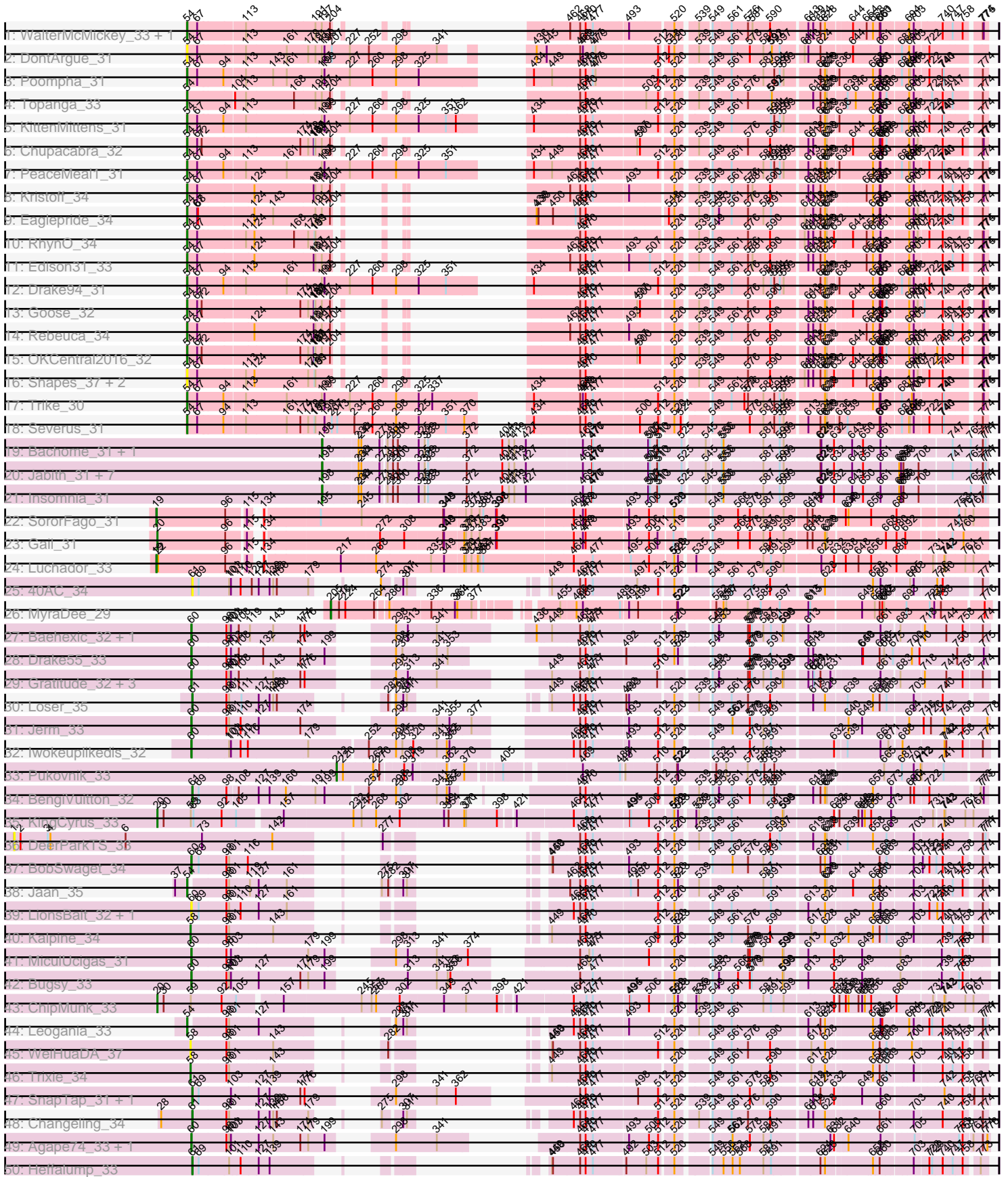


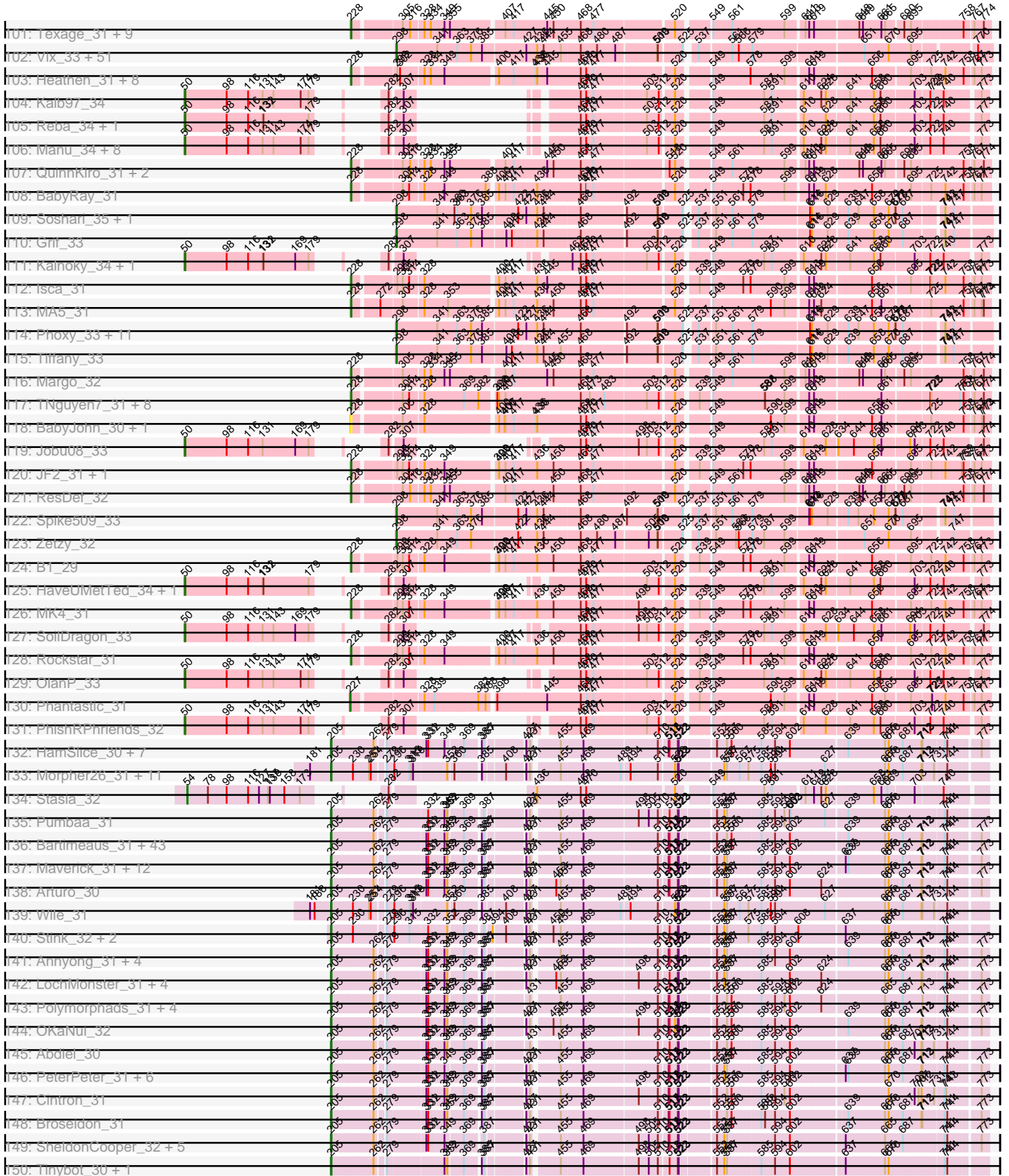
Pham 311039



Pham 311039

51: JoshKayV_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
52: ArcherNM_34		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
53: BiancaTm92_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
54: First_0031		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
55: Terric_35		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
56: Behvoilo_31 + 1		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
57: Larenn_32		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
58: SknoL_31 + 1		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
59: FimgLine_31 + 1		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
60: Bactobuster_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
61: LadyBird_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
62: Piro94_32		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
63: BabyBack_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
64: IronMan_34		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
65: Phaded_35		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
66: GaugeLDP_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
67: NothingSpecial_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
68: Turbido_33 + 2		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
69: Dignity_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
70: EvilGenius_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
71: Georgie2_32		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
72: Retro23_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
73: Anselm_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
74: NicoleTera_35		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
75: Power_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
76: ForesterFrank_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
77: SemperFL_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
78: EZIMoney23_35		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
79: HarryHoudini_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
80: Trooper_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
81: CRBT_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
82: SweetPie_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
83: Mikro_34		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
84: DudeLittle_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
85: Lokk_34		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
86: NaSiTalle_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
87: Prudy_34		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
88: Colin_35		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
89: Fameo_31 + 1		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
90: Tarsusiv_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
91: RedRock_35		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
92: Tristan_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
93: Landor_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
94: ZUES_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
95: Rachaly_34		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
96: AnnaL29_35		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
97: Delois_32		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
98: Leviathan_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
99: Dalmatian_31		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778
100: Smeagan_33		88	88	127	179	199	287	341	355	449	483	512	520	539	549	579	581	619	622	640	649	746	742	758	778

Pham 311039



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 311039 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311039 has 593 members, 68 are drafts.

Phages represented in each track:

- Track 1 : WalterMcMickey_33, Twister_33
- Track 2 : DontArgue_31
- Track 3 : Poompha_31
- Track 4 : Topanga_33
- Track 5 : KittenMittens_31
- Track 6 : Chupacabra_32
- Track 7 : PeaceMeal1_31
- Track 8 : Kristoff_34
- Track 9 : Eaglepride_34
- Track 10 : RhynO_34
- Track 11 : Edison31_33
- Track 12 : Drake94_31
- Track 13 : Goose_32
- Track 14 : Rebeuca_34
- Track 15 : OKCentral2016_32
- Track 16 : Shapes_37, Rowdy_37, DustyMartin_37
- Track 17 : Trike_30
- Track 18 : Severus_31
- Track 19 : Bachome_31, MaCh_31
- Track 20 : Jabith_31, Gilberta_31, Flaverint_31, Joselito_31, Aneem_31, Munch_31, Bowtie_31, Lucivia_31
- Track 21 : Insomnia_31
- Track 22 : SororFago_31
- Track 23 : Gail_31
- Track 24 : Luchador_33
- Track 25 : 40AC_34
- Track 26 : MyraDee_29
- Track 27 : Baehexic_32, Centaur_33
- Track 28 : Drake55_33
- Track 29 : Gratitude_32, WideWale_33, Updawg_33, Equemioh13_33
- Track 30 : Loser_35
- Track 31 : Jerm_33
- Track 32 : Iwokeuplikedis_32
- Track 33 : Pukovnik_33
- Track 34 : BengiVuitton_32
- Track 35 : KingCyrus_33
- Track 36 : DeerParkTS_33

