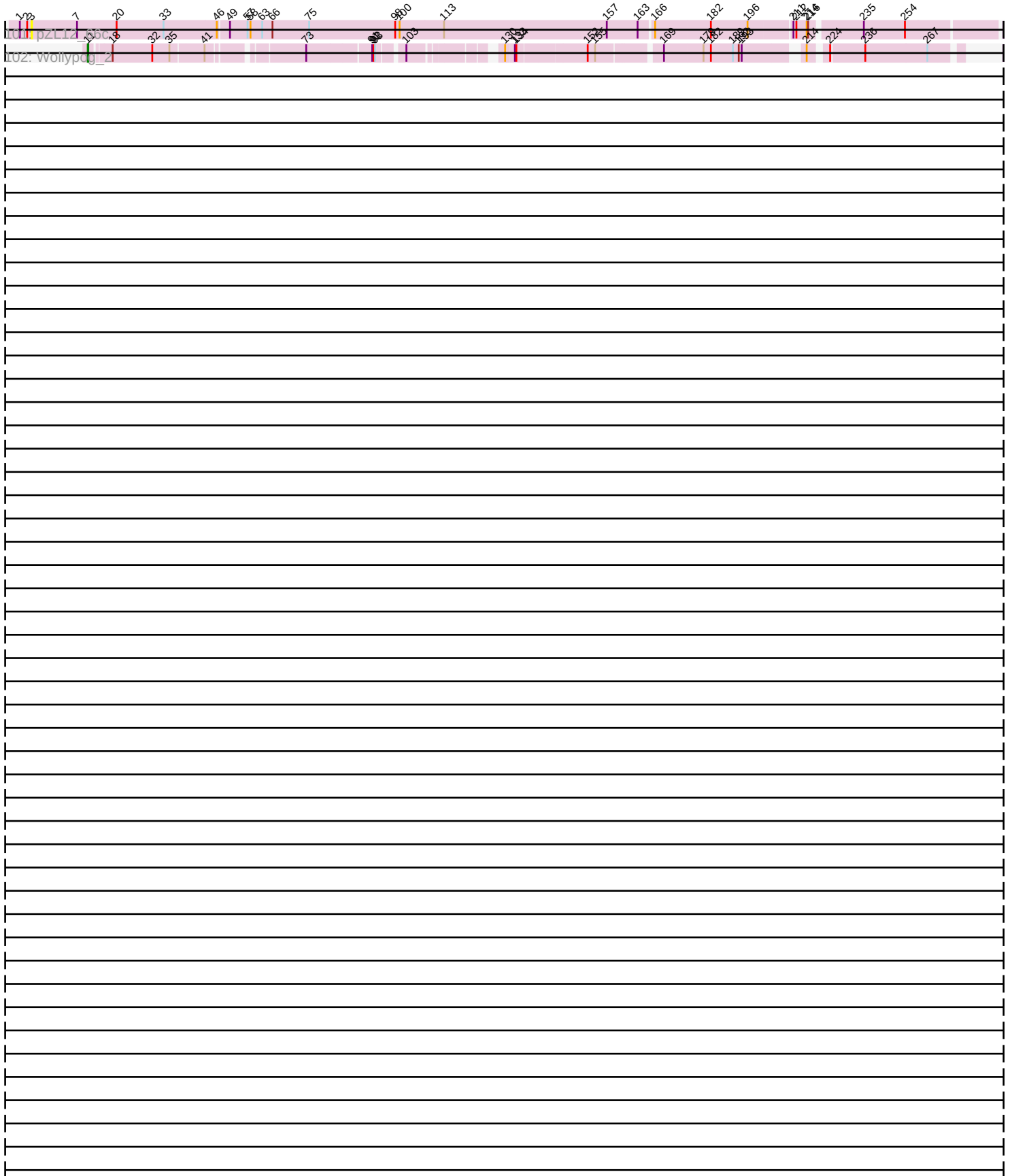


[illegible]

Pham 326750



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 326750 Report

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

Pham number 326750 has 169 members, 17 are drafts.

Phages represented in each track:

- Track 1 : Fowlmouth_3, MrMiyagi_3
- Track 2 : Cuke_3
- Track 3 : Indlulamithi_2
- Track 4 : Onyinye_20, Aikoy_19, Leopard_19
- Track 5 : SirHarley_8, Adjutor_9, Erk16_9, PBI1_9, Gumball_8
- Track 6 : Helpful_9, Delton_9, SuperheroCarly_9, Penelope2018_9, Visconti_9, Thoth_9, PLOT_9, BigMama_8, Chill_9, Prager_9, WaldoWhy_9
- Track 7 : Butterscotch_9
- Track 8 : Nova_9
- Track 9 : Phalaborwa_9
- Track 10 : Mopey_9, Giuseppe_9
- Track 11 : KandZ_9
- Track 12 : Troll4_9
- Track 13 : Hawkeye_10
- Track 14 : BiteSize_2, Djokovic_2, Madi_2, Beyoncage_2, Sienna_2, Terapin_2
- Track 15 : Suzy_2
- Track 16 : LilyPad_2
- Track 17 : LittleFella_2
- Track 18 : Rumi_3, Genamy16_3, Stormer_3, NovaSharks_3, Avian_3, Astralis_3, Alyssamiracle_3, Charminar_3
- Track 19 : Riduram_3
- Track 20 : Zany_3
- Track 21 : Jalebi_3, Lila22_3, Sampudon_3
- Track 22 : Sadboi_3, GretelLyn_3
- Track 23 : DaviePasture_3
- Track 24 : Apeppi_2, LuckyLeo_2
- Track 25 : BirthdayBoy_3
- Track 26 : Rukungu_3
- Track 27 : OtterstedtS21_3
- Track 28 : Nettle_3
- Track 29 : LavAbarElk_3, Pywacket_3
- Track 30 : RazorC_3, Jamemuya19_3
- Track 31 : Rota_3
- Track 32 : Lambo_3
- Track 33 : Ranch_3
- Track 34 : NorManre_3
- Track 35 : Tillicus_3

- Track 36 : Xenia2_3
- Track 37 : Patos_3
- Track 38 : Alephlan_3
- Track 39 : DumpTruck_3
- Track 40 : Yikes_3
- Track 41 : Fulcrum_3, GOATification_3
- Track 42 : DoobyDoo_3
- Track 43 : Mima20_3
- Track 44 : Erutan_3
- Track 45 : Gibbin_3
- Track 46 : ParvusTarda_3
- Track 47 : MoiGyank_3
- Track 48 : Wojtek_3
- Track 49 : NarutoRun_13, Anakin_13
- Track 50 : Cybele_13, Kate_13, OhDear_13, SafetyGuy_13, PhunaPhoke_13, Neptune_13, Artiphact_13, Pharpay_13, Gilda_13, SilentWarrior_12, AnnaSerena_13
- Track 51 : CoolCookie_13, Karate_12
- Track 52 : Tedro_13
- Track 53 : Krampus_13, JingleBells_12
- Track 54 : OverHedge_13, Chivey_12, Annapurna_12, Poultress_12, Hiddenleaf_12
- Track 55 : Rachella_13
- Track 56 : Dauntless_12, Erudite_12
- Track 57 : FreddieHg_12, Haunter_13
- Track 58 : Hager_13
- Track 59 : Bramble_13, Kors_13
- Track 60 : TinyMiny_13
- Track 61 : Potty_13
- Track 62 : DannyDe_12
- Track 63 : Ajin_13
- Track 64 : Snakehole_14
- Track 65 : Rie18_13
- Track 66 : Aesir_12
- Track 67 : Crestdrop_12
- Track 68 : MortySmith_12, JDawG_12
- Track 69 : FountainFog_12
- Track 70 : RikSengupta_13, Sparcetus_13
- Track 71 : Tiggy93_13
- Track 72 : Tongui_12
- Track 73 : LordBart_13
- Track 74 : WinnieLou_13
- Track 75 : Huwbert_36
- Track 76 : Triscuit_35
- Track 77 : Konstantine_7
- Track 78 : Puissant_6
- Track 79 : BobtimousPrime_5, Beckerton_6
- Track 80 : Predator_8
- Track 81 : Damien_5, Nish23_5
- Track 82 : Thumb_5
- Track 83 : Phreeze_5
- Track 84 : Oaker_6
- Track 85 : Cborch11_5
- Track 86 : Megatron06_6
- Track 87 : DrLupo_7, AmandaPanda_7

- Track 88 : Barnyard_7
- Track 89 : Zenon_7, Gimesa_7, Nilo_7, Candle_6, Send513_6
- Track 90 : Riparian_6
- Track 91 : Papyrus_7
- Track 92 : MontyDev_7
- Track 93 : Rope_7
- Track 94 : Weiss13_6
- Track 95 : Yelo_6
- Track 96 : Patience_8
- Track 97 : Demikore_7
- Track 98 : Madruga_6, SuperSonics_8
- Track 99 : Labelle_7
- Track 100 : Shrew_47
- Track 101 : pZL12_66c
- Track 102 : Wollypog_2

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

The start number called the most often in the published annotations is 11, it was called in 95 of the 152 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adjutor_9, Aesir_12, Ajin_13, AmandaPanda_7, Anakin_13, AnnaSerena_13, Annapurna_12, Artiphact_13, Barnyard_7, Beckerton_6, BigMama_8, BobtimousPrime_5, Bramble_13, Butterscotch_9, Candle_6, Chill_9, Chivey_12, CoolCookie_13, Crestdrop_12, Cuke_3, Cybele_13, Damien_5, DannyDe_12, Dauntless_12, Delton_9, Demikore_7, DrLupo_7, Erk16_9, Erudite_12, FountainFog_12, Fowlmouth_3, FreddieHg_12, Gilda_13, Gimesa_7, Giuseppe_9, Gumball_8, Hager_13, Hunter_13, Hawkeye_10, Helpful_9, Hiddenleaf_12, Indlulamithi_2, JDawG_12, JingleBells_12, KandZ_9, Karate_12, Kate_13, Kors_13, Krampus_13, Labelle_7, LordBart_13, Madruga_6, Megatron06_6, MontyDev_7, Mopey_9, MortySmith_12, MrMiyagi_3, NarutoRun_13, Neptune_13, Nilo_7, Nish23_5, Nova_9, Oaker_6, OhDear_13, OverHedge_13, PBI1_9, PLOT_9, Papyrus_7, Patience_8, Penelope2018_9, Phalaborwa_9, Pharpay_13, Phreeze_5, PhunaPhoke_13, Potty_13, Poultruss_12, Prager_9, Predator_8, Puissant_6, Rachella_13, Rie18_13, RikSengupta_13, Riparian_6, Rope_7, SafetyGuy_13, Send513_6, SilentWarrior_12, SirHarley_8, Snakehole_14, Sparcetuss_13, SuperSonics_8, SuperheroCarly_9, Tedro_13, Thoth_9, Thumb_5, Tiggy93_13, TinyMiny_13, Tongui_12, Troll4_9, Visconti_9, WaldoWhy_9, Weiss13_6, WinnieLou_13, Wollypog_2, Yelo_6, Zenon_7,

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

- Cborch11_5,

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

- Aikoy_19, Alephlan_3, Alyssamiracle_3, Apeppi_2, Astralis_3, Avian_3, Beyoncage_2, BirthdayBoy_3, BiteSize_2, Charminar_3, DaviePasture_3, Djokovic_2, DoobyDoo_3, DumpTruck_3, Erutan_3, Fulcrum_3, GOATification_3, Genamy16_3, Gibbin_3, GretellLyn_3, Huwburt_36, Jalebi_3, Jamemuya19_3, Konstantine_7, Lambo_3, LavAbarElk_3, Leopard_19, Lila22_3, LilyPad_2,

LittleFella_2, LuckyLeo_2, Madi_2, Mima20_3, MoiGyank_3, Nettle_3, NorManre_3, NovaSharks_3, Onyinye_20, OtterstedtS21_3, ParvusTarda_3, Patos_3, Pywacket_3, Ranch_3, RazorC_3, Riduram_3, Rota_3, Rukungu_3, Rumi_3, Sadboi_3, Sampudon_3, Shrew_47, Sienna_2, Stormer_3, Suzy_2, Terapin_2, Tillicus_3, Triscuit_35, Wojtek_3, Xenia2_3, Yikes_3, Zany_3, pZL12_66c,

Summary by start number:

Start 3:

- Found in 1 of 169 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: pZL12_66c (singleton),

Start 5:

- Found in 11 of 169 (6.5%) of genes in pham
- Manual Annotations of this start: 1 of 152
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Cborch11_5 (H1),

Start 8:

- Found in 48 of 169 (28.4%) of genes in pham
- Manual Annotations of this start: 43 of 152
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikoy_19 (AE), Alephilan_3 (DV), Alyssamiracle_3 (DV), Apeppi_2 (DV), Astralis_3 (DV), Avian_3 (DV), BirthdayBoy_3 (DV), Charminar_3 (DV), DaviePasture_3 (DV), DoobyDoo_3 (DV), DumpTruck_3 (DV), Erutan_3 (DV), Fulcrum_3 (DV), GOATification_3 (DV), Genamy16_3 (DV), Gibbin_3 (DV), GretelLyn_3 (DV), Jalebi_3 (DV), Jamemuya19_3 (DV), Lambo_3 (DV), LavAbarElk_3 (DV), Leopard_19 (AE), Lila22_3 (DV), LuckyLeo_2 (DV), Mima20_3 (DV), MoiGyank_3 (DV), Nettle_3 (DV), NorManre_3 (DV), NovaSharks_3 (DV), Onyinye_20 (AE), OtterstedtS21_3 (DV), ParvusTarda_3 (DV), Patos_3 (DV), Pywacket_3 (DV), Ranch_3 (DV), RazorC_3 (DV), Riduram_3 (DV), Rota_3 (DV), Rukungu_3 (DV), Rumi_3 (DV), Sadboi_3 (DV), Sampudon_3 (DV), Stormer_3 (DV), Tillicus_3 (DV), Wojtek_3 (DV), Xenia2_3 (DV), Yikes_3 (DV), Zany_3 (DV),

Start 9:

- Found in 9 of 169 (5.3%) of genes in pham
- Manual Annotations of this start: 9 of 152
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beyoncage_2 (DG1), BiteSize_2 (DG1), Djokovic_2 (DG1), LilyPad_2 (DG1), LittleFella_2 (DG2), Madi_2 (DG1), Sienna_2 (DG1), Suzy_2 (DG1), Terapin_2 (DG1),

