 30141, Stop: 30935, Start Num: 6

Candidate Starts for LilSaint_58:

(Start: 6 @30141 has 71 MA's), (10, 30189), (11, 30198), (16, 30237), (20, 30258), (24, 30282), (25, 30306), (45, 30525), (46, 30528), (47, 30531), (53, 30591), (61, 30630), (65, 30714), (71, 30768),

Gene: Limpid_31 Start: 19481, Stop: 20311, Start Num: 6

Candidate Starts for Limpid_31:

(Start: 6 @19481 has 71 MA's), (13, 19559), (24, 19622), (25, 19646), (37, 19799), (46, 19871), (47, 19874), (64, 20015), (66, 20093), (70, 20126), (73, 20141), (78, 20183), (83, 20246),

Gene: LukeCage_55 Start: 30793, Stop: 31581, Start Num: 6

Candidate Starts for LukeCage_55:

(1, 30733), (Start: 6 @30793 has 71 MA's), (8, 30820), (12, 30862), (13, 30871), (18, 30901), (20, 30910), (24, 30934), (25, 30958), (30, 31024), (35, 31105), (38, 31114), (43, 31147), (45, 31177), (47, 31183), (49, 31201), (51, 31228), (63, 31303), (74, 31435), (80, 31501),

Gene: Lululemon_53 Start: 31000, Stop: 31800, Start Num: 5

Candidate Starts for Lululemon_53:

(Start: 5 @31000 has 34 MA's), (Start: 6 @31006 has 71 MA's), (10, 31054), (13, 31084), (17, 31108), (20, 31123), (21, 31126), (25, 31171), (35, 31318), (36, 31321), (45, 31390), (47, 31396), (48, 31408), (49, 31414), (52, 31444), (53, 31456), (60, 31489), (71, 31633), (77, 31678),

Gene: Marsus_52 Start: 30167, Stop: 30961, Start Num: 6

Candidate Starts for Marsus_52:

(Start: 6 @30167 has 71 MA's), (7, 30188), (11, 30224), (13, 30245), (15, 30257), (24, 30308), (25, 30332), (45, 30551), (47, 30557), (51, 30602), (53, 30617), (63, 30674), (71, 30794), (74, 30806),

Gene: Maupel_35 Start: 20350, Stop: 21174, Start Num: 6

Candidate Starts for Maupel_35:

(Start: 6 @20350 has 71 MA's), (12, 20413), (20, 20461), (21, 20464), (24, 20485), (25, 20509), (47, 20737), (57, 20830), (70, 20989),

Gene: MeganTheeKilla_33 Start: 19711, Stop: 20535, Start Num: 6

Candidate Starts for MeganTheeKilla_33:

(Start: 6 @19711 has 71 MA's), (12, 19774), (20, 19822), (21, 19825), (24, 19846), (25, 19870), (47, 20098), (57, 20191), (70, 20350),

Gene: Mildred21_52 Start: 30088, Stop: 30882, Start Num: 6

Candidate Starts for Mildred21_52:

(Start: 6 @30088 has 71 MA's), (10, 30136), (11, 30145), (16, 30184), (21, 30208), (24, 30229), (25, 30253), (33, 30349), (38, 30409), (45, 30472), (47, 30478), (51, 30523), (71, 30715), (74, 30727),

Gene: MindFlayer_54 Start: 30544, Stop: 31332, Start Num: 6

Candidate Starts for MindFlayer_54:

(1, 30484), (Start: 6 @30544 has 71 MA's), (13, 30622), (18, 30652), (20, 30661), (24, 30685), (25, 30709), (30, 30775), (35, 30856), (38, 30865), (43, 30898), (45, 30928), (47, 30934), (50, 30958), (51, 30979), (60, 31030), (63, 31054), (74, 31186), (80, 31252),

Gene: Moab_34 Start: 21547, Stop: 22374, Start Num: 6

Candidate Starts for Moab_34:

(Start: 6 @21547 has 71 MA's), (24, 21685), (25, 21709), (26, 21715), (47, 21937), (49, 21955), (57, 22030), (62, 22060), (69, 22180), (70, 22189), (72, 22201), (83, 22309),

Gene: Mugiwara_55 Start: 31292, Stop: 32080, Start Num: 6

Candidate Starts for Mugiwara_55:

(1, 31232), (Start: 6 @31292 has 71 MA's), (8, 31319), (13, 31370), (18, 31400), (20, 31409), (24, 31433), (25, 31457), (35, 31604), (36, 31607), (43, 31646), (45, 31676), (47, 31682), (51, 31727), (63, 31802), (67, 31892), (74, 31934), (79, 31979), (80, 32000),

Gene: MulchMansion_51 Start: 29895, Stop: 30689, Start Num: 6

Candidate Starts for MulchMansion_51:

(Start: 6 @29895 has 71 MA's), (7, 29916), (13, 29973), (24, 30036), (25, 30060), (45, 30279), (47, 30285), (51, 30330), (63, 30402), (65, 30468), (71, 30522), (74, 30534),

Gene: Muntaha_30 Start: 21354, Stop: 22181, Start Num: 6

Candidate Starts for Muntaha_30:

(Start: 6 @21354 has 71 MA's), (7, 21369), (8, 21375), (9, 21381), (11, 21405), (24, 21489), (25, 21513), (29, 21570), (47, 21741), (51, 21786), (52, 21789), (56, 21834), (70, 21993), (75, 22014), (78, 22050), (83, 22113), (84, 22164),

Gene: Navo_52 Start: 30917, Stop: 31717, Start Num: 5

Candidate Starts for Navo_52:

(Start: 5 @30917 has 34 MA's), (16, 31019), (24, 31064), (25, 31088), (33, 31184), (39, 31250), (45, 31307), (47, 31313), (48, 31325), (49, 31331), (51, 31358), (52, 31361), (53, 31373), (61, 31412), (71, 31550), (76, 31592),

Gene: NootNoot_50 Start: 29873, Stop: 30673, Start Num: 5

Candidate Starts for NootNoot_50:

(Start: 5 @29873 has 34 MA's), (16, 29975), (24, 30020), (25, 30044), (33, 30140), (39, 30206), (45, 30263), (47, 30269), (48, 30281), (49, 30287), (51, 30314), (71, 30506),

Gene: PacManQ_53 Start: 31000, Stop: 31800, Start Num: 5

Candidate Starts for PacManQ_53:

(Start: 5 @31000 has 34 MA's), (Start: 6 @31006 has 71 MA's), (10, 31054), (13, 31084), (17, 31108), (20, 31123), (21, 31126), (25, 31171), (35, 31318), (36, 31321), (45, 31390), (47, 31396), (48, 31408), (49, 31414), (52, 31444), (53, 31456), (60, 31489), (71, 31633), (77, 31678),

Gene: Paradiddles_50 Start: 30134, Stop: 30934, Start Num: 5

Candidate Starts for Paradiddles_50:

(Start: 5 @30134 has 34 MA's), (15, 30230), (16, 30236), (24, 30281), (25, 30305), (33, 30401), (39, 30467), (45, 30524), (47, 30530), (48, 30542), (49, 30548), (51, 30575), (71, 30767),

Gene: Patelgo_34 Start: 21737, Stop: 22564, Start Num: 6

Candidate Starts for Patelgo_34:

(Start: 6 @21737 has 71 MA's), (24, 21875), (25, 21899), (26, 21905), (47, 22127), (49, 22145), (57, 22220), (62, 22250), (69, 22370), (70, 22379), (72, 22391), (83, 22499),

Gene: Peebs_53 Start: 31357, Stop: 32157, Start Num: 5

Candidate Starts for Peebs_53:

(Start: 5 @31357 has 34 MA's), (Start: 6 @31363 has 71 MA's), (10, 31411), (13, 31441), (17, 31465), (20, 31480), (21, 31483), (25, 31528), (35, 31675), (36, 31678), (45, 31747), (47, 31753), (48, 31765), (49, 31771), (52, 31801), (53, 31813), (60, 31846), (71, 31990), (77, 32035),

Gene: Pepperwood_54 Start: 31490, Stop: 32290, Start Num: 5

Candidate Starts for Pepperwood_54:

(Start: 5 @31490 has 34 MA's), (Start: 6 @31496 has 71 MA's), (10, 31544), (13, 31574), (17, 31598), (20, 31613), (21, 31616), (25, 31661), (35, 31808), (36, 31811), (45, 31880), (47, 31886), (48, 31898), (49, 31904), (52, 31934), (53, 31946), (60, 31979), (71, 32123), (77, 32168),