- Track 37 : BobSwaget_34
- Track 38 : Jaan_35
- Track 39 : LionsBait_32, HippoHollow_32
- Track 40 : Kalpine_34
- Track 41 : MiculUcigas_31
- Track 42 : Buggy_33
- Track 43 : ChipMunk_33
- Track 44 : Leogania_33
- Track 45 : WeiHuaDA_37
- Track 46 : Trixie_34
- Track 47 : SnapTap_31, Crucio_31
- Track 48 : Changeling_34
- Track 49 : Agape74_33, AbbyPaige_33
- Track 50 : Heffalump_33
- Track 51 : JoshKayV_33
- Track 52 : ArcherNM_34
- Track 53 : BiancaTri92_33
- Track 54 : First_0031
- Track 55 : Terrific_35
- Track 56 : Benvolio_31, Echild_31
- Track 57 : Larenn_32
- Track 58 : Sknot_31, Flare16_31
- Track 59 : FiringLine_31, QueenBeesly_31
- Track 60 : Bactobuster_33
- Track 61 : LadyBird_31
- Track 62 : Piro94_32
- Track 63 : BabyBack_33
- Track 64 : IronMan_34
- Track 65 : Phaded_35
- Track 66 : GaugeLDP_33
- Track 67 : NothingSpecial_33
- Track 68 : Turbido_33, Whabigail7_33, LilTurb_33
- Track 69 : Dignity_33
- Track 70 : EvilGenius_33
- Track 71 : Georgie2_32
- Track 72 : Retro23_31
- Track 73 : Anselm_31
- Track 74 : NicoleTera_35
- Track 75 : Power_31
- Track 76 : ForesterFrank_33
- Track 77 : SemperFi_33
- Track 78 : EZMoney23_35
- Track 79 : HarryHoudini_33
- Track 80 : Trooper_31
- Track 81 : CRB1_31
- Track 82 : SweetiePie_31
- Track 83 : Miko_34
- Track 84 : DudeLittle_31
- Track 85 : Loka_34
- Track 86 : NaSiaTalie_31
- Track 87 : Prudy_34
- Track 88 : Colin_35
- Track 89 : Fameo_31, QueenB2_31

- Track 90 : TarsusIV_31
- Track 91 : RedRock_35
- Track 92 : Tristan_33
- Track 93 : Landor_33
- Track 94 : 20ES_31
- Track 95 : Rachaly_34
- Track 96 : AnnaL29_35
- Track 97 : Deloris_32
- Track 98 : Leviathan_33
- Track 99 : Dalmatian_31
- Track 100 : Smeagan_33
- Track 101 : Texage_31, Hookmount_32, Panamaxus_31, Lambert1_32, Noella_32, Caviar_32, Norbert_31, EtoileNova_32, Popcicle_32, Pocahontas_32
- Track 102 : Vix_33, Microwolf_33, Montavir_32, Grub_33, Dieselweasel_33, Grum1_33, MuchMore_35, DaHudson_33, Colbster_33, Phoebe_33, Gwennie_32, GtownJaz_33, AugsMagnumOpus_35, JHC117_33, EpicPhail_33, LBerry_33, Aglet_33, MarQuardt_33, GingkoMaracino_33, Mainiac_33, Pembroke_33, Cullens_33, Stagni_33, Penny1_33, Fernando_33, LugYA_35, Lilith_33, Snickers_33, Watson_33, Iowa_33, Bigflo_33, Malinsilva_35, Wooldri_35, Anubis_35, P28Green_33, Taurus_33, SoYo_33, Beauxregard13_33, MoneyMay_33, Marie_33, Sabinator_33, Hercules11_33, MadMarie_33, StepMih_33, PGHhamlin_35, Croquant_34, Farber_33, PotatoSplit_34, JenCasNa_33, Ollie_33, BreSam8_33, Sabia_33
- Track 103 : Heathen_31, Roimos_31, Fred313_31, Zarafa_31, DropBear_31, Scout_31, Kachowdy_31, HelDan_31, Marchesa_31
- Track 104 : Kalb97_34
- Track 105 : Reba_34, Phranny_34
- Track 106 : Manu_34, Groupthink_34, ClownCar_34, PurpleHaze_33, Pawn_33, Marius_34, Gemma_33, Calvinny_34, Heliosoles_33
- Track 107 : QuinnKiro_31, Veracruz_31, Todacoro_32
- Track 108 : BabyRay_31
- Track 109 : Soshari_35, Methuselah_32
- Track 110 : Grif_33
- Track 111 : Kalnoky_34, JeppNRM_34
- Track 112 : Isca_31
- Track 113 : MA5_31
- Track 114 : Phoxy_33, LarryKay_33, Rummer_33, HashRod_34, Louie6_33, Bxz2_32, BuzzBuzz_32, TinyPebbles_33, Misomonster_35, KADY_34, Daishi_32, AgronaGT15_33
- Track 115 : Tiffany_33
- Track 116 : Margo_32
- Track 117 : TNguyen7_31, Idleandcovert_31, BlueBird_32, Bugatti_31, Clammy_31, Giroux_32, SaturnRing_31, Pistachio_32, Puppy_32
- Track 118 : BabyJohn_30, Chiqui_30
- Track 119 : Jobu08_33
- Track 120 : JF2_31, JF4_31
- Track 121 : ResDef_32
- Track 122 : Spike509_33
- Track 123 : Zetzy_32
- Track 124 : B1_29
- Track 125 : HaveUMetTed_34, ACFishhook_33
- Track 126 : MK4_31
- Track 127 : SoilDragon_33

- Track 128 : Rockstar_31
- Track 129 : OlanP_33
- Track 130 : Phantastic_31
- Track 131 : PhishRPhriends_32
- Track 132 : HamSlice_30, Relief_31, LappelDuVide_31, TroyPia_31, Pipcraft_31, Eapen_31, Citius_31, Lunsford_32
- Track 133 : Morpher26_31, Datway_31, Katalie136_31, AbbysRanger_31, Achebe_30, PetiteSangsue_31, Perplexer_31, Backyardigan_31, Badger_31, Bumblebee11_31, Xena_31, Cici_31
- Track 134 : Stasia_32
- Track 135 : Pumbaa_31
- Track 136 : Bartimeaus_31, Wilbur_31, Ruin_31, TygerBlood_31, Albee_31, Flux_31, Bombshell_31, Peaches_31, TiroTheta9_31, Sabertooth_31, KekoraPapaka_30, JoongJeon_31, Druantia_31, Millski_30, Phelipe_31, Deano_31, CentreCat_31, Thanksgivukkah_31, Lemur_31, LittleB_31, Holli_31, Skipitt_31, Kingmustik0402_31, JetBlade_31, RockieBear_30, Roosevelt_31, Taquarus_31, Baby16_31, SteMason_31, Chaph_31, Romney_31, Clarenza_31, Connomayer_31, Florean_31, SenorClean_31, Dhanush_31, Commander_31, YoSam321_31, Wizard007_31, Medusa_31, Melvin_31, Blackmoor_31, Burger_30, Eros_31
- Track 137 : Maverick_31, Bruiser_30, Koreni_30, Avle17_31, Alberto7_32, Nemo27_31, Caelakin_31, Wander_31, Spino_31, Cocoaberry_31, Phacado_31, Gadost_31, Houdini22_31
- Track 138 : Arturo_30
- Track 139 : Wile_31
- Track 140 : Stink_32, AvatarAhPeg_32, Miramae_31
- Track 141 : Annyong_31, Kyee_31, BubbleTrouble_31, KFPoly_31, MeeZee_31
- Track 142 : LochMonster_31, Phighter1804_31, DirtyDunning_31, Ulysses_30, Iracema64_32
- Track 143 : Polymorphads_31, BellusTerra_31, Eurydice_31, Ohfah_31, Nebs_31
- Track 144 : OKaNui_32
- Track 145 : Abdiel_30
- Track 146 : PeterPeter_31, Lorenzo_31, Mazhar510_31, Shaka_31, Mayonnaise_31, ICleared_31, Sultana_31
- Track 147 : Cintron_31
- Track 148 : Broseidon_31
- Track 149 : SheldonCooper_32, Obama12_32, Eagle_30, LHTSCC_32, BangNhom_31, Cerulean_32
- Track 150 : Tinybot_30, Rosa24_30
- Track 151 : TinaFeyge_31, NorthStar_31
- Track 152 : Kratark_31
- Track 153 : Maxo_31, Kampy_31, Sparxx_31
- Track 154 : Camperdownii_30
- Track 155 : Cindaradix_30
- Track 156 : Mundrea_31
- Track 157 : Eris_30, Funston_31
- Track 158 : Noelle_31
- Track 159 : Jaykayelowell_31
- Track 160 : Huxley_31
- Track 161 : Happiness_31
- Track 162 : ChampagnePapi_32
- Track 163 : Scamp_31
- Track 164 : Kremtemulon_31
- Track 165 : Phontbonne_31

- Track 166 : Nyxis_31
- Track 167 : Iceman_32
- Track 168 : Shygu2_31
- Track 169 : Koan_31
- Track 170 : LeoAvram_31
- Track 171 : LittleGuy_31
- Track 172 : NotAPhaseMom_31
- Track 173 : Morrow_31
- Track 174 : Palestino_30
- Track 175 : EmyBug_33, Eidsmoe_33, Conquerage_33, Qobbit_33, Spouty_33, Priya_33, ExplosioNervosa_33
- Track 176 : Aliter_33, Ugenie5_30, Fayely_33, Myxus_33, Holec_32, Catalina_34, HortumSL17_33, Lilleskat_31, PackMan_33, Tubs_33, Phaeder_33, Scherzo_33
- Track 177 : Maminiaina_32, BogosyJay_32
- Track 178 : LoneWolf_32
- Track 179 : Hanray_32, Phonnegut_33, Beemo_33, Jiawan_32, Pioneer_33, RyeScarlet_34, Onglai_32
- Track 180 : Ayanochan_34
- Track 181 : Vanisoa_30
- Track 182 : EdogawaKiddo_31
- Track 183 : Darrell_33
- Track 184 : Alma_33
- Track 185 : Arissanae_31
- Track 186 : Keziacharles14_31
- Track 187 : Elephantoon_32
- Track 188 : Sachima_31
- Track 189 : Maco6_22
- Track 190 : FF47_24
- Track 191 : Muddy_24
- Track 192 : LongHai_25, Salvus_25
- Track 193 : 8UZL_24
- Track 194 : Nergal_25
- Track 195 : Imvubu_24
- Track 196 : Indlovu_28
- Track 197 : Hashim76_34
- Track 198 : Zenteno07_34
- Track 199 : Saguaro_31
- Track 200 : Thonko_29
- Track 201 : Knocker_32
- Track 202 : CRB2_33
- Track 203 : PenguinLover67_32
- Track 204 : Quesadilla_31
- Track 205 : Squirty_19
- Track 206 : Mdavu_23, Trice_23, Enkosi_23, Teejan_23, Amelie_23, Biglebops_23, Torres_23, LilPharaoh_23, SgtBeansprout_23, Nutello_23
- Track 207 : Chavito_27
- Track 208 : Nikao_23
- Track 209 : Shaobing_27
- Track 210 : LastHope_27
- Track 211 : Dartin_27, McMater_27, Peanam_27, Richo_27, Niklas_27
- Track 212 : TingHuaYa_27
- Track 213 : Validus_27
- Track 214 : Findley_23