Start 10:

- Found in 1 of 169 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 152
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Konstantine_7 (H1),

Start 11:

- Found in 107 of 169 (63.3%) of genes in pham
- Manual Annotations of this start: 95 of 152

- Called 99.1% of time when present
- Phage (with cluster) where this start called: Adjutor_9 (D1), Aesir_12 (EF), Ajin_13 (EF), AmandaPanda_7 (H2), Anakin_13 (EF), AnnaSerena_13 (EF), Annapurna_12 (EF), Artiphact_13 (EF), Barnyard_7 (H2), Beckerton_6 (H1), BigMama_8 (D1), BobtimousPrime_5 (H1), Bramble_13 (EF), Butterscotch_9 (D1), Candle_6 (R), Chill_9 (D1), Chivey_12 (EF), CoolCookie_13 (EF), Crestdrop_12 (EF), Cuke_3 (AC), Cybele_13 (EF), Damien_5 (H1), DannyDe_12 (EF), Dauntless_12 (EF), Delton_9 (D1), Demikore_7 (U), DrLupo_7 (H2), Erk16_9 (D1), Erudite_12 (EF), FountainFog_12 (EF), Fowlmouth_3 (AC), FreddieHg_12 (EF), Gilda_13 (EF), Gimesa_7 (R), Giuseppe_9 (D1), Gumball_8 (D1), Hager_13 (EF), Haunter_13 (EF), Hawkeye_10 (D2), Helpful_9 (D1), HiddenLeaf_12 (EF), Indlulamithi_2 (AC), JDawG_12 (EF), JingleBells_12 (EF), KandZ_9 (D1), Karate_12 (EF), Kate_13 (EF), Kors_13 (EF), Krampus_13 (EF), Labelle_7 (U), LordBart_13 (EF), Madruga_6 (U), Megatron06_6 (H1), MontyDev_7 (R), Mopey_9 (D1), MortySmith_12 (EF), MrMiyagi_3 (AC), NarutoRun_13 (EF), Neptune_13 (EF), Nilo_7 (R), Nish23_5 (H1), Nova_9 (D1), Oaker_6 (H1), OhDear_13 (EF), OverHedge_13 (EF), PBI1_9 (D1), PLOT_9 (D1), Papyrus_7 (R), Patience_8 (U), Penelope2018_9 (D1), Phalaborwa_9 (D1), Pharpay_13 (EF), Phreeze_5 (H1), PhunaPhoke_13 (EF), Potty_13 (EF), Poultress_12 (EF), Prager_9 (D1), Predator_8 (H1), Puissant_6 (H1), Rachella_13 (EF), Rie18_13 (EF), RikSengupta_13 (EF), Riparian_6 (R), Rope_7 (R), SafetyGuy_13 (EF), Send513_6 (R), SilentWarrior_12 (EF), SirHarley_8 (D1), Snakehole_14 (EF), Sparcetus_13 (EF), SuperSonics_8 (U), SuperheroCarly_9 (D1), Tedro_13 (EF), Thoth_9 (D1), Thumb_5 (H1), Tiggy93_13 (EF), TinyMiny_13 (EF), Tongui_12 (EF), Troll4_9 (D1), Visconti_9 (D1), WaldoWhy_9 (D1), Weiss13_6 (R), WinnieLou_13 (EF), Wollypog_2 (singleton), Yelo_6 (R), Zenon_7 (R),

Start 12:

- Found in 2 of 169 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 152
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Huwbert_36 (GG), Triscuit_35 (GG),

Start 14:

- Found in 1 of 169 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 152
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shrew_47 (singleton),

Summary by clusters:

There are 14 clusters represented in this pham: DG2, singleton, H1, AE, H2, EF, AC, GG, R, U, DV, DG1, D2, D1,

Info for manual annotations of cluster AC:

- Start number 11 was manually annotated 4 times for cluster AC.

Info for manual annotations of cluster AE:

- Start number 8 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster D1:

- Start number 11 was manually annotated 22 times for cluster D1.

Info for manual annotations of cluster D2:

- Start number 11 was manually annotated 1 time for cluster D2.

Info for manual annotations of cluster DG1:

- Start number 9 was manually annotated 8 times for cluster DG1.

Info for manual annotations of cluster DG2:

- Start number 9 was manually annotated 1 time for cluster DG2.

Info for manual annotations of cluster DV:

- Start number 8 was manually annotated 40 times for cluster DV.

Info for manual annotations of cluster EF:

- Start number 11 was manually annotated 43 times for cluster EF.

Info for manual annotations of cluster GG:

- Start number 12 was manually annotated 2 times for cluster GG.

Info for manual annotations of cluster H1:

- Start number 5 was manually annotated 1 time for cluster H1.
- Start number 10 was manually annotated 1 time for cluster H1.
- Start number 11 was manually annotated 9 times for cluster H1.

Info for manual annotations of cluster H2:

- Start number 11 was manually annotated 2 times for cluster H2.

Info for manual annotations of cluster R:

- Start number 11 was manually annotated 10 times for cluster R.

Info for manual annotations of cluster U:

- Start number 11 was manually annotated 3 times for cluster U.

Gene Information:

Gene: Adjutor_9 Start: 6328, Stop: 7914, Start Num: 11

Candidate Starts for Adjutor_9:

(Start: 11 @6328 has 95 MA's), (32, 6451), (34, 6481), (36, 6487), (38, 6526), (42, 6559), (74, 6706), (79, 6757), (82, 6766), (88, 6817), (90, 6826), (92, 6832), (93, 6835), (107, 6901), (137, 7084), (139, 7111), (140, 7120), (144, 7156), (148, 7180), (150, 7201), (151, 7204), (159, 7267), (160, 7270), (163, 7297), (172, 7372), (175, 7393), (181, 7432), (182, 7435), (201, 7531), (206, 7558), (210, 7588), (229, 7681), (231, 7687), (245, 7744), (271, 7846), (279, 7909),

Gene: Aesir_12 Start: 4606, Stop: 6207, Start Num: 11

Candidate Starts for Aesir_12:

(Start: 11 @4606 has 95 MA's), (17, 4639), (32, 4729), (35, 4762), (47, 4864), (50, 4873), (69, 4990), (77, 5029), (95, 5161), (97, 5164), (102, 5191), (115, 5284), (144, 5464), (145, 5467), (153, 5518), (155, 5530), (158, 5557), (170, 5662), (174, 5692), (179, 5731), (184, 5755), (201, 5842), (203, 5854), (214, 5911), (229, 5983), (247, 6055),

Gene: Aikoy_19 Start: 11889, Stop: 13550, Start Num: 8

Candidate Starts for Aikoy_19:

(Start: 8 @11889 has 43 MA's), (38, 12096), (56, 12195), (63, 12225), (66, 12246), (68, 12285), (70, 12297), (72, 12303), (82, 12378), (85, 12411), (93, 12444), (104, 12507), (110, 12534), (116, 12603), (120, 12639), (122, 12645), (131, 12672), (136, 12696), (147, 12786), (149, 12813), (165, 12924), (169, 12960), (175, 13011), (177, 13023), (178, 13029), (181, 13050), (182, 13053), (201, 13149), (204, 13164), (216, 13221), (224, 13248), (243, 13338), (258, 13389), (263, 13401), (275, 13461), (277, 13473),

Gene: Ajin_13 Start: 4650, Stop: 6251, Start Num: 11

Candidate Starts for Ajin_13:

(Start: 11 @4650 has 95 MA's), (17, 4689), (21, 4707), (29, 4749), (32, 4776), (35, 4809), (62, 4977), (63, 4980), (69, 5037), (77, 5076), (79, 5118), (88, 5181), (96, 5211), (102, 5244), (111, 5295), (114, 5331), (122, 5391), (153, 5565), (155, 5577), (167, 5691), (172, 5730), (177, 5763), (179, 5778), (194, 5859), (201, 5889), (203, 5901), (229, 6030), (239, 6072), (241, 6078),

Gene: Alephilan_3 Start: 1709, Stop: 3340, Start Num: 8

Candidate Starts for Alephilan_3:

(Start: 8 @1709 has 43 MA's), (54, 2027), (59, 2051), (71, 2135), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (240, 3134), (256, 3194), (260, 3206), (270, 3242), (283, 3332),

Gene: Alyssamiracle_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Alyssamiracle_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: AmandaPanda_7 Start: 4322, Stop: 6010, Start Num: 11

Candidate Starts for AmandaPanda_7:

(Start: 11 @4322 has 95 MA's), (34, 4469), (38, 4505), (63, 4616), (71, 4685), (92, 4820), (136, 5075), (137, 5081), (142, 5135), (143, 5144), (155, 5219), (162, 5291), (169, 5351), (172, 5381), (201, 5543), (202, 5546), (203, 5555), (208, 5576), (221, 5666), (224, 5690), (229, 5726), (234, 5747), (237, 5762), (260, 5852), (261, 5855), (268, 5885), (270, 5891), (286, 5999),

Gene: Anakin_13 Start: 4820, Stop: 6421, Start Num: 11

Candidate Starts for Anakin_13:

(Start: 11 @4820 has 95 MA's), (17, 4853), (32, 4943), (35, 4976), (47, 5078), (50, 5087), (69, 5204), (77, 5243), (95, 5375), (97, 5378), (115, 5498), (144, 5678), (145, 5681), (153, 5732), (155, 5744), (158, 5771), (170, 5876), (174, 5906), (179, 5945), (180, 5951), (184, 5969), (201, 6056), (203, 6068), (205, 6080), (214, 6125), (229, 6197), (247, 6269),

Gene: AnnaSerena_13 Start: 4817, Stop: 6418, Start Num: 11

Candidate Starts for AnnaSerena_13:

(Start: 11 @4817 has 95 MA's), (17, 4850), (32, 4940), (35, 4973), (47, 5075), (50, 5084), (69, 5201), (95, 5372), (97, 5375), (102, 5402), (115, 5495), (144, 5675), (145, 5678), (153, 5729), (155, 5741), (158, 5768), (170, 5873), (174, 5903), (179, 5942), (184, 5966), (203, 6065), (214, 6122), (229, 6194), (247, 6266),

Gene: Annapurna_12 Start: 4550, Stop: 6151, Start Num: 11

Candidate Starts for Annapurna_12:

(Start: 11 @4550 has 95 MA's), (17, 4583), (32, 4673), (35, 4706), (47, 4808), (50, 4817), (69, 4934), (95, 5105), (97, 5108), (102, 5135), (115, 5228), (144, 5408), (145, 5411), (153, 5462), (155, 5474),

(158, 5501), (170, 5606), (174, 5636), (179, 5675), (180, 5681), (203, 5798), (214, 5855), (229, 5927), (247, 5999),

Gene: Apeppi_2 Start: 1553, Stop: 3178, Start Num: 8

Candidate Starts for Apeppi_2:

(Start: 8 @1553 has 43 MA's), (41, 1793), (59, 1895), (67, 1943), (71, 1979), (110, 2195), (135, 2342), (144, 2423), (149, 2462), (150, 2468), (151, 2471), (152, 2474), (155, 2489), (158, 2516), (161, 2549), (163, 2564), (173, 2645), (179, 2687), (186, 2717), (187, 2735), (188, 2741), (195, 2774), (203, 2810), (207, 2828), (219, 2882), (224, 2900), (226, 2906), (229, 2936), (240, 2978), (246, 3002), (260, 3050), (266, 3071), (277, 3128),

Gene: Artiphact_13 Start: 4809, Stop: 6410, Start Num: 11

Candidate Starts for Artiphact_13:

(Start: 11 @4809 has 95 MA's), (17, 4842), (32, 4932), (35, 4965), (47, 5067), (50, 5076), (69, 5193), (95, 5364), (97, 5367), (102, 5394), (115, 5487), (144, 5667), (145, 5670), (153, 5721), (155, 5733), (158, 5760), (170, 5865), (174, 5895), (179, 5934), (184, 5958), (203, 6057), (214, 6114), (229, 6186), (247, 6258),

Gene: Astralis_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Astralis_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: Avian_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Avian_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: Barnyard_7 Start: 4414, Stop: 6105, Start Num: 11

Candidate Starts for Barnyard_7:

(Start: 11 @4414 has 95 MA's), (34, 4561), (38, 4597), (53, 4675), (71, 4777), (79, 4846), (86, 4897), (87, 4900), (92, 4912), (95, 4924), (111, 5008), (142, 5227), (143, 5236), (155, 5311), (162, 5383), (164, 5392), (170, 5452), (172, 5473), (182, 5539), (183, 5545), (198, 5626), (200, 5632), (202, 5638), (206, 5662), (208, 5668), (218, 5740), (221, 5755), (224, 5779), (229, 5815), (231, 5821), (234, 5836), (237, 5851), (248, 5896), (260, 5941), (263, 5947), (272, 5989),

Gene: Beckerton_6 Start: 4407, Stop: 6020, Start Num: 11

Candidate Starts for Beckerton_6:

(Start: 5 @4359 has 1 MA's), (Start: 11 @4407 has 95 MA's), (15, 4431), (26, 4479), (45, 4641), (60, 4701), (61, 4707), (74, 4800), (76, 4806), (92, 4926), (95, 4938), (106, 4998), (121, 5103), (128, 5133), (142, 5229), (152, 5298), (154, 5307), (155, 5313), (160, 5364), (163, 5391), (167, 5427), (169, 5436), (172, 5466), (174, 5475), (179, 5517), (182, 5532), (185, 5544), (189, 5577), (197, 5613), (198, 5619), (202, 5631), (203, 5640), (208, 5661), (210, 5685), (224, 5730), (228, 5763), (229, 5766), (230, 5769), (237, 5802), (240, 5808), (250, 5850), (251, 5856), (255, 5868), (267, 5907), (284, 6006), (286, 6012),

Gene: Beyoncage_2 Start: 1538, Stop: 3241, Start Num: 9

Candidate Starts for Beyoncage_2:

(Start: 9 @1538 has 9 MA's), (24, 1619), (27, 1640), (32, 1676), (38, 1748), (40, 1769), (41, 1778), (63, 1871), (65, 1877), (67, 1904), (108, 2177), (113, 2225), (119, 2276), (128, 2324), (147, 2450), (152,

2489), (164, 2582), (175, 2675), (202, 2816), (203, 2825), (205, 2837), (223, 2903), (224, 2915),

Gene: BigMama_8 Start: 6404, Stop: 7987, Start Num: 11

Candidate Starts for BigMama_8:

(Start: 11 @6404 has 95 MA's), (32, 6527), (34, 6557), (36, 6563), (38, 6602), (42, 6635), (74, 6782), (79, 6833), (82, 6842), (88, 6893), (90, 6902), (92, 6908), (93, 6911), (107, 6977), (137, 7160), (139, 7187), (140, 7196), (144, 7232), (148, 7256), (150, 7277), (151, 7280), (159, 7343), (160, 7346), (163, 7373), (172, 7448), (175, 7469), (181, 7508), (182, 7511), (201, 7607), (206, 7634), (210, 7664), (228, 7754), (229, 7757), (245, 7820), (271, 7922), (279, 7982),

Gene: BirthdayBoy_3 Start: 1709, Stop: 3328, Start Num: 8

Candidate Starts for BirthdayBoy_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (203, 2966), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206),

Gene: BiteSize_2 Start: 1538, Stop: 3241, Start Num: 9

Candidate Starts for BiteSize_2:

(Start: 9 @1538 has 9 MA's), (24, 1619), (27, 1640), (32, 1676), (38, 1748), (40, 1769), (41, 1778), (63, 1871), (65, 1877), (67, 1904), (108, 2177), (113, 2225), (119, 2276), (128, 2324), (147, 2450), (152, 2489), (164, 2582), (175, 2675), (202, 2816), (203, 2825), (205, 2837), (223, 2903), (224, 2915),

Gene: BobtimousPrime_5 Start: 3872, Stop: 5485, Start Num: 11

Candidate Starts for BobtimousPrime_5:

(Start: 5 @3824 has 1 MA's), (Start: 11 @3872 has 95 MA's), (15, 3896), (26, 3944), (45, 4106), (60, 4166), (61, 4172), (74, 4265), (76, 4271), (92, 4391), (95, 4403), (106, 4463), (121, 4568), (128, 4598), (142, 4694), (152, 4763), (154, 4772), (155, 4778), (160, 4829), (163, 4856), (167, 4892), (169, 4901), (172, 4931), (174, 4940), (179, 4982), (182, 4997), (185, 5009), (189, 5042), (197, 5078), (198, 5084), (202, 5096), (203, 5105), (208, 5126), (210, 5150), (224, 5195), (228, 5228), (229, 5231), (230, 5234), (237, 5267), (240, 5273), (250, 5315), (251, 5321), (255, 5333), (267, 5372), (284, 5471), (286, 5477),

Gene: Bramble_13 Start: 4617, Stop: 6218, Start Num: 11

Candidate Starts for Bramble_13:

(Start: 11 @4617 has 95 MA's), (17, 4656), (21, 4674), (29, 4716), (32, 4743), (35, 4776), (62, 4944), (63, 4947), (69, 5004), (77, 5043), (79, 5085), (88, 5148), (96, 5178), (102, 5211), (114, 5298), (122, 5358), (153, 5532), (155, 5544), (168, 5661), (172, 5697), (177, 5730), (179, 5745), (194, 5826), (201, 5856), (203, 5868), (229, 5997), (239, 6039), (241, 6045),

Gene: Butterscotch_9 Start: 6391, Stop: 7974, Start Num: 11

Candidate Starts for Butterscotch_9:

(Start: 11 @6391 has 95 MA's), (32, 6514), (34, 6544), (38, 6589), (42, 6622), (74, 6769), (79, 6820), (82, 6829), (88, 6880), (90, 6889), (92, 6895), (93, 6898), (107, 6964), (137, 7147), (139, 7174), (140, 7183), (148, 7243), (150, 7264), (151, 7267), (159, 7330), (160, 7333), (163, 7360), (172, 7435), (175, 7456), (180, 7489), (181, 7495), (182, 7498), (201, 7594), (206, 7621), (210, 7651), (228, 7741), (229, 7744), (245, 7807), (271, 7909), (279, 7969),

Gene: Candle_6 Start: 3650, Stop: 5191, Start Num: 11

Candidate Starts for Candle_6:

(Start: 11 @3650 has 95 MA's), (26, 3734), (29, 3749), (36, 3812), (71, 4007), (82, 4085), (88, 4127), (93, 4145), (95, 4154), (105, 4205), (123, 4319), (124, 4328), (128, 4340), (137, 4382), (142, 4436), (151, 4502), (155, 4520), (156, 4526), (163, 4595), (164, 4598), (169, 4640), (170, 4649), (172, 4670), (174, 4679), (179, 4718), (183, 4739), (189, 4778), (209, 4868), (220, 4916), (224, 4931), (228, 4964),

(242, 5018), (269, 5099), (287, 5186),

Gene: Cborch11_5 Start: 3824, Stop: 5485, Start Num: 5

Candidate Starts for Cborch11_5:

(Start: 5 @3824 has 1 MA's), (Start: 11 @3872 has 95 MA's), (15, 3896), (26, 3944), (45, 4106), (60, 4166), (61, 4172), (74, 4265), (76, 4271), (92, 4391), (95, 4403), (106, 4463), (118, 4550), (121, 4568), (128, 4598), (142, 4694), (152, 4763), (154, 4772), (155, 4778), (160, 4829), (163, 4856), (167, 4892), (169, 4901), (172, 4931), (174, 4940), (179, 4982), (182, 4997), (185, 5009), (189, 5042), (197, 5078), (198, 5084), (202, 5096), (203, 5105), (208, 5126), (210, 5150), (224, 5195), (228, 5228), (229, 5231), (230, 5234), (237, 5267), (240, 5273), (250, 5315), (251, 5321), (255, 5333), (267, 5372), (284, 5471), (286, 5477),

Gene: Charminar_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Charminar_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: Chill_9 Start: 6394, Stop: 7977, Start Num: 11

Candidate Starts for Chill_9:

(Start: 11 @6394 has 95 MA's), (32, 6517), (34, 6547), (36, 6553), (38, 6592), (42, 6625), (74, 6772), (79, 6823), (82, 6832), (88, 6883), (90, 6892), (92, 6898), (93, 6901), (107, 6967), (137, 7150), (139, 7177), (140, 7186), (144, 7222), (148, 7246), (150, 7267), (151, 7270), (159, 7333), (160, 7336), (163, 7363), (172, 7438), (175, 7459), (181, 7498), (182, 7501), (201, 7597), (206, 7624), (210, 7654), (228, 7744), (229, 7747), (245, 7810), (271, 7912), (279, 7972),

Gene: Chivey_12 Start: 4543, Stop: 6144, Start Num: 11

Candidate Starts for Chivey_12:

(Start: 11 @4543 has 95 MA's), (17, 4576), (32, 4666), (35, 4699), (47, 4801), (50, 4810), (69, 4927), (95, 5098), (97, 5101), (102, 5128), (115, 5221), (144, 5401), (145, 5404), (153, 5455), (155, 5467), (158, 5494), (170, 5599), (174, 5629), (179, 5668), (180, 5674), (203, 5791), (214, 5848), (229, 5920), (247, 5992),

Gene: CoolCookie_13 Start: 4812, Stop: 6413, Start Num: 11

Candidate Starts for CoolCookie_13:

(Start: 11 @4812 has 95 MA's), (17, 4845), (32, 4935), (35, 4968), (47, 5070), (50, 5079), (69, 5196), (95, 5367), (97, 5370), (102, 5397), (115, 5490), (144, 5670), (145, 5673), (153, 5724), (155, 5736), (158, 5763), (170, 5868), (174, 5898), (179, 5937), (184, 5961), (201, 6048), (203, 6060), (214, 6117), (229, 6189), (247, 6261),

Gene: Crestdrop_12 Start: 4416, Stop: 6017, Start Num: 11

Candidate Starts for Crestdrop_12:

(Start: 11 @4416 has 95 MA's), (17, 4449), (32, 4539), (35, 4572), (47, 4674), (50, 4683), (69, 4800), (95, 4971), (97, 4974), (102, 5001), (115, 5094), (144, 5274), (145, 5277), (153, 5328), (155, 5340), (158, 5367), (170, 5472), (174, 5502), (179, 5541), (184, 5565), (203, 5664), (213, 5712), (214, 5721), (220, 5736), (229, 5793), (241, 5841), (247, 5865),

Gene: Cuke_3 Start: 1876, Stop: 3432, Start Num: 11

Candidate Starts for Cuke_3:

(4, 1795), (Start: 5 @1828 has 1 MA's), (6, 1849), (Start: 11 @1876 has 95 MA's), (26, 1960), (29, 1975), (36, 2038), (38, 2068), (64, 2167), (70, 2230), (93, 2380), (128, 2557), (131, 2569), (143, 2662), (147, 2683), (148, 2695), (151, 2719), (161, 2800), (174, 2899), (175, 2914), (178, 2929), (179, 2938),

(183, 2959), (185, 2965), (187, 2986), (189, 2998), (209, 3088), (210, 3106), (224, 3151), (226, 3157), (231, 3193), (234, 3208), (253, 3286), (284, 3415), (285, 3418), (286, 3421),

Gene: Cybele_13 Start: 4785, Stop: 6386, Start Num: 11

Candidate Starts for Cybele_13:

(Start: 11 @4785 has 95 MA's), (17, 4818), (32, 4908), (35, 4941), (47, 5043), (50, 5052), (69, 5169), (95, 5340), (97, 5343), (102, 5370), (115, 5463), (144, 5643), (145, 5646), (153, 5697), (155, 5709), (158, 5736), (170, 5841), (174, 5871), (179, 5910), (184, 5934), (203, 6033), (214, 6090), (229, 6162), (247, 6234),

Gene: Damien_5 Start: 3872, Stop: 5485, Start Num: 11

Candidate Starts for Damien_5:

(Start: 5 @3824 has 1 MA's), (Start: 11 @3872 has 95 MA's), (15, 3896), (26, 3944), (45, 4106), (60, 4166), (61, 4172), (74, 4265), (76, 4271), (92, 4391), (95, 4403), (106, 4463), (118, 4550), (121, 4568), (128, 4598), (142, 4694), (152, 4763), (154, 4772), (155, 4778), (160, 4829), (163, 4856), (167, 4892), (169, 4901), (172, 4931), (174, 4940), (179, 4982), (182, 4997), (185, 5009), (189, 5042), (197, 5078), (198, 5084), (202, 5096), (203, 5105), (208, 5126), (210, 5150), (224, 5195), (228, 5228), (229, 5231), (230, 5234), (237, 5267), (240, 5273), (250, 5315), (251, 5321), (255, 5333), (267, 5372), (284, 5471), (286, 5477),

Gene: DannyDe_12 Start: 4534, Stop: 6135, Start Num: 11

Candidate Starts for DannyDe_12:

(Start: 11 @4534 has 95 MA's), (17, 4567), (32, 4657), (35, 4690), (47, 4792), (50, 4801), (69, 4918), (95, 5089), (97, 5092), (102, 5119), (115, 5212), (144, 5392), (145, 5395), (153, 5446), (155, 5458), (158, 5485), (170, 5590), (174, 5620), (179, 5659), (180, 5665), (184, 5683), (202, 5773), (203, 5782), (214, 5839), (225, 5875), (229, 5911), (247, 5983),

Gene: Dauntless_12 Start: 4535, Stop: 6136, Start Num: 11

Candidate Starts for Dauntless_12:

(Start: 11 @4535 has 95 MA's), (17, 4568), (32, 4658), (35, 4691), (47, 4793), (50, 4802), (69, 4919), (95, 5090), (97, 5093), (102, 5120), (115, 5213), (144, 5393), (145, 5396), (153, 5447), (155, 5459), (158, 5486), (170, 5591), (174, 5621), (179, 5660), (180, 5666), (184, 5684), (201, 5771), (203, 5783), (214, 5840), (229, 5912), (247, 5984),

Gene: DaviePasture_3 Start: 1709, Stop: 3334, Start Num: 8

Candidate Starts for DaviePasture_3:

(Start: 8 @1709 has 43 MA's), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (240, 3134), (246, 3158), (260, 3206), (266, 3227), (277, 3284),

Gene: Delton_9 Start: 6400, Stop: 7983, Start Num: 11

Candidate Starts for Delton_9:

(Start: 11 @6400 has 95 MA's), (32, 6523), (34, 6553), (36, 6559), (38, 6598), (42, 6631), (74, 6778), (79, 6829), (82, 6838), (88, 6889), (90, 6898), (92, 6904), (93, 6907), (107, 6973), (137, 7156), (139, 7183), (140, 7192), (144, 7228), (148, 7252), (150, 7273), (151, 7276), (159, 7339), (160, 7342), (163, 7369), (172, 7444), (175, 7465), (181, 7504), (182, 7507), (201, 7603), (206, 7630), (210, 7660), (228, 7750), (229, 7753), (245, 7816), (271, 7918), (279, 7978),

Gene: Demikore_7 Start: 4313, Stop: 5941, Start Num: 11

Candidate Starts for Demikore_7:

(Start: 11 @4313 has 95 MA's), (16, 4343), (38, 4493), (71, 4670), (81, 4742), (95, 4817), (121, 4982), (125, 5012), (131, 5033), (134, 5051), (155, 5201), (159, 5249), (170, 5333), (172, 5354), (175, 5375),

(183, 5423), (188, 5456), (191, 5471), (203, 5525), (208, 5546), (218, 5594), (222, 5612), (224, 5633), (231, 5675), (237, 5705), (242, 5720), (244, 5729), (252, 5771), (261, 5795), (263, 5798), (270, 5831), (286, 5930),

Gene: Djokovic_2 Start: 1538, Stop: 3241, Start Num: 9

Candidate Starts for Djokovic_2:

(Start: 9 @1538 has 9 MA's), (24, 1619), (27, 1640), (32, 1676), (38, 1748), (40, 1769), (41, 1778), (63, 1871), (65, 1877), (67, 1904), (108, 2177), (113, 2225), (119, 2276), (128, 2324), (147, 2450), (152, 2489), (164, 2582), (175, 2675), (202, 2816), (203, 2825), (205, 2837), (223, 2903), (224, 2915),

Gene: DoobyDoo_3 Start: 1706, Stop: 3328, Start Num: 8

Candidate Starts for DoobyDoo_3:

(Start: 8 @1706 has 43 MA's), (41, 1946), (59, 2048), (110, 2348), (128, 2462), (135, 2495), (144, 2576), (149, 2615), (150, 2621), (151, 2624), (152, 2627), (155, 2642), (158, 2669), (161, 2702), (169, 2762), (170, 2771), (173, 2798), (174, 2801), (179, 2840), (186, 2870), (187, 2888), (188, 2894), (195, 2927), (203, 2963), (207, 2981), (224, 3053), (226, 3059), (229, 3089), (231, 3095), (240, 3131), (260, 3203),

