



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 304794 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304794 has 138 members, 15 are drafts.

Phages represented in each track:

- Track 1 : BayC_13, Saletе_13, Maih_13
- Track 2 : TP1604_13, Asis_13, BabyGotBac_13
- Track 3 : YDN12_14
- Track 4 : Xkcd426_14
- Track 5 : RainyPolka_13
- Track 6 : Abt2graduatex2_13
- Track 7 : Mischief19_14
- Track 8 : Shrubaron_27, RobsFeet_28
- Track 9 : Ganandorf_26, Quhwah_30, Busephilis_26, Jefe_27, BrazzalePHS_26, Yeti_27, Jollipop_27, PiperSansNom_27, Hermeonysus_26, BeagleBug_26, Onika_26, Savannah_26, Pulchra_28, Selwyn23_28, Lucretia_27, PhedwardCullen_26, PierreOrion_27, Piperis_27, Antares_27, Scumberland_28, Shotgun_26, Germa_28, CrazyRich_26, Phorgeous_26, Honeyfin_28, Cranjis_28
- Track 10 : Paschalis_26, Rockwell_26, Ramiel05_26, Glorp_28, Kowalski_26
- Track 11 : LittleFortune_28
- Track 12 : Ariadne_35, Smarties_35
- Track 13 : ClearAsMud_29
- Track 14 : Skugga_25
- Track 15 : Jayden_28
- Track 16 : KaiHaiDragon_27, EarickHC_27, Phrancesco_27, Crisis_28
- Track 17 : Megan_21
- Track 18 : Gina_28, Teamocil_28
- Track 19 : Merry_, Sunny_
- Track 20 : NoodlelyBoi_27
- Track 21 : Nicole72_22
- Track 22 : SirFrank_26
- Track 23 : Fireman_27, Tyrumbra_25
- Track 24 : Metamorphoo_27
- Track 25 : Zapato_26
- Track 26 : Sillytadpoles_24, Statler_26, Phabia_25, Quammi_23, Zagie_25, Rowlf_21, Llemily_24, Zhafia_27, Wheelie_24, Casend_26, Jehoshaphat_27, Teehee_26, Nike_25, DonaldDuck_24, Viceroy_24, Squash_27, Lonelysoil_24, Wayne3_26, Rudy_23
- Track 27 : StrawberryJamm_27, Kyva_27, Grassboy_26, Namago_25, SallyK_26
- Track 28 : KillerQueen_25, CandC_23, Tempo_24, Kelcole_23, RobinRose_26, Romm_26, Fregley_25
- Track 29 : Gazebo_24, Mentos_29, Mashley_23, Hyperion_24, Tissue_25

- Track 30 : MorillMayhem_25, BabyDotz_24, BaconCheese_28, Mila11_28
- Track 31 : Fizzles_25
- Track 32 : FrankDeliGuy_22, Judebell_27
- Track 33 : BirdInFrench_24, Wilca_24
- Track 34 : SlySloth_27
- Track 35 : Pepe25_23
- Track 36 : OneinaGillian_24
- Track 37 : RubyRalph_27, Fransoyer_27
- Track 38 : Phinky_31
- Track 39 : Altheas_27
- Track 40 : Marcie_29
- Track 41 : Blab_23
- Track 42 : AluminumJesus_23
- Track 43 : EverythinBagel_24
- Track 44 : WheelerS25_30
- Track 45 : SadLad_29
- Track 46 : Terij_23
- Track 47 : Cressida_24
- Track 48 : Cinna_22, Matzah_23
- Track 49 : Kozie_23
- Track 50 : MementoMori_23
- Track 51 : Margaery_22
- Track 52 : Rasputia_56
- Track 53 : Hendrix_57
- Track 54 : Dewdrop_60, Leaf_60
- Track 55 : MisoSoup_18
- Track 56 : FuzzBuster_31
- Track 57 : TurkishDelight_17

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

The start number called the most often in the published annotations is 17, it was called in 53 of the 123 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antares_27, Ariadne_35, BeagleBug_26, BrazzalePHS_26, Busephilis_26, Cinna_22, ClearAsMud_29, Cranjjs_28, CrazyRich_26, Cressida_24, Crisis_28, EarickHC_27, Fireman_27, Ganandorf_26, Germa_28, Gina_28, Glorp_28, Hermeonysus_26, Honeyfin_28, Jayden_28, Jefe_27, Jollipop_27, KaiHaiDragon_27, Kowalski_26, Kozie_23, LittleFortune_28, Lucretia_27, Margaery_22, Matzah_23, Megan_21, MementoMori_23, Metamorphoo_27, MisoSoup_18, Nicole72_22, NoodlelyBoi_27, Onika_26, Paschalis_26, PhedwardCullen_26, Phorgeous_26, Phrancesco_27, PierreOrion_27, PiperSansNom_27, Piperis_27, Pulchra_28, Quhwah_30, Ramiel05_26, RobsFeet_28, Rockwell_26, Savannah_26, Scumberland_28, Selwyn23_28, Shotgun_26, Shrubaron_27, SirFrank_26, Skugga_25, Smarties_35, Teamocil_28, Terij_23, Tyumbra_25, Yeti_27, Zapato_26,

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

- FuzzBuster_31, Merry_, Sunny_

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

- Abt2graduatex2_13, Altheas_27, AluminumJesus_23, Asis_13, BabyDotz_24, BabyGotBac_13, BaconCheese_28, BayC_13, BirdInFrench_24, Blab_23, CandC_23, Casend_26, Dewdrop_60, DonaldDuck_24, EverythinBagel_24, Fizzles_25, FrankDeliGuy_22, Fransoyer_27, Fregley_25, Gazebo_24, Grassboy_26, Hendrix_57, Hyperion_24, Jehoshaphat_27, Judebell_27, Kelcole_23, KillerQueen_25, Kyva_27, Leaf_60, Llemily_24, Lonelysoil_24, Maih_13, Marcie_29, Mashley_23, Mentos_29, Mila11_28, Mischief19_14, MorillMayhem_25, Namago_25, Nike_25, OneinaGillian_24, Pepe25_23, Phabia_25, Phinky_31, Quammi_23, RainyPolka_13, Rasputia_56, RobinRose_26, Romm_26, Rowlf_21, RubyRalph_27, Rudy_23, SadLad_29, Salete_13, SallyK_26, Sillytadpoles_24, SlySloth_27, Squash_27, Statler_26, StrawberryJamm_27, TP1604_13, Teehee_26, Tempo_24, Tissue_25, TurkishDelight_17, Viceroy_24, Wayne3_26, WheelerS25_30, Wheelie_24, Wilca_24, Xkcd426_14, YDN12_14, Zagie_25, Zhafia_27,

Summary by start number:

Start 8:

- Found in 1 of 138 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 123
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FuzzBuster_31 (GM),

Start 14:

- Found in 2 of 138 (1.4%) of genes in pham
- Manual Annotations of this start: 2 of 123
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Merry_ (EC), Sunny_ (EC),

Start 16:

- Found in 4 of 138 (2.9%) of genes in pham
- Manual Annotations of this start: 4 of 123
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dewdrop_60 (GC), Hendrix_57 (GC), Leaf_60 (GC), Rasputia_56 (GC),

Start 17:

- Found in 64 of 138 (46.4%) of genes in pham
- Manual Annotations of this start: 53 of 123
- Called 95.3% of time when present
- Phage (with cluster) where this start called: Antares_27 (EC), Ariadne_35 (EC), BeagleBug_26 (EC), BrazzalePHS_26 (EC), Busephilis_26 (EC), Cinna_22 (EI), ClearAsMud_29 (EC), Cranjis_28 (EC), CrazyRich_26 (EC), Cressida_24 (EI), Crisis_28 (EC), EarickHC_27 (EC), Fireman_27 (EC), Ganandorf_26 (EC), Germa_28 (EC), Gina_28 (EC), Glorp_28 (EC), Hermeonysus_26 (EC), Honeyfin_28 (EC), Jayden_28 (EC), Jefe_27 (EC), Jollipop_27 (EC), KaiHaiDragon_27 (EC), Kowalski_26 (EC), Kozi_23 (EI), LittleFortune_28 (EC), Lucretia_27 (EC), Margaery_22 (EI), Matzah_23 (EI), Megan_21 (EC), MementoMori_23 (EI), Metamorphoo_27 (EC), MisoSoup_18 (GM), Nicole72_22 (EC), NoodlelyBoi_27 (EC), Onika_26 (EC), Paschalis_26 (EC), PhedwardCullen_26 (EC), Phorgeous_26 (EC), Phrancesco_27 (EC), PierreOrion_27 (EC), PiperSansNom_27 (EC), Piperis_27 (EC), Pulchra_28 (EC), Quhwah_30 (EC), Ramiel05_26 (EC), RobsFeet_28 (EC), Rockwell_26 (EC), Savannah_26 (EC), Scumberland_28 (EC), Selwyn23_28 (EC),

Shotgun_26 (EC), Shrubaron_27 (EC), SirFrank_26 (EC), Skugga_25 (EC), Smarties_35 (EC), Teamocil_28 (EC), Terij_23 (EI), Tyrumbra_25 (EC), Yeti_27 (EC), Zapato_26 (EC),

Start 22:

- Found in 12 of 138 (8.7%) of genes in pham
- Manual Annotations of this start: 11 of 123
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_24 (EG), CandC_23 (EG), Fregley_25 (EG), Kelcole_23 (EG), KillerQueen_25 (EG), Marcie_29 (EG), OneinaGillian_24 (EG), Pepe25_23 (EG), RobinRose_26 (EG), Romm_26 (EG), Tempo_24 (EG), Wilca_24 (EG),

Start 23:

- Found in 5 of 138 (3.6%) of genes in pham
- Manual Annotations of this start: 4 of 123
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_27 (EG), Fransoyer_27 (EG), Phinky_31 (EG), RubyRalph_27 (EG), SadLad_29 (EG),

Start 24:

- Found in 41 of 138 (29.7%) of genes in pham
- Manual Annotations of this start: 36 of 123
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AluminumJesus_23 (EG), BabyDotz_24 (EG), BaconCheese_28 (EG), Blab_23 (EG), Casend_26 (EG), DonaldDuck_24 (EG), EverythinBagel_24 (EG), Fizzles_25 (EG), FrankDeliGuy_22 (EG), Gazebo_24 (EG), Grassboy_26 (EG), Hyperion_24 (EG), Jehoshaphat_27 (EG), Judebell_27 (EG), Kyva_27 (EG), Llemily_24 (EG), Lonelysoil_24 (EG), Mashley_23 (EG), Mentos_29 (EG), Mila11_28 (EG), MorillMayhem_25 (EG), Namago_25 (EG), Nike_25 (EG), Phabia_25 (EG), Quammi_23 (EG), Rowlf_21 (EG), Rudy_23 (EG), SallyK_26 (EG), Sillytadpoles_24 (EG), SlySloth_27 (EG), Squash_27 (EG), Statler_26 (EG), StrawberryJamm_27 (EG), Teehee_26 (EG), Tissue_25 (EG), Viceroy_24 (EG), Wayne3_26 (EG), WheelerS25_30 (EG), Wheelie_24 (EG), Zagie_25 (EG), Zhafia_27 (EG),

Start 25:

- Found in 12 of 138 (8.7%) of genes in pham
- Manual Annotations of this start: 12 of 123
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_13 (BG), Asis_13 (BG), BabyGotBac_13 (BG), BayC_13 (BG), Maih_13 (BG), Mischief19_14 (BG), RainyPolka_13 (BG), Salete_13 (BG), TP1604_13 (BG), TurkishDelight_17 (singleton), Xkcd426_14 (BG), YDN12_14 (BG),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, BG, EI, EG, EC, GC, GM,

Info for manual annotations of cluster BG:

- Start number 25 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster EC:

- Start number 14 was manually annotated 2 times for cluster EC.
- Start number 17 was manually annotated 46 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 22 was manually annotated 11 times for cluster EG.
- Start number 23 was manually annotated 4 times for cluster EG.
- Start number 24 was manually annotated 36 times for cluster EG.