- Track 215 : Marcoliusprime_23, DismalStressor_23, DismalFunk_23
- Track 216 : Milly_23
- Track 217 : TM4_23
- Track 218 : ZoeJ_23
- Track 219 : Strobilo_23
- Track 220 : Mufasa_23, BoostSeason_23, Doughnut_23
- Track 221 : TBond007_26, Pixie_26
- Track 222 : MacnCheese_27
- Track 223 : ShedlockHolmes_26, Lea83_26
- Track 224 : Pharb_26
- Track 225 : TribbleTrouble_25
- Track 226 : Hurricane_26
- Track 227 : Keshu_26
- Track 228 : Kraw_28
- Track 229 : Fionnbharth_28, JF1_28, YasnayaPolyana_28, Wintermute_28, Y10_28, Y2_28, Malthus_29
- Track 230 : Reptar3000_28
- Track 231 : Bobquesha_29
- Track 232 : MissDaisy_28
- Track 233 : Slarp_28, Cheetobro_28, Chancellor_28, Qhanda_29
- Track 234 : OmniCritical_28
- Track 235 : Patt_28
- Track 236 : Mitti_28
- Track 237 : Lebo14_28
- Track 238 : Phrank_26, Bryler_26, Cain_26
- Track 239 : Ekdilam_24
- Track 240 : Yuna_28
- Track 241 : Shadow1_25
- Track 242 : Amohnition_26
- Track 243 : Unicorn_26, PhelpsODU_26
- Track 244 : Krueger_26, Tigress9_26
- Track 245 : Amgine_25
- Track 246 : Tierra_26
- Track 247 : Hammy_26
- Track 248 : Applecrisp_25
- Track 249 : Syra333_26
- Track 250 : DarthP_26
- Track 251 : TClif_26
- Track 252 : Ximenita_27
- Track 253 : Fefferhead_26
- Track 254 : Sunflower1121_25
- Track 255 : November_25
- Track 256 : Lavahound_25
- Track 257 : Ellie_24
- Track 258 : Red305_21, Jubie_21, Lumos_21, Snenia_21, Clautastrophe_21, TriFive_21, Nicholas_21, Kingsolomon_21, MsGreen_21, Jobypre_21
- Track 259 : Bellis_21, Moostard_21, Finnry_21, Samty_21
- Track 260 : MiniLon_21, MiniMac_21, Lolly9_21
- Track 261 : DuncansLeg_21
- Track 262 : Ellson_21
- Track 263 : Whirlwind_22, Krypton555_21
- Track 264 : KirDoubleO7_19
- Track 265 : LiyuLake_21, BourbonZero_20

- Track 266 : Impisi_21
- Track 267 : SkinnyPete_20, Panchino_20
- Track 268 : Andies_20
- Track 269 : Phloss_20
- Track 270 : Shweta_20
- Track 271 : Scitech_20
- Track 272 : Xeno_20
- Track 273 : Fulbright_20
- Track 274 : Gavriela_21, CactusJack_21, StressBall_21, Glaske_21, Megiddo_21, KilKor_21, Phalm_21
- Track 275 : Willsammy_21, Dynamo_21
- Track 276 : Phineas_21
- Track 277 : Cracklewink_27, Bipper_27
- Track 278 : Hilltopfarm_27
- Track 279 : Faiyaz_27, AuntGwenStacy_27, Typha_27

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

The start number called the most often in the published annotations is 205, it was called in 143 of the 525 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbysRanger_31, Abdiel_30, Achebe_30, Albee_31, Alberto7_32, Annyong_31, Arturo_30, AvatarAhPeg_32, Avle17_31, Baby16_31, Backyardigan_31, Badger_31, BangNhom_31, Bartimeaus_31, BellusTerra_31, Blackmoor_31, Bombshell_31, Broseidon_31, Bruiser_30, BubbleTrouble_31, Bumblebee11_31, Burger_30, Caelakin_31, Camperdownii_30, CentreCat_31, Cerulean_32, ChampagnePapi_32, Chaph_31, Cici_31, Cindaradix_30, Cintron_31, Citius_31, Clarenza_31, Cocoaberry_31, Commander_31, Connomayer_31, Datway_31, Deano_31, Dhanush_31, DirtyDunning_31, Druantia_31, Eagle_30, Eapen_31, Eris_30, Eros_31, Eurydice_31, Floean_31, Flux_31, Funston_31, Gadost_31, HamSlice_30, Happiness_31, Holli_31, Houdini22_31, Huxley_31, ICleared_31, Iceman_32, Iracema64_32, Jaykayelowell_31, JetBlade_31, JoongJeon_31, KFPoly_31, Kamy_31, Katalie136_31, KekoraPapaka_30, Kingmustik0402_31, Koan_31, Koreni_30, Kratak_31, Kremtemulon_31, Kyee_31, LHTSCC_32, LappelDuVide_31, Lemur_31, LeoAvram_31, LittleB_31, LittleGuy_31, LochMonster_31, Lorenzo_31, Lunsford_32, Maverick_31, Maxo_31, Mayonnaise_31, Mazhar510_31, Medusa_31, MeeZee_31, Melvin_31, Millski_30, Miramae_31, Morpher26_31, Morrow_31, Mundrea_31, MyraDee_29, Nebs_31, Nemo27_31, Noelle_31, NorthStar_31, NotAPhaseMom_31, Nyxis_31, OKaNui_32, Obama12_32, Ohfah_31, Palestino_30, Peaches_31, Perplexer_31, PeterPeter_31, PetiteSangsue_31, Phacado_31, Phelipe_31, Phighter1804_31, Phontbonne_31, Pipcraft_31, Polymorphads_31, Pumbaa_31, Relief_31, RockieBear_30, Romney_31, Roosevelt_31, Rosa24_30, Ruin_31, Sabertooth_31, Scamp_31, SenorClean_31, Shaka_31, SheldonCooper_32, Shygu2_31, Skipitt_31, Sparxx_31, Spino_31, SteMason_31, Stink_32, Sultana_31, Taquarus_31, Thanksgivukkah_31, TinaFeyge_31, Tinybot_30, TiroTheta9_31, TroyPia_31, TygerBlood_31, Ulysses_30, Wander_31, Wilbur_31, Wile_31, Wizard007_31, Xena_31, YoSam321_31,

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

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

• 20ES_31, 40AC_34, 8UZL_24, ACFishhook_33, AbbyPaige_33, Agape74_33, Aglet_33, AgronaGT15_33, Aliter_33, Alma_33, Amelie_23, Amgine_25, Amohnition_26, Andies_20, Aneem_31, AnnaL29_35, Anselm_31, Anubis_35, Applecrisp_25, ArcherNM_34, Arissanae_31, AugsMagnumOpus_35, AuntGwenStacy_27, Ayanochan_34, B1_29, BabyBack_33, BabyJohn_30, BabyRay_31, Bachome_31, Bactobuster_33, Baehexic_32, Beauxregard13_33, Beemo_33, Bellis_21, BengiVuitton_32, Benvolio_31, BiancaTri92_33, Bigflo_33, Binglebops_23, Bipper_27, BlueBird_32, BobSwaget_34, Bobquesha_29, BogosyJay_32, BoostSeason_23, BourbonZero_20, Bowtie_31, BreSam8_33, Bryler_26, Bugatti_31, Buggy_33, BuzzBuzz_32, Bxz2_32, CRB1_31, CRB2_33, CactusJack_21, Cain_26, Calvinny_34, Catalina_34, Caviar_32, Centaur_33, Chancellor_28, Changeling_34, Chavito_27, Cheetobro_28, ChipMunk_33, Chiqui_30, Chupacabra_32, Clammy_31, Clautastrophe_21, ClownCar_34, Colbster_33, Colin_35, Conquerage_33, Cracklewink_27, Croquant_34, Crucio_31, Cullens_33, DaHudson_33, Daishi_32, Dalmatian_31, Darrell_33, DarthP_26, Dartin_27, DeerParkTS_33, Deloris_32, Dieselweasel_33, Dignity_33, DismalFunk_23, DismalStressor_23, DontArgue_31, Doughnut_23, Drake55_33, Drake94_31, DropBear_31, DudeLittle_31, DuncansLeg_21, DustyMartin_37, Dynamo_21, EZMoney23_35, Eaglepride_34, Echild_31, Edison31_33, EdogawaKiddo_31, Eidsmoe_33, Ekdilam_24, Elephantoon_32, Ellie_24, Ellson_21, EmyBug_33, Enkosi_23, EpicPhail_33, Equemioh13_33, EtoileNova_32, EvilGenius_33, ExplosioNervosa_33, FF47_24, Faiyaz_27, Fameo_31, Farber_33, Fayely_33, Fefferhead_26, Fernando_33, Findley_23, Finnry_21, Fionnbharth_28, FiringLine_31, First_0031, Flare16_31, Flaverint_31, ForesterFrank_33, Fred313_31, Fulbright_20, Gail_31, GaugeLDP_33, Gavriela_21, Gemma_33, Georgie2_32, Gilberta_31, GingkoMaracino_33, Giroux_32, Glaske_21, Goose_32, Gratitude_32, Grif_33, Groupthink_34, Grub_33, Grum1_33, GtownJaz_33, Gwennie_32, Hammy_26, Hanray_32, HarryHoudini_33, HashRod_34, Hashim76_34, HaveUMetTed_34, Heathen_31, Heffalump_33, HelDan_31, Heliosoles_33, Hercules11_33, Hilltopfarm_27, HippoHollow_32, Horex_32, Hookmount_32, HortumSL17_33, Hurricane_26, Idleandcovert_31, Impisi_21, Imvubu_24, Indlovu_28, Insomnia_31, IronMan_34, Isca_31, Iwokeuplikedis_32, JF1_28, JF2_31, JF4_31, JHC117_33, Jaan_35, Jabith_31, JenCasNa_33, JeppNRM_34, Jerm_33, Jiawan_32, Jobu08_33, Jobypre_21, Joselito_31, JoshKayV_33, Jubie_21, KADY_34, Kachowdy_31, Kalb97_34, Kalnoky_34, Kalpine_34, Keshu_26, Keziacharles14_31, KilKor_21, KingCyrus_33, Kingsolomon_21, KirDoubleO7_19, KittenMittens_31, Knocker_32, Kraw_28, Kristoff_34, Krueger_26, Krypton555_21, LBerry_33, LadyBird_31, Lambert1_32, Landor_33, Larenn_32, LarryKay_33, LastHope_27, Lavahound_25, Lea83_26, Lebo14_28, Leogania_33, Leviathan_33, LilPharaoh_23, LilTurb_33, Lilith_33, Lilleskat_31, LionsBait_32, LiyuLake_21, Lokk_34, Lolly9_21, LoneWolf_32, LongHai_25, Loser_35, Louie6_33, Iowa_33, Luchador_33, Lucivia_31, LugYA_35, Lumos_21, MA5_31, MK4_31, MaCh_31, MacnCheese_27, Maco6_22, MadMarie_33, Mainiac_33, Malinsilva_35, Malthus_29, Maminiaina_32, Manu_34, MarQuardt_33, Marchesa_31, Marcoliusprime_23, Margo_32, Marie_33, Marius_34, McMater_27, Mdavu_23, Megiddo_21, Methuselah_32, Microwolf_33, MiculUcigas_31, Miko_34, Milly_23, MiniLon_21, MiniMac_21, Misomonster_35, MissDaisy_28, Mitti_28, MoneyMay_33, Montavir_32, Moostard_21, MsGreen_21, MuchMore_35, Muddy_24, Mufasa_23, Munch_31, Myxus_33, NaSiaTalie_31, Nergal_25, Nicholas_21, NicoleTera_35, Nikao_23, Niklas_27, Noella_32, Norbert_31, NothingSpecial_33, November_25, Nutello_23,