Gene: DrLupo_7 Start: 4322, Stop: 6010, Start Num: 11

Candidate Starts for DrLupo_7:

(Start: 11 @4322 has 95 MA's), (34, 4469), (38, 4505), (63, 4616), (71, 4685), (92, 4820), (136, 5075), (137, 5081), (142, 5135), (143, 5144), (155, 5219), (162, 5291), (169, 5351), (172, 5381), (201, 5543), (202, 5546), (203, 5555), (208, 5576), (221, 5666), (224, 5690), (229, 5726), (234, 5747), (237, 5762), (260, 5852), (261, 5855), (268, 5885), (270, 5891), (286, 5999),

Gene: DumpTruck_3 Start: 1712, Stop: 3340, Start Num: 8

Candidate Starts for DumpTruck_3:

(Start: 8 @1712 has 43 MA's), (37, 1910), (54, 2030), (59, 2054), (67, 2102), (71, 2138), (109, 2351), (147, 2594), (152, 2633), (155, 2648), (167, 2759), (169, 2768), (173, 2804), (179, 2846), (185, 2873), (188, 2900), (195, 2933), (203, 2969), (214, 3029), (218, 3038), (224, 3059), (226, 3065), (240, 3137), (243, 3152), (246, 3161), (260, 3209), (277, 3287),

Gene: Erk16_9 Start: 6400, Stop: 7983, Start Num: 11

Candidate Starts for Erk16_9:

(Start: 11 @6400 has 95 MA's), (32, 6523), (34, 6553), (36, 6559), (38, 6598), (42, 6631), (74, 6778), (79, 6829), (82, 6838), (88, 6889), (90, 6898), (92, 6904), (93, 6907), (107, 6973), (137, 7156), (139, 7183), (140, 7192), (144, 7228), (148, 7252), (150, 7273), (151, 7276), (159, 7339), (160, 7342), (163, 7369), (172, 7444), (175, 7465), (181, 7504), (182, 7507), (201, 7603), (206, 7630), (210, 7660), (229, 7753), (231, 7759), (245, 7816), (271, 7918), (279, 7978),

Gene: Erudite_12 Start: 4535, Stop: 6136, Start Num: 11

Candidate Starts for Erudite_12:

(Start: 11 @4535 has 95 MA's), (17, 4568), (32, 4658), (35, 4691), (47, 4793), (50, 4802), (69, 4919), (95, 5090), (97, 5093), (102, 5120), (115, 5213), (144, 5393), (145, 5396), (153, 5447), (155, 5459), (158, 5486), (170, 5591), (174, 5621), (179, 5660), (180, 5666), (184, 5684), (201, 5771), (203, 5783), (214, 5840), (229, 5912), (247, 5984),

Gene: Erutan_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Erutan_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206),

Gene: FountainFog_12 Start: 4542, Stop: 6143, Start Num: 11

Candidate Starts for FountainFog_12:

(Start: 11 @4542 has 95 MA's), (17, 4575), (32, 4665), (35, 4698), (43, 4773), (50, 4809), (79, 5007), (88, 5070), (97, 5100), (115, 5220), (144, 5400), (145, 5403), (153, 5454), (155, 5466), (158, 5493), (164, 5547), (170, 5598), (174, 5628), (179, 5667), (184, 5691), (203, 5790), (214, 5847), (229, 5919), (247, 5991),

Gene: Fowlmouth_3 Start: 1861, Stop: 3411, Start Num: 11

Candidate Starts for Fowlmouth_3:

(Start: 11 @1861 has 95 MA's), (26, 1945), (36, 2023), (43, 2095), (64, 2152), (73, 2233), (131, 2554), (143, 2647), (148, 2680), (151, 2704), (152, 2707), (154, 2716), (165, 2809), (174, 2884), (175, 2899), (179, 2923), (187, 2971), (189, 2983), (197, 3019), (205, 3058), (210, 3091), (224, 3136), (235, 3199), (284, 3394), (285, 3397),

Gene: FreddieHg_12 Start: 4556, Stop: 6157, Start Num: 11

Candidate Starts for FreddieHg_12:

(Start: 11 @4556 has 95 MA's), (17, 4589), (32, 4679), (35, 4712), (47, 4814), (50, 4823), (69, 4940), (95, 5111), (97, 5114), (102, 5141), (115, 5234), (144, 5414), (145, 5417), (153, 5468), (155, 5480), (158, 5507), (170, 5612), (174, 5642), (179, 5681), (180, 5687), (184, 5705), (203, 5804), (214, 5861), (229, 5933), (241, 5981), (247, 6005),

Gene: Fulcrum_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Fulcrum_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (270, 3242),

Gene: GOATification_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for GOATification_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (270, 3242),

Gene: Genamy16_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Genamy16_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: Gibbin_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Gibbin_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (243, 3149), (260, 3206),

Gene: Gilda_13 Start: 4809, Stop: 6410, Start Num: 11

Candidate Starts for Gilda_13:

(Start: 11 @4809 has 95 MA's), (17, 4842), (32, 4932), (35, 4965), (47, 5067), (50, 5076), (69, 5193), (95, 5364), (97, 5367), (102, 5394), (115, 5487), (144, 5667), (145, 5670), (153, 5721), (155, 5733), (158, 5760), (170, 5865), (174, 5895), (179, 5934), (184, 5958), (203, 6057), (214, 6114), (229, 6186), (247, 6258),

Gene: Gimesa_7 Start: 3650, Stop: 5191, Start Num: 11

Candidate Starts for Gimesa_7:

(Start: 11 @3650 has 95 MA's), (26, 3734), (29, 3749), (36, 3812), (71, 4007), (82, 4085), (88, 4127), (93, 4145), (95, 4154), (105, 4205), (123, 4319), (124, 4328), (128, 4340), (137, 4382), (142, 4436), (151, 4502), (155, 4520), (156, 4526), (163, 4595), (164, 4598), (169, 4640), (170, 4649), (172, 4670), (174, 4679), (179, 4718), (183, 4739), (189, 4778), (209, 4868), (220, 4916), (224, 4931), (228, 4964), (242, 5018), (269, 5099), (287, 5186),

Gene: Giuseppe_9 Start: 6383, Stop: 7966, Start Num: 11

Candidate Starts for Giuseppe_9:

(Start: 11 @6383 has 95 MA's), (32, 6506), (34, 6536), (36, 6542), (38, 6581), (42, 6614), (74, 6761), (79, 6812), (82, 6821), (88, 6872), (90, 6881), (92, 6887), (93, 6890), (107, 6956), (137, 7139), (139, 7166), (140, 7175), (148, 7235), (150, 7256), (151, 7259), (159, 7322), (160, 7325), (163, 7352), (172, 7427), (175, 7448), (181, 7487), (182, 7490), (201, 7586), (206, 7613), (210, 7643), (228, 7733), (229, 7736), (245, 7799), (271, 7901), (279, 7961),

Gene: GretelLyn_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for GretelLyn_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (180, 2849), (182, 2858), (187, 2891), (188, 2897), (195, 2930), (207, 2984), (224, 3056), (229, 3092), (235, 3119), (240, 3134), (260, 3206),

Gene: Gumball_8 Start: 6338, Stop: 7921, Start Num: 11

Candidate Starts for Gumball_8:

(Start: 11 @6338 has 95 MA's), (32, 6461), (34, 6491), (36, 6497), (38, 6536), (42, 6569), (74, 6716), (79, 6767), (82, 6776), (88, 6827), (90, 6836), (92, 6842), (93, 6845), (107, 6911), (137, 7094), (139, 7121), (140, 7130), (144, 7166), (148, 7190), (150, 7211), (151, 7214), (159, 7277), (160, 7280), (163, 7307), (172, 7382), (175, 7403), (181, 7442), (182, 7445), (201, 7541), (206, 7568), (210, 7598), (229, 7691), (231, 7697), (245, 7754), (271, 7856), (279, 7916),

Gene: Hager_13 Start: 4798, Stop: 6405, Start Num: 11

Candidate Starts for Hager_13:

(Start: 11 @4798 has 95 MA's), (17, 4831), (32, 4921), (35, 4954), (43, 5029), (50, 5065), (69, 5182), (77, 5221), (79, 5263), (88, 5326), (97, 5356), (115, 5476), (144, 5656), (145, 5659), (153, 5710), (155, 5722), (158, 5749), (170, 5854), (174, 5884), (179, 5923), (203, 6046), (214, 6103), (220, 6118), (229, 6175), (239, 6217), (247, 6247), (262, 6301),

Gene: Haunter_13 Start: 4759, Stop: 6360, Start Num: 11

Candidate Starts for Haunter_13:

(Start: 11 @4759 has 95 MA's), (17, 4792), (32, 4882), (35, 4915), (47, 5017), (50, 5026), (69, 5143), (95, 5314), (97, 5317), (102, 5344), (115, 5437), (144, 5617), (145, 5620), (153, 5671), (155, 5683), (158, 5710), (170, 5815), (174, 5845), (179, 5884), (180, 5890), (184, 5908), (203, 6007), (214, 6064), (229, 6136), (241, 6184), (247, 6208),

Gene: Hawkeye_10 Start: 6069, Stop: 7664, Start Num: 11

Candidate Starts for Hawkeye_10:

(Start: 11 @6069 has 95 MA's), (38, 6267), (42, 6300), (45, 6321), (76, 6453), (80, 6501), (89, 6561), (107, 6639), (126, 6774), (139, 6849), (144, 6894), (147, 6906), (148, 6918), (150, 6939), (163, 7035), (166, 7062), (170, 7089), (172, 7110), (175, 7131), (185, 7185), (189, 7218), (197, 7254), (206, 7296), (209, 7308), (219, 7353), (221, 7365), (228, 7416), (229, 7419), (231, 7425), (245, 7482), (259, 7539), (271, 7572), (273, 7590), (281, 7638), (282, 7653),

Gene: Helpful_9 Start: 6391, Stop: 7974, Start Num: 11

Candidate Starts for Helpful_9:

(Start: 11 @6391 has 95 MA's), (32, 6514), (34, 6544), (36, 6550), (38, 6589), (42, 6622), (74, 6769), (79, 6820), (82, 6829), (88, 6880), (90, 6889), (92, 6895), (93, 6898), (107, 6964), (137, 7147), (139, 7174), (140, 7183), (144, 7219), (148, 7243), (150, 7264), (151, 7267), (159, 7330), (160, 7333), (163, 7360), (172, 7435), (175, 7456), (181, 7495), (182, 7498), (201, 7594), (206, 7621), (210, 7651), (228, 7741), (229, 7744), (245, 7807), (271, 7909), (279, 7969),

Gene: Hiddenleaf_12 Start: 4543, Stop: 6144, Start Num: 11

Candidate Starts for Hiddenleaf_12:

(Start: 11 @4543 has 95 MA's), (17, 4576), (32, 4666), (35, 4699), (47, 4801), (50, 4810), (69, 4927), (95, 5098), (97, 5101), (102, 5128), (115, 5221), (144, 5401), (145, 5404), (153, 5455), (155, 5467), (158, 5494), (170, 5599), (174, 5629), (179, 5668), (180, 5674), (203, 5791), (214, 5848), (229, 5920), (247, 5992),

Gene: Huwburt_36 Start: 17137, Stop: 18726, Start Num: 12

Candidate Starts for Huwburt_36:

(Start: 12 @17137 has 2 MA's), (23, 17197), (25, 17206), (32, 17257), (36, 17293), (38, 17320), (77, 17503), (79, 17545), (88, 17605), (117, 17767), (146, 17938), (161, 18067), (163, 18082), (164, 18085), (167, 18118), (169, 18127), (171, 18148), (175, 18178), (190, 18268), (203, 18328), (209, 18352), (226, 18418), (232, 18454), (242, 18499), (264, 18580), (265, 18589),

Gene: Indlulamithi_2 Start: 1710, Stop: 3257, Start Num: 11

Candidate Starts for Indlulamithi_2:

(Start: 11 @1710 has 95 MA's), (28, 1800), (30, 1809), (44, 1947), (71, 2064), (73, 2079), (83, 2157), (92, 2208), (95, 2220), (105, 2271), (121, 2376), (127, 2394), (137, 2439), (141, 2484), (142, 2493), (147, 2523), (151, 2559), (152, 2562), (154, 2571), (156, 2583), (163, 2655), (165, 2664), (174, 2739), (178, 2763), (179, 2772), (187, 2820), (189, 2832), (210, 2940), (224, 2985), (234, 3042), (238, 3060), (253, 3120), (276, 3195), (280, 3219), (284, 3246), (285, 3249),

Gene: JDawG_12 Start: 4600, Stop: 6201, Start Num: 11

Candidate Starts for JDawG_12:

(Start: 11 @4600 has 95 MA's), (17, 4633), (32, 4723), (35, 4756), (47, 4858), (50, 4867), (69, 4984), (95, 5155), (97, 5158), (101, 5179), (102, 5185), (115, 5278), (144, 5458), (145, 5461), (153, 5512), (155, 5524), (158, 5551), (170, 5656), (174, 5686), (179, 5725), (184, 5749), (201, 5836), (203, 5848), (214, 5905), (229, 5977), (247, 6049),

Gene: Jalebi_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Jalebi_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (246, 3158), (260, 3206), (270, 3242),

Gene: Jamemuya19_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Jamemuya19_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206),

Gene: JingleBells_12 Start: 4612, Stop: 6213, Start Num: 11

Candidate Starts for JingleBells_12:

(Start: 11 @4612 has 95 MA's), (17, 4645), (32, 4735), (35, 4768), (47, 4870), (50, 4879), (69, 4996), (95, 5167), (97, 5170), (102, 5197), (115, 5290), (144, 5470), (145, 5473), (153, 5524), (155, 5536), (158, 5563), (170, 5668), (174, 5698), (179, 5737), (180, 5743), (184, 5761), (203, 5860), (214, 5917), (229, 5989), (247, 6061),

Gene: KandZ_9 Start: 6488, Stop: 8071, Start Num: 11

Candidate Starts for KandZ_9:

(Start: 11 @6488 has 95 MA's), (32, 6611), (34, 6641), (36, 6647), (38, 6686), (42, 6719), (79, 6917), (82, 6926), (88, 6977), (90, 6986), (92, 6992), (93, 6995), (107, 7061), (137, 7244), (139, 7271), (140, 7280), (144, 7316), (148, 7340), (150, 7361), (151, 7364), (159, 7427), (160, 7430), (163, 7457), (172, 7532), (175, 7553), (181, 7592), (182, 7595), (201, 7691), (205, 7715), (206, 7718), (210, 7748), (229, 7841), (231, 7847), (245, 7904), (271, 8006), (279, 8066),

Gene: Karate_12 Start: 4764, Stop: 6365, Start Num: 11

Candidate Starts for Karate_12:

(Start: 11 @4764 has 95 MA's), (17, 4797), (32, 4887), (35, 4920), (47, 5022), (50, 5031), (69, 5148), (95, 5319), (97, 5322), (102, 5349), (115, 5442), (144, 5622), (145, 5625), (153, 5676), (155, 5688), (158, 5715), (170, 5820), (174, 5850), (179, 5889), (184, 5913), (201, 6000), (203, 6012), (214, 6069), (229, 6141), (247, 6213),

Gene: Kate_13 Start: 4817, Stop: 6418, Start Num: 11

Candidate Starts for Kate_13:

(Start: 11 @4817 has 95 MA's), (17, 4850), (32, 4940), (35, 4973), (47, 5075), (50, 5084), (69, 5201), (95, 5372), (97, 5375), (102, 5402), (115, 5495), (144, 5675), (145, 5678), (153, 5729), (155, 5741), (158, 5768), (170, 5873), (174, 5903), (179, 5942), (184, 5966), (203, 6065), (214, 6122), (229, 6194), (247, 6266),

Gene: Konstantine_7 Start: 4636, Stop: 6252, Start Num: 10

Candidate Starts for Konstantine_7:

(Start: 10 @4636 has 1 MA's), (26, 4711), (45, 4873), (60, 4933), (61, 4939), (74, 5032), (76, 5038), (92, 5158), (95, 5170), (121, 5335), (128, 5365), (142, 5461), (152, 5530), (154, 5539), (155, 5545), (160, 5596), (163, 5623), (167, 5659), (169, 5668), (172, 5698), (174, 5707), (179, 5749), (182, 5764), (185, 5776), (189, 5809), (197, 5845), (198, 5851), (202, 5863), (203, 5872), (208, 5893), (210, 5917), (224, 5962), (228, 5995), (229, 5998), (237, 6034), (240, 6040), (250, 6082), (251, 6088), (255, 6100), (267, 6139), (284, 6238), (286, 6244),

Gene: Kors_13 Start: 4683, Stop: 6284, Start Num: 11

Candidate Starts for Kors_13:

(Start: 11 @4683 has 95 MA's), (17, 4722), (21, 4740), (29, 4782), (32, 4809), (35, 4842), (62, 5010), (63, 5013), (69, 5070), (77, 5109), (79, 5151), (88, 5214), (96, 5244), (102, 5277), (114, 5364), (122, 5424), (153, 5598), (155, 5610), (168, 5727), (172, 5763), (177, 5796), (179, 5811), (194, 5892), (201, 5922), (203, 5934), (229, 6063), (239, 6105), (241, 6111),

Gene: Krampus_13 Start: 4815, Stop: 6416, Start Num: 11

Candidate Starts for Krampus_13:

(Start: 11 @4815 has 95 MA's), (17, 4848), (32, 4938), (35, 4971), (47, 5073), (50, 5082), (69, 5199), (95, 5370), (97, 5373), (102, 5400), (115, 5493), (144, 5673), (145, 5676), (153, 5727), (155, 5739), (158, 5766), (170, 5871), (174, 5901), (179, 5940), (180, 5946), (184, 5964), (203, 6063), (214, 6120), (229, 6192), (247, 6264),

Gene: Labelle_7 Start: 4712, Stop: 6340, Start Num: 11

Candidate Starts for Labelle_7:

(Start: 11 @4712 has 95 MA's), (16, 4742), (31, 4814), (38, 4892), (71, 5069), (81, 5141), (95, 5216), (121, 5381), (125, 5411), (131, 5432), (134, 5450), (155, 5600), (159, 5648), (170, 5732), (172, 5753), (175, 5774), (188, 5855), (191, 5870), (203, 5924), (208, 5945), (218, 5993), (222, 6011), (224, 6032), (231, 6074), (237, 6104), (242, 6119), (244, 6128), (252, 6170), (261, 6194), (263, 6197), (270, 6230), (286, 6329),

Gene: Lambo_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Lambo_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: LavAbarElk_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for LavAbarElk_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (270, 3242),

Gene: Leopard_19 Start: 12174, Stop: 13835, Start Num: 8

Candidate Starts for Leopard_19:

(Start: 8 @12174 has 43 MA's), (38, 12381), (56, 12480), (63, 12510), (66, 12531), (68, 12570), (70, 12582), (72, 12588), (82, 12663), (85, 12696), (93, 12729), (104, 12792), (110, 12819), (116, 12888), (120, 12924), (122, 12930), (131, 12957), (136, 12981), (147, 13071), (149, 13098), (165, 13209), (169, 13245), (175, 13296), (177, 13308), (178, 13314), (181, 13335), (182, 13338), (201, 13434), (204, 13449), (216, 13506), (224, 13533), (243, 13623), (258, 13674), (263, 13686), (275, 13746), (277, 13758),

Gene: Lila22_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Lila22_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (246, 3158), (260, 3206), (270, 3242),

Gene: LilyPad_2 Start: 1521, Stop: 3209, Start Num: 9

Candidate Starts for LilyPad_2:

(Start: 9 @1521 has 9 MA's), (32, 1659), (38, 1731), (41, 1761), (63, 1845), (65, 1851), (74, 1932), (84, 2019), (88, 2043), (94, 2067), (99, 2106), (108, 2151), (111, 2178), (119, 2253), (128, 2301), (147, 2427), (152, 2466), (155, 2481), (156, 2487), (163, 2556), (167, 2592), (170, 2610), (175, 2652), (182, 2694), (202, 2793), (210, 2847), (223, 2880), (224, 2892), (231, 2934), (234, 2949), (252, 3024),

Gene: LittleFella_2 Start: 1591, Stop: 3249, Start Num: 9

Candidate Starts for LittleFella_2:

(Start: 9 @1591 has 9 MA's), (13, 1603), (19, 1651), (32, 1729), (38, 1795), (40, 1816), (41, 1825), (48, 1861), (51, 1864), (63, 1903), (74, 1990), (93, 2119), (94, 2125), (95, 2128), (119, 2305), (128, 2353), (129, 2359), (132, 2368), (137, 2395), (138, 2419), (150, 2509), (151, 2512), (152, 2515), (155, 2530), (158, 2557), (163, 2605), (164, 2608), (167, 2641), (169, 2650), (170, 2659), (182, 2743), (183, 2749), (185, 2755), (202, 2842), (203, 2851), (206, 2866), (208, 2872), (215, 2914), (224, 2944), (236, 3010), (280, 3196), (288, 3244),

Gene: LordBart_13 Start: 4656, Stop: 6257, Start Num: 11

Candidate Starts for LordBart_13:

(Start: 11 @4656 has 95 MA's), (17, 4695), (21, 4713), (29, 4755), (32, 4782), (35, 4815), (62, 4983), (63, 4986), (69, 5043), (77, 5082), (79, 5124), (88, 5187), (96, 5217), (102, 5250), (111, 5301), (114, 5337), (122, 5397), (148, 5541), (150, 5562), (153, 5571), (155, 5583), (172, 5736), (177, 5769), (179, 5784), (194, 5865), (201, 5895), (203, 5907), (229, 6036), (239, 6078), (241, 6084), (249, 6126),

Gene: LuckyLeo_2 Start: 1553, Stop: 3178, Start Num: 8

Candidate Starts for LuckyLeo_2:

(Start: 8 @1553 has 43 MA's), (41, 1793), (59, 1895), (67, 1943), (71, 1979), (110, 2195), (135, 2342), (144, 2423), (149, 2462), (150, 2468), (151, 2471), (152, 2474), (155, 2489), (158, 2516), (161, 2549), (163, 2564), (173, 2645), (179, 2687), (186, 2717), (187, 2735), (188, 2741), (195, 2774), (203, 2810), (207, 2828), (219, 2882), (224, 2900), (226, 2906), (229, 2936), (240, 2978), (246, 3002), (260, 3050), (266, 3071), (277, 3128),

Gene: Madi_2 Start: 1538, Stop: 3241, Start Num: 9

Candidate Starts for Madi_2:

(Start: 9 @1538 has 9 MA's), (24, 1619), (27, 1640), (32, 1676), (38, 1748), (40, 1769), (41, 1778), (63, 1871), (65, 1877), (67, 1904), (108, 2177), (113, 2225), (119, 2276), (128, 2324), (147, 2450), (152, 2489), (164, 2582), (175, 2675), (202, 2816), (203, 2825), (205, 2837), (223, 2903), (224, 2915),

Gene: Madruga_6 Start: 4313, Stop: 5944, Start Num: 11

Candidate Starts for Madruga_6:

(Start: 11 @4313 has 95 MA's), (16, 4346), (38, 4496), (44, 4544), (71, 4673), (81, 4745), (95, 4820), (121, 4985), (125, 5015), (131, 5036), (134, 5054), (136, 5060), (155, 5204), (159, 5252), (170, 5336), (172, 5357), (175, 5378), (183, 5426), (188, 5459), (191, 5474), (203, 5528), (208, 5549), (218, 5597), (222, 5615), (224, 5636), (231, 5678), (237, 5708), (242, 5723), (244, 5732), (252, 5774), (261, 5798), (263, 5801), (270, 5834), (286, 5933),

Gene: Megatron06_6 Start: 4407, Stop: 6020, Start Num: 11

Candidate Starts for Megatron06_6:

(Start: 5 @4359 has 1 MA's), (Start: 11 @4407 has 95 MA's), (15, 4431), (26, 4479), (45, 4641), (60, 4701), (61, 4707), (74, 4800), (76, 4806), (92, 4926), (95, 4938), (121, 5103), (128, 5133), (142, 5229), (152, 5298), (154, 5307), (155, 5313), (160, 5364), (163, 5391), (167, 5427), (169, 5436), (172, 5466), (174, 5475), (179, 5517), (182, 5532), (185, 5544), (189, 5577), (197, 5613), (198, 5619), (202, 5631), (203, 5640), (208, 5661), (210, 5685), (224, 5730), (228, 5763), (229, 5766), (230, 5769), (237, 5802), (240, 5808), (250, 5850), (251, 5856), (255, 5868), (267, 5907), (284, 6006), (286, 6012),

Gene: Mima20_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Mima20_3:

(Start: 8 @1709 has 43 MA's), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (240, 3134), (246, 3158), (260, 3206),

Gene: MoiGyank_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for MoiGyank_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (228, 3089), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (270, 3242),

Gene: MontyDev_7 Start: 3649, Stop: 5190, Start Num: 11

Candidate Starts for MontyDev_7:

(Start: 11 @3649 has 95 MA's), (26, 3733), (29, 3748), (36, 3811), (71, 4006), (82, 4084), (88, 4126), (93, 4144), (95, 4153), (105, 4204), (123, 4318), (124, 4327), (128, 4339), (137, 4381), (142, 4435), (151, 4501), (155, 4519), (156, 4525), (163, 4594), (164, 4597), (169, 4639), (170, 4648), (172, 4669), (174, 4678), (179, 4717), (183, 4738), (189, 4777), (209, 4867), (220, 4915), (224, 4930), (242, 5017), (269, 5098), (287, 5185),

Gene: Mopey_9 Start: 6391, Stop: 7974, Start Num: 11

Candidate Starts for Mopey_9:

(Start: 11 @6391 has 95 MA's), (32, 6514), (34, 6544), (36, 6550), (38, 6589), (42, 6622), (74, 6769), (79, 6820), (82, 6829), (88, 6880), (90, 6889), (92, 6895), (93, 6898), (107, 6964), (137, 7147), (139, 7174), (140, 7183), (148, 7243), (150, 7264), (151, 7267), (159, 7330), (160, 7333), (163, 7360), (172, 7435), (175, 7456), (181, 7495), (182, 7498), (201, 7594), (206, 7621), (210, 7651), (228, 7741), (229, 7744), (245, 7807), (271, 7909), (279, 7969),

Gene: MortySmith_12 Start: 4517, Stop: 6118, Start Num: 11

Candidate Starts for MortySmith_12:

(Start: 11 @4517 has 95 MA's), (17, 4550), (32, 4640), (35, 4673), (47, 4775), (50, 4784), (69, 4901), (95, 5072), (97, 5075), (101, 5096), (102, 5102), (115, 5195), (144, 5375), (145, 5378), (153, 5429), (155, 5441), (158, 5468), (170, 5573), (174, 5603), (179, 5642), (184, 5666), (201, 5753), (203, 5765), (214, 5822), (229, 5894), (247, 5966),

Gene: MrMiyagi_3 Start: 1861, Stop: 3411, Start Num: 11

Candidate Starts for MrMiyagi_3:

(Start: 11 @1861 has 95 MA's), (26, 1945), (36, 2023), (43, 2095), (64, 2152), (73, 2233), (131, 2554), (143, 2647), (148, 2680), (151, 2704), (152, 2707), (154, 2716), (165, 2809), (174, 2884), (175, 2899), (179, 2923), (187, 2971), (189, 2983), (197, 3019), (205, 3058), (210, 3091), (224, 3136), (235, 3199), (284, 3394), (285, 3397),

Gene: NarutoRun_13 Start: 4820, Stop: 6421, Start Num: 11

Candidate Starts for NarutoRun_13:

(Start: 11 @4820 has 95 MA's), (17, 4853), (32, 4943), (35, 4976), (47, 5078), (50, 5087), (69, 5204), (77, 5243), (95, 5375), (97, 5378), (115, 5498), (144, 5678), (145, 5681), (153, 5732), (155, 5744), (158, 5771), (170, 5876), (174, 5906), (179, 5945), (180, 5951), (184, 5969), (201, 6056), (203, 6068), (205, 6080), (214, 6125), (229, 6197), (247, 6269),

Gene: Neptune_13 Start: 4785, Stop: 6386, Start Num: 11

Candidate Starts for Neptune_13:

(Start: 11 @4785 has 95 MA's), (17, 4818), (32, 4908), (35, 4941), (47, 5043), (50, 5052), (69, 5169), (95, 5340), (97, 5343), (102, 5370), (115, 5463), (144, 5643), (145, 5646), (153, 5697), (155, 5709), (158, 5736), (170, 5841), (174, 5871), (179, 5910), (184, 5934), (203, 6033), (214, 6090), (229, 6162), (247, 6234),