Info for manual annotations of cluster EI:

- Start number 17 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster GC:

- Start number 16 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster GM:

- Start number 8 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: Abt2graduatex2_13 Start: 13868, Stop: 15571, Start Num: 25

Candidate Starts for Abt2graduatex2_13:

(Start: 25 @13868 has 12 MA's), (27, 13877), (32, 13964), (45, 14111), (46, 14135), (63, 14318), (70, 14372), (73, 14402), (80, 14432), (81, 14435), (90, 14483), (95, 14519), (102, 14564), (104, 14606), (108, 14675), (137, 14855), (146, 14933), (147, 14936), (166, 15086), (168, 15128), (177, 15188), (181, 15209), (191, 15341), (199, 15398), (203, 15419), (205, 15461), (207, 15467), (222, 15542),

Gene: Altheas_27 Start: 14496, Stop: 16319, Start Num: 23

Candidate Starts for Altheas_27:

(Start: 23 @14496 has 4 MA's), (28, 14508), (30, 14568), (34, 14607), (75, 15129), (91, 15204), (97, 15252), (100, 15276), (102, 15282), (110, 15399), (120, 15498), (135, 15579), (148, 15672), (149, 15687), (154, 15735), (159, 15759), (162, 15792), (165, 15807), (167, 15831), (171, 15879), (179, 15921), (189, 16056), (190, 16068), (191, 16077), (200, 16137), (215, 16239),

Gene: AluminumJesus_23 Start: 13874, Stop: 15679, Start Num: 24

Candidate Starts for AluminumJesus_23:

(Start: 24 @13874 has 36 MA's), (28, 13883), (34, 13982), (59, 14288), (75, 14489), (79, 14504), (91, 14564), (97, 14612), (102, 14642), (109, 14756), (110, 14759), (111, 14765), (120, 14858), (135, 14939), (148, 15032), (149, 15047), (154, 15095), (159, 15119), (165, 15167), (167, 15191), (171, 15239), (179, 15281), (189, 15416), (190, 15428), (191, 15437), (200, 15497), (207, 15566), (215, 15599),

Gene: Antares_27 Start: 14003, Stop: 15859, Start Num: 17

Candidate Starts for Antares_27:

(Start: 17 @14003 has 53 MA's), (64, 14579), (69, 14624), (73, 14660), (85, 14729), (91, 14750), (92, 14753), (95, 14783), (106, 14903), (115, 14984), (131, 15098), (133, 15125), (157, 15314), (170, 15440), (185, 15554), (186, 15569), (192, 15617), (195, 15647), (197, 15659), (200, 15674), (202, 15689), (206, 15740), (210, 15758), (214, 15776),

Gene: Ariadne_35 Start: 15581, Stop: 17596, Start Num: 17

Candidate Starts for Ariadne_35:

(Start: 17 @15581 has 53 MA's), (64, 16160), (69, 16205), (73, 16241), (77, 16265), (85, 16310), (91, 16331), (93, 16349), (106, 16484), (129, 16814), (130, 16817), (133, 16874), (134, 16898), (152, 17036), (157, 17063), (169, 17174), (185, 17303), (186, 17318), (187, 17327), (190, 17354), (192, 17366), (195, 17396), (200, 17423), (210, 17507), (214, 17525),

Gene: Asis_13 Start: 13751, Stop: 15445, Start Num: 25

Candidate Starts for Asis_13:

(Start: 25 @13751 has 12 MA's), (27, 13760), (33, 13862), (45, 13994), (46, 14018), (52, 14114), (63, 14195), (68, 14240), (70, 14249), (74, 14282), (80, 14309), (81, 14312), (90, 14360), (94, 14393), (95, 14396), (100, 14435), (102, 14441), (106, 14519), (108, 14552), (119, 14642), (134, 14717), (137, 14732), (144, 14798), (146, 14810), (147, 14813), (161, 14930), (166, 14963), (168, 15005), (183, 15122), (191, 15218), (199, 15275), (203, 15296), (205, 15338), (207, 15344), (214, 15377), (217, 15401), (222, 15419), (224, 15434),

Gene: BabyDotz_24 Start: 14116, Stop: 15948, Start Num: 24

Candidate Starts for BabyDotz_24:

(Start: 24 @14116 has 36 MA's), (28, 14125), (34, 14224), (61, 14590), (75, 14758), (79, 14773), (91, 14833), (97, 14881), (98, 14887), (102, 14911), (109, 15025), (110, 15028), (111, 15034), (120, 15127), (135, 15208), (148, 15301), (149, 15316), (154, 15364), (159, 15388), (165, 15436), (167, 15460), (171, 15508), (179, 15550), (189, 15685), (190, 15697), (191, 15706), (200, 15766), (207, 15835), (215, 15868),

Gene: BabyGotBac_13 Start: 13751, Stop: 15445, Start Num: 25

Candidate Starts for BabyGotBac_13:

(Start: 25 @13751 has 12 MA's), (27, 13760), (33, 13862), (45, 13994), (46, 14018), (52, 14114), (63, 14195), (68, 14240), (70, 14249), (74, 14282), (80, 14309), (81, 14312), (90, 14360), (94, 14393), (95, 14396), (100, 14435), (102, 14441), (106, 14519), (108, 14552), (119, 14642), (134, 14717), (137, 14732), (144, 14798), (146, 14810), (147, 14813), (161, 14930), (166, 14963), (168, 15005), (183, 15122), (191, 15218), (199, 15275), (203, 15296), (205, 15338), (207, 15344), (214, 15377), (217, 15401), (222, 15419), (224, 15434),

Gene: BaconCheese_28 Start: 15365, Stop: 17197, Start Num: 24

Candidate Starts for BaconCheese_28:

(Start: 24 @15365 has 36 MA's), (28, 15374), (34, 15473), (61, 15839), (75, 16007), (79, 16022), (91, 16082), (97, 16130), (98, 16136), (102, 16160), (109, 16274), (110, 16277), (111, 16283), (120, 16376), (135, 16457), (148, 16550), (149, 16565), (154, 16613), (159, 16637), (165, 16685), (167, 16709), (171, 16757), (179, 16799), (189, 16934), (190, 16946), (191, 16955), (200, 17015), (207, 17084), (215, 17117),

Gene: BayC_13 Start: 13751, Stop: 15445, Start Num: 25

Candidate Starts for BayC_13:

(Start: 25 @13751 has 12 MA's), (27, 13760), (33, 13862), (45, 13994), (46, 14018), (52, 14114), (63, 14195), (68, 14240), (70, 14249), (74, 14282), (80, 14309), (81, 14312), (90, 14360), (94, 14393), (95, 14396), (100, 14435), (102, 14441), (106, 14519), (108, 14552), (119, 14642), (137, 14732), (144, 14798), (146, 14810), (147, 14813), (161, 14930), (166, 14963), (168, 15005), (183, 15122), (191, 15218), (199, 15275), (205, 15338), (207, 15344), (214, 15377), (217, 15401), (222, 15419), (224, 15434),

Gene: BeagleBug_26 Start: 13781, Stop: 15640, Start Num: 17

Candidate Starts for BeagleBug_26:

(Start: 17 @13781 has 53 MA's), (64, 14360), (69, 14405), (73, 14441), (85, 14510), (91, 14531), (92, 14534), (95, 14564), (106, 14684), (115, 14765), (131, 14879), (133, 14906), (157, 15095), (170, 15221), (185, 15335), (186, 15350), (192, 15398), (195, 15428), (197, 15440), (200, 15455), (202,

15470), (206, 15521), (210, 15539), (214, 15557),

Gene: BirdInFrench_24 Start: 12993, Stop: 14771, Start Num: 22

Candidate Starts for BirdInFrench_24:

(Start: 22 @12993 has 11 MA's), (28, 13005), (50, 13350), (62, 13464), (78, 13590), (91, 13656), (97, 13704), (102, 13734), (120, 13947), (135, 14028), (137, 14037), (146, 14115), (148, 14121), (149, 14136), (167, 14280), (170, 14322), (179, 14373), (190, 14520), (191, 14529), (211, 14679), (215, 14691), (223, 14751),

Gene: Blab_23 Start: 13751, Stop: 15577, Start Num: 24

Candidate Starts for Blab_23:

(Start: 24 @13751 has 36 MA's), (28, 13760), (34, 13859), (59, 14186), (75, 14387), (79, 14402), (91, 14462), (97, 14510), (102, 14540), (109, 14654), (110, 14657), (111, 14663), (120, 14756), (135, 14837), (148, 14930), (149, 14945), (154, 14993), (159, 15017), (165, 15065), (167, 15089), (171, 15137), (179, 15179), (189, 15314), (191, 15335), (200, 15395), (207, 15464), (215, 15497),

Gene: BrazzalePHS_26 Start: 13795, Stop: 15654, Start Num: 17

Candidate Starts for BrazzalePHS_26:

(Start: 17 @13795 has 53 MA's), (64, 14374), (69, 14419), (73, 14455), (85, 14524), (91, 14545), (92, 14548), (95, 14578), (106, 14698), (115, 14779), (131, 14893), (133, 14920), (157, 15109), (170, 15235), (185, 15349), (186, 15364), (192, 15412), (195, 15442), (197, 15454), (200, 15469), (202, 15484), (206, 15535), (210, 15553), (214, 15571),

Gene: Busephilis_26 Start: 13734, Stop: 15590, Start Num: 17

Candidate Starts for Busephilis_26:

(Start: 17 @13734 has 53 MA's), (64, 14310), (69, 14355), (73, 14391), (85, 14460), (91, 14481), (92, 14484), (95, 14514), (106, 14634), (115, 14715), (131, 14829), (133, 14856), (157, 15045), (170, 15171), (185, 15285), (186, 15300), (192, 15348), (195, 15378), (197, 15390), (200, 15405), (202, 15420), (206, 15471), (210, 15489), (214, 15507),

Gene: CandC_23 Start: 12598, Stop: 14376, Start Num: 22

Candidate Starts for CandC_23:

(Start: 22 @12598 has 11 MA's), (28, 12610), (50, 12952), (62, 13069), (78, 13195), (97, 13309), (102, 13339), (120, 13552), (135, 13633), (137, 13642), (146, 13720), (148, 13726), (149, 13741), (167, 13885), (170, 13927), (179, 13978), (190, 14125), (191, 14134), (211, 14284), (215, 14296),

Gene: Casend_26 Start: 14462, Stop: 16294, Start Num: 24

Candidate Starts for Casend_26:

(Start: 24 @14462 has 36 MA's), (28, 14471), (34, 14570), (61, 14936), (75, 15104), (79, 15119), (91, 15179), (97, 15227), (98, 15233), (102, 15257), (110, 15374), (111, 15380), (120, 15473), (135, 15554), (148, 15647), (149, 15662), (154, 15710), (159, 15734), (165, 15782), (167, 15806), (171, 15854), (179, 15896), (189, 16031), (190, 16043), (191, 16052), (200, 16112), (207, 16181), (215, 16214),

Gene: Cinna_22 Start: 13276, Stop: 15141, Start Num: 17

Candidate Starts for Cinna_22:

(Start: 17 @13276 has 53 MA's), (47, 13630), (54, 13756), (67, 13894), (73, 13936), (88, 14017), (91, 14026), (99, 14083), (101, 14095), (112, 14227), (114, 14248), (115, 14254), (131, 14368), (140, 14467), (141, 14485), (157, 14584), (160, 14599), (164, 14641), (169, 14695), (170, 14710), (177, 14752), (180, 14767), (182, 14779), (185, 14824), (190, 14887), (193, 14920),

Gene: ClearAsMud_29 Start: 14527, Stop: 16377, Start Num: 17

Candidate Starts for ClearAsMud_29:

(Start: 17 @14527 has 53 MA's), (64, 15103), (69, 15148), (73, 15184), (85, 15253), (91, 15274), (92, 15277), (95, 15307), (106, 15427), (133, 15649), (138, 15694), (157, 15838), (175, 15994), (185, 16078), (192, 16141), (195, 16171), (197, 16183), (200, 16198), (202, 16213), (206, 16264), (210, 16282),

Gene: Cranjjs_28 Start: 13958, Stop: 15814, Start Num: 17

Candidate Starts for Cranjjs_28:

(Start: 17 @13958 has 53 MA's), (64, 14534), (69, 14579), (73, 14615), (85, 14684), (91, 14705), (92, 14708), (95, 14738), (106, 14858), (115, 14939), (131, 15053), (133, 15080), (157, 15269), (170, 15395), (185, 15509), (186, 15524), (192, 15572), (195, 15602), (197, 15614), (200, 15629), (202, 15644), (206, 15695), (210, 15713), (214, 15731),

Gene: CrazyRich_26 Start: 13768, Stop: 15624, Start Num: 17

Candidate Starts for CrazyRich_26:

(Start: 17 @13768 has 53 MA's), (64, 14344), (69, 14389), (73, 14425), (85, 14494), (91, 14515), (92, 14518), (95, 14548), (106, 14668), (115, 14749), (131, 14863), (133, 14890), (157, 15079), (170, 15205), (185, 15319), (186, 15334), (192, 15382), (195, 15412), (197, 15424), (200, 15439), (202, 15454), (206, 15505), (210, 15523), (214, 15541),

Gene: Cressida_24 Start: 13311, Stop: 15185, Start Num: 17

Candidate Starts for Cressida_24:

(Start: 17 @13311 has 53 MA's), (54, 13797), (60, 13836), (67, 13935), (73, 13977), (88, 14058), (91, 14067), (99, 14124), (101, 14136), (112, 14268), (114, 14289), (115, 14295), (131, 14409), (140, 14508), (141, 14526), (157, 14625), (160, 14640), (164, 14682), (169, 14736), (170, 14751), (177, 14793), (180, 14808), (182, 14820), (185, 14865), (190, 14928), (195, 14970), (201, 15009), (202, 15012), (214, 15099),

Gene: Crisis_28 Start: 13753, Stop: 15609, Start Num: 17

Candidate Starts for Crisis_28:

(Start: 17 @13753 has 53 MA's), (64, 14329), (69, 14374), (73, 14410), (85, 14479), (91, 14500), (92, 14503), (95, 14533), (106, 14653), (115, 14734), (131, 14848), (133, 14875), (157, 15064), (170, 15190), (174, 15214), (185, 15304), (186, 15319), (192, 15367), (195, 15397), (197, 15409), (200, 15424), (202, 15439), (206, 15490), (210, 15508), (214, 15526),

Gene: Dewdrop_60 Start: 29654, Stop: 31561, Start Num: 16

Candidate Starts for Dewdrop_60:

(1, 29438), (4, 29510), (6, 29543), (7, 29546), (Start: 16 @29654 has 4 MA's), (45, 29993), (55, 30131), (59, 30161), (66, 30269), (71, 30314), (122, 30755), (147, 30929), (151, 30959), (152, 30971), (157, 30998), (164, 31055), (167, 31082), (169, 31109), (173, 31136), (176, 31160), (182, 31202), (183, 31232), (185, 31247), (201, 31391), (212, 31475), (219, 31517),

Gene: DonaldDuck_24 Start: 13808, Stop: 15640, Start Num: 24

Candidate Starts for DonaldDuck_24:

(Start: 24 @13808 has 36 MA's), (28, 13817), (34, 13916), (61, 14282), (75, 14450), (79, 14465), (91, 14525), (97, 14573), (98, 14579), (102, 14603), (110, 14720), (111, 14726), (120, 14819), (135, 14900), (148, 14993), (149, 15008), (154, 15056), (159, 15080), (165, 15128), (167, 15152), (171, 15200), (179, 15242), (189, 15377), (190, 15389), (191, 15398), (200, 15458), (207, 15527), (215, 15560),

Gene: EarickHC_27 Start: 13679, Stop: 15535, Start Num: 17

Candidate Starts for EarickHC_27:

(Start: 17 @13679 has 53 MA's), (64, 14255), (69, 14300), (73, 14336), (85, 14405), (91, 14426), (92, 14429), (95, 14459), (106, 14579), (115, 14660), (131, 14774), (133, 14801), (157, 14990), (170,

15116), (174, 15140), (185, 15230), (186, 15245), (192, 15293), (195, 15323), (197, 15335), (200, 15350), (202, 15365), (206, 15416), (210, 15434), (214, 15452),

Gene: EverythinBagel_24 Start: 14211, Stop: 16028, Start Num: 24

Candidate Starts for EverythinBagel_24:

(Start: 24 @14211 has 36 MA's), (28, 14220), (34, 14319), (59, 14637), (75, 14838), (79, 14853), (91, 14913), (97, 14961), (102, 14991), (109, 15105), (110, 15108), (111, 15114), (116, 15168), (120, 15207), (135, 15288), (148, 15381), (149, 15396), (154, 15444), (159, 15468), (165, 15516), (167, 15540), (171, 15588), (179, 15630), (189, 15765), (191, 15786), (197, 15831), (200, 15846), (207, 15915), (215, 15948),

Gene: Fireman_27 Start: 13483, Stop: 15504, Start Num: 17

Candidate Starts for Fireman_27:

(Start: 17 @13483 has 53 MA's), (64, 14068), (73, 14149), (77, 14173), (85, 14218), (91, 14239), (106, 14392), (127, 14650), (129, 14722), (133, 14782), (134, 14806), (152, 14944), (156, 14968), (157, 14971), (169, 15082), (185, 15211), (186, 15226), (187, 15235), (190, 15262), (192, 15274), (195, 15304), (200, 15331), (214, 15433),

Gene: Fizzles_25 Start: 13768, Stop: 15600, Start Num: 24

Candidate Starts for Fizzles_25:

(Start: 24 @13768 has 36 MA's), (26, 13774), (28, 13777), (39, 13915), (75, 14410), (83, 14449), (86, 14470), (97, 14533), (100, 14557), (102, 14563), (110, 14680), (120, 14779), (132, 14821), (135, 14860), (148, 14953), (149, 14968), (154, 15016), (158, 15031), (165, 15088), (167, 15112), (171, 15160), (177, 15196), (180, 15211), (189, 15337), (190, 15349), (191, 15358), (215, 15520),

Gene: FrankDeliGuy_22 Start: 13770, Stop: 15602, Start Num: 24

Candidate Starts for FrankDeliGuy_22:

(Start: 24 @13770 has 36 MA's), (28, 13779), (34, 13878), (61, 14244), (75, 14412), (79, 14427), (91, 14487), (97, 14535), (98, 14541), (102, 14565), (109, 14679), (110, 14682), (111, 14688), (120, 14781), (135, 14862), (148, 14955), (149, 14970), (154, 15018), (159, 15042), (165, 15090), (167, 15114), (171, 15162), (179, 15204), (189, 15339), (191, 15360), (200, 15420), (207, 15489), (215, 15522),

Gene: Fransoyer_27 Start: 13833, Stop: 15662, Start Num: 23

Candidate Starts for Fransoyer_27:

(Start: 23 @13833 has 4 MA's), (28, 13845), (37, 13974), (50, 14202), (51, 14220), (66, 14379), (75, 14463), (91, 14541), (97, 14589), (102, 14619), (109, 14733), (120, 14835), (132, 14877), (135, 14916), (137, 14925), (148, 15009), (149, 15024), (165, 15144), (167, 15168), (170, 15210), (171, 15216), (179, 15258), (189, 15393), (191, 15414), (193, 15438), (196, 15456), (200, 15474), (215, 15576),

Gene: Fregley_25 Start: 13171, Stop: 14949, Start Num: 22

Candidate Starts for Fregley_25:

(Start: 22 @13171 has 11 MA's), (28, 13183), (50, 13525), (62, 13642), (78, 13768), (97, 13882), (102, 13912), (120, 14125), (135, 14206), (137, 14215), (146, 14293), (148, 14299), (149, 14314), (167, 14458), (170, 14500), (179, 14551), (190, 14698), (191, 14707), (211, 14857), (215, 14869),

Gene: FuzzBuster_31 Start: 13864, Stop: 15825, Start Num: 8

Candidate Starts for FuzzBuster_31:

(Start: 8 @13864 has 1 MA's), (12, 13891), (Start: 17 @13975 has 53 MA's), (19, 14026), (45, 14296), (66, 14533), (96, 14728), (105, 14842), (136, 15121), (139, 15148), (141, 15175), (145, 15199), (149, 15223), (152, 15247), (153, 15250), (155, 15268), (161, 15307), (169, 15385), (198, 15637), (201, 15658), (216, 15769), (218, 15778),

Gene: Ganandorf_26 Start: 13815, Stop: 15671, Start Num: 17

Candidate Starts for Ganandorf_26:

(Start: 17 @13815 has 53 MA's), (64, 14391), (69, 14436), (73, 14472), (85, 14541), (91, 14562), (92, 14565), (95, 14595), (106, 14715), (115, 14796), (131, 14910), (133, 14937), (157, 15126), (170, 15252), (185, 15366), (186, 15381), (192, 15429), (195, 15459), (197, 15471), (200, 15486), (202, 15501), (206, 15552), (210, 15570), (214, 15588),

Gene: Gazebo_24 Start: 14317, Stop: 16143, Start Num: 24

Candidate Starts for Gazebo_24:

(Start: 24 @14317 has 36 MA's), (28, 14326), (34, 14425), (59, 14752), (75, 14953), (79, 14968), (91, 15028), (97, 15076), (102, 15106), (110, 15223), (111, 15229), (120, 15322), (135, 15403), (148, 15496), (149, 15511), (154, 15559), (159, 15583), (165, 15631), (167, 15655), (171, 15703), (179, 15745), (189, 15880), (191, 15901), (200, 15961), (207, 16030), (215, 16063),

Gene: Germa_28 Start: 13644, Stop: 15500, Start Num: 17

Candidate Starts for Germa_28:

(Start: 17 @13644 has 53 MA's), (64, 14220), (69, 14265), (73, 14301), (85, 14370), (91, 14391), (92, 14394), (95, 14424), (106, 14544), (115, 14625), (131, 14739), (133, 14766), (157, 14955), (170, 15081), (185, 15195), (186, 15210), (192, 15258), (195, 15288), (197, 15300), (200, 15315), (202, 15330), (206, 15381), (210, 15399), (214, 15417),

Gene: Gina_28 Start: 13149, Stop: 15167, Start Num: 17

Candidate Starts for Gina_28:

(Start: 17 @13149 has 53 MA's), (53, 13617), (64, 13731), (67, 13770), (73, 13812), (77, 13836), (85, 13881), (91, 13902), (92, 13905), (93, 13920), (100, 13974), (106, 14055), (113, 14115), (123, 14259), (125, 14277), (133, 14445), (134, 14469), (152, 14607), (157, 14634), (169, 14745), (185, 14874), (186, 14889), (190, 14925), (192, 14937), (195, 14967), (200, 14994), (214, 15096),

Gene: Glorp_28 Start: 13816, Stop: 15672, Start Num: 17

Candidate Starts for Glorp_28:

(Start: 17 @13816 has 53 MA's), (64, 14392), (69, 14437), (73, 14473), (85, 14542), (91, 14563), (92, 14566), (95, 14596), (106, 14716), (115, 14797), (131, 14911), (133, 14938), (157, 15127), (185, 15367), (186, 15382), (192, 15430), (195, 15460), (197, 15472), (200, 15487), (202, 15502), (206, 15553), (210, 15571), (214, 15589),

Gene: Grassboy_26 Start: 14484, Stop: 16316, Start Num: 24

Candidate Starts for Grassboy_26:

(Start: 24 @14484 has 36 MA's), (28, 14493), (34, 14592), (59, 14925), (75, 15126), (79, 15141), (91, 15201), (97, 15249), (102, 15279), (110, 15396), (111, 15402), (120, 15495), (135, 15576), (148, 15669), (149, 15684), (154, 15732), (159, 15756), (165, 15804), (167, 15828), (171, 15876), (179, 15918), (189, 16053), (191, 16074), (197, 16119), (200, 16134), (207, 16203), (215, 16236),

Gene: Hendrix_57 Start: 29698, Stop: 31632, Start Num: 16

Candidate Starts for Hendrix_57:

(Start: 16 @29698 has 4 MA's), (38, 29935), (59, 30232), (66, 30343), (92, 30505), (104, 30619), (151, 31033), (152, 31045), (157, 31072), (164, 31129), (167, 31156), (169, 31183), (170, 31198), (180, 31264), (219, 31591),

Gene: Hermeonysus_26 Start: 13684, Stop: 15543, Start Num: 17

Candidate Starts for Hermeonysus_26:

(Start: 17 @13684 has 53 MA's), (64, 14263), (69, 14308), (73, 14344), (85, 14413), (91, 14434), (92, 14437), (95, 14467), (106, 14587), (115, 14668), (131, 14782), (133, 14809), (157, 14998), (170,

15124), (185, 15238), (186, 15253), (192, 15301), (195, 15331), (197, 15343), (200, 15358), (202, 15373), (206, 15424), (210, 15442), (214, 15460),

Gene: Honeyfin_28 Start: 14000, Stop: 15859, Start Num: 17

Candidate Starts for Honeyfin_28:

(Start: 17 @14000 has 53 MA's), (64, 14579), (69, 14624), (73, 14660), (85, 14729), (91, 14750), (92, 14753), (95, 14783), (106, 14903), (115, 14984), (131, 15098), (133, 15125), (157, 15314), (170, 15440), (185, 15554), (186, 15569), (192, 15617), (195, 15647), (197, 15659), (200, 15674), (202, 15689), (206, 15740), (210, 15758), (214, 15776),

Gene: Hyperion_24 Start: 14277, Stop: 16103, Start Num: 24

Candidate Starts for Hyperion_24:

(Start: 24 @14277 has 36 MA's), (28, 14286), (34, 14385), (59, 14712), (75, 14913), (79, 14928), (91, 14988), (97, 15036), (102, 15066), (110, 15183), (111, 15189), (120, 15282), (135, 15363), (148, 15456), (149, 15471), (154, 15519), (159, 15543), (165, 15591), (167, 15615), (171, 15663), (179, 15705), (189, 15840), (191, 15861), (200, 15921), (207, 15990), (215, 16023),

Gene: Jayden_28 Start: 13519, Stop: 15375, Start Num: 17

Candidate Starts for Jayden_28:

(Start: 17 @13519 has 53 MA's), (34, 13699), (64, 14092), (67, 14131), (69, 14137), (73, 14173), (85, 14242), (91, 14263), (92, 14266), (106, 14416), (133, 14638), (134, 14662), (152, 14800), (157, 14827), (169, 14938), (170, 14953), (185, 15067), (186, 15082), (187, 15091), (190, 15118), (192, 15130), (194, 15157), (195, 15160), (202, 15202),

Gene: Jefe_27 Start: 13737, Stop: 15596, Start Num: 17

Candidate Starts for Jefe_27:

(Start: 17 @13737 has 53 MA's), (64, 14316), (69, 14361), (73, 14397), (85, 14466), (91, 14487), (92, 14490), (95, 14520), (106, 14640), (115, 14721), (131, 14835), (133, 14862), (157, 15051), (170, 15177), (185, 15291), (186, 15306), (192, 15354), (195, 15384), (197, 15396), (200, 15411), (202, 15426), (206, 15477), (210, 15495), (214, 15513),

Gene: Jehoshaphat_27 Start: 14727, Stop: 16559, Start Num: 24

Candidate Starts for Jehoshaphat_27:

(Start: 24 @14727 has 36 MA's), (28, 14736), (34, 14835), (61, 15201), (75, 15369), (79, 15384), (91, 15444), (97, 15492), (98, 15498), (102, 15522), (110, 15639), (111, 15645), (120, 15738), (135, 15819), (148, 15912), (149, 15927), (154, 15975), (159, 15999), (165, 16047), (167, 16071), (171, 16119), (179, 16161), (189, 16296), (190, 16308), (191, 16317), (200, 16377), (207, 16446), (215, 16479),

Gene: Jollipop_27 Start: 14085, Stop: 15941, Start Num: 17

Candidate Starts for Jollipop_27:

(Start: 17 @14085 has 53 MA's), (64, 14661), (69, 14706), (73, 14742), (85, 14811), (91, 14832), (92, 14835), (95, 14865), (106, 14985), (115, 15066), (131, 15180), (133, 15207), (157, 15396), (170, 15522), (185, 15636), (186, 15651), (192, 15699), (195, 15729), (197, 15741), (200, 15756), (202, 15771), (206, 15822), (210, 15840), (214, 15858),

Gene: Judebell_27 Start: 14268, Stop: 16100, Start Num: 24

Candidate Starts for Judebell_27:

(Start: 24 @14268 has 36 MA's), (28, 14277), (34, 14376), (61, 14742), (75, 14910), (79, 14925), (91, 14985), (97, 15033), (98, 15039), (102, 15063), (109, 15177), (110, 15180), (111, 15186), (120, 15279), (135, 15360), (148, 15453), (149, 15468), (154, 15516), (159, 15540), (165, 15588), (167, 15612), (171, 15660), (179, 15702), (189, 15837), (191, 15858), (200, 15918), (207, 15987), (215, 16020),

Gene: KaiHaiDragon_27 Start: 13679, Stop: 15535, Start Num: 17

Candidate Starts for KaiHaiDragon_27:

(Start: 17 @13679 has 53 MA's), (64, 14255), (69, 14300), (73, 14336), (85, 14405), (91, 14426), (92, 14429), (95, 14459), (106, 14579), (115, 14660), (131, 14774), (133, 14801), (157, 14990), (170, 15116), (174, 15140), (185, 15230), (186, 15245), (192, 15293), (195, 15323), (197, 15335), (200, 15350), (202, 15365), (206, 15416), (210, 15434), (214, 15452),

Gene: Kelcole_23 Start: 13023, Stop: 14801, Start Num: 22

Candidate Starts for Kelcole_23:

(Start: 22 @13023 has 11 MA's), (28, 13035), (50, 13377), (62, 13494), (78, 13620), (97, 13734), (102, 13764), (120, 13977), (135, 14058), (137, 14067), (146, 14145), (148, 14151), (149, 14166), (167, 14310), (170, 14352), (179, 14403), (190, 14550), (191, 14559), (211, 14709), (215, 14721),

Gene: KillerQueen_25 Start: 12845, Stop: 14623, Start Num: 22

Candidate Starts for KillerQueen_25:

(Start: 22 @12845 has 11 MA's), (28, 12857), (50, 13199), (62, 13316), (78, 13442), (97, 13556), (102, 13586), (120, 13799), (135, 13880), (137, 13889), (146, 13967), (148, 13973), (149, 13988), (167, 14132), (170, 14174), (179, 14225), (190, 14372), (191, 14381), (211, 14531), (215, 14543),

Gene: Kowalski_26 Start: 13795, Stop: 15651, Start Num: 17

Candidate Starts for Kowalski_26:

(Start: 17 @13795 has 53 MA's), (64, 14371), (69, 14416), (73, 14452), (85, 14521), (91, 14542), (92, 14545), (95, 14575), (106, 14695), (115, 14776), (131, 14890), (133, 14917), (157, 15106), (185, 15346), (186, 15361), (192, 15409), (195, 15439), (197, 15451), (200, 15466), (202, 15481), (206, 15532), (210, 15550), (214, 15568),

Gene: Kozie_23 Start: 13272, Stop: 15131, Start Num: 17

Candidate Starts for Kozie_23:

(Start: 17 @13272 has 53 MA's), (56, 13767), (73, 13923), (91, 14013), (113, 14220), (131, 14355), (138, 14427), (141, 14472), (152, 14544), (155, 14565), (157, 14571), (164, 14628), (169, 14682), (174, 14721), (175, 14727), (182, 14766), (184, 14799), (214, 15045),

Gene: Kyva_27 Start: 14519, Stop: 16351, Start Num: 24

Candidate Starts for Kyva_27:

(Start: 24 @14519 has 36 MA's), (28, 14528), (34, 14627), (59, 14960), (75, 15161), (79, 15176), (91, 15236), (97, 15284), (102, 15314), (110, 15431), (111, 15437), (120, 15530), (135, 15611), (148, 15704), (149, 15719), (154, 15767), (159, 15791), (165, 15839), (167, 15863), (171, 15911), (179, 15953), (189, 16088), (191, 16109), (197, 16154), (200, 16169), (207, 16238), (215, 16271),

Gene: Leaf_60 Start: 29654, Stop: 31561, Start Num: 16

Candidate Starts for Leaf_60:

(1, 29438), (4, 29510), (6, 29543), (7, 29546), (Start: 16 @29654 has 4 MA's), (45, 29993), (55, 30131), (59, 30161), (66, 30269), (71, 30314), (122, 30755), (147, 30929), (151, 30959), (152, 30971), (157, 30998), (164, 31055), (167, 31082), (169, 31109), (173, 31136), (176, 31160), (182, 31202), (183, 31232), (185, 31247), (201, 31391), (212, 31475), (219, 31517),

Gene: LittleFortune_28 Start: 14042, Stop: 15901, Start Num: 17

Candidate Starts for LittleFortune_28:

(Start: 17 @14042 has 53 MA's), (64, 14621), (69, 14666), (73, 14702), (85, 14771), (91, 14792), (92, 14795), (95, 14825), (106, 14945), (115, 15026), (131, 15140), (133, 15167), (157, 15356), (170, 15482), (185, 15596), (186, 15611), (192, 15659), (195, 15689), (200, 15716), (202, 15731), (206, 15782), (210, 15800), (214, 15818),

Gene: Llemily_24 Start: 13503, Stop: 15335, Start Num: 24

Candidate Starts for Llemily_24:

(Start: 24 @13503 has 36 MA's), (28, 13512), (34, 13611), (61, 13977), (75, 14145), (79, 14160), (91, 14220), (97, 14268), (98, 14274), (102, 14298), (110, 14415), (111, 14421), (120, 14514), (135, 14595), (148, 14688), (149, 14703), (154, 14751), (159, 14775), (165, 14823), (167, 14847), (171, 14895), (179, 14937), (189, 15072), (190, 15084), (191, 15093), (200, 15153), (207, 15222), (215, 15255),

Gene: Lonelysoil_24 Start: 13748, Stop: 15580, Start Num: 24

Candidate Starts for Lonelysoil_24:

(Start: 24 @13748 has 36 MA's), (28, 13757), (34, 13856), (61, 14222), (75, 14390), (79, 14405), (91, 14465), (97, 14513), (98, 14519), (102, 14543), (110, 14660), (111, 14666), (120, 14759), (135, 14840), (148, 14933), (149, 14948), (154, 14996), (159, 15020), (165, 15068), (167, 15092), (171, 15140), (179, 15182), (189, 15317), (190, 15329), (191, 15338), (200, 15398), (207, 15467), (215, 15500),

Gene: Lucretia_27 Start: 13732, Stop: 15588, Start Num: 17

Candidate Starts for Lucretia_27:

(Start: 17 @13732 has 53 MA's), (64, 14308), (69, 14353), (73, 14389), (85, 14458), (91, 14479), (92, 14482), (95, 14512), (106, 14632), (115, 14713), (131, 14827), (133, 14854), (157, 15043), (170, 15169), (185, 15283), (186, 15298), (192, 15346), (195, 15376), (197, 15388), (200, 15403), (202, 15418), (206, 15469), (210, 15487), (214, 15505),

Gene: Maih_13 Start: 13750, Stop: 15444, Start Num: 25

Candidate Starts for Maih_13:

(Start: 25 @13750 has 12 MA's), (27, 13759), (33, 13861), (45, 13993), (46, 14017), (52, 14113), (63, 14194), (68, 14239), (70, 14248), (74, 14281), (80, 14308), (81, 14311), (90, 14359), (94, 14392), (95, 14395), (100, 14434), (102, 14440), (106, 14518), (108, 14551), (119, 14641), (137, 14731), (144, 14797), (146, 14809), (147, 14812), (161, 14929), (166, 14962), (168, 15004), (183, 15121), (191, 15217), (199, 15274), (205, 15337), (207, 15343), (214, 15376), (217, 15400), (222, 15418), (224, 15433),

Gene: Marcie_29 Start: 13698, Stop: 15482, Start Num: 22

Candidate Starts for Marcie_29:

(Start: 22 @13698 has 11 MA's), (28, 13710), (50, 14058), (62, 14175), (78, 14301), (91, 14367), (97, 14415), (102, 14445), (120, 14658), (135, 14739), (137, 14748), (146, 14826), (148, 14832), (149, 14847), (167, 14991), (170, 15033), (179, 15084), (190, 15231), (191, 15240), (215, 15402),

Gene: Margaery_22 Start: 13234, Stop: 15096, Start Num: 17

Candidate Starts for Margaery_22:

(9, 13135), (Start: 17 @13234 has 53 MA's), (47, 13588), (64, 13807), (67, 13846), (73, 13888), (91, 13978), (101, 14047), (114, 14200), (131, 14320), (141, 14437), (157, 14536), (160, 14551), (164, 14593), (169, 14647), (175, 14692), (177, 14704), (180, 14719), (182, 14731), (190, 14839), (193, 14872), (202, 14923), (209, 14989),

Gene: Mashley_23 Start: 14088, Stop: 15914, Start Num: 24

Candidate Starts for Mashley_23:

(Start: 24 @14088 has 36 MA's), (28, 14097), (34, 14196), (59, 14523), (75, 14724), (79, 14739), (91, 14799), (97, 14847), (102, 14877), (110, 14994), (111, 15000), (120, 15093), (135, 15174), (148, 15267), (149, 15282), (154, 15330), (159, 15354), (165, 15402), (167, 15426), (171, 15474), (179, 15516), (189, 15651), (191, 15672), (200, 15732), (207, 15801), (215, 15834),

Gene: Matzah_23 Start: 13253, Stop: 15118, Start Num: 17

Candidate Starts for Matzah_23:

(Start: 17 @13253 has 53 MA's), (47, 13607), (54, 13733), (67, 13871), (73, 13913), (88, 13994), (91, 14003), (99, 14060), (101, 14072), (112, 14204), (114, 14225), (115, 14231), (131, 14345), (140, 14444), (141, 14462), (157, 14561), (160, 14576), (164, 14618), (169, 14672), (170, 14687), (177, 14729), (180, 14744), (182, 14756), (185, 14801), (190, 14864), (193, 14897),

Gene: Megan_21 Start: 14855, Stop: 16870, Start Num: 17

Candidate Starts for Megan_21:

(2, 14651), (3, 14660), (5, 14723), (7, 14741), (15, 14843), (Start: 17 @14855 has 53 MA's), (35, 15056), (64, 15434), (69, 15479), (73, 15515), (85, 15584), (91, 15605), (92, 15608), (93, 15623), (106, 15758), (107, 15773), (126, 16007), (128, 16076), (133, 16148), (152, 16310), (153, 16313), (156, 16334), (163, 16388), (169, 16448), (175, 16493), (177, 16505), (184, 16565), (185, 16577), (192, 16640), (195, 16670), (200, 16697), (211, 16790), (212, 16793), (214, 16799), (220, 16838),

Gene: MementoMori_23 Start: 12969, Stop: 14840, Start Num: 17

Candidate Starts for MementoMori_23:

(Start: 17 @12969 has 53 MA's), (54, 13452), (65, 13560), (67, 13590), (73, 13632), (88, 13713), (91, 13722), (99, 13779), (101, 13791), (112, 13923), (114, 13944), (115, 13950), (131, 14064), (140, 14163), (141, 14181), (157, 14280), (160, 14295), (164, 14337), (169, 14391), (170, 14406), (177, 14448), (180, 14463), (182, 14475), (185, 14520), (190, 14583), (193, 14616), (214, 14754),

Gene: Mentos_29 Start: 15175, Stop: 17001, Start Num: 24

Candidate Starts for Mentos_29:

(Start: 24 @15175 has 36 MA's), (28, 15184), (34, 15283), (59, 15610), (75, 15811), (79, 15826), (91, 15886), (97, 15934), (102, 15964), (110, 16081), (111, 16087), (120, 16180), (135, 16261), (148, 16354), (149, 16369), (154, 16417), (159, 16441), (165, 16489), (167, 16513), (171, 16561), (179, 16603), (189, 16738), (191, 16759), (200, 16819), (207, 16888), (215, 16921),

Gene: Merry_ Start: 13998, Stop: 15890, Start Num: 14

Candidate Starts for Merry_:

(10, 13962), (11, 13968), (13, 13995), (Start: 14 @13998 has 2 MA's), (Start: 17 @14052 has 53 MA's), (45, 14373), (64, 14610), (69, 14655), (73, 14691), (85, 14760), (91, 14781), (92, 14784), (98, 14835), (103, 14868), (106, 14934), (115, 15015), (133, 15156), (153, 15321), (157, 15345), (170, 15471), (185, 15585), (186, 15600), (190, 15636), (192, 15648), (195, 15678), (197, 15690), (200, 15705), (217, 15831),

Gene: Metamorphoo_27 Start: 13469, Stop: 15490, Start Num: 17

Candidate Starts for Metamorphoo_27:

(Start: 17 @13469 has 53 MA's), (64, 14054), (73, 14135), (77, 14159), (85, 14204), (91, 14225), (92, 14228), (106, 14378), (124, 14588), (127, 14636), (129, 14708), (133, 14768), (134, 14792), (152, 14930), (156, 14954), (157, 14957), (169, 15068), (185, 15197), (186, 15212), (187, 15221), (190, 15248), (192, 15260), (195, 15290), (200, 15317), (210, 15401), (214, 15419),

Gene: Mila11_28 Start: 15055, Stop: 16887, Start Num: 24

Candidate Starts for Mila11_28:

(Start: 24 @15055 has 36 MA's), (28, 15064), (34, 15163), (61, 15529), (75, 15697), (79, 15712), (91, 15772), (97, 15820), (98, 15826), (102, 15850), (109, 15964), (110, 15967), (111, 15973), (120, 16066), (135, 16147), (148, 16240), (149, 16255), (154, 16303), (159, 16327), (165, 16375), (167, 16399), (171, 16447), (179, 16489), (189, 16624), (190, 16636), (191, 16645), (200, 16705), (207, 16774), (215, 16807),

Gene: Mischief19_14 Start: 15652, Stop: 17313, Start Num: 25

Candidate Starts for Mischief19_14:

(Start: 25 @15652 has 12 MA's), (30, 15730), (45, 15895), (48, 15976), (60, 16060), (71, 16147), (76, 16189), (81, 16204), (87, 16243), (89, 16249), (90, 16252), (94, 16285), (106, 16411), (108, 16444), (112, 16465), (118, 16525), (134, 16609), (143, 16684), (146, 16702), (166, 16837), (168, 16879), (183, 16996), (188, 17065), (192, 17095),

Gene: MisoSoup_18 Start: 9688, Stop: 11541, Start Num: 17

Candidate Starts for MisoSoup_18:

(Start: 17 @9688 has 53 MA's), (20, 9739), (60, 10183), (66, 10249), (72, 10300), (84, 10375), (114, 10639), (141, 10891), (149, 10939), (152, 10963), (155, 10984), (164, 11047), (180, 11173), (190, 11293), (195, 11335), (201, 11374),

Gene: MorillMayhem_25 Start: 14081, Stop: 15913, Start Num: 24

Candidate Starts for MorillMayhem_25:

(Start: 24 @14081 has 36 MA's), (28, 14090), (34, 14189), (61, 14555), (75, 14723), (79, 14738), (91, 14798), (97, 14846), (98, 14852), (102, 14876), (109, 14990), (110, 14993), (111, 14999), (120, 15092), (135, 15173), (148, 15266), (149, 15281), (154, 15329), (159, 15353), (165, 15401), (167, 15425), (171, 15473), (179, 15515), (189, 15650), (190, 15662), (191, 15671), (200, 15731), (207, 15800), (215, 15833),

Gene: Namago_25 Start: 13649, Stop: 15481, Start Num: 24

Candidate Starts for Namago_25:

(Start: 24 @13649 has 36 MA's), (28, 13658), (34, 13757), (59, 14090), (75, 14291), (79, 14306), (91, 14366), (97, 14414), (102, 14444), (110, 14561), (111, 14567), (120, 14660), (135, 14741), (148, 14834), (149, 14849), (154, 14897), (159, 14921), (165, 14969), (167, 14993), (171, 15041), (179, 15083), (189, 15218), (191, 15239), (197, 15284), (200, 15299), (207, 15368), (215, 15401),

Gene: Nicole72_22 Start: 15232, Stop: 17253, Start Num: 17

Candidate Starts for Nicole72_22:

(15, 15220), (Start: 17 @15232 has 53 MA's), (35, 15433), (41, 15505), (64, 15817), (69, 15862), (73, 15898), (85, 15967), (91, 15988), (96, 16024), (106, 16141), (111, 16186), (113, 16201), (133, 16531), (152, 16693), (153, 16696), (156, 16717), (169, 16831), (177, 16888), (184, 16948), (185, 16960), (192, 17023), (195, 17053), (211, 17173), (212, 17176), (214, 17182), (220, 17221),

Gene: Nike_25 Start: 14547, Stop: 16379, Start Num: 24

Candidate Starts for Nike_25:

(Start: 24 @14547 has 36 MA's), (28, 14556), (34, 14655), (61, 15021), (75, 15189), (79, 15204), (91, 15264), (97, 15312), (98, 15318), (102, 15342), (110, 15459), (111, 15465), (120, 15558), (135, 15639), (148, 15732), (149, 15747), (154, 15795), (159, 15819), (165, 15867), (167, 15891), (171, 15939), (179, 15981), (189, 16116), (190, 16128), (191, 16137), (200, 16197), (207, 16266), (215, 16299),

Gene: NoodlelyBoi_27 Start: 14134, Stop: 15984, Start Num: 17

Candidate Starts for NoodlelyBoi_27:

(Start: 17 @14134 has 53 MA's), (64, 14710), (69, 14755), (73, 14791), (85, 14860), (91, 14881), (92, 14884), (95, 14914), (106, 15034), (131, 15229), (133, 15256), (138, 15301), (157, 15445), (175, 15601), (185, 15685), (192, 15748), (195, 15778), (197, 15790), (200, 15805), (202, 15820), (206, 15871), (210, 15889),

Gene: OneinaGillian_24 Start: 12673, Stop: 14451, Start Num: 22

Candidate Starts for OneinaGillian_24:

(Start: 22 @12673 has 11 MA's), (28, 12685), (50, 13027), (62, 13144), (78, 13270), (97, 13384), (102, 13414), (120, 13627), (135, 13708), (137, 13717), (146, 13795), (148, 13801), (149, 13816), (167,

13960), (170, 14002), (179, 14053), (190, 14200), (191, 14209), (211, 14359), (215, 14371), (223, 14431),

Gene: Onika_26 Start: 13769, Stop: 15625, Start Num: 17

Candidate Starts for Onika_26:

(Start: 17 @13769 has 53 MA's), (64, 14345), (69, 14390), (73, 14426), (85, 14495), (91, 14516), (92, 14519), (95, 14549), (106, 14669), (115, 14750), (131, 14864), (133, 14891), (157, 15080), (170, 15206), (185, 15320), (186, 15335), (192, 15383), (195, 15413), (197, 15425), (200, 15440), (202, 15455), (206, 15506), (210, 15524), (214, 15542),