OKCentral2016_32, OlanP_33, Ollie_33, OmniCritical_28, Onglai_32, P28Green_33, PGHhamlin_35, PackMan_33, Panamaxus_31, Panchino_20, Patt_28, Pawn_33, PeaceMeal1_31, Peanam_27, Pembroke_33, PenguinLover67_32, Penny1_33, Phaded_35, Phaeder_33, Phalm_21, Phantastic_31, Pharb_26, PhelpsODU_26, Phineas_21, PhishRPhriends_32, Phloss_20, Phoebe_33, Phonnegut_33, Phoxy_33, Phrank_26, Phranny_34, Pioneer_33, Piro94_32, Pistachio_32, Pixie_26, Pocahontas_32, Poompha_31, Popcicle_32, PotatoSplit_34, Power_31, Priya_33, Prudy_34, Pukovnik_33, Puppy_32, PurpleHaze_33, Qhanda_29, Qobbit_33, QueenB2_31, QueenBeesly_31, Quesadilla_31, QuinnKiro_31, Rachaly_34, Reba_34, Rebeuca_34, Red305_21, RedRock_35, Reptar3000_28, ResDef_32, Retro23_31, RhynO_34, Richo_27, Rockstar_31, Roimos_31, Rowdy_37, Rummer_33, RyeScarlet_34, Sabia_33, Sabinator_33, Sachima_31, Saguaro_31, Salvus_25, Samty_21, SaturnRing_31, Scherzo_33, Scitech_20, Scout_31, SemperFi_33, Severus_31, SgtBeansprout_23, Shadow1_25, Shaobing_27, Shapes_37, ShedlockHolmes_26, Shweta_20, SkinnyPete_20, Sknot_31, Slarp_28, Smeagan_33, SnapTap_31, Snenia_21, Snickers_33, SoYo_33, SoilDragon_33, SororFago_31, Soshari_35, Spike509_33, Spouty_33, Squirty_19, Stagni_33, Stasia_32, StepMih_33, StressBall_21, Strobilo_23, Sunflower1121_25, SweetiePie_31, Syra333_26, TBond007_26, TClif_26, TM4_23, TNguyen7_31, TarsusIV_31, Taurus_33, Teejan_23, Terrific_35, Texage_31, Thonko_29, Tierra_26, Tiffany_33, Tigress9_26, TingHuaYa_27, TinyPebbles_33, Todacoro_32, Topanga_33, Torres_23, TriFive_21, TribbleTrouble_25, Trice_23, Trike_30, Tristan_33, Trixie_34, Trooper_31, Tubs_33, Turbido_33, Twister_33, Typha_27, Ugenie5_30, Unicorn_26, Updawg_33, Validus_27, Vanisoa_30, Veracruz_31, Vix_33, WalterMcMickey_33, Watson_33, WeiHuaDA_37, Whabigail7_33, Whirlwind_22, WideWale_33, Willsammy_21, Wintermute_28, Wooldri_35, Xen0_20, Ximenita_27, Y10_28, Y2_28, YasnayaPolyana_28, Yuna_28, Zarafa_31, Zenteno07_34, Zetzy_32, ZoeJ_23,

Summary by start number:

Start 1:

- Found in 1 of 593 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DeerParkTS_33 (A2),

Start 8:

- Found in 1 of 593 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Squirty_19 (F3),

Start 9:

- Found in 19 of 593 (3.2%) of genes in pham
- Manual Annotations of this start: 17 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andies_20 (N), CactusJack_21 (P1), Dynamo_21 (P1), Fulbright_20 (N), Gavriela_21 (P1), Glaske_21 (P1), Impisi_21 (N), KilKor_21 (P1), Megiddo_21 (P1), Panchino_20 (N), Phalm_21 (P1), Phineas_21 (P1), Phloss_20 (N), Scitech_20 (N), Shweta_20 (N), SkinnyPete_20 (N), StressBall_21 (P1), Willsammy_21 (P1), Xen0_20 (N),

Start 14:

- Found in 24 of 593 (4.0%) of genes in pham
- Manual Annotations of this start: 19 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bellis_21 (L3), BourbonZero_20 (L3), Clautastrophe_21 (L3), DuncansLeg_21 (L3), Ellson_21 (L3), Finnry_21 (L3), Jobypre_21 (L3), Jubie_21 (L3), Kingsolomon_21 (L3), KirDoubleO7_19 (L3), Krypton555_21 (L3), LiyuLake_21 (L3), Lolly9_21 (L3), Lumos_21 (L3), MiniLon_21 (L3), MiniMac_21 (L3), Moostard_21 (L3), MsGreen_21 (L3), Nicholas_21 (L3), Red305_21 (L3), Samty_21 (L3), Snenia_21 (L3), TriFive_21 (L3), Whirlwind_22 (L3),

Start 15:

- Found in 4 of 593 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_27 (Y), Faiyaz_27 (Y), Hilltopfarm_27 (Y), Typha_27 (Y),

Start 17:

- Found in 3 of 593 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 525
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bipper_27 (Y), Cracklewink_27 (Y),

Start 19:

- Found in 6 of 593 (1.0%) of genes in pham
- Manual Annotations of this start: 3 of 525
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Keziacharles14_31 (A9), Luchador_33 (A14), SororFago_31 (A14),

Start 20:

- Found in 36 of 593 (6.1%) of genes in pham
- Manual Annotations of this start: 36 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_23 (K2), Bryler_26 (K6), Cain_26 (K6), ChipMunk_33 (A2), DismalFunk_23 (K2), DismalStressor_23 (K2), Doughnut_23 (K2), EvilGenius_33 (A2), Findley_23 (K2), Gail_31 (A14), Hurricane_26 (K3), Keshu_26 (K3), KingCyrus_33 (A2), Krueger_26 (K6), Lea83_26 (K3), MacnCheese_27 (K3), Marcoliusprime_23 (K2), Milly_23 (K2), Mufasa_23 (K2), PhelpsODU_26 (K6), Phrank_26 (K6), Pixie_26 (K3), Shadow1_25 (K6), ShedlockHolmes_26 (K3), Strobilo_23 (K2), Sunflower1121_25 (K6), Syra333_26 (K6), TBond007_26 (K3), TClif_26 (K6), TM4_23 (K2), Tierra_26 (K6), Tigress9_26 (K6), TribbleTrouble_25 (K3), Unicorn_26 (K6), Ximenita_27 (K6), ZoeJ_23 (K2),

Start 22:

- Found in 3 of 593 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 525
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Arissanee_31 (A9), Vanisoa_30 (A9),

Start 23:

- Found in 2 of 593 (0.3%) of genes in pham

- Manual Annotations of this start: 2 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_33 (B9), PenguinLover67_32 (B9),

Start 24:

- Found in 1 of 593 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlovu_28 (B11),

Start 25:

- Found in 1 of 593 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Quesadilla_31 (B9),

Start 27:

- Found in 6 of 593 (1.0%) of genes in pham
- Manual Annotations of this start: 6 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hashim76_34 (B13), Imvubu_24 (B10), Knocker_32 (B9), Saguaro_31 (B7), Thonko_29 (B8), Zenteno07_34 (B13),

Start 39:

- Found in 52 of 593 (8.8%) of genes in pham
- Manual Annotations of this start: 43 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_23 (K1), Amgine_25 (K6), Amohnition_26 (K6), Applecrisp_25 (K6), Binglebops_23 (K1), Bobquesha_29 (K4), Chancellor_28 (K4), Chavito_27 (K1), Cheetobro_28 (K4), DarthP_26 (K6), Dartin_27 (K1), Ekdilam_24 (K6), Ellie_24 (K6), Enkosi_23 (K1), Fefferhead_26 (K6), Fionnbharth_28 (K4), Hammy_26 (K6), JF1_28 (K4), Kraw_28 (K4), LastHope_27 (K1), Lavahound_25 (K6), Lebo14_28 (K4), LilPharaoh_23 (K1), Malthus_29 (K4), McMater_27 (K1), Mdavu_23 (K1), MissDaisy_28 (K4), Mitti_28 (K4), Nikao_23 (K1), Niklas_27 (K1), November_25 (K6), Nutello_23 (K1), OmniCritical_28 (K4), Patt_28 (K4), Peanam_27 (K1), Pharb_26 (K3), Qhanda_29 (K4), Reptar3000_28 (K4), Richo_27 (K1), SgtBeansprout_23 (K1), Shaobing_27 (K1), Slarp_28 (K4), Teejan_23 (K1), TingHuaYa_27 (K1), Torres_23 (K1), Trice_23 (K1), Validus_27 (K1), Wintermute_28 (K4), Y10_28 (K4), Y2_28 (K4), YasnayaPolyana_28 (K4), Yuna_28 (K6),

Start 50:

- Found in 20 of 593 (3.4%) of genes in pham
- Manual Annotations of this start: 18 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_33 (A3), Calvinny_34 (A3), ClownCar_34 (A3), Gemma_33 (A3), Groupthink_34 (A3), HaveUMetTed_34 (A3), Heliosoles_33 (A3), JeppNRM_34 (A3), Jobu08_33 (A3), Kalb97_34 (A3), Kalnok_34 (A3), Manu_34 (A3), Marius_34 (A3), OlanP_33 (A3), Pawn_33 (A3), PhishRPhriends_32 (A3), Phranny_34 (A3), PurpleHaze_33 (A3), Reba_34 (A3), SoilDragon_33 (A3),

Start 54:

- Found in 29 of 593 (4.9%) of genes in pham
- Manual Annotations of this start: 25 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bactobuster_33 (A2), BiancaTri92_33 (A2), Chupacabra_32 (A10), DontArgue_31 (A10), Drake94_31 (A10), DustyMartin_37 (A10), Eaglepride_34 (A10), Edison31_33 (A10), Goose_32 (A10), Jaan_35 (A2), KittenMittens_31 (A10), Kristoff_34 (A10), Landor_33 (A2), Leogania_33 (A2), OKCentral2016_32 (A10), PeaceMeal1_31 (A10), Phaded_35 (A2), Poompha_31 (A10), Rebeuca_34 (A10), RhynO_34 (A10), Rowdy_37 (A10), Severus_31 (A10), Shapes_37 (A10), Stasia_32 (A4), Topanga_33 (A10), Trike_30 (A10), Tristan_33 (A2), Twister_33 (A10), WalterMcMickey_33 (A10),

Start 56:

- Found in 41 of 593 (6.9%) of genes in pham
- Manual Annotations of this start: 26 of 525
- Called 80.5% of time when present
- Phage (with cluster) where this start called: Aliter_33 (A9), Alma_33 (A9), Ayanochan_34 (A9), Beemo_33 (A9), BogosyJay_32 (A9), Catalina_34 (A9), Conquerage_33 (A9), Darrell_33 (A9), Eidsmoe_33 (A9), Elephantoon_32 (A9), EmyBug_33 (A9), ExplosioNervosa_33 (A9), Fayely_33 (A9), Hanray_32 (A9), Horex_32 (A9), HortumSL17_33 (A9), Jiawan_32 (A9), Lilleskat_31 (A9), LoneWolf_32 (A9), Maminiaina_32 (A9), Myxus_33 (A9), Onglai_32 (A9), PackMan_33 (A9), Phaeder_33 (A9), Phonnegut_33 (A9), Pioneer_33 (A9), Priya_33 (A9), Qobbit_33 (A9), RyeScarlet_34 (A9), Scherzo_33 (A9), Spouty_33 (A9), Tubs_33 (A9), Ugenie5_30 (A9),