Gene: Nettle_3 Start: 1709, Stop: 3340, Start Num: 8

Candidate Starts for Nettle_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (228, 3089), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (270, 3242), (283, 3332),

Gene: Nilo_7 Start: 3650, Stop: 5191, Start Num: 11

Candidate Starts for Nilo_7:

(Start: 11 @3650 has 95 MA's), (26, 3734), (29, 3749), (36, 3812), (71, 4007), (82, 4085), (88, 4127), (93, 4145), (95, 4154), (105, 4205), (123, 4319), (124, 4328), (128, 4340), (137, 4382), (142, 4436), (151, 4502), (155, 4520), (156, 4526), (163, 4595), (164, 4598), (169, 4640), (170, 4649), (172, 4670), (174, 4679), (179, 4718), (183, 4739), (189, 4778), (209, 4868), (220, 4916), (224, 4931), (228, 4964), (242, 5018), (269, 5099), (287, 5186),

Gene: Nish23_5 Start: 3872, Stop: 5485, Start Num: 11

Candidate Starts for Nish23_5:

(Start: 5 @3824 has 1 MA's), (Start: 11 @3872 has 95 MA's), (15, 3896), (26, 3944), (45, 4106), (60, 4166), (61, 4172), (74, 4265), (76, 4271), (92, 4391), (95, 4403), (106, 4463), (118, 4550), (121, 4568), (128, 4598), (142, 4694), (152, 4763), (154, 4772), (155, 4778), (160, 4829), (163, 4856), (167, 4892), (169, 4901), (172, 4931), (174, 4940), (179, 4982), (182, 4997), (185, 5009), (189, 5042), (197, 5078), (198, 5084), (202, 5096), (203, 5105), (208, 5126), (210, 5150), (224, 5195), (228, 5228), (229, 5231), (230, 5234), (237, 5267), (240, 5273), (250, 5315), (251, 5321), (255, 5333), (267, 5372), (284, 5471), (286, 5477),

Gene: NorManre_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for NorManre_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (240, 3134), (246, 3158), (253, 3185), (260, 3206),

Gene: Nova_9 Start: 6815, Stop: 8398, Start Num: 11

Candidate Starts for Nova_9:

(Start: 11 @6815 has 95 MA's), (32, 6938), (34, 6968), (36, 6974), (38, 7013), (42, 7046), (74, 7193), (79, 7244), (88, 7304), (90, 7313), (92, 7319), (93, 7322), (107, 7388), (137, 7571), (139, 7598), (140, 7607), (144, 7643), (148, 7667), (150, 7688), (151, 7691), (159, 7754), (160, 7757), (163, 7784), (172, 7859), (175, 7880), (181, 7919), (182, 7922), (201, 8018), (206, 8045), (210, 8075), (229, 8168), (231, 8174), (245, 8231), (271, 8333), (279, 8393),

Gene: NovaSharks_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for NovaSharks_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: Oaker_6 Start: 4128, Stop: 5741, Start Num: 11

Candidate Starts for Oaker_6:

(Start: 5 @4080 has 1 MA's), (Start: 11 @4128 has 95 MA's), (15, 4152), (26, 4200), (45, 4362), (60, 4422), (61, 4428), (74, 4521), (76, 4527), (92, 4647), (95, 4659), (118, 4806), (121, 4824), (128, 4854), (142, 4950), (152, 5019), (154, 5028), (155, 5034), (160, 5085), (163, 5112), (167, 5148), (169, 5157), (172, 5187), (174, 5196), (179, 5238), (182, 5253), (185, 5265), (189, 5298), (197, 5334), (198, 5340), (202, 5352), (203, 5361), (208, 5382), (210, 5406), (224, 5451), (228, 5484), (229, 5487), (230, 5490), (237, 5523), (240, 5529), (250, 5571), (251, 5577), (255, 5589), (267, 5628), (284, 5727), (286, 5733),

Gene: OhDear_13 Start: 4814, Stop: 6415, Start Num: 11

Candidate Starts for OhDear_13:

(Start: 11 @4814 has 95 MA's), (17, 4847), (32, 4937), (35, 4970), (47, 5072), (50, 5081), (69, 5198), (95, 5369), (97, 5372), (102, 5399), (115, 5492), (144, 5672), (145, 5675), (153, 5726), (155, 5738), (158, 5765), (170, 5870), (174, 5900), (179, 5939), (184, 5963), (203, 6062), (214, 6119), (229, 6191), (247, 6263),

Gene: Onyinye_20 Start: 12055, Stop: 13716, Start Num: 8

Candidate Starts for Onyinye_20:

(Start: 8 @12055 has 43 MA's), (38, 12262), (56, 12361), (63, 12391), (66, 12412), (68, 12451), (70, 12463), (72, 12469), (82, 12544), (85, 12577), (93, 12610), (104, 12673), (110, 12700), (116, 12769), (120, 12805), (122, 12811), (131, 12838), (136, 12862), (147, 12952), (149, 12979), (165, 13090), (169, 13126), (175, 13177), (177, 13189), (178, 13195), (181, 13216), (182, 13219), (201, 13315), (204, 13330), (216, 13387), (224, 13414), (243, 13504), (258, 13555), (263, 13567), (275, 13627), (277, 13639),

Gene: OtterstedtS21_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for OtterstedtS21_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (228, 3089), (229, 3092), (235, 3119), (240, 3134), (260, 3206),

Gene: OverHedge_13 Start: 4782, Stop: 6383, Start Num: 11

Candidate Starts for OverHedge_13:

(Start: 11 @4782 has 95 MA's), (17, 4815), (32, 4905), (35, 4938), (47, 5040), (50, 5049), (69, 5166), (95, 5337), (97, 5340), (102, 5367), (115, 5460), (144, 5640), (145, 5643), (153, 5694), (155, 5706), (158, 5733), (170, 5838), (174, 5868), (179, 5907), (180, 5913), (203, 6030), (214, 6087), (229, 6159), (247, 6231),

Gene: PBI1_9 Start: 6328, Stop: 7911, Start Num: 11

Candidate Starts for PBI1_9:

(Start: 11 @6328 has 95 MA's), (32, 6451), (34, 6481), (36, 6487), (38, 6526), (42, 6559), (74, 6706), (79, 6757), (82, 6766), (88, 6817), (90, 6826), (92, 6832), (93, 6835), (107, 6901), (137, 7084), (139, 7111), (140, 7120), (144, 7156), (148, 7180), (150, 7201), (151, 7204), (159, 7267), (160, 7270), (163, 7297), (172, 7372), (175, 7393), (181, 7432), (182, 7435), (201, 7531), (206, 7558), (210, 7588), (229, 7681), (231, 7687), (245, 7744), (271, 7846), (279, 7906),

Gene: PLOT_9 Start: 6400, Stop: 7983, Start Num: 11

Candidate Starts for PLOT_9:

(Start: 11 @6400 has 95 MA's), (32, 6523), (34, 6553), (36, 6559), (38, 6598), (42, 6631), (74, 6778), (79, 6829), (82, 6838), (88, 6889), (90, 6898), (92, 6904), (93, 6907), (107, 6973), (137, 7156), (139, 7183), (140, 7192), (144, 7228), (148, 7252), (150, 7273), (151, 7276), (159, 7339), (160, 7342), (163, 7369), (172, 7444), (175, 7465), (181, 7504), (182, 7507), (201, 7603), (206, 7630), (210, 7660), (228, 7750), (229, 7753), (245, 7816), (271, 7918), (279, 7978),

Gene: Papyrus_7 Start: 3650, Stop: 5191, Start Num: 11

Candidate Starts for Papyrus_7:

(Start: 11 @3650 has 95 MA's), (22, 3713), (26, 3734), (29, 3749), (36, 3812), (71, 4007), (82, 4085), (88, 4127), (93, 4145), (95, 4154), (105, 4205), (123, 4319), (124, 4328), (128, 4340), (137, 4382), (142, 4436), (151, 4502), (155, 4520), (156, 4526), (163, 4595), (164, 4598), (169, 4640), (170, 4649), (172, 4670), (174, 4679), (177, 4703), (179, 4718), (183, 4739), (187, 4766), (188, 4772), (189, 4778),

(209, 4868), (220, 4916), (224, 4931), (228, 4964), (242, 5018), (269, 5099), (287, 5186),

Gene: ParvusTarda_3 Start: 1709, Stop: 3334, Start Num: 8

Candidate Starts for ParvusTarda_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (240, 3134), (246, 3158), (253, 3185), (260, 3206), (274, 3266), (277, 3284),

Gene: Patience_8 Start: 5239, Stop: 6870, Start Num: 11

Candidate Starts for Patience_8:

(Start: 11 @5239 has 95 MA's), (16, 5272), (38, 5422), (44, 5470), (71, 5599), (81, 5671), (95, 5746), (121, 5911), (125, 5941), (131, 5962), (134, 5980), (136, 5986), (155, 6130), (159, 6178), (170, 6262), (172, 6283), (175, 6304), (183, 6352), (188, 6385), (191, 6400), (203, 6454), (208, 6475), (218, 6523), (222, 6541), (224, 6562), (231, 6604), (237, 6634), (242, 6649), (244, 6658), (252, 6700), (261, 6724), (263, 6727), (270, 6760), (286, 6859),

Gene: Patos_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Patos_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (228, 3089), (229, 3092), (235, 3119), (240, 3134), (253, 3185), (260, 3206),

Gene: Penelope2018_9 Start: 6391, Stop: 7974, Start Num: 11

Candidate Starts for Penelope2018_9:

(Start: 11 @6391 has 95 MA's), (32, 6514), (34, 6544), (36, 6550), (38, 6589), (42, 6622), (74, 6769), (79, 6820), (82, 6829), (88, 6880), (90, 6889), (92, 6895), (93, 6898), (107, 6964), (137, 7147), (139, 7174), (140, 7183), (144, 7219), (148, 7243), (150, 7264), (151, 7267), (159, 7330), (160, 7333), (163, 7360), (172, 7435), (175, 7456), (181, 7495), (182, 7498), (201, 7594), (206, 7621), (210, 7651), (228, 7741), (229, 7744), (245, 7807), (271, 7909), (279, 7969),

Gene: Phalaborwa_9 Start: 6433, Stop: 8016, Start Num: 11

Candidate Starts for Phalaborwa_9:

(Start: 11 @6433 has 95 MA's), (32, 6556), (34, 6586), (36, 6592), (38, 6631), (42, 6664), (74, 6811), (82, 6871), (88, 6922), (90, 6931), (92, 6937), (93, 6940), (107, 7006), (137, 7189), (139, 7216), (140, 7225), (144, 7261), (148, 7285), (150, 7306), (151, 7309), (160, 7375), (163, 7402), (172, 7477), (175, 7498), (180, 7531), (181, 7537), (182, 7540), (201, 7636), (206, 7663), (210, 7693), (228, 7783), (234, 7807), (245, 7849), (271, 7951), (279, 8011),

Gene: Pharpay_13 Start: 4830, Stop: 6431, Start Num: 11

Candidate Starts for Pharpay_13:

(Start: 11 @4830 has 95 MA's), (17, 4863), (32, 4953), (35, 4986), (47, 5088), (50, 5097), (69, 5214), (95, 5385), (97, 5388), (102, 5415), (115, 5508), (144, 5688), (145, 5691), (153, 5742), (155, 5754), (158, 5781), (170, 5886), (174, 5916), (179, 5955), (184, 5979), (203, 6078), (214, 6135), (229, 6207), (247, 6279),

Gene: Phreeze_5 Start: 3872, Stop: 5485, Start Num: 11

Candidate Starts for Phreeze_5:

(Start: 5 @3824 has 1 MA's), (Start: 11 @3872 has 95 MA's), (15, 3896), (26, 3944), (45, 4106), (60, 4166), (61, 4172), (74, 4265), (76, 4271), (92, 4391), (95, 4403), (118, 4550), (121, 4568), (128, 4598), (142, 4694), (152, 4763), (154, 4772), (155, 4778), (160, 4829), (163, 4856), (167, 4892), (169, 4901), (172, 4931), (174, 4940), (179, 4982), (182, 4997), (185, 5009), (189, 5042), (197, 5078), (198, 5084),

(202, 5096), (203, 5105), (208, 5126), (210, 5150), (224, 5195), (228, 5228), (237, 5267), (240, 5273), (250, 5315), (251, 5321), (255, 5333), (267, 5372), (284, 5471), (286, 5477),

Gene: PhunaPhoke_13 Start: 4803, Stop: 6404, Start Num: 11

Candidate Starts for PhunaPhoke_13:

(Start: 11 @4803 has 95 MA's), (17, 4836), (32, 4926), (35, 4959), (47, 5061), (50, 5070), (69, 5187), (95, 5358), (97, 5361), (102, 5388), (115, 5481), (144, 5661), (145, 5664), (153, 5715), (155, 5727), (158, 5754), (170, 5859), (174, 5889), (179, 5928), (184, 5952), (203, 6051), (214, 6108), (229, 6180), (247, 6252),

Gene: Potty_13 Start: 4808, Stop: 6409, Start Num: 11

Candidate Starts for Potty_13:

(Start: 11 @4808 has 95 MA's), (17, 4841), (32, 4931), (35, 4964), (47, 5066), (50, 5075), (69, 5192), (95, 5363), (97, 5366), (102, 5393), (115, 5486), (144, 5666), (145, 5669), (153, 5720), (155, 5732), (158, 5759), (170, 5864), (174, 5894), (179, 5933), (203, 6056), (214, 6113), (229, 6185), (247, 6257),

Gene: Poultress_12 Start: 4582, Stop: 6183, Start Num: 11

Candidate Starts for Poultress_12:

(Start: 11 @4582 has 95 MA's), (17, 4615), (32, 4705), (35, 4738), (47, 4840), (50, 4849), (69, 4966), (95, 5137), (97, 5140), (102, 5167), (115, 5260), (144, 5440), (145, 5443), (153, 5494), (155, 5506), (158, 5533), (170, 5638), (174, 5668), (179, 5707), (180, 5713), (203, 5830), (214, 5887), (229, 5959), (247, 6031),

Gene: Prager_9 Start: 6400, Stop: 7983, Start Num: 11

Candidate Starts for Prager_9:

(Start: 11 @6400 has 95 MA's), (32, 6523), (34, 6553), (36, 6559), (38, 6598), (42, 6631), (74, 6778), (79, 6829), (82, 6838), (88, 6889), (90, 6898), (92, 6904), (93, 6907), (107, 6973), (137, 7156), (139, 7183), (140, 7192), (144, 7228), (148, 7252), (150, 7273), (151, 7276), (159, 7339), (160, 7342), (163, 7369), (172, 7444), (175, 7465), (181, 7504), (182, 7507), (201, 7603), (206, 7630), (210, 7660), (228, 7750), (229, 7753), (245, 7816), (271, 7918), (279, 7978),

Gene: Predator_8 Start: 4868, Stop: 6496, Start Num: 11

Candidate Starts for Predator_8:

(Start: 11 @4868 has 95 MA's), (15, 4895), (26, 4943), (45, 5105), (56, 5147), (60, 5165), (61, 5171), (67, 5210), (71, 5246), (76, 5270), (79, 5315), (92, 5390), (106, 5465), (113, 5504), (128, 5606), (142, 5702), (152, 5771), (154, 5780), (155, 5786), (169, 5909), (172, 5939), (182, 6005), (183, 6011), (189, 6050), (192, 6062), (197, 6086), (202, 6104), (203, 6113), (208, 6134), (216, 6176), (224, 6203), (227, 6224), (228, 6236), (230, 6242), (231, 6245), (237, 6275), (240, 6281), (250, 6323), (251, 6329), (255, 6341), (257, 6350), (284, 6482), (286, 6488),

Gene: Puissant_6 Start: 4221, Stop: 5834, Start Num: 11

Candidate Starts for Puissant_6:

(Start: 5 @4173 has 1 MA's), (Start: 11 @4221 has 95 MA's), (15, 4245), (26, 4293), (45, 4455), (61, 4521), (76, 4620), (78, 4626), (93, 4743), (142, 5043), (143, 5052), (144, 5061), (152, 5112), (155, 5127), (160, 5178), (163, 5205), (172, 5280), (176, 5307), (182, 5346), (197, 5427), (198, 5433), (202, 5445), (208, 5475), (210, 5499), (216, 5517), (217, 5520), (220, 5529), (224, 5544), (229, 5580), (235, 5607), (237, 5616), (240, 5622), (250, 5664), (282, 5796), (286, 5826),

Gene: Pywacket_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Pywacket_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029),

(224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (270, 3242),

Gene: Rachella_13 Start: 4814, Stop: 6415, Start Num: 11

Candidate Starts for Rachella_13:

(Start: 11 @4814 has 95 MA's), (17, 4847), (32, 4937), (35, 4970), (47, 5072), (50, 5081), (69, 5198), (95, 5369), (97, 5372), (102, 5399), (115, 5492), (144, 5672), (153, 5726), (155, 5738), (158, 5765), (170, 5870), (174, 5900), (179, 5939), (184, 5963), (203, 6062), (214, 6119), (229, 6191), (247, 6263),

Gene: Ranch_3 Start: 1709, Stop: 3334, Start Num: 8

Candidate Starts for Ranch_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (161, 2705), (163, 2720), (173, 2801), (179, 2843), (187, 2891), (188, 2897), (195, 2930), (203, 2966), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (231, 3098), (240, 3134), (246, 3158), (253, 3185), (260, 3206), (266, 3227), (277, 3284),

Gene: RazorC_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for RazorC_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206),

Gene: Riduram_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Riduram_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (132, 2480), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: Rie18_13 Start: 4690, Stop: 6300, Start Num: 11

Candidate Starts for Rie18_13:

(Start: 11 @4690 has 95 MA's), (17, 4723), (32, 4813), (35, 4846), (43, 4921), (50, 4957), (69, 5074), (79, 5155), (88, 5218), (95, 5245), (97, 5248), (102, 5275), (115, 5368), (144, 5548), (145, 5551), (153, 5602), (155, 5614), (158, 5641), (170, 5746), (174, 5776), (179, 5815), (201, 5926), (203, 5938), (214, 5995), (220, 6010), (229, 6067), (239, 6109), (247, 6139), (262, 6196),

Gene: RikSengupta_13 Start: 4753, Stop: 6354, Start Num: 11

Candidate Starts for RikSengupta_13:

(Start: 11 @4753 has 95 MA's), (17, 4792), (21, 4810), (29, 4852), (32, 4879), (35, 4912), (62, 5080), (63, 5083), (69, 5140), (77, 5179), (79, 5221), (88, 5284), (96, 5314), (102, 5347), (111, 5398), (114, 5434), (122, 5494), (153, 5668), (155, 5680), (168, 5797), (172, 5833), (177, 5866), (179, 5881), (194, 5962), (201, 5992), (203, 6004), (229, 6133), (239, 6175), (241, 6181),

Gene: Riparian_6 Start: 3347, Stop: 4888, Start Num: 11

Candidate Starts for Riparian_6:

(Start: 11 @3347 has 95 MA's), (26, 3431), (29, 3446), (36, 3509), (71, 3704), (82, 3782), (88, 3824), (93, 3842), (95, 3851), (105, 3902), (121, 4007), (123, 4016), (124, 4025), (128, 4037), (137, 4079), (142, 4133), (151, 4199), (155, 4217), (156, 4223), (163, 4292), (164, 4295), (169, 4337), (170, 4346), (172, 4367), (174, 4376), (179, 4415), (183, 4436), (189, 4475), (209, 4565), (220, 4613), (224, 4628), (242, 4715), (269, 4796), (287, 4883),

Gene: Rope_7 Start: 3649, Stop: 5190, Start Num: 11

Candidate Starts for Rope_7:

(Start: 11 @3649 has 95 MA's), (26, 3733), (29, 3748), (36, 3811), (71, 4006), (82, 4084), (88, 4126), (93, 4144), (95, 4153), (105, 4204), (123, 4318), (124, 4327), (128, 4339), (137, 4381), (142, 4435), (151, 4501), (155, 4519), (156, 4525), (163, 4594), (164, 4597), (169, 4639), (170, 4648), (172, 4669), (174, 4678), (177, 4702), (179, 4717), (183, 4738), (187, 4765), (188, 4771), (189, 4777), (209, 4867), (210, 4885), (220, 4915), (224, 4930), (228, 4963), (242, 5017), (269, 5098), (287, 5185),

Gene: Rota_3 Start: 1709, Stop: 3334, Start Num: 8

Candidate Starts for Rota_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (228, 3089), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (274, 3266), (277, 3284),

Gene: Rukungu_3 Start: 1709, Stop: 3328, Start Num: 8

Candidate Starts for Rukungu_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (71, 2135), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (231, 3098), (237, 3128), (240, 3134), (246, 3158), (253, 3185), (260, 3206),

Gene: Rumi_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Rumi_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: Sadboi_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Sadboi_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (180, 2849), (182, 2858), (187, 2891), (188, 2897), (195, 2930), (207, 2984), (224, 3056), (229, 3092), (235, 3119), (240, 3134), (260, 3206),

Gene: SafetyGuy_13 Start: 4814, Stop: 6415, Start Num: 11

Candidate Starts for SafetyGuy_13:

(Start: 11 @4814 has 95 MA's), (17, 4847), (32, 4937), (35, 4970), (47, 5072), (50, 5081), (69, 5198), (95, 5369), (97, 5372), (102, 5399), (115, 5492), (144, 5672), (145, 5675), (153, 5726), (155, 5738), (158, 5765), (170, 5870), (174, 5900), (179, 5939), (184, 5963), (203, 6062), (214, 6119), (229, 6191), (247, 6263),

Gene: Sampudon_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Sampudon_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (246, 3158), (260, 3206), (270, 3242),

Gene: Send513_6 Start: 3650, Stop: 5191, Start Num: 11

Candidate Starts for Send513_6:

(Start: 11 @3650 has 95 MA's), (26, 3734), (29, 3749), (36, 3812), (71, 4007), (82, 4085), (88, 4127), (93, 4145), (95, 4154), (105, 4205), (123, 4319), (124, 4328), (128, 4340), (137, 4382), (142, 4436), (151, 4502), (155, 4520), (156, 4526), (163, 4595), (164, 4598), (169, 4640), (170, 4649), (172, 4670), (174, 4679), (179, 4718), (183, 4739), (189, 4778), (209, 4868), (220, 4916), (224, 4931), (228, 4964), (242, 5018), (269, 5099), (287, 5186),

Gene: Shrew_47 Start: 21548, Stop: 23116, Start Num: 14

Candidate Starts for Shrew_47:

(Start: 14 @21548 has 1 MA's), (32, 21659), (36, 21695), (39, 21740), (52, 21794), (77, 21905), (88, 22007), (94, 22031), (112, 22094), (159, 22421), (164, 22460), (165, 22466), (169, 22502), (194, 22661), (203, 22703), (232, 22829), (233, 22832), (242, 22874),

Gene: Sienna_2 Start: 1538, Stop: 3241, Start Num: 9

Candidate Starts for Sienna_2:

(Start: 9 @1538 has 9 MA's), (24, 1619), (27, 1640), (32, 1676), (38, 1748), (40, 1769), (41, 1778), (63, 1871), (65, 1877), (67, 1904), (108, 2177), (113, 2225), (119, 2276), (128, 2324), (147, 2450), (152, 2489), (164, 2582), (175, 2675), (202, 2816), (203, 2825), (205, 2837), (223, 2903), (224, 2915),

Gene: SilentWarrior_12 Start: 4550, Stop: 6151, Start Num: 11

Candidate Starts for SilentWarrior_12:

(Start: 11 @4550 has 95 MA's), (17, 4583), (32, 4673), (35, 4706), (47, 4808), (50, 4817), (69, 4934), (95, 5105), (97, 5108), (102, 5135), (115, 5228), (144, 5408), (145, 5411), (153, 5462), (155, 5474), (158, 5501), (170, 5606), (174, 5636), (179, 5675), (184, 5699), (203, 5798), (214, 5855), (229, 5927), (247, 5999),

Gene: SirHarley_8 Start: 6320, Stop: 7903, Start Num: 11

Candidate Starts for SirHarley_8:

(Start: 11 @6320 has 95 MA's), (32, 6443), (34, 6473), (36, 6479), (38, 6518), (42, 6551), (74, 6698), (79, 6749), (82, 6758), (88, 6809), (90, 6818), (92, 6824), (93, 6827), (107, 6893), (137, 7076), (139, 7103), (140, 7112), (144, 7148), (148, 7172), (150, 7193), (151, 7196), (159, 7259), (160, 7262), (163, 7289), (172, 7364), (175, 7385), (181, 7424), (182, 7427), (201, 7523), (206, 7550), (210, 7580), (229, 7673), (231, 7679), (245, 7736), (271, 7838), (279, 7898),

Gene: Snakehole_14 Start: 4638, Stop: 6239, Start Num: 11

Candidate Starts for Snakehole_14:

(Start: 11 @4638 has 95 MA's), (17, 4671), (32, 4761), (35, 4794), (43, 4869), (50, 4905), (69, 5022), (95, 5193), (97, 5196), (102, 5223), (115, 5316), (144, 5496), (145, 5499), (153, 5550), (155, 5562), (158, 5589), (170, 5694), (174, 5724), (179, 5763), (180, 5769), (203, 5886), (214, 5943), (229, 6015), (241, 6063), (247, 6087),

Gene: Sparcetus_13 Start: 4632, Stop: 6233, Start Num: 11

Candidate Starts for Sparcetus_13:

(Start: 11 @4632 has 95 MA's), (17, 4671), (21, 4689), (29, 4731), (32, 4758), (35, 4791), (62, 4959), (63, 4962), (69, 5019), (77, 5058), (79, 5100), (88, 5163), (96, 5193), (102, 5226), (111, 5277), (114, 5313), (122, 5373), (153, 5547), (155, 5559), (168, 5676), (172, 5712), (177, 5745), (179, 5760), (194, 5841), (201, 5871), (203, 5883), (229, 6012), (239, 6054), (241, 6060),

Gene: Stormer_3 Start: 1709, Stop: 3337, Start Num: 8

Candidate Starts for Stormer_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (59, 2051), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (150, 2624), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (266, 3227),

Gene: SuperSonics_8 Start: 4451, Stop: 6082, Start Num: 11

Candidate Starts for SuperSonics_8:

(Start: 11 @4451 has 95 MA's), (16, 4484), (38, 4634), (44, 4682), (71, 4811), (81, 4883), (95, 4958), (121, 5123), (125, 5153), (131, 5174), (134, 5192), (136, 5198), (155, 5342), (159, 5390), (170, 5474), (172, 5495), (175, 5516), (183, 5564), (188, 5597), (191, 5612), (203, 5666), (208, 5687), (218, 5735), (222, 5753), (224, 5774), (231, 5816), (237, 5846), (242, 5861), (244, 5870), (252, 5912), (261, 5936), (263, 5939), (270, 5972), (286, 6071),

Gene: SuperheroCarly_9 Start: 6253, Stop: 7836, Start Num: 11

Candidate Starts for SuperheroCarly_9:

(Start: 11 @6253 has 95 MA's), (32, 6376), (34, 6406), (36, 6412), (38, 6451), (42, 6484), (74, 6631), (79, 6682), (82, 6691), (88, 6742), (90, 6751), (92, 6757), (93, 6760), (107, 6826), (137, 7009), (139, 7036), (140, 7045), (144, 7081), (148, 7105), (150, 7126), (151, 7129), (159, 7192), (160, 7195), (163, 7222), (172, 7297), (175, 7318), (181, 7357), (182, 7360), (201, 7456), (206, 7483), (210, 7513), (228, 7603), (229, 7606), (245, 7669), (271, 7771), (279, 7831),

Gene: Suzy_2 Start: 1538, Stop: 3241, Start Num: 9

Candidate Starts for Suzy_2:

(Start: 9 @1538 has 9 MA's), (24, 1619), (27, 1640), (32, 1676), (38, 1748), (40, 1769), (41, 1778), (63, 1871), (65, 1877), (67, 1904), (113, 2225), (119, 2276), (128, 2324), (152, 2489), (163, 2579), (175, 2675), (183, 2723), (202, 2816), (203, 2825), (214, 2885), (224, 2915), (278, 3155),

Gene: Tedro_13 Start: 4815, Stop: 6416, Start Num: 11

Candidate Starts for Tedro_13:

(Start: 11 @4815 has 95 MA's), (17, 4848), (32, 4938), (35, 4971), (47, 5073), (50, 5082), (69, 5199), (95, 5370), (97, 5373), (115, 5493), (144, 5673), (145, 5676), (153, 5727), (155, 5739), (158, 5766), (170, 5871), (174, 5901), (179, 5940), (180, 5946), (184, 5964), (201, 6051), (203, 6063), (205, 6075), (214, 6120), (229, 6192), (247, 6264),

Gene: Terapin_2 Start: 1538, Stop: 3241, Start Num: 9

Candidate Starts for Terapin_2:

(Start: 9 @1538 has 9 MA's), (24, 1619), (27, 1640), (32, 1676), (38, 1748), (40, 1769), (41, 1778), (63, 1871), (65, 1877), (67, 1904), (108, 2177), (113, 2225), (119, 2276), (128, 2324), (147, 2450), (152, 2489), (164, 2582), (175, 2675), (202, 2816), (203, 2825), (205, 2837), (223, 2903), (224, 2915),

Gene: Thoth_9 Start: 6388, Stop: 7971, Start Num: 11

Candidate Starts for Thoth_9:

(Start: 11 @6388 has 95 MA's), (32, 6511), (34, 6541), (36, 6547), (38, 6586), (42, 6619), (74, 6766), (79, 6817), (82, 6826), (88, 6877), (90, 6886), (92, 6892), (93, 6895), (107, 6961), (137, 7144), (139, 7171), (140, 7180), (144, 7216), (148, 7240), (150, 7261), (151, 7264), (159, 7327), (160, 7330), (163, 7357), (172, 7432), (175, 7453), (181, 7492), (182, 7495), (201, 7591), (206, 7618), (210, 7648), (228, 7738), (229, 7741), (245, 7804), (271, 7906), (279, 7966),

Gene: Thumb_5 Start: 3872, Stop: 5485, Start Num: 11

Candidate Starts for Thumb_5:

(Start: 5 @3824 has 1 MA's), (Start: 11 @3872 has 95 MA's), (15, 3896), (26, 3944), (45, 4106), (60, 4166), (61, 4172), (74, 4265), (76, 4271), (92, 4391), (95, 4403), (106, 4463), (118, 4550), (121, 4568), (128, 4598), (142, 4694), (152, 4763), (154, 4772), (155, 4778), (160, 4829), (163, 4856), (167, 4892), (169, 4901), (172, 4931), (174, 4940), (179, 4982), (182, 4997), (185, 5009), (189, 5042), (197, 5078), (198, 5084), (202, 5096), (203, 5105), (208, 5126), (210, 5150), (224, 5195), (228, 5228), (237, 5267), (240, 5273), (250, 5315), (251, 5321), (255, 5333), (267, 5372), (286, 5477),

Gene: Tiggy93_13 Start: 4814, Stop: 6415, Start Num: 11

Candidate Starts for Tiggy93_13:

(Start: 11 @4814 has 95 MA's), (17, 4847), (32, 4937), (35, 4970), (47, 5072), (50, 5081), (69, 5198), (95, 5369), (97, 5372), (102, 5399), (115, 5492), (144, 5672), (145, 5675), (153, 5726), (155, 5738), (158, 5765), (170, 5870), (174, 5900), (179, 5939), (180, 5945), (184, 5963), (201, 6050), (203, 6062), (205, 6074), (214, 6119), (229, 6191), (247, 6263),

Gene: Tillicus_3 Start: 1706, Stop: 3331, Start Num: 8

Candidate Starts for Tillicus_3:

(Start: 8 @1706 has 43 MA's), (41, 1946), (59, 2048), (67, 2096), (71, 2132), (110, 2348), (135, 2495), (144, 2576), (149, 2615), (150, 2621), (151, 2624), (152, 2627), (155, 2642), (158, 2669), (161, 2702), (163, 2717), (173, 2798), (179, 2840), (186, 2870), (187, 2888), (188, 2894), (195, 2927), (203, 2963), (207, 2981), (219, 3035), (224, 3053), (226, 3059), (229, 3089), (240, 3131), (260, 3203), (274, 3263), (277, 3281),

Gene: TinyMiny_13 Start: 4630, Stop: 6231, Start Num: 11

Candidate Starts for TinyMiny_13:

(Start: 11 @4630 has 95 MA's), (17, 4669), (21, 4687), (29, 4729), (32, 4756), (35, 4789), (62, 4957), (63, 4960), (69, 5017), (77, 5056), (79, 5098), (88, 5161), (96, 5191), (102, 5224), (111, 5275), (114, 5311), (122, 5371), (153, 5545), (155, 5557), (172, 5710), (177, 5743), (179, 5758), (194, 5839), (201, 5869), (203, 5881), (229, 6010), (239, 6052), (241, 6058),

Gene: Tongui_12 Start: 4641, Stop: 6248, Start Num: 11

Candidate Starts for Tongui_12:

(Start: 11 @4641 has 95 MA's), (17, 4674), (32, 4764), (35, 4797), (43, 4872), (50, 4908), (69, 5025), (79, 5106), (88, 5169), (95, 5196), (97, 5199), (102, 5226), (115, 5319), (144, 5499), (145, 5502), (153, 5553), (155, 5565), (158, 5592), (164, 5646), (170, 5697), (174, 5727), (179, 5766), (184, 5790), (201, 5877), (203, 5889), (214, 5946), (220, 5961), (229, 6018), (247, 6090), (262, 6144),

Gene: Triscuit_35 Start: 17043, Stop: 18638, Start Num: 12

Candidate Starts for Triscuit_35:

(Start: 12 @17043 has 2 MA's), (23, 17103), (25, 17112), (32, 17163), (36, 17199), (38, 17226), (77, 17409), (88, 17511), (154, 17895), (161, 17973), (163, 17988), (164, 17991), (167, 18024), (169, 18033), (171, 18054), (175, 18084), (190, 18174), (203, 18234), (209, 18258), (226, 18324), (232, 18360), (233, 18363), (264, 18486), (265, 18495),

Gene: Troll4_9 Start: 6392, Stop: 7966, Start Num: 11

Candidate Starts for Troll4_9:

(Start: 11 @6392 has 95 MA's), (32, 6515), (34, 6545), (36, 6551), (38, 6590), (42, 6623), (74, 6770), (79, 6821), (82, 6830), (88, 6881), (90, 6890), (92, 6896), (93, 6899), (107, 6965), (137, 7148), (139, 7175), (140, 7184), (144, 7220), (148, 7244), (150, 7265), (151, 7268), (159, 7331), (160, 7334), (163, 7361), (172, 7436), (175, 7457), (181, 7496), (182, 7499), (201, 7595), (206, 7622), (210, 7652), (228, 7742), (229, 7745), (245, 7808), (271, 7910),

Gene: Visconti_9 Start: 6401, Stop: 7984, Start Num: 11

Candidate Starts for Visconti_9:

(Start: 11 @6401 has 95 MA's), (32, 6524), (34, 6554), (36, 6560), (38, 6599), (42, 6632), (74, 6779), (79, 6830), (82, 6839), (88, 6890), (90, 6899), (92, 6905), (93, 6908), (107, 6974), (137, 7157), (139, 7184), (140, 7193), (144, 7229), (148, 7253), (150, 7274), (151, 7277), (159, 7340), (160, 7343), (163, 7370), (172, 7445), (175, 7466), (181, 7505), (182, 7508), (201, 7604), (206, 7631), (210, 7661), (228, 7751), (229, 7754), (245, 7817), (271, 7919), (279, 7979),

Gene: WaldoWhy_9 Start: 6394, Stop: 7977, Start Num: 11

Candidate Starts for WaldoWhy_9:

(Start: 11 @6394 has 95 MA's), (32, 6517), (34, 6547), (36, 6553), (38, 6592), (42, 6625), (74, 6772), (79, 6823), (82, 6832), (88, 6883), (90, 6892), (92, 6898), (93, 6901), (107, 6967), (137, 7150), (139, 7177), (140, 7186), (144, 7222), (148, 7246), (150, 7267), (151, 7270), (159, 7333), (160, 7336), (163, 7363), (172, 7438), (175, 7459), (181, 7498), (182, 7501), (201, 7597), (206, 7624), (210, 7654), (228, 7744), (229, 7747), (245, 7810), (271, 7912), (279, 7972),

Gene: Weiss13_6 Start: 3338, Stop: 4879, Start Num: 11

Candidate Starts for Weiss13_6:

(Start: 11 @3338 has 95 MA's), (26, 3422), (29, 3437), (36, 3500), (71, 3695), (82, 3773), (88, 3815), (93, 3833), (95, 3842), (105, 3893), (123, 4007), (124, 4016), (128, 4028), (137, 4070), (142, 4124), (151, 4190), (155, 4208), (156, 4214), (163, 4283), (164, 4286), (169, 4328), (172, 4358), (174, 4367), (177, 4391), (179, 4406), (183, 4427), (187, 4454), (188, 4460), (189, 4466), (209, 4556), (220, 4604), (224, 4619), (228, 4652), (242, 4706), (269, 4787), (287, 4874),

Gene: WinnieLou_13 Start: 4867, Stop: 6474, Start Num: 11

Candidate Starts for WinnieLou_13:

(Start: 11 @4867 has 95 MA's), (17, 4900), (32, 4990), (35, 5023), (43, 5098), (50, 5134), (69, 5251), (77, 5290), (79, 5332), (88, 5395), (97, 5425), (115, 5545), (144, 5725), (145, 5728), (153, 5779), (155, 5791), (170, 5923), (174, 5953), (179, 5992), (203, 6115), (214, 6172), (220, 6187), (229, 6244), (239, 6286), (247, 6316), (262, 6370),

Gene: Wojtek_3 Start: 1706, Stop: 3331, Start Num: 8

Candidate Starts for Wojtek_3:

(Start: 8 @1706 has 43 MA's), (41, 1946), (59, 2048), (67, 2096), (71, 2132), (110, 2348), (135, 2495), (144, 2576), (149, 2615), (150, 2621), (151, 2624), (152, 2627), (155, 2642), (158, 2669), (161, 2702), (163, 2717), (173, 2798), (187, 2888), (188, 2894), (195, 2927), (203, 2963), (207, 2981), (224, 3053), (226, 3059), (229, 3089), (231, 3095), (240, 3131), (246, 3155), (253, 3182), (260, 3203), (277, 3281),

Gene: Wollypog_2 Start: 1462, Stop: 2961, Start Num: 11

Candidate Starts for Wollypog_2:

(Start: 11 @1462 has 95 MA's), (18, 1498), (32, 1573), (35, 1606), (41, 1669), (73, 1837), (91, 1963), (92, 1966), (93, 1969), (103, 2014), (130, 2152), (133, 2164), (134, 2167), (152, 2299), (155, 2314), (169, 2428), (179, 2506), (182, 2521), (189, 2566), (192, 2578), (193, 2584), (214, 2686), (224, 2716), (236, 2782), (267, 2905),

Gene: Xenia2_3 Start: 1712, Stop: 3343, Start Num: 8

Candidate Starts for Xenia2_3:

(Start: 8 @1712 has 43 MA's), (37, 1910), (54, 2030), (55, 2033), (59, 2054), (67, 2102), (109, 2351), (147, 2594), (152, 2633), (155, 2648), (167, 2759), (169, 2768), (173, 2804), (179, 2846), (185, 2873), (188, 2900), (195, 2933), (203, 2969), (207, 2987), (210, 3014), (214, 3029), (218, 3038), (224, 3059), (231, 3101), (240, 3137), (243, 3152), (246, 3161), (260, 3209), (266, 3230), (277, 3287), (283, 3335),

Gene: Yelo_6 Start: 3650, Stop: 5191, Start Num: 11

Candidate Starts for Yelo_6:

(Start: 11 @3650 has 95 MA's), (26, 3734), (29, 3749), (36, 3812), (71, 4007), (82, 4085), (88, 4127), (93, 4145), (95, 4154), (105, 4205), (123, 4319), (124, 4328), (128, 4340), (137, 4382), (142, 4436), (151, 4502), (155, 4520), (156, 4526), (163, 4595), (164, 4598), (169, 4640), (172, 4670), (174, 4679), (179, 4718), (183, 4739), (189, 4778), (209, 4868), (220, 4916), (224, 4931), (242, 5018), (269, 5099), (287, 5186),

Gene: Yikes_3 Start: 1709, Stop: 3331, Start Num: 8

Candidate Starts for Yikes_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (179, 2843), (180, 2849), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (224, 3056), (226, 3062), (229, 3092), (235, 3119), (240, 3134), (243, 3149), (260, 3206), (270, 3242),

Gene: Zany_3 Start: 1709, Stop: 3340, Start Num: 8

Candidate Starts for Zany_3:

(Start: 8 @1709 has 43 MA's), (41, 1949), (54, 2027), (59, 2051), (71, 2135), (74, 2153), (110, 2351), (128, 2465), (135, 2498), (149, 2618), (152, 2630), (155, 2645), (169, 2765), (170, 2774), (173, 2801), (174, 2804), (178, 2834), (179, 2843), (186, 2873), (187, 2891), (188, 2897), (195, 2930), (199, 2948), (207, 2984), (216, 3029), (224, 3056), (226, 3062), (228, 3089), (229, 3092), (235, 3119), (240, 3134), (260, 3206), (270, 3242), (283, 3332),

Gene: Zenon_7 Start: 3650, Stop: 5191, Start Num: 11

Candidate Starts for Zenon_7:

(Start: 11 @3650 has 95 MA's), (26, 3734), (29, 3749), (36, 3812), (71, 4007), (82, 4085), (88, 4127), (93, 4145), (95, 4154), (105, 4205), (123, 4319), (124, 4328), (128, 4340), (137, 4382), (142, 4436), (151, 4502), (155, 4520), (156, 4526), (163, 4595), (164, 4598), (169, 4640), (170, 4649), (172, 4670), (174, 4679), (179, 4718), (183, 4739), (189, 4778), (209, 4868), (220, 4916), (224, 4931), (228, 4964), (242, 5018), (269, 5099), (287, 5186),

Gene: pZL12_66c Start: 54091, Stop: 52178, Start Num: 3

Candidate Starts for pZL12_66c:

(1, 54115), (2, 54100), (3, 54091), (7, 53998), (20, 53917), (33, 53821), (46, 53713), (49, 53692), (57, 53656), (58, 53650), (63, 53626), (66, 53608), (75, 53533), (98, 53359), (100, 53350), (113, 53260), (157, 52927), (163, 52864), (166, 52837), (182, 52726), (196, 52651), (211, 52567), (212, 52561), (214, 52540), (216, 52537), (235, 52438), (254, 52357),