Gene: Persimmon_50 Start: 29848, Stop: 30648, Start Num: 5

Candidate Starts for Persimmon_50:

(Start: 5 @29848 has 34 MA's), (16, 29950), (24, 29995), (25, 30019), (33, 30115), (39, 30181), (45, 30238), (47, 30244), (48, 30256), (49, 30262), (51, 30289), (53, 30304), (60, 30337), (71, 30481),

Gene: Phredrick_33 Start: 19605, Stop: 20429, Start Num: 6

Candidate Starts for Phredrick_33:

(Start: 6 @19605 has 71 MA's), (12, 19668), (21, 19719), (24, 19740), (25, 19764), (44, 19974), (47, 19992), (57, 20085), (70, 20244),

Gene: PinkiePie_52 Start: 30959, Stop: 31759, Start Num: 5

Candidate Starts for PinkiePie_52:

(Start: 5 @30959 has 34 MA's), (16, 31061), (24, 31106), (25, 31130), (33, 31226), (39, 31292), (45, 31349), (47, 31355), (48, 31367), (49, 31373), (51, 31400), (53, 31415), (60, 31448), (71, 31592),

Gene: PumpkinSpice_55 Start: 30936, Stop: 31724, Start Num: 6

Candidate Starts for PumpkinSpice_55:

(1, 30876), (Start: 6 @30936 has 71 MA's), (13, 31014), (18, 31044), (20, 31053), (24, 31077), (25, 31101), (30, 31167), (35, 31248), (38, 31257), (43, 31290), (45, 31320), (47, 31326), (50, 31350), (51, 31371), (60, 31422), (61, 31428), (63, 31446), (74, 31578), (80, 31644),

Gene: Quarant19_56 Start: 30927, Stop: 31715, Start Num: 6

Candidate Starts for Quarant19_56:

(1, 30867), (Start: 6 @30927 has 71 MA's), (13, 31005), (18, 31035), (20, 31044), (24, 31068), (25, 31092), (30, 31158), (35, 31239), (38, 31248), (43, 31281), (45, 31311), (47, 31317), (50, 31341), (51, 31362), (60, 31413), (61, 31419), (63, 31437), (74, 31569), (80, 31635),

Gene: Rikishi_56 Start: 30842, Stop: 31630, Start Num: 6

Candidate Starts for Rikishi_56:

(1, 30782), (Start: 6 @30842 has 71 MA's), (13, 30920), (18, 30950), (20, 30959), (24, 30983), (25, 31007), (30, 31073), (35, 31154), (38, 31163), (43, 31196), (45, 31226), (47, 31232), (50, 31256), (51, 31277), (60, 31328), (61, 31334), (63, 31352), (74, 31484), (80, 31550),

Gene: Riptide_51 Start: 29690, Stop: 30484, Start Num: 6

Candidate Starts for Riptide_51:

(Start: 6 @29690 has 71 MA's), (11, 29747), (16, 29786), (20, 29807), (24, 29831), (25, 29855), (45, 30074), (46, 30077), (47, 30080), (53, 30140), (61, 30179), (65, 30263), (71, 30317),

Gene: SaltySpittoon_56 Start: 30936, Stop: 31724, Start Num: 6

Candidate Starts for SaltySpittoon_56:

(1, 30876), (Start: 6 @30936 has 71 MA's), (13, 31014), (18, 31044), (20, 31053), (24, 31077), (25, 31101), (30, 31167), (35, 31248), (38, 31257), (43, 31290), (45, 31320), (47, 31326), (50, 31350), (51, 31371), (60, 31422), (61, 31428), (63, 31446), (74, 31578), (80, 31644),

Gene: Samisti12_54 Start: 32793, Stop: 33593, Start Num: 5

Candidate Starts for Samisti12_54:

(Start: 5 @32793 has 34 MA's), (Start: 6 @32799 has 71 MA's), (10, 32847), (13, 32877), (17, 32901), (20, 32916), (21, 32919), (25, 32964), (35, 33111), (36, 33114), (45, 33183), (47, 33189), (48, 33201), (49, 33207), (52, 33237), (53, 33249), (60, 33282), (71, 33426), (77, 33471),

Gene: Scheme_55 Start: 32210, Stop: 33004, Start Num: 6

Candidate Starts for Scheme_55:

(Start: 5 @32204 has 34 MA's), (Start: 6 @32210 has 71 MA's), (10, 32258), (13, 32288), (17, 32312), (20, 32327), (21, 32330), (25, 32375), (35, 32522), (36, 32525), (45, 32594), (47, 32600), (48, 32612), (49, 32618), (52, 32648), (53, 32660), (60, 32693), (71, 32837), (77, 32882),

Gene: SeresaTree_34 Start: 20380, Stop: 21201, Start Num: 6

Candidate Starts for SeresaTree_34:

(Start: 6 @20380 has 71 MA's), (9, 20407), (12, 20443), (13, 20452), (14, 20458), (21, 20494), (24, 20515), (25, 20539), (31, 20620), (34, 20638), (37, 20692), (44, 20749), (47, 20767), (64, 20908), (67, 20995), (70, 21019), (72, 21031), (84, 21190),

Gene: Sham_31 Start: 21459, Stop: 22298, Start Num: 6

Candidate Starts for Sham_31:

(Start: 6 @21459 has 71 MA's), (9, 21486), (12, 21522), (24, 21594), (25, 21618), (41, 21801), (47, 21846), (59, 21969), (64, 22005), (70, 22116),

Gene: Shuckle_52 Start: 31810, Stop: 32610, Start Num: 5

Candidate Starts for Shuckle_52:

(Start: 5 @31810 has 34 MA's), (Start: 6 @31816 has 71 MA's), (10, 31864), (13, 31894), (17, 31918), (20, 31933), (21, 31936), (25, 31981), (35, 32128), (36, 32131), (45, 32200), (47, 32206), (48, 32218), (49, 32224), (52, 32254), (53, 32266), (60, 32299), (71, 32443), (77, 32488),

Gene: Sollertia_56 Start: 30913, Stop: 31701, Start Num: 6

Candidate Starts for Sollertia_56:

(1, 30853), (2, 30862), (Start: 6 @30913 has 71 MA's), (13, 30991), (15, 31003), (17, 31015), (18, 31021), (20, 31030), (24, 31054), (25, 31078), (28, 31120), (38, 31234), (39, 31240), (45, 31297), (47, 31303), (49, 31321), (51, 31348), (61, 31405), (63, 31423), (66, 31504), (69, 31528), (71, 31543), (74, 31555),

Gene: SparkleGoddess_34 Start: 21621, Stop: 22445, Start Num: 6

Candidate Starts for SparkleGoddess_34:

(Start: 6 @21621 has 71 MA's), (21, 21735), (24, 21756), (25, 21780), (27, 21789), (42, 21969), (47, 22008), (57, 22101), (69, 22251), (70, 22260), (78, 22317),

Gene: Spelly_56 Start: 30891, Stop: 31679, Start Num: 6

Candidate Starts for Spelly_56:

(1, 30831), (Start: 6 @30891 has 71 MA's), (13, 30969), (18, 30999), (20, 31008), (24, 31032), (25, 31056), (30, 31122), (35, 31203), (38, 31212), (43, 31245), (45, 31275), (47, 31281), (50, 31305), (51, 31326), (60, 31377), (61, 31383), (63, 31401), (74, 31533), (80, 31599),

Gene: Spilled_57 Start: 31008, Stop: 31796, Start Num: 6

Candidate Starts for Spilled_57:

(1, 30948), (Start: 6 @31008 has 71 MA's), (13, 31086), (18, 31116), (24, 31149), (25, 31173), (35, 31320), (38, 31329), (43, 31362), (45, 31392), (47, 31398), (50, 31422), (51, 31443), (60, 31494), (63, 31518), (74, 31650), (80, 31716),

Gene: Squillium_53 Start: 30960, Stop: 31760, Start Num: 5

Candidate Starts for Squillium_53:

(Start: 5 @30960 has 34 MA's), (16, 31062), (24, 31107), (25, 31131), (33, 31227), (39, 31293), (45, 31350), (47, 31356), (48, 31368), (49, 31374), (51, 31401), (53, 31416), (60, 31449), (71, 31593),

Gene: Stanimal_56 Start: 30802, Stop: 31590, Start Num: 6

Candidate Starts for Stanimal_56:

(1, 30742), (2, 30751), (Start: 6 @30802 has 71 MA's), (13, 30880), (15, 30892), (17, 30904), (18, 30910), (20, 30919), (24, 30943), (25, 30967), (28, 31009), (38, 31123), (39, 31129), (45, 31186), (47, 31192), (49, 31210), (51, 31237), (61, 31294), (63, 31312), (66, 31393), (69, 31417), (71, 31432), (74, 31444),