Start 58:

- Found in 4 of 593 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Colin_35 (A2), Kalpine_34 (A2), Trixie_34 (A2), WeiHuaDA_37 (A2),

Start 60:

- Found in 40 of 593 (6.7%) of genes in pham
- Manual Annotations of this start: 32 of 525
- Called 90.0% of time when present
- Phage (with cluster) where this start called: AbbyPaige_33 (A2), Agape74_33 (A2), Baehexic_32 (A2), Benvolio_31 (A2), BobSwaget_34 (A2), Buggy_33 (A2), Centaur_33 (A2), Dignity_33 (A2), Drake55_33 (A2), Echild_31 (A2), Equemioh13_33 (A2), Flare16_31 (A2), Gratitude_32 (A2), HarryHoudini_33 (A2), HippoHollow_32 (A2), Iwokeuplikedis_32 (A2), Jerm_33 (A2), LadyBird_31 (A2), Larenn_32 (A2), Leviathan_33 (A2), LilTurb_33 (A2), LionsBait_32 (A2), Lokk_34 (A2), MiculUcigas_31 (A2), Miko_34 (A2), NaSiaTalie_31 (A2), NicoleTera_35 (A2), Piro94_32 (A2), Rachaly_34 (A2), Sknot_31 (A2), Smeagan_33 (A2), Terrific_35 (A2), Turbido_33 (A2), Updawg_33 (A2), Whabigail7_33 (A2), WideWale_33 (A2),

Start 61:

- Found in 36 of 593 (6.1%) of genes in pham
- Manual Annotations of this start: 29 of 525
- Called 100.0% of time when present

- Phage (with cluster) where this start called: 20ES_31 (A2), 40AC_34 (A17), AnnaL29_35 (A2), Anselm_31 (A2), ArcherNM_34 (A2), BabyBack_33 (A2), BengiVuitton_32 (A2), CRB1_31 (A2), Changeling_34 (A2), Crucio_31 (A2), Dalmatian_31 (A2), Deloris_32 (A2), DudeLittle_31 (A2), EZMoney23_35 (A2), Fameo_31 (A2), FiringLine_31 (A2), First_0031 (A2), ForesterFrank_33 (A2), GaugeLDP_33 (A2), Georgie2_32 (A2), Heffalump_33 (A2), IronMan_34 (A2), JoshKayV_33 (A2), Loser_35 (A2), NothingSpecial_33 (A2), Power_31 (A2), Prudy_34 (A2), QueenB2_31 (A2), QueenBeesly_31 (A2), RedRock_35 (A2), Retro23_31 (A2), SemperFi_33 (A2), SnapTap_31 (A2), SweetiePie_31 (A2), TarsusIV_31 (A2), Trooper_31 (A2),

Start 62:

- Found in 21 of 593 (3.5%) of genes in pham
- No Manual Annotations of this start.
- Called 9.5% of time when present
- Phage (with cluster) where this start called: EdogawaKiddo_31 (A9), Sachima_31 (A9),

Start 79:

- Found in 6 of 593 (1.0%) of genes in pham
- Manual Annotations of this start: 2 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_24 (AB), FF47_24 (AB), LongHai_25 (AB), Maco6_22 (AB), Muddy_24 (AB), Salvus_25 (AB),

Start 198:

- Found in 19 of 593 (3.2%) of genes in pham
- Manual Annotations of this start: 11 of 525
- Called 57.9% of time when present
- Phage (with cluster) where this start called: Aneem_31 (A11), Bachome_31 (A11), Bowtie_31 (A11), Flaverint_31 (A11), Gilberta_31 (A11), Insomnia_31 (A11), Jabith_31 (A11), Joselito_31 (A11), Lucivia_31 (A11), MaCh_31 (A11), Munch_31 (A11),

Start 205:

- Found in 146 of 593 (24.6%) of genes in pham
- Manual Annotations of this start: 143 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbysRanger_31 (A4), Abdiel_30 (A4), Achebe_30 (A4), Albee_31 (A4), Alberto7_32 (A4), Annyong_31 (A4), Arturo_30 (A4), AvatarAhPeg_32 (A4), Avle17_31 (A4), Baby16_31 (A4), Backyardigan_31 (A4), Badger_31 (A4), BangNhom_31 (A4), Bartimeaus_31 (A4), BellusTerra_31 (A4), Blackmoor_31 (A4), Bombshell_31 (A4), Broseidon_31 (A4), Bruiser_30 (A4), BubbleTrouble_31 (A4), Bumblebee11_31 (A4), Burger_30 (A4), Caelakin_31 (A4), Camperdownii_30 (A4), CentreCat_31 (A4), Cerulean_32 (A4), ChampagnePapi_32 (A4), Chaph_31 (A4), Cici_31 (A4), Cindaradix_30 (A4), Cintron_31 (A4), Citius_31 (A4), Clarenza_31 (A4), Cocoaberry_31 (A4), Commander_31 (A4), Connomayer_31 (A4), Datway_31 (A4), Deano_31 (A4), Dhanush_31 (A4), DirtyDunning_31 (A4), Druantia_31 (A4), Eagle_30 (A4), Eapen_31 (A4), Eris_30 (A4), Eros_31 (A4), Eurydice_31 (A4), Florean_31 (A4), Flux_31 (A4), Funston_31 (A4), Gadost_31 (A4), HamSlice_30 (A4), Happiness_31 (A4), Holli_31 (A4), Houdini22_31 (A4), Huxley_31 (A4), ICleared_31 (A4), Iceman_32 (A4), Iracema64_32 (A4), Jaykayelowell_31 (A4), JetBlade_31 (A4), JoongJeon_31 (A4), KFPoly_31 (A4), Kampy_31 (A4),

Katalie136_31 (A4), KekoraPapaka_30 (A4), Kingmustik0402_31 (A4), Koan_31 (A4), Koreni_30 (A4), Kratark_31 (A4), Kremtemulon_31 (A4), Kyee_31 (A4), LHTSCC_32 (A4), LappelDuVide_31 (A4), Lemur_31 (A4), LeoAvram_31 (A4), LittleB_31 (A4), LittleGuy_31 (A4), LochMonster_31 (A4), Lorenzo_31 (A4), Lunsford_32 (A4), Maverick_31 (A4), Maxo_31 (A4), Mayonnaise_31 (A4), Mazhar510_31 (A4), Medusa_31 (A4), MeeZee_31 (A4), Melvin_31 (A4), Millski_30 (A4), Miramae_31 (A4), Morpher26_31 (A4), Morrow_31 (A4), Mundrea_31 (A4), MyraDee_29 (A18), Nebs_31 (A4), Nemo27_31 (A4), Noelle_31 (A4), NorthStar_31 (A4), NotAPhaseMom_31 (A4), Nyxis_31 (A4), OKaNui_32 (A4), Obama12_32 (A4), Ohfah_31 (A4), Palestino_30 (A4), Peaches_31 (A4), Perplexer_31 (A4), PeterPeter_31 (A4), PetiteSangsue_31 (A4), Phacado_31 (A4), Phelipe_31 (A4), Phighter1804_31 (A4), Phontbonne_31 (A4), Pipcraft_31 (A4), Polymorphads_31 (A4), Pumbaa_31 (A4), Relief_31 (A4), RockieBear_30 (A4), Romney_31 (A4), Roosevelt_31 (A4), Rosa24_30 (A4), Ruin_31 (A4), Sabertooth_31 (A4), Scamp_31 (A4), SenorClean_31 (A4), Shaka_31 (A4), SheldonCooper_32 (A4), Shygu2_31 (A4), Skipitt_31 (A4), Sparxx_31 (A4), Spino_31 (A4), SteMason_31 (A4), Stink_32 (A4), Sultana_31 (A4), Taquarus_31 (A4), Thanksgivukkah_31 (A4), TinaFeyge_31 (A4), Tinybot_30 (A4), TiroTheta9_31 (A4), TroyPia_31 (A4), TygerBlood_31 (A4), Ulysses_30 (A4), Wander_31 (A4), Wilbur_31 (A4), Wile_31 (A4), Wizard007_31 (A4), Xena_31 (A4), YoSam321_31 (A4),

Start 212:

- Found in 1 of 593 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 525
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pukovnik_33 (A2),

Start 227:

- Found in 7 of 593 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 525
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Phantastic_31 (A3),

Start 228:

- Found in 50 of 593 (8.4%) of genes in pham
- Manual Annotations of this start: 32 of 525
- Called 86.0% of time when present
- Phage (with cluster) where this start called: B1_29 (A3), BabyJohn_30 (A3), BabyRay_31 (A3), BlueBird_32 (A3), Bugatti_31 (A3), Caviar_32 (A3), Chiqui_30 (A3), Clammy_31 (A3), DropBear_31 (A3), EtoileNova_32 (A3), Fred313_31 (A3), Giroux_32 (A3), Heathen_31 (A3), HelDan_31 (A3), Hookmount_32 (A3), Idleandcovert_31 (A3), Isca_31 (A3), JF2_31 (A3), JF4_31 (A3), Kachowdy_31 (A3), Lambert1_32 (A3), MA5_31 (A3), MK4_31 (A3), Marchesa_31 (A3), Margo_32 (A3), Noella_32 (A3), Norbert_31 (A3), Panamaxus_31 (A3), Pistachio_32 (A3), Pocahontas_32 (A3), Popcicle_32 (A3), Puppy_32 (A3), QuinnKiro_31 (A3), ResDef_32 (A3), Rockstar_31 (A3), Roimos_31 (A3), SaturnRing_31 (A3), Scout_31 (A3), TNguyen7_31 (A3), Texage_31 (A3), Todacoro_32 (A3), Veracruz_31 (A3), Zarafa_31 (A3),

Start 254:

- Found in 14 of 593 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 525
- Called 7.1% of time when present

- Phage (with cluster) where this start called: Nergal_25 (AG),

Start 298:

- Found in 171 of 593 (28.8%) of genes in pham
- Manual Annotations of this start: 65 of 525
- Called 40.9% of time when present
- Phage (with cluster) where this start called: Aglet_33 (A3), AgronaGT15_33 (A3), Anubis_35 (A3), AugsMagnumOpus_35 (A3), Beauxregard13_33 (A3), Bigflo_33 (A3), BreSam8_33 (A3), BuzzBuzz_32 (A3), Bxz2_32 (A3), Colbster_33 (A3), Croquant_34 (A3), Cullens_33 (A3), DaHudson_33 (A3), Daishi_32 (A3), Dieselweasel_33 (A3), EpicPhail_33 (A3), Farber_33 (A3), Fernando_33 (A3), GingkoMaracino_33 (A3), Grif_33 (A3), Grub_33 (A3), Grum1_33 (A3), GtownJaz_33 (A3), Gwennie_32 (A3), HashRod_34 (A3), Hercules11_33 (A3), JHC117_33 (A3), JenCasNa_33 (A3), KADY_34 (A3), LBerry_33 (A3), LarryKay_33 (A3), Lilith_33 (A3), Louie6_33 (A3), Iowa_33 (A3), LugYA_35 (A3), MadMarie_33 (A3), Mainiac_33 (A3), Malinsilva_35 (A3), MarQuardt_33 (A3), Marie_33 (A3), Methuselah_32 (A3), Microwolf_33 (A3), Misomonster_35 (A3), MoneyMay_33 (A3), Montavir_32 (A3), MuchMore_35 (A3), Ollie_33 (A3), P28Green_33 (A3), PGHhamlin_35 (A3), Pembroke_33 (A3), Penny1_33 (A3), Phoebe_33 (A3), Phoxy_33 (A3), PotatoSplit_34 (A3), Rummer_33 (A3), Sabia_33 (A3), Sabinator_33 (A3), Snickers_33 (A3), SoYo_33 (A3), Soshari_35 (A3), Spike509_33 (A3), Stagni_33 (A3), StepMih_33 (A3), Taurus_33 (A3), Tiffany_33 (A3), TinyPebbles_33 (A3), Vix_33 (A3), Watson_33 (A3), Wooldri_35 (A3), Zetzy_32 (A3),

Summary by clusters:

There are 27 clusters represented in this pham: K4, K3, K2, K1, P1, K6, B10, B11, A14, A17, A11, A10, A18, A3, A2, A4, A9, AB, AG, N, L3, Y, F3, B7, B8, B9, B13,

Info for manual annotations of cluster A10:

- Start number 54 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 198 was manually annotated 11 times for cluster A11.