Gene: Paschalis_26 Start: 13783, Stop: 15639, Start Num: 17

Candidate Starts for Paschalis_26:

(Start: 17 @13783 has 53 MA's), (64, 14359), (69, 14404), (73, 14440), (85, 14509), (91, 14530), (92, 14533), (95, 14563), (106, 14683), (115, 14764), (131, 14878), (133, 14905), (157, 15094), (185, 15334), (186, 15349), (192, 15397), (195, 15427), (197, 15439), (200, 15454), (202, 15469), (206, 15520), (210, 15538), (214, 15556),

Gene: Pepe25_23 Start: 13010, Stop: 14788, Start Num: 22

Candidate Starts for Pepe25_23:

(Start: 22 @13010 has 11 MA's), (28, 13022), (50, 13367), (62, 13481), (78, 13607), (91, 13673), (97, 13721), (102, 13751), (120, 13964), (135, 14045), (137, 14054), (146, 14132), (148, 14138), (149, 14153), (167, 14297), (170, 14339), (179, 14390), (190, 14537), (191, 14546), (211, 14696), (215, 14708),

Gene: Phabia_25 Start: 13921, Stop: 15753, Start Num: 24

Candidate Starts for Phabia_25:

(Start: 24 @13921 has 36 MA's), (28, 13930), (34, 14029), (61, 14395), (75, 14563), (79, 14578), (91, 14638), (97, 14686), (98, 14692), (102, 14716), (110, 14833), (111, 14839), (120, 14932), (135, 15013), (148, 15106), (149, 15121), (154, 15169), (159, 15193), (165, 15241), (167, 15265), (171, 15313), (179, 15355), (189, 15490), (190, 15502), (191, 15511), (200, 15571), (207, 15640), (215, 15673),

Gene: PhedwardCullen_26 Start: 13528, Stop: 15384, Start Num: 17

Candidate Starts for PhedwardCullen_26:

(Start: 17 @13528 has 53 MA's), (64, 14104), (69, 14149), (73, 14185), (85, 14254), (91, 14275), (92, 14278), (95, 14308), (106, 14428), (115, 14509), (131, 14623), (133, 14650), (157, 14839), (170, 14965), (185, 15079), (186, 15094), (192, 15142), (195, 15172), (197, 15184), (200, 15199), (202, 15214), (206, 15265), (210, 15283), (214, 15301),

Gene: Phinky_31 Start: 14788, Stop: 16635, Start Num: 23

Candidate Starts for Phinky_31:

(Start: 23 @14788 has 4 MA's), (28, 14797), (29, 14833), (44, 15022), (75, 15442), (82, 15469), (97, 15565), (102, 15595), (120, 15811), (132, 15853), (134, 15886), (135, 15892), (137, 15901), (141, 15952), (148, 15985), (149, 16000), (167, 16144), (170, 16186), (171, 16192), (179, 16237), (185, 16303), (189, 16372), (190, 16384), (191, 16393), (200, 16453), (213, 16549), (215, 16555),

Gene: Phorgeous_26 Start: 13636, Stop: 15492, Start Num: 17

Candidate Starts for Phorgeous_26:

(Start: 17 @13636 has 53 MA's), (64, 14212), (69, 14257), (73, 14293), (85, 14362), (91, 14383), (92, 14386), (95, 14416), (106, 14536), (115, 14617), (131, 14731), (133, 14758), (157, 14947), (170, 15073), (185, 15187), (186, 15202), (192, 15250), (195, 15280), (197, 15292), (200, 15307), (202, 15322), (206, 15373), (210, 15391), (214, 15409),

Gene: Phrancesco_27 Start: 13914, Stop: 15770, Start Num: 17

Candidate Starts for Phrancesco_27:

(Start: 17 @13914 has 53 MA's), (64, 14490), (69, 14535), (73, 14571), (85, 14640), (91, 14661), (92, 14664), (95, 14694), (106, 14814), (115, 14895), (131, 15009), (133, 15036), (157, 15225), (170, 15351), (174, 15375), (185, 15465), (186, 15480), (192, 15528), (195, 15558), (197, 15570), (200, 15585), (202, 15600), (206, 15651), (210, 15669), (214, 15687),

Gene: PierreOrion_27 Start: 13938, Stop: 15794, Start Num: 17

Candidate Starts for PierreOrion_27:

(Start: 17 @13938 has 53 MA's), (64, 14514), (69, 14559), (73, 14595), (85, 14664), (91, 14685), (92, 14688), (95, 14718), (106, 14838), (115, 14919), (131, 15033), (133, 15060), (157, 15249), (170, 15375), (185, 15489), (186, 15504), (192, 15552), (195, 15582), (197, 15594), (200, 15609), (202, 15624), (206, 15675), (210, 15693), (214, 15711),

Gene: PiperSansNom_27 Start: 14090, Stop: 15946, Start Num: 17

Candidate Starts for PiperSansNom_27:

(Start: 17 @14090 has 53 MA's), (64, 14666), (69, 14711), (73, 14747), (85, 14816), (91, 14837), (92, 14840), (95, 14870), (106, 14990), (115, 15071), (131, 15185), (133, 15212), (157, 15401), (170, 15527), (185, 15641), (186, 15656), (192, 15704), (195, 15734), (197, 15746), (200, 15761), (202, 15776), (206, 15827), (210, 15845), (214, 15863),

Gene: Piperis_27 Start: 13760, Stop: 15616, Start Num: 17

Candidate Starts for Piperis_27:

(Start: 17 @13760 has 53 MA's), (64, 14336), (69, 14381), (73, 14417), (85, 14486), (91, 14507), (92, 14510), (95, 14540), (106, 14660), (115, 14741), (131, 14855), (133, 14882), (157, 15071), (170, 15197), (185, 15311), (186, 15326), (192, 15374), (195, 15404), (197, 15416), (200, 15431), (202, 15446), (206, 15497), (210, 15515), (214, 15533),

Gene: Pulchra_28 Start: 14160, Stop: 16016, Start Num: 17

Candidate Starts for Pulchra_28:

(Start: 17 @14160 has 53 MA's), (64, 14736), (69, 14781), (73, 14817), (85, 14886), (91, 14907), (92, 14910), (95, 14940), (106, 15060), (115, 15141), (131, 15255), (133, 15282), (157, 15471), (170, 15597), (185, 15711), (186, 15726), (192, 15774), (195, 15804), (197, 15816), (200, 15831), (202, 15846), (206, 15897), (210, 15915), (214, 15933),

Gene: Quammi_23 Start: 13492, Stop: 15324, Start Num: 24

Candidate Starts for Quammi_23:

(Start: 24 @13492 has 36 MA's), (28, 13501), (34, 13600), (61, 13966), (75, 14134), (79, 14149), (91, 14209), (97, 14257), (98, 14263), (102, 14287), (110, 14404), (111, 14410), (120, 14503), (135, 14584), (148, 14677), (149, 14692), (154, 14740), (159, 14764), (165, 14812), (167, 14836), (171, 14884), (179, 14926), (189, 15061), (190, 15073), (191, 15082), (200, 15142), (207, 15211), (215, 15244),

Gene: Quhwah_30 Start: 14383, Stop: 16242, Start Num: 17

Candidate Starts for Quhwah_30:

(Start: 17 @14383 has 53 MA's), (64, 14962), (69, 15007), (73, 15043), (85, 15112), (91, 15133), (92, 15136), (95, 15166), (106, 15286), (115, 15367), (131, 15481), (133, 15508), (157, 15697), (170, 15823), (185, 15937), (186, 15952), (192, 16000), (195, 16030), (197, 16042), (200, 16057), (202, 16072), (206, 16123), (210, 16141), (214, 16159),

Gene: RainyPolka_13 Start: 13679, Stop: 15376, Start Num: 25

Candidate Starts for RainyPolka_13:

(Start: 25 @13679 has 12 MA's), (27, 13688), (30, 13757), (32, 13775), (33, 13790), (45, 13922), (46, 13946), (52, 14045), (63, 14126), (70, 14180), (73, 14210), (74, 14213), (80, 14240), (81, 14243), (90, 14291), (102, 14372), (104, 14414), (108, 14483), (119, 14573), (137, 14663), (144, 14729), (146, 14741), (147, 14744), (154, 14810), (166, 14894), (168, 14936), (177, 14996), (191, 15149), (199, 15206), (204, 15266), (205, 15269), (214, 15308), (217, 15332), (222, 15350),

Gene: Ramiel05_26 Start: 13795, Stop: 15651, Start Num: 17

Candidate Starts for Ramiel05_26:

(Start: 17 @13795 has 53 MA's), (64, 14371), (69, 14416), (73, 14452), (85, 14521), (91, 14542), (92, 14545), (95, 14575), (106, 14695), (115, 14776), (131, 14890), (133, 14917), (157, 15106), (185, 15346), (186, 15361), (192, 15409), (195, 15439), (197, 15451), (200, 15466), (202, 15481), (206, 15532), (210, 15550), (214, 15568),

Gene: Rasputia_56 Start: 29361, Stop: 31292, Start Num: 16

Candidate Starts for Rasputia_56:

(Start: 16 @29361 has 4 MA's), (32, 29544), (40, 29628), (45, 29697), (59, 29895), (60, 29904), (66, 30003), (71, 30048), (92, 30165), (147, 30663), (151, 30693), (152, 30705), (157, 30732), (162, 30777), (167, 30816), (170, 30858), (190, 31044), (219, 31251),

Gene: RobinRose_26 Start: 13174, Stop: 14952, Start Num: 22

Candidate Starts for RobinRose_26:

(Start: 22 @13174 has 11 MA's), (28, 13186), (50, 13528), (62, 13645), (78, 13771), (97, 13885), (102, 13915), (120, 14128), (135, 14209), (137, 14218), (146, 14296), (148, 14302), (149, 14317), (167, 14461), (170, 14503), (179, 14554), (190, 14701), (191, 14710), (211, 14860), (215, 14872),

Gene: RobsFeet_28 Start: 13750, Stop: 15771, Start Num: 17

Candidate Starts for RobsFeet_28:

(Start: 17 @13750 has 53 MA's), (64, 14335), (73, 14416), (77, 14440), (85, 14485), (91, 14506), (92, 14509), (106, 14659), (127, 14917), (129, 14989), (133, 15049), (134, 15073), (152, 15211), (156, 15235), (157, 15238), (169, 15349), (185, 15478), (186, 15493), (187, 15502), (190, 15529), (192, 15541), (195, 15571), (200, 15598), (214, 15700),

Gene: Rockwell_26 Start: 13795, Stop: 15651, Start Num: 17

Candidate Starts for Rockwell_26:

(Start: 17 @13795 has 53 MA's), (64, 14371), (69, 14416), (73, 14452), (85, 14521), (91, 14542), (92, 14545), (95, 14575), (106, 14695), (115, 14776), (131, 14890), (133, 14917), (157, 15106), (185, 15346), (186, 15361), (192, 15409), (195, 15439), (197, 15451), (200, 15466), (202, 15481), (206, 15532), (210, 15550), (214, 15568),

Gene: Romm_26 Start: 13174, Stop: 14952, Start Num: 22

Candidate Starts for Romm_26:

(Start: 22 @13174 has 11 MA's), (28, 13186), (50, 13528), (62, 13645), (78, 13771), (97, 13885), (102, 13915), (120, 14128), (135, 14209), (137, 14218), (146, 14296), (148, 14302), (149, 14317), (167, 14461), (170, 14503), (179, 14554), (190, 14701), (191, 14710), (211, 14860), (215, 14872),

Gene: Rowlf_21 Start: 13250, Stop: 15082, Start Num: 24

Candidate Starts for Rowlf_21:

(Start: 24 @13250 has 36 MA's), (28, 13259), (34, 13358), (61, 13724), (75, 13892), (79, 13907), (91, 13967), (97, 14015), (98, 14021), (102, 14045), (110, 14162), (111, 14168), (120, 14261), (135, 14342), (148, 14435), (149, 14450), (154, 14498), (159, 14522), (165, 14570), (167, 14594), (171, 14642), (179, 14684), (189, 14819), (190, 14831), (191, 14840), (200, 14900), (207, 14969), (215, 15002),

Gene: RubyRalph_27 Start: 13767, Stop: 15596, Start Num: 23

Candidate Starts for RubyRalph_27:

(Start: 23 @13767 has 4 MA's), (28, 13779), (37, 13908), (50, 14136), (51, 14154), (66, 14313), (75, 14397), (91, 14475), (97, 14523), (102, 14553), (109, 14667), (120, 14769), (132, 14811), (135, 14850), (137, 14859), (148, 14943), (149, 14958), (165, 15078), (167, 15102), (170, 15144), (171, 15150), (179, 15192), (189, 15327), (191, 15348), (193, 15372), (196, 15390), (200, 15408), (215, 15510),

Gene: Rudy_23 Start: 13492, Stop: 15324, Start Num: 24

Candidate Starts for Rudy_23:

(Start: 24 @13492 has 36 MA's), (28, 13501), (34, 13600), (61, 13966), (75, 14134), (79, 14149), (91, 14209), (97, 14257), (98, 14263), (102, 14287), (110, 14404), (111, 14410), (120, 14503), (135, 14584), (148, 14677), (149, 14692), (154, 14740), (159, 14764), (165, 14812), (167, 14836), (171, 14884), (179, 14926), (189, 15061), (190, 15073), (191, 15082), (200, 15142), (207, 15211), (215, 15244),

Gene: SadLad_29 Start: 14704, Stop: 16533, Start Num: 23

Candidate Starts for SadLad_29:

(Start: 23 @14704 has 4 MA's), (28, 14716), (37, 14845), (50, 15073), (51, 15091), (66, 15250), (75, 15334), (91, 15412), (97, 15460), (102, 15490), (109, 15604), (120, 15706), (132, 15748), (135, 15787), (148, 15880), (149, 15895), (165, 16015), (167, 16039), (170, 16081), (171, 16087), (179, 16129), (189, 16264), (191, 16285), (193, 16309), (196, 16327), (200, 16345), (215, 16447),

Gene: Salete_13 Start: 13751, Stop: 15445, Start Num: 25

Candidate Starts for Salete_13:

(Start: 25 @13751 has 12 MA's), (27, 13760), (33, 13862), (45, 13994), (46, 14018), (52, 14114), (63, 14195), (68, 14240), (70, 14249), (74, 14282), (80, 14309), (81, 14312), (90, 14360), (94, 14393), (95, 14396), (100, 14435), (102, 14441), (106, 14519), (108, 14552), (119, 14642), (137, 14732), (144, 14798), (146, 14810), (147, 14813), (161, 14930), (166, 14963), (168, 15005), (183, 15122), (191, 15218), (199, 15275), (205, 15338), (207, 15344), (214, 15377), (217, 15401), (222, 15419), (224, 15434),

Gene: SallyK_26 Start: 14644, Stop: 16470, Start Num: 24

Candidate Starts for SallyK_26:

(Start: 24 @14644 has 36 MA's), (28, 14653), (34, 14752), (59, 15079), (75, 15280), (79, 15295), (91, 15355), (97, 15403), (102, 15433), (110, 15550), (111, 15556), (120, 15649), (135, 15730), (148, 15823), (149, 15838), (154, 15886), (159, 15910), (165, 15958), (167, 15982), (171, 16030), (179, 16072), (189, 16207), (191, 16228), (197, 16273), (200, 16288), (207, 16357), (215, 16390),

Gene: Savannah_26 Start: 13819, Stop: 15678, Start Num: 17

Candidate Starts for Savannah_26:

(Start: 17 @13819 has 53 MA's), (64, 14398), (69, 14443), (73, 14479), (85, 14548), (91, 14569), (92, 14572), (95, 14602), (106, 14722), (115, 14803), (131, 14917), (133, 14944), (157, 15133), (170, 15259), (185, 15373), (186, 15388), (192, 15436), (195, 15466), (197, 15478), (200, 15493), (202, 15508), (206, 15559), (210, 15577), (214, 15595),

Gene: Scumberland_28 Start: 14010, Stop: 15866, Start Num: 17

Candidate Starts for Scumberland_28:

(Start: 17 @14010 has 53 MA's), (64, 14586), (69, 14631), (73, 14667), (85, 14736), (91, 14757), (92, 14760), (95, 14790), (106, 14910), (115, 14991), (131, 15105), (133, 15132), (157, 15321), (170, 15447), (185, 15561), (186, 15576), (192, 15624), (195, 15654), (197, 15666), (200, 15681), (202, 15696), (206, 15747), (210, 15765), (214, 15783),

Gene: Selwyn23_28 Start: 13988, Stop: 15844, Start Num: 17

Candidate Starts for Selwyn23_28:

(Start: 17 @13988 has 53 MA's), (64, 14564), (69, 14609), (73, 14645), (85, 14714), (91, 14735), (92, 14738), (95, 14768), (106, 14888), (115, 14969), (131, 15083), (133, 15110), (157, 15299), (170, 15425), (185, 15539), (186, 15554), (192, 15602), (195, 15632), (197, 15644), (200, 15659), (202, 15674), (206, 15725), (210, 15743), (214, 15761),

Gene: Shotgun_26 Start: 13617, Stop: 15476, Start Num: 17

Candidate Starts for Shotgun_26:

(Start: 17 @13617 has 53 MA's), (64, 14196), (69, 14241), (73, 14277), (85, 14346), (91, 14367), (92, 14370), (95, 14400), (106, 14520), (115, 14601), (131, 14715), (133, 14742), (157, 14931), (170, 15057), (185, 15171), (186, 15186), (192, 15234), (195, 15264), (197, 15276), (200, 15291), (202, 15306), (206, 15357), (210, 15375), (214, 15393),

Gene: Shrubaron_27 Start: 13384, Stop: 15405, Start Num: 17

Candidate Starts for Shrubaron_27:

(Start: 17 @13384 has 53 MA's), (64, 13969), (73, 14050), (77, 14074), (85, 14119), (91, 14140), (92, 14143), (106, 14293), (127, 14551), (129, 14623), (133, 14683), (134, 14707), (152, 14845), (156, 14869), (157, 14872), (169, 14983), (185, 15112), (186, 15127), (187, 15136), (190, 15163), (192, 15175), (195, 15205), (200, 15232), (214, 15334),

Gene: Sillytadpoles_24 Start: 13490, Stop: 15322, Start Num: 24

Candidate Starts for Sillytadpoles_24:

(Start: 24 @13490 has 36 MA's), (28, 13499), (34, 13598), (61, 13964), (75, 14132), (79, 14147), (91, 14207), (97, 14255), (98, 14261), (102, 14285), (110, 14402), (111, 14408), (120, 14501), (135, 14582), (148, 14675), (149, 14690), (154, 14738), (159, 14762), (165, 14810), (167, 14834), (171, 14882), (179, 14924), (189, 15059), (190, 15071), (191, 15080), (200, 15140), (207, 15209), (215, 15242),

Gene: SirFrank_26 Start: 13737, Stop: 15587, Start Num: 17

Candidate Starts for SirFrank_26:

(Start: 17 @13737 has 53 MA's), (64, 14313), (69, 14358), (73, 14394), (85, 14463), (91, 14484), (92, 14487), (95, 14517), (106, 14637), (131, 14832), (133, 14859), (138, 14904), (157, 15048), (174, 15198), (175, 15204), (185, 15288), (192, 15351), (195, 15381), (197, 15393), (200, 15408), (202, 15423), (206, 15474), (210, 15492),

Gene: Skugga_25 Start: 13080, Stop: 15104, Start Num: 17

Candidate Starts for Skugga_25:

(Start: 17 @13080 has 53 MA's), (53, 13554), (64, 13668), (67, 13707), (73, 13749), (77, 13773), (85, 13818), (91, 13839), (92, 13842), (93, 13857), (100, 13911), (106, 13992), (111, 14037), (113, 14052), (133, 14382), (134, 14406), (152, 14544), (156, 14568), (157, 14571), (169, 14682), (175, 14727), (185, 14811), (186, 14826), (190, 14862), (192, 14874), (195, 14904), (200, 14931), (214, 15033),

Gene: SlySloth_27 Start: 14547, Stop: 16379, Start Num: 24

Candidate Starts for SlySloth_27:

(Start: 24 @14547 has 36 MA's), (28, 14556), (34, 14655), (61, 15021), (75, 15189), (79, 15204), (91, 15264), (97, 15312), (98, 15318), (102, 15342), (110, 15459), (111, 15465), (120, 15558), (135, 15639), (148, 15732), (149, 15747), (154, 15795), (159, 15819), (165, 15867), (167, 15891), (171, 15939), (179, 15981), (189, 16116), (191, 16137), (200, 16197), (207, 16266), (215, 16299),

Gene: Smarties_35 Start: 15581, Stop: 17596, Start Num: 17

Candidate Starts for Smarties_35:

(Start: 17 @15581 has 53 MA's), (64, 16160), (69, 16205), (73, 16241), (77, 16265), (85, 16310), (91, 16331), (93, 16349), (106, 16484), (129, 16814), (130, 16817), (133, 16874), (134, 16898), (152, 17036), (157, 17063), (169, 17174), (185, 17303), (186, 17318), (187, 17327), (190, 17354), (192, 17366), (195, 17396), (200, 17423), (210, 17507), (214, 17525),

Gene: Squash_27 Start: 14560, Stop: 16392, Start Num: 24

Candidate Starts for Squash_27:

(Start: 24 @14560 has 36 MA's), (28, 14569), (34, 14668), (61, 15034), (75, 15202), (79, 15217), (91, 15277), (97, 15325), (98, 15331), (102, 15355), (110, 15472), (111, 15478), (120, 15571), (135, 15652), (148, 15745), (149, 15760), (154, 15808), (159, 15832), (165, 15880), (167, 15904), (171, 15952), (179, 15994), (189, 16129), (190, 16141), (191, 16150), (200, 16210), (207, 16279), (215, 16312),

Gene: Statler_26 Start: 14472, Stop: 16304, Start Num: 24

Candidate Starts for Statler_26:

(Start: 24 @14472 has 36 MA's), (28, 14481), (34, 14580), (61, 14946), (75, 15114), (79, 15129), (91, 15189), (97, 15237), (98, 15243), (102, 15267), (110, 15384), (111, 15390), (120, 15483), (135, 15564), (148, 15657), (149, 15672), (154, 15720), (159, 15744), (165, 15792), (167, 15816), (171, 15864), (179, 15906), (189, 16041), (190, 16053), (191, 16062), (200, 16122), (207, 16191), (215, 16224),

Gene: StrawberryJamm_27 Start: 13792, Stop: 15624, Start Num: 24

Candidate Starts for StrawberryJamm_27:

(Start: 24 @13792 has 36 MA's), (28, 13801), (34, 13900), (59, 14233), (75, 14434), (79, 14449), (91, 14509), (97, 14557), (102, 14587), (110, 14704), (111, 14710), (120, 14803), (135, 14884), (148, 14977), (149, 14992), (154, 15040), (159, 15064), (165, 15112), (167, 15136), (171, 15184), (179, 15226), (189, 15361), (191, 15382), (197, 15427), (200, 15442), (207, 15511), (215, 15544),

Gene: Sunny_ Start: 13998, Stop: 15890, Start Num: 14

Candidate Starts for Sunny_:

(10, 13962), (11, 13968), (13, 13995), (Start: 14 @13998 has 2 MA's), (Start: 17 @14052 has 53 MA's), (45, 14373), (64, 14610), (69, 14655), (73, 14691), (85, 14760), (91, 14781), (92, 14784), (98, 14835), (103, 14868), (106, 14934), (115, 15015), (133, 15156), (153, 15321), (157, 15345), (170, 15471), (185, 15585), (186, 15600), (190, 15636), (192, 15648), (195, 15678), (197, 15690), (200, 15705), (217, 15831),