Gene: StarPlatinum_56 Start: 31436, Stop: 32224, Start Num: 6

Candidate Starts for StarPlatinum_56:

(1, 31376), (Start: 6 @31436 has 71 MA's), (8, 31463), (12, 31505), (18, 31544), (20, 31553), (24, 31577), (25, 31601), (35, 31748), (38, 31757), (43, 31790), (45, 31820), (47, 31826), (49, 31844), (51, 31871), (63, 31946), (74, 32078), (80, 32144),

Gene: Starbow_54 Start: 30912, Stop: 31700, Start Num: 6

Candidate Starts for Starbow_54:

(1, 30852), (Start: 6 @30912 has 71 MA's), (13, 30990), (18, 31020), (20, 31029), (24, 31053), (25, 31077), (30, 31143), (35, 31224), (38, 31233), (43, 31266), (45, 31296), (47, 31302), (50, 31326), (51, 31347), (60, 31398), (61, 31404), (63, 31422), (74, 31554), (80, 31620),

Gene: Stigma_34 Start: 21622, Stop: 22446, Start Num: 6

Candidate Starts for Stigma_34:

(Start: 6 @21622 has 71 MA's), (21, 21736), (24, 21757), (25, 21781), (27, 21790), (42, 21970), (47, 22009), (57, 22102), (69, 22252), (70, 22261), (78, 22318),

Gene: Sushi23_54 Start: 31715, Stop: 32515, Start Num: 5

Candidate Starts for Sushi23_54:

(Start: 5 @31715 has 34 MA's), (Start: 6 @31721 has 71 MA's), (10, 31769), (13, 31799), (17, 31823), (20, 31838), (21, 31841), (25, 31886), (35, 32033), (36, 32036), (45, 32105), (47, 32111), (48, 32123), (49, 32129), (52, 32159), (53, 32171), (60, 32204), (71, 32348), (77, 32393),

Gene: Targaryen_55 Start: 32478, Stop: 33278, Start Num: 5

Candidate Starts for Targaryen_55:

(Start: 5 @32478 has 34 MA's), (16, 32580), (24, 32625), (25, 32649), (39, 32811), (40, 32829), (45, 32868), (47, 32874), (48, 32886), (49, 32892), (51, 32919), (53, 32934), (71, 33111),

Gene: Deutsch_54 Start: 31984, Stop: 32784, Start Num: 5

Candidate Starts for Deutsch_54:

(Start: 5 @31984 has 34 MA's), (Start: 6 @31990 has 71 MA's), (10, 32038), (13, 32068), (17, 32092), (20, 32107), (21, 32110), (25, 32155), (36, 32305), (45, 32374), (47, 32380), (48, 32392), (49, 32398), (53, 32440), (60, 32473), (71, 32617), (77, 32662),

Gene: TomSawyer_54 Start: 30530, Stop: 31318, Start Num: 6

Candidate Starts for TomSawyer_54:

(1, 30470), (Start: 6 @30530 has 71 MA's), (13, 30608), (18, 30638), (20, 30647), (24, 30671), (25, 30695), (30, 30761), (35, 30842), (38, 30851), (43, 30884), (45, 30914), (47, 30920), (50, 30944), (51, 30965), (60, 31016), (61, 31022), (63, 31040), (74, 31172), (80, 31238),

Gene: Tomas_58 Start: 33262, Stop: 34056, Start Num: 6

Candidate Starts for Tomas_58:

(Start: 6 @33262 has 71 MA's), (11, 33319), (15, 33352), (18, 33370), (19, 33373), (24, 33403), (25, 33427), (45, 33646), (47, 33652), (49, 33670), (51, 33697), (52, 33700), (54, 33718), (63, 33772), (67, 33862), (69, 33877), (71, 33892), (74, 33904), (81, 33982), (83, 34003),

Gene: Tribute_52 Start: 31184, Stop: 31984, Start Num: 5

Candidate Starts for Tribute_52:

(Start: 5 @31184 has 34 MA's), (Start: 6 @31190 has 71 MA's), (10, 31238), (13, 31268), (17, 31292), (20, 31307), (21, 31310), (25, 31355), (36, 31505), (45, 31574), (47, 31580), (48, 31592), (49, 31598), (53, 31640), (60, 31673), (71, 31817), (77, 31862),