Info for manual annotations of cluster A14:

- Start number 19 was manually annotated 2 times for cluster A14.
- Start number 20 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:

- Start number 205 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:

- Start number 20 was manually annotated 3 times for cluster A2.
- Start number 54 was manually annotated 7 times for cluster A2.
- Start number 58 was manually annotated 2 times for cluster A2.
- Start number 60 was manually annotated 32 times for cluster A2.
- Start number 61 was manually annotated 29 times for cluster A2.
- Start number 212 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A3:

- Start number 50 was manually annotated 18 times for cluster A3.

- Start number 227 was manually annotated 1 time for cluster A3.
- Start number 228 was manually annotated 32 times for cluster A3.
- Start number 298 was manually annotated 65 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 54 was manually annotated 1 time for cluster A4.
- Start number 205 was manually annotated 142 times for cluster A4.

Info for manual annotations of cluster A9:

- Start number 19 was manually annotated 1 time for cluster A9.
- Start number 22 was manually annotated 2 times for cluster A9.
- Start number 56 was manually annotated 26 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 79 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 254 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster B10:

- Start number 27 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 24 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B13:

- Start number 27 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B7:

- Start number 27 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 27 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 23 was manually annotated 2 times for cluster B9.
- Start number 25 was manually annotated 1 time for cluster B9.
- Start number 27 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster F3:

- Start number 8 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster K1:

- Start number 39 was manually annotated 14 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 20 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 20 was manually annotated 8 times for cluster K3.
- Start number 39 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K4:

- Start number 39 was manually annotated 17 times for cluster K4.

Info for manual annotations of cluster K6:

- Start number 20 was manually annotated 13 times for cluster K6.
- Start number 39 was manually annotated 11 times for cluster K6.

Info for manual annotations of cluster L3:

- Start number 14 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster N:

- Start number 9 was manually annotated 7 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 9 was manually annotated 10 times for cluster P1.

Info for manual annotations of cluster Y:

- Start number 15 was manually annotated 4 times for cluster Y.
- Start number 17 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: 20ES_31 Start: 22797, Stop: 25202, Start Num: 61

Candidate Starts for 20ES_31:

(Start: 61 @22797 has 29 MA's), (69, 22818), (98, 22908), (101, 22917), (108, 22938), (127, 23001), (139, 23037), (168, 23118), (191, 23187), (197, 23208), (199, 23217), (246, 23328), (252, 23349), (Start: 298 @23439 has 65 MA's), (303, 23454), (341, 23574), (352, 23607), (355, 23616), (383, 23715), (389, 23742), (449, 23955), (468, 24045), (470, 24063), (477, 24087), (512, 24288), (520, 24327), (524, 24348), (539, 24384), (549, 24417), (553, 24438), (561, 24474), (576, 24528), (587, 24579), (591, 24600), (613, 24705), (619, 24720), (669, 24930), (704, 24999), (771, 25170), (773, 25179), (774, 25185),

Gene: 40AC_34 Start: 24978, Stop: 26762, Start Num: 61

Candidate Starts for 40AC_34:

(Start: 61 @24978 has 29 MA's), (69, 24999), (101, 25098), (103, 25104), (110, 25131), (120, 25167), (127, 25188), (139, 25224), (143, 25236), (150, 25248), (179, 25350), (274, 25371), (307, 25425), (311, 25437), (449, 25503), (468, 25593), (470, 25611), (477, 25635), (497, 25770), (512, 25836), (520, 25875), (549, 25965), (561, 26022), (579, 26088), (590, 26145), (628, 26307), (658, 26445), (661, 26469), (695, 26547), (703, 26559), (736, 26622), (740, 26640), (774, 26745),

Gene: 8UZL_24 Start: 19399, Stop: 21717, Start Num: 79

Candidate Starts for 8UZL_24:

(Start: 79 @19399 has 2 MA's), (139, 19600), (156, 19645), (161, 19657), (196, 19768), (219, 19834), (292, 19975), (339, 20107), (351, 20146), (357, 20158), (369, 20197), (375, 20215), (384, 20251), (403, 20311), (427, 20386), (442, 20413), (455, 20476), (467, 20533), (501, 20728), (518, 20797), (520, 20815), (521, 20821), (522, 20824), (523, 20827), (526, 20851), (555, 20944), (556, 20950), (575, 21028), (588, 21076), (589, 21079), (604, 21157), (619, 21223), (622, 21235), (636, 21298), (640, 21319), (645, 21340), (658, 21397), (660, 21418), (678, 21457), (694, 21499), (711, 21532), (713, 21538), (720, 21553), (751, 21637),

Gene: ACFishhook_33 Start: 23442, Stop: 25250, Start Num: 50

Candidate Starts for ACFishhook_33:

(Start: 50 @23442 has 18 MA's), (98, 23577), (116, 23643), (131, 23688), (132, 23691), (179, 23838), (282, 23883), (307, 23913), (468, 24081), (470, 24099), (477, 24123), (503, 24285), (512, 24324), (520, 24363), (549, 24453), (587, 24615), (591, 24636), (610, 24723), (624, 24780), (628, 24795), (641, 24858), (658, 24933), (660, 24954), (703, 25047), (722, 25086), (740, 25128), (773, 25227),

Gene: AbbyPaige_33 Start: 23268, Stop: 25358, Start Num: 60

Candidate Starts for AbbyPaige_33:

(Start: 60 @23268 has 32 MA's), (98, 23382), (101, 23391), (103, 23397), (127, 23481), (143, 23529), (174, 23619), (179, 23643), (199, 23697), (Start: 298 @23808 has 65 MA's), (341, 23943), (468, 24180), (470, 24198), (477, 24222), (493, 24330), (506, 24393), (512, 24423), (520, 24462), (549, 24552), (561, 24609), (562, 24612), (578, 24669), (587, 24714), (591, 24735), (631, 24912), (632, 24924), (640, 24951), (661, 25056), (705, 25146), (753, 25269), (758, 25281), (767, 25305), (774, 25335), (778, 25350),

Gene: AbbysRanger_31 Start: 22986, Stop: 24845, Start Num: 205

Candidate Starts for AbbysRanger_31:

(181, 22926), (Start: 205 @22986 has 143 MA's), (230, 23052), (251, 23097), (Start: 254 @23103 has 1 MA's), (279, 23136), (296, 23154), (315, 23199), (317, 23205), (319, 23211), (352, 23304), (360, 23319), (385, 23391), (408, 23451), (427, 23502), (431, 23514), (455, 23592), (469, 23661), (489, 23784), (494, 23808), (510, 23889), (520, 23934), (522, 23943), (523, 23946), (556, 24075), (557, 24084), (567, 24126), (575, 24153), (585, 24189), (590, 24216), (594, 24228), (627, 24384), (665, 24558), (670, 24564), (687, 24609), (712, 24660), (713, 24663), (731, 24699), (744, 24735),

Gene: Abdiel_30 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Abdiel_30:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (665, 24526), (670, 24532), (687, 24577), (703, 24610), (712, 24628), (713, 24631), (731, 24667), (744, 24703),

Gene: Achebe_30 Start: 22969, Stop: 24828, Start Num: 205

Candidate Starts for Achebe_30:

(181, 22909), (Start: 205 @22969 has 143 MA's), (230, 23035), (251, 23080), (Start: 254 @23086 has 1 MA's), (279, 23119), (296, 23137), (315, 23182), (317, 23188), (319, 23194), (352, 23287), (360, 23302), (385, 23374), (408, 23434), (427, 23485), (431, 23497), (455, 23575), (469, 23644), (489, 23767), (494, 23791), (510, 23872), (520, 23917), (522, 23926), (523, 23929), (556, 24058), (557, 24067), (567, 24109), (575, 24136), (585, 24172), (590, 24199), (594, 24211), (627, 24367), (665, 24541), (670, 24547), (687, 24592), (712, 24643), (713, 24646), (731, 24682), (744, 24718),

Gene: Agape74_33 Start: 23244, Stop: 25334, Start Num: 60

Candidate Starts for Agape74_33:

(Start: 60 @23244 has 32 MA's), (98, 23358), (101, 23367), (103, 23373), (127, 23457), (143, 23505), (174, 23595), (179, 23619), (199, 23673), (Start: 298 @23784 has 65 MA's), (341, 23919), (468, 24156), (470, 24174), (477, 24198), (493, 24306), (506, 24369), (512, 24399), (520, 24438), (549, 24528), (561, 24585), (562, 24588), (578, 24645), (587, 24690), (591, 24711), (631, 24888), (632, 24900), (640, 24927), (661, 25032), (705, 25122), (753, 25245), (758, 25257), (767, 25281), (774, 25311), (778, 25326),

Gene: Aglet_33 Start: 23278, Stop: 25035, Start Num: 298

Candidate Starts for Aglet_33:

(Start: 298 @23278 has 65 MA's), (341, 23413), (363, 23479), (376, 23524), (385, 23560), (427, 23692), (436, 23728), (444, 23749), (455, 23806), (468, 23866), (480, 23920), (487, 23980), (509,

24100), (510, 24103), (525, 24172), (537, 24196), (561, 24289), (566, 24310), (579, 24355), (651, 24685), (670, 24754), (695, 24817), (770, 24988),

Gene: AgronaGT15_33 Start: 23185, Stop: 24936, Start Num: 298

Candidate Starts for AgronaGT15_33:

(Start: 298 @23185 has 65 MA's), (341, 23320), (363, 23386), (376, 23431), (385, 23467), (422, 23578), (427, 23599), (436, 23635), (444, 23656), (468, 23773), (492, 23911), (509, 24007), (510, 24010), (525, 24079), (537, 24103), (551, 24148), (561, 24196), (579, 24262), (614, 24433), (616, 24439), (629, 24490), (639, 24535), (647, 24565), (658, 24613), (670, 24655), (677, 24670), (678, 24673), (687, 24697), (741, 24799), (742, 24802), (747, 24826),

Gene: Albee_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Albee_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Alberto7_32 Start: 23262, Stop: 25118, Start Num: 205

Candidate Starts for Alberto7_32:

(Start: 205 @23262 has 143 MA's), (262, 23388), (279, 23412), (331, 23517), (332, 23523), (349, 23571), (352, 23580), (369, 23622), (385, 23667), (387, 23673), (427, 23778), (431, 23790), (455, 23868), (469, 23937), (510, 24165), (517, 24189), (518, 24192), (522, 24219), (523, 24222), (552, 24327), (556, 24348), (557, 24357), (585, 24462), (594, 24501), (602, 24546), (637, 24708), (639, 24714), (665, 24831), (670, 24837), (687, 24882), (712, 24933), (713, 24936), (741, 24999), (744, 25008), (773, 25095),

Gene: Aliter_33 Start: 24305, Stop: 26071, Start Num: 56

Candidate Starts for Aliter_33:

(Start: 56 @24305 has 26 MA's), (62, 24317), (116, 24491), (150, 24581), (169, 24626), (172, 24635), (Start: 298 @24713 has 65 MA's), (308, 24737), (322, 24773), (468, 24902), (470, 24920), (512, 25145), (518, 25166), (520, 25184), (549, 25274), (561, 25331), (590, 25454), (619, 25577), (628, 25616), (639, 25673), (658, 25754), (660, 25775), (661, 25778), (703, 25868), (747, 25979), (774, 26054),

Gene: Alma_33 Start: 24420, Stop: 26186, Start Num: 56

Candidate Starts for Alma_33:

(Start: 56 @24420 has 26 MA's), (116, 24606), (150, 24696), (169, 24741), (172, 24750), (308, 24852), (322, 24888), (468, 25017), (470, 25035), (512, 25260), (518, 25281), (520, 25299), (549, 25389), (561, 25446), (590, 25569), (619, 25692), (624, 25716), (628, 25731), (658, 25869), (660, 25890), (661, 25893), (662, 25899), (703, 25983), (761, 26133), (774, 26169),

Gene: Amelie_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Amelie_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574),

(665, 22589), (680, 22616), (708, 22673),

Gene: Amgine_25 Start: 20975, Stop: 23359, Start Num: 39

Candidate Starts for Amgine_25:

(Start: 39 @20975 has 43 MA's), (52, 21005), (59, 21023), (90, 21107), (145, 21281), (190, 21413), (218, 21503), (236, 21545), (259, 21596), (293, 21638), (295, 21641), (318, 21698), (326, 21722), (327, 21728), (339, 21767), (360, 21824), (389, 21920), (438, 22037), (455, 22106), (464, 22145), (467, 22163), (469, 22175), (493, 22319), (521, 22454), (522, 22457), (523, 22460), (530, 22499), (549, 22553), (584, 22694), (585, 22700), (589, 22715), (590, 22727), (597, 22757), (613, 22844), (615, 22850), (649, 23000), (662, 23063), (673, 23090), (679, 23099), (735, 23201), (740, 23222), (741, 23225), (775, 23333),

Gene: Amohnition_26 Start: 21373, Stop: 23781, Start Num: 39

Candidate Starts for Amohnition_26:

(Start: 39 @21373 has 43 MA's), (43, 21382), (59, 21421), (102, 21544), (116, 21601), (120, 21613), (145, 21679), (150, 21688), (165, 21733), (190, 21811), (218, 21901), (222, 21907), (236, 21943), (259, 21994), (293, 22036), (295, 22039), (304, 22060), (326, 22120), (327, 22126), (389, 22318), (438, 22435), (455, 22504), (464, 22543), (467, 22561), (469, 22573), (493, 22717), (521, 22852), (523, 22858), (530, 22897), (549, 22951), (559, 23005), (584, 23092), (585, 23098), (589, 23113), (590, 23125), (597, 23155), (613, 23242), (615, 23248), (649, 23398), (660, 23452), (737, 23611), (740, 23626), (741, 23629), (775, 23755),

Gene: Andies_20 Start: 17553, Stop: 20192, Start Num: 9

Candidate Starts for Andies_20:

(7, 17541), (Start: 9 @17553 has 17 MA's), (11, 17565), (12, 17577), (Start: 19 @17631 has 3 MA's), (40, 17700), (42, 17703), (45, 17712), (52, 17727), (109, 17904), (135, 17985), (137, 17994), (159, 18051), (164, 18066), (177, 18117), (202, 18189), (214, 18219), (226, 18255), (250, 18318), (259, 18333), (274, 18360), (279, 18366), (318, 18441), (326, 18465), (327, 18471), (343, 18525), (345, 18531), (374, 18618), (413, 18750), (419, 18768), (427, 18801), (434, 18828), (447, 18879), (487, 19089), (497, 19155), (505, 19191), (523, 19290), (525, 19302), (545, 19365), (585, 19527), (589, 19542), (599, 19593), (624, 19710), (632, 19755), (643, 19797), (650, 19833), (661, 19887), (682, 19935), (747, 20079), (765, 20136), (774, 20175), (777, 20184),

Gene: Aneem_31 Start: 23397, Stop: 25388, Start Num: 198

Candidate Starts for Aneem_31:

(Start: 198 @23397 has 11 MA's), (238, 23508), (244, 23517), (271, 23574), (281, 23589), (294, 23607), (300, 23619), (325, 23667), (329, 23685), (333, 23688), (372, 23808), (404, 23922), (413, 23943), (419, 23961), (427, 23994), (469, 24177), (476, 24207), (477, 24210), (505, 24384), (507, 24390), (510, 24414), (513, 24420), (525, 24495), (545, 24558), (555, 24600), (556, 24606), (587, 24729), (597, 24777), (599, 24786), (624, 24903), (625, 24906), (632, 24948), (643, 24990), (650, 25026), (661, 25080), (682, 25131), (685, 25137), (690, 25143), (708, 25185), (747, 25275), (765, 25332), (774, 25371), (777, 25380),

Gene: AnnaL29_35 Start: 25114, Stop: 26892, Start Num: 61

Candidate Starts for AnnaL29_35:

(Start: 61 @25114 has 29 MA's), (98, 25225), (101, 25234), (127, 25321), (139, 25357), (143, 25369), (150, 25381), (282, 25528), (Start: 298 @25537 has 65 MA's), (307, 25558), (311, 25570), (468, 25726), (470, 25744), (493, 25876), (512, 25969), (520, 26008), (539, 26065), (549, 26098), (561, 26155), (576, 26209), (590, 26278), (619, 26401), (628, 26440), (634, 26470), (658, 26575), (660, 26596), (661, 26599), (703, 26689), (740, 26770), (758, 26830),

Gene: Annyong_31 Start: 22961, Stop: 24817, Start Num: 205

Candidate Starts for Annyong_31:

(Start: 205 @22961 has 143 MA's), (262, 23087), (279, 23111), (331, 23216), (332, 23222), (349, 23270), (352, 23279), (369, 23321), (385, 23366), (387, 23372), (427, 23477), (431, 23489), (455, 23567), (469, 23636), (510, 23864), (517, 23888), (518, 23891), (522, 23918), (523, 23921), (552, 24026), (556, 24047), (557, 24056), (585, 24161), (594, 24200), (602, 24245), (639, 24413), (665, 24530), (670, 24536), (687, 24581), (712, 24632), (713, 24635), (741, 24698), (744, 24707), (773, 24794),

Gene: Anselm_31 Start: 22873, Stop: 25074, Start Num: 61

Candidate Starts for Anselm_31:

(Start: 61 @22873 has 29 MA's), (69, 22894), (101, 22993), (119, 23056), (127, 23083), (139, 23119), (174, 23221), (176, 23233), (199, 23299), (Start: 298 @23410 has 65 MA's), (340, 23542), (341, 23545), (468, 23899), (470, 23917), (477, 23941), (512, 24142), (520, 24181), (549, 24271), (561, 24328), (578, 24388), (587, 24433), (591, 24454), (613, 24559), (619, 24574), (632, 24643), (640, 24670), (649, 24715), (661, 24775), (671, 24799), (744, 24949), (758, 24997), (767, 25021),

Gene: Anubis_35 Start: 23163, Stop: 24920, Start Num: 298

Candidate Starts for Anubis_35:

(Start: 298 @23163 has 65 MA's), (341, 23298), (363, 23364), (376, 23409), (385, 23445), (427, 23577), (436, 23613), (444, 23634), (455, 23691), (468, 23751), (480, 23805), (487, 23865), (509, 23985), (510, 23988), (525, 24057), (537, 24081), (561, 24174), (566, 24195), (579, 24240), (651, 24570), (670, 24639), (695, 24702), (770, 24873),

Gene: Applecrisp_25 Start: 21389, Stop: 23770, Start Num: 39

Candidate Starts for Applecrisp_25:

(Start: 39 @21389 has 43 MA's), (52, 21419), (59, 21437), (90, 21521), (145, 21695), (190, 21827), (218, 21917), (236, 21959), (259, 22010), (293, 22052), (295, 22055), (318, 22112), (326, 22136), (327, 22142), (339, 22181), (360, 22238), (389, 22334), (438, 22451), (455, 22520), (464, 22559), (467, 22577), (469, 22589), (493, 22733), (521, 22868), (522, 22871), (523, 22874), (530, 22913), (549, 22967), (584, 23105), (585, 23111), (589, 23126), (590, 23138), (597, 23168), (613, 23255), (615, 23261), (640, 23366), (646, 23390), (649, 23411), (662, 23474), (740, 23633), (741, 23636), (775, 23744),

Gene: ArcherNM_34 Start: 25064, Stop: 26842, Start Num: 61

Candidate Starts for ArcherNM_34:

(Start: 61 @25064 has 29 MA's), (69, 25085), (98, 25175), (101, 25184), (127, 25271), (139, 25307), (143, 25319), (150, 25331), (Start: 298 @25487 has 65 MA's), (307, 25508), (311, 25520), (449, 25586), (468, 25676), (470, 25694), (477, 25718), (500, 25862), (512, 25919), (520, 25958), (539, 26015), (549, 26048), (561, 26105), (576, 26159), (590, 26228), (619, 26351), (624, 26375), (628, 26390), (658, 26525), (660, 26546), (703, 26639), (740, 26720), (758, 26780), (774, 26825),

Gene: Arissanae_31 Start: 22459, Stop: 24807, Start Num: 22

Candidate Starts for Arissanae_31:

(Start: 19 @22453 has 3 MA's), (Start: 22 @22459 has 2 MA's), (55, 22558), (68, 22591), (93, 22666), (115, 22726), (162, 22816), (197, 22918), (204, 22945), (217, 22981), (245, 23050), (335, 23266), (349, 23308), (381, 23398), (387, 23425), (451, 23572), (455, 23590), (477, 23674), (479, 23683), (481, 23689), (509, 23869), (523, 23929), (540, 23977), (544, 23989), (587, 24169), (590, 24187), (599, 24226), (605, 24256), (614, 24301), (624, 24337), (625, 24340), (638, 24403), (678, 24547), (706, 24613), (760, 24727), (770, 24772), (773, 24784),

Gene: Arturo_30 Start: 23069, Stop: 24925, Start Num: 205

Candidate Starts for Arturo_30:

(Start: 205 @23069 has 143 MA's), (262, 23195), (279, 23219), (331, 23324), (332, 23330), (349, 23378), (352, 23387), (369, 23429), (385, 23474), (387, 23480), (427, 23585), (431, 23597), (452,

23660), (455, 23675), (469, 23744), (510, 23972), (517, 23996), (518, 23999), (522, 24026), (523, 24029), (552, 24134), (556, 24155), (557, 24164), (585, 24269), (594, 24308), (602, 24353), (624, 24452), (665, 24638), (670, 24644), (687, 24689), (712, 24740), (713, 24743), (741, 24806), (744, 24815), (773, 24902),

Gene: AugsMagnumOpus_35 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for AugsMagnumOpus_35:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: AuntGwenStacy_27 Start: 23429, Stop: 26023, Start Num: 15

Candidate Starts for AuntGwenStacy_27:

(Start: 15 @23429 has 4 MA's), (21, 23468), (45, 23543), (83, 23645), (86, 23654), (107, 23732), (135, 23813), (137, 23822), (154, 23867), (155, 23870), (159, 23879), (163, 23891), (164, 23894), (171, 23918), (177, 23945), (178, 23954), (202, 24017), (226, 24083), (240, 24119), (242, 24122), (279, 24194), (283, 24200), (318, 24269), (343, 24353), (370, 24434), (376, 24455), (427, 24629), (434, 24656), (447, 24707), (456, 24752), (468, 24803), (469, 24812), (484, 24890), (503, 25013), (504, 25016), (505, 25019), (525, 25130), (545, 25193), (556, 25241), (580, 25328), (585, 25355), (587, 25364), (589, 25370), (599, 25421), (624, 25538), (625, 25541), (643, 25625), (650, 25661), (658, 25691), (661, 25715), (682, 25766), (685, 25772), (690, 25778), (739, 25880), (748, 25916), (774, 26006), (777, 26015),

Gene: AvatarAhPeg_32 Start: 23239, Stop: 25098, Start Num: 205

Candidate Starts for AvatarAhPeg_32:

(Start: 205 @23239 has 143 MA's), (230, 23305), (279, 23389), (296, 23407), (315, 23452), (332, 23500), (352, 23557), (369, 23599), (387, 23650), (394, 23671), (408, 23704), (427, 23755), (431, 23767), (450, 23821), (455, 23845), (469, 23914), (510, 24142), (518, 24169), (522, 24196), (523, 24199), (552, 24307), (556, 24328), (557, 24337), (575, 24406), (585, 24442), (594, 24481), (608, 24550), (637, 24688), (665, 24811), (670, 24817), (741, 24979), (744, 24988),

Gene: Avle17_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Avle17_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Ayanochan_34 Start: 24410, Stop: 26176, Start Num: 56

Candidate Starts for Ayanochan_34:

(Start: 56 @24410 has 26 MA's), (116, 24596), (150, 24686), (169, 24731), (172, 24740), (Start: 298 @24818 has 65 MA's), (308, 24842), (322, 24878), (468, 25007), (470, 25025), (512, 25250), (518, 25271), (520, 25289), (549, 25379), (561, 25436), (590, 25559), (619, 25682), (628, 25721), (639, 25778), (658, 25859), (660, 25880), (661, 25883), (694, 25958), (703, 25973), (747, 26084), (774, 26159),

Gene: B1_29 Start: 22527, Stop: 24386, Start Num: 228

Candidate Starts for B1_29:

(Start: 228 @22527 has 32 MA's), (299, 22653), (305, 22671), (314, 22686), (328, 22728), (349, 22791), (399, 22944), (400, 22947), (407, 22968), (417, 22995), (436, 23070), (450, 23121), (468,

23208), (477, 23250), (520, 23490), (539, 23547), (549, 23580), (570, 23673), (578, 23697), (599, 23802), (613, 23868), (619, 23883), (656, 24054), (695, 24159), (725, 24213), (742, 24252), (758, 24306), (767, 24333), (773, 24357),

Gene: Baby16_31 Start: 22969, Stop: 24825, Start Num: 205

Candidate Starts for Baby16_31:

(Start: 205 @22969 has 143 MA's), (262, 23095), (279, 23119), (331, 23224), (332, 23230), (349, 23278), (352, 23287), (369, 23329), (385, 23374), (387, 23380), (427, 23485), (431, 23497), (455, 23575), (469, 23644), (510, 23872), (517, 23896), (518, 23899), (522, 23926), (523, 23929), (552, 24034), (557, 24064), (560, 24079), (585, 24169), (594, 24208), (602, 24253), (639, 24421), (665, 24538), (670, 24544), (687, 24589), (712, 24640), (713, 24643), (741, 24706), (744, 24715), (773, 24802),

Gene: BabyBack_33 Start: 24351, Stop: 26132, Start Num: 61

Candidate Starts for BabyBack_33:

(Start: 61 @24351 has 29 MA's), (69, 24372), (98, 24462), (101, 24471), (103, 24477), (143, 24609), (150, 24621), (173, 24696), (311, 24810), (468, 24966), (470, 24984), (477, 25008), (495, 25122), (512, 25209), (520, 25248), (549, 25338), (553, 25359), (576, 25449), (587, 25500), (591, 25521), (624, 25665), (628, 25680), (658, 25815), (660, 25836), (669, 25857), (687, 25896), (694, 25914), (703, 25929), (722, 25968), (740, 26010), (747, 26040), (750, 26052), (773, 26109),

Gene: BabyJohn_30 Start: 23109, Stop: 24968, Start Num: 228

Candidate Starts for BabyJohn_30:

(Start: 228 @23109 has 32 MA's), (305, 23253), (328, 23310), (400, 23529), (406, 23547), (407, 23550), (417, 23577), (435, 23646), (436, 23652), (468, 23790), (470, 23808), (477, 23832), (520, 24072), (549, 24162), (590, 24342), (599, 24384), (613, 24450), (619, 24465), (656, 24636), (661, 24666), (725, 24795), (758, 24888), (767, 24915), (773, 24939), (774, 24945),

Gene: BabyRay_31 Start: 23087, Stop: 24946, Start Num: 228

Candidate Starts for BabyRay_31:

(Start: 228 @23087 has 32 MA's), (305, 23231), (314, 23246), (328, 23288), (349, 23351), (388, 23483), (400, 23507), (407, 23528), (417, 23555), (436, 23630), (468, 23768), (470, 23786), (471, 23789), (477, 23810), (520, 24050), (549, 24140), (570, 24233), (578, 24257), (599, 24362), (613, 24428), (619, 24443), (628, 24482), (656, 24614), (695, 24719), (725, 24773), (742, 24812), (758, 24866), (767, 24893), (773, 24917),

Gene: Bachome_31 Start: 23388, Stop: 25376, Start Num: 198

Candidate Starts for Bachome_31:

(Start: 198 @23388 has 11 MA's), (238, 23499), (244, 23508), (271, 23565), (281, 23580), (294, 23598), (300, 23610), (325, 23658), (329, 23676), (333, 23679), (372, 23799), (404, 23913), (413, 23934), (419, 23952), (427, 23985), (469, 24168), (476, 24198), (477, 24201), (505, 24375), (507, 24381), (510, 24405), (513, 24411), (525, 24486), (545, 24549), (555, 24591), (556, 24597), (587, 24720), (597, 24768), (599, 24777), (624, 24894), (625, 24897), (632, 24939), (643, 24981), (650, 25017), (661, 25071), (747, 25263), (765, 25320), (774, 25359), (777, 25368),

Gene: Backyardigan_31 Start: 22981, Stop: 24840, Start Num: 205

Candidate Starts for Backyardigan_31:

(181, 22921), (Start: 205 @22981 has 143 MA's), (230, 23047), (251, 23092), (Start: 254 @23098 has 1 MA's), (279, 23131), (296, 23149), (315, 23194), (317, 23200), (319, 23206), (352, 23299), (360, 23314), (385, 23386), (408, 23446), (427, 23497), (431, 23509), (455, 23587), (469, 23656), (489, 23779), (494, 23803), (510, 23884), (520, 23929), (522, 23938), (523, 23941), (556, 24070), (557, 24079), (567, 24121), (575, 24148), (585, 24184), (590, 24211), (594, 24223), (627, 24379), (665, 24553), (670, 24559), (687, 24604), (712, 24655), (713, 24658), (731, 24694), (744, 24730),

Gene: Bactobuster_33 Start: 24863, Stop: 26638, Start Num: 54

Candidate Starts for Bactobuster_33:

(37, 24824), (Start: 54 @24863 has 25 MA's), (98, 24974), (101, 24983), (119, 25040), (127, 25067), (161, 25160), (282, 25274), (307, 25304), (462, 25439), (468, 25472), (470, 25490), (477, 25514), (495, 25628), (503, 25676), (512, 25715), (520, 25754), (523, 25766), (539, 25811), (587, 26006), (591, 26027), (611, 26120), (628, 26186), (644, 26258), (658, 26321), (694, 26420), (703, 26435), (740, 26516), (758, 26576), (774, 26621),

Gene: Badger_31 Start: 22970, Stop: 24829, Start Num: 205

Candidate Starts for Badger_31:

(181, 22910), (Start: 205 @22970 has 143 MA's), (230, 23036), (251, 23081), (Start: 254 @23087 has 1 MA's), (279, 23120), (296, 23138), (315, 23183), (317, 23189), (319, 23195), (352, 23288), (360, 23303), (385, 23375), (408, 23435), (427, 23486), (431, 23498), (455, 23576), (469, 23645), (489, 23768), (494, 23792), (510, 23873), (520, 23918), (522, 23927), (523, 23930), (556, 24059), (557, 24068), (567, 24110), (575, 24137), (585, 24173), (590, 24200), (594, 24212), (627, 24368), (665, 24542), (670, 24548), (687, 24593), (712, 24644), (713, 24647), (731, 24683), (744, 24719),

Gene: Baehexic_32 Start: 23237, Stop: 25444, Start Num: 60

Candidate Starts for Baehexic_32:

(Start: 60 @23237 has 32 MA's), (98, 23351), (101, 23360), (103, 23366), (108, 23387), (119, 23423), (143, 23498), (174, 23588), (176, 23600), (Start: 298 @23777 has 65 MA's), (313, 23816), (341, 23912), (436, 24125), (449, 24173), (468, 24263), (473, 24293), (477, 24305), (520, 24545), (549, 24644), (553, 24665), (576, 24755), (578, 24761), (579, 24767), (587, 24806), (591, 24827), (598, 24863), (599, 24866), (613, 24932), (661, 25148), (683, 25196), (718, 25259), (744, 25319), (758, 25367), (774, 25421),

Gene: BangNhom_31 Start: 23274, Stop: 25130, Start Num: 205

Candidate Starts for BangNhom_31:

(Start: 205 @23274 has 143 MA's), (262, 23400), (279, 23424), (331, 23529), (332, 23535), (349, 23583), (369, 23634), (387, 23685), (427, 23790), (431, 23802), (455, 23880), (469, 23949), (498, 24117), (505, 24147), (510, 24177), (517, 24201), (518, 24204), (522, 24231), (523, 24234), (552, 24339), (556, 24360), (557, 24369), (594, 24513), (602, 24558), (637, 24720), (665, 24843), (687, 24894), (741, 25011), (744, 25020), (773, 25107),

Gene: Bartimeaus_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Bartimeaus_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Beauxregard13_33 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for Beauxregard13_33:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: Beemo_33 Start: 24411, Stop: 26177, Start Num: 56

Candidate Starts for Beemo_33:

(Start: 56 @24411 has 26 MA's), (62, 24423), (116, 24597), (150, 24687), (169, 24732), (172, 24741), (Start: 298 @24819 has 65 MA's), (308, 24843), (322, 24879), (468, 25008), (470, 25026), (512, 25251), (518, 25272), (520, 25290), (549, 25380), (561, 25437), (590, 25560), (619, 25683), (628, 25722), (639, 25779), (658, 25860), (660, 25881), (661, 25884), (694, 25959), (703, 25974