Gene: TP1604_13 Start: 13751, Stop: 15445, Start Num: 25

Candidate Starts for TP1604_13:

(Start: 25 @13751 has 12 MA's), (27, 13760), (33, 13862), (45, 13994), (46, 14018), (52, 14114), (63, 14195), (68, 14240), (70, 14249), (74, 14282), (80, 14309), (81, 14312), (90, 14360), (94, 14393), (95, 14396), (100, 14435), (102, 14441), (106, 14519), (108, 14552), (119, 14642), (134, 14717), (137, 14732), (144, 14798), (146, 14810), (147, 14813), (161, 14930), (166, 14963), (168, 15005), (183, 15122), (191, 15218), (199, 15275), (203, 15296), (205, 15338), (207, 15344), (214, 15377), (217, 15401), (222, 15419), (224, 15434),

Gene: Teamocil_28 Start: 13248, Stop: 15266, Start Num: 17

Candidate Starts for Teamocil_28:

(Start: 17 @13248 has 53 MA's), (53, 13716), (64, 13830), (67, 13869), (73, 13911), (77, 13935), (85, 13980), (91, 14001), (92, 14004), (93, 14019), (100, 14073), (106, 14154), (113, 14214), (123, 14358), (125, 14376), (133, 14544), (134, 14568), (152, 14706), (157, 14733), (169, 14844), (185, 14973), (186, 14988), (190, 15024), (192, 15036), (195, 15066), (200, 15093), (214, 15195),

Gene: Teehee_26 Start: 14727, Stop: 16559, Start Num: 24

Candidate Starts for Teehee_26:

(Start: 24 @14727 has 36 MA's), (28, 14736), (34, 14835), (61, 15201), (75, 15369), (79, 15384), (91, 15444), (97, 15492), (98, 15498), (102, 15522), (110, 15639), (111, 15645), (120, 15738), (135, 15819), (148, 15912), (149, 15927), (154, 15975), (159, 15999), (165, 16047), (167, 16071), (171, 16119), (179, 16161), (189, 16296), (190, 16308), (191, 16317), (200, 16377), (207, 16446), (215, 16479),

Gene: Tempo_24 Start: 13050, Stop: 14828, Start Num: 22

Candidate Starts for Tempo_24:

(Start: 22 @13050 has 11 MA's), (28, 13062), (50, 13404), (62, 13521), (78, 13647), (97, 13761), (102, 13791), (120, 14004), (135, 14085), (137, 14094), (146, 14172), (148, 14178), (149, 14193), (167, 14337), (170, 14379), (179, 14430), (190, 14577), (191, 14586), (211, 14736), (215, 14748),

Gene: Terij_23 Start: 13292, Stop: 15169, Start Num: 17

Candidate Starts for Terij_23:

(Start: 17 @13292 has 53 MA's), (64, 13889), (67, 13928), (73, 13970), (91, 14060), (101, 14129), (114, 14282), (131, 14402), (141, 14519), (157, 14618), (160, 14633), (163, 14669), (164, 14675), (169, 14729), (177, 14786), (180, 14801), (182, 14813), (185, 14858), (190, 14921), (195, 14963), (209, 15071),

Gene: Tissue_25 Start: 14292, Stop: 16115, Start Num: 24

Candidate Starts for Tissue_25:

(Start: 24 @14292 has 36 MA's), (28, 14301), (34, 14400), (59, 14724), (75, 14925), (79, 14940), (91, 15000), (97, 15048), (102, 15078), (110, 15195), (111, 15201), (120, 15294), (135, 15375), (148, 15468), (149, 15483), (154, 15531), (159, 15555), (165, 15603), (167, 15627), (171, 15675), (179, 15717), (189, 15852), (191, 15873), (200, 15933), (207, 16002), (215, 16035),

Gene: TurkishDelight_17 Start: 12983, Stop: 14710, Start Num: 25

Candidate Starts for TurkishDelight_17:

(18, 12944), (Start: 25 @12983 has 12 MA's), (31, 13091), (35, 13139), (36, 13148), (42, 13241), (58, 13418), (70, 13514), (90, 13625), (117, 13889), (118, 13898), (121, 13940), (138, 14003), (146, 14075), (147, 14078), (149, 14096), (161, 14177), (162, 14189), (166, 14210), (169, 14255), (183, 14369), (187, 14405), (198, 14516), (199, 14522), (207, 14594), (209, 14606), (221, 14669),

Gene: Tyrumbra_25 Start: 12826, Stop: 14847, Start Num: 17

Candidate Starts for Tyrumbra_25:

(Start: 17 @12826 has 53 MA's), (64, 13411), (73, 13492), (77, 13516), (85, 13561), (91, 13582), (106, 13735), (127, 13993), (129, 14065), (133, 14125), (134, 14149), (152, 14287), (156, 14311), (157, 14314), (169, 14425), (185, 14554), (186, 14569), (187, 14578), (190, 14605), (192, 14617), (195, 14647), (200, 14674), (214, 14776),

Gene: Viceroy_24 Start: 13492, Stop: 15324, Start Num: 24

Candidate Starts for Viceroy_24:

(Start: 24 @13492 has 36 MA's), (28, 13501), (34, 13600), (61, 13966), (75, 14134), (79, 14149), (91, 14209), (97, 14257), (98, 14263), (102, 14287), (110, 14404), (111, 14410), (120, 14503), (135, 14584), (148, 14677), (149, 14692), (154, 14740), (159, 14764), (165, 14812), (167, 14836), (171, 14884), (179, 14926), (189, 15061), (190, 15073), (191, 15082), (200, 15142), (207, 15211), (215, 15244),

Gene: Wayne3_26 Start: 14457, Stop: 16289, Start Num: 24

Candidate Starts for Wayne3_26:

(Start: 24 @14457 has 36 MA's), (28, 14466), (34, 14565), (61, 14931), (75, 15099), (79, 15114), (91, 15174), (97, 15222), (98, 15228), (102, 15252), (110, 15369), (111, 15375), (120, 15468), (135,

15549), (148, 15642), (149, 15657), (154, 15705), (159, 15729), (165, 15777), (167, 15801), (171, 15849), (179, 15891), (189, 16026), (190, 16038), (191, 16047), (200, 16107), (207, 16176), (215, 16209),

Gene: WheelerS25_30 Start: 15293, Stop: 17119, Start Num: 24

Candidate Starts for WheelerS25_30:

(Start: 24 @15293 has 36 MA's), (28, 15302), (34, 15401), (59, 15728), (61, 15761), (75, 15929), (79, 15944), (91, 16004), (97, 16052), (98, 16058), (102, 16082), (109, 16196), (110, 16199), (111, 16205), (120, 16298), (135, 16379), (148, 16472), (149, 16487), (154, 16535), (159, 16559), (165, 16607), (167, 16631), (171, 16679), (179, 16721), (189, 16856), (191, 16877), (200, 16937), (207, 17006), (215, 17039),

Gene: Wheelie_24 Start: 13808, Stop: 15640, Start Num: 24

Candidate Starts for Wheelie_24:

(Start: 24 @13808 has 36 MA's), (28, 13817), (34, 13916), (61, 14282), (75, 14450), (79, 14465), (91, 14525), (97, 14573), (98, 14579), (102, 14603), (110, 14720), (111, 14726), (120, 14819), (135, 14900), (148, 14993), (149, 15008), (154, 15056), (159, 15080), (165, 15128), (167, 15152), (171, 15200), (179, 15242), (189, 15377), (190, 15389), (191, 15398), (200, 15458), (207, 15527), (215, 15560),

Gene: Wilca_24 Start: 12993, Stop: 14771, Start Num: 22

Candidate Starts for Wilca_24:

(Start: 22 @12993 has 11 MA's), (28, 13005), (50, 13350), (62, 13464), (78, 13590), (91, 13656), (97, 13704), (102, 13734), (120, 13947), (135, 14028), (137, 14037), (146, 14115), (148, 14121), (149, 14136), (167, 14280), (170, 14322), (179, 14373), (190, 14520), (191, 14529), (211, 14679), (215, 14691), (223, 14751),

Gene: Xkcd426_14 Start: 14736, Stop: 16433, Start Num: 25

Candidate Starts for Xkcd426_14:

(21, 14721), (Start: 25 @14736 has 12 MA's), (31, 14823), (43, 14970), (49, 15072), (57, 15117), (68, 15210), (70, 15219), (71, 15225), (81, 15282), (89, 15327), (90, 15330), (96, 15369), (102, 15411), (108, 15522), (141, 15771), (142, 15774), (146, 15798), (150, 15831), (156, 15870), (158, 15876), (166, 15939), (168, 15981), (172, 16008), (173, 16011), (178, 16047), (199, 16257), (205, 16320), (208, 16335), (212, 16353),

Gene: YDN12_14 Start: 13688, Stop: 15382, Start Num: 25

Candidate Starts for YDN12_14:

(Start: 25 @13688 has 12 MA's), (27, 13697), (33, 13799), (46, 13955), (52, 14051), (63, 14132), (68, 14177), (70, 14186), (74, 14219), (80, 14246), (81, 14249), (90, 14297), (94, 14330), (95, 14333), (100, 14372), (102, 14378), (104, 14420), (108, 14489), (137, 14669), (144, 14735), (146, 14747), (161, 14867), (166, 14900), (168, 14942), (183, 15059), (191, 15155), (199, 15212), (205, 15275), (207, 15281), (214, 15314), (217, 15338), (222, 15356), (224, 15371),

Gene: Yeti_27 Start: 13790, Stop: 15646, Start Num: 17

Candidate Starts for Yeti_27:

(Start: 17 @13790 has 53 MA's), (64, 14366), (69, 14411), (73, 14447), (85, 14516), (91, 14537), (92, 14540), (95, 14570), (106, 14690), (115, 14771), (131, 14885), (133, 14912), (157, 15101), (170, 15227), (185, 15341), (186, 15356), (192, 15404), (195, 15434), (197, 15446), (200, 15461), (202, 15476), (206, 15527), (210, 15545), (214, 15563),

Gene: Zagie_25 Start: 13996, Stop: 15828, Start Num: 24

Candidate Starts for Zagie_25:

(Start: 24 @13996 has 36 MA's), (28, 14005), (34, 14104), (61, 14470), (75, 14638), (79, 14653), (91, 14713), (97, 14761), (98, 14767), (102, 14791), (110, 14908), (111, 14914), (120, 15007), (135, 15088), (148, 15181), (149, 15196), (154, 15244), (159, 15268), (165, 15316), (167, 15340), (171, 15388), (179, 15430), (189, 15565), (190, 15577), (191, 15586), (200, 15646), (207, 15715), (215, 15748),

Gene: Zapato_26 Start: 13457, Stop: 15301, Start Num: 17

Candidate Starts for Zapato_26:

(Start: 17 @13457 has 53 MA's), (64, 14024), (69, 14069), (73, 14105), (85, 14174), (91, 14195), (92, 14198), (106, 14348), (110, 14387), (133, 14570), (134, 14594), (152, 14732), (157, 14759), (175, 14915), (185, 14999), (186, 15014), (187, 15023), (190, 15050), (192, 15062), (194, 15089), (195, 15092), (202, 15134),

Gene: Zhafia_27 Start: 14319, Stop: 16151, Start Num: 24

Candidate Starts for Zhafia_27:

(Start: 24 @14319 has 36 MA's), (28, 14328), (34, 14427), (61, 14793), (75, 14961), (79, 14976), (91, 15036), (97, 15084), (98, 15090), (102, 15114), (110, 15231), (111, 15237), (120, 15330), (135, 15411), (148, 15504), (149, 15519), (154, 15567), (159, 15591), (165, 15639), (167, 15663), (171, 15711), (179, 15753), (189, 15888), (190, 15900), (191, 15909), (200, 15969), (207, 16038), (215, 16071),