Gene: TunaTartare_33 Start: 21752, Stop: 22591, Start Num: 6

Candidate Starts for TunaTartare_33:

(Start: 6 @21752 has 71 MA's), (9, 21779), (12, 21815), (13, 21824), (20, 21863), (24, 21887), (25, 21911), (41, 22094), (47, 22139), (61, 22277), (64, 22298), (70, 22409),

Gene: Wakanda_30 Start: 21292, Stop: 22119, Start Num: 6

Candidate Starts for Wakanda_30:

(Start: 6 @21292 has 71 MA's), (7, 21307), (8, 21313), (9, 21319), (11, 21343), (20, 21403), (24, 21427), (25, 21451), (29, 21508), (47, 21679), (51, 21724), (52, 21727), (56, 21772), (70, 21931), (75, 21952), (78, 21988), (83, 22051), (84, 22102),

Gene: Warpy_58 Start: 31942, Stop: 32742, Start Num: 5

Candidate Starts for Warpy_58:

(Start: 5 @31942 has 34 MA's), (16, 32044), (24, 32089), (25, 32113), (39, 32275), (40, 32293), (45, 32332), (47, 32338), (48, 32350), (49, 32356), (51, 32383), (53, 32398), (71, 32575),

Gene: Watermoore_54 Start: 32197, Stop: 32991, Start Num: 6

Candidate Starts for Watermoore_54:

(Start: 5 @32191 has 34 MA's), (Start: 6 @32197 has 71 MA's), (10, 32245), (13, 32275), (17, 32299), (20, 32314), (21, 32317), (25, 32362), (35, 32509), (36, 32512), (45, 32581), (47, 32587), (48, 32599), (49, 32605), (52, 32635), (53, 32647), (60, 32680), (71, 32824), (77, 32869),

Gene: Westy_34 Start: 21622, Stop: 22446, Start Num: 6

Candidate Starts for Westy_34:

(Start: 6 @21622 has 71 MA's), (21, 21736), (24, 21757), (25, 21781), (27, 21790), (47, 22009), (57, 22102), (69, 22252), (70, 22261), (78, 22318),

Gene: WhereRU_51 Start: 30439, Stop: 31239, Start Num: 5

Candidate Starts for WhereRU_51:

(Start: 5 @30439 has 34 MA's), (16, 30541), (24, 30586), (25, 30610), (33, 30706), (39, 30772), (45, 30829), (47, 30835), (48, 30847), (49, 30853), (51, 30880), (53, 30895), (60, 30928), (71, 31072),

Gene: Wipeout_54 Start: 31281, Stop: 32069, Start Num: 6

Candidate Starts for Wipeout_54:

(1, 31221), (Start: 6 @31281 has 71 MA's), (13, 31359), (18, 31389), (20, 31398), (24, 31422), (25, 31446), (30, 31512), (35, 31593), (38, 31602), (43, 31635), (45, 31665), (47, 31671), (50, 31695), (51, 31716), (60, 31767), (61, 31773), (63, 31791), (74, 31923), (80, 31989),

Gene: Wofford_55 Start: 31938, Stop: 32723, Start Num: 6

Candidate Starts for Wofford_55:

(1, 31878), (2, 31887), (3, 31896), (4, 31899), (Start: 6 @31938 has 71 MA's), (12, 32007), (18, 32046), (20, 32055), (21, 32058), (24, 32079), (25, 32103), (30, 32169), (32, 32196), (35, 32250), (45, 32322), (47, 32328), (49, 32346), (51, 32373), (55, 32403), (63, 32448), (69, 32553), (71, 32568), (78, 32619),

(79, 32625),

Gene: Yaboi_56 Start: 30890, Stop: 31678, Start Num: 6

Candidate Starts for Yaboi_56:

(1, 30830), (2, 30839), (Start: 6 @30890 has 71 MA's), (13, 30968), (15, 30980), (17, 30992), (18, 30998), (20, 31007), (24, 31031), (25, 31055), (28, 31097), (38, 31211), (39, 31217), (45, 31274), (47, 31280), (49, 31298), (51, 31325), (61, 31382), (63, 31400), (66, 31481), (69, 31505), (71, 31520), (74, 31532), (80, 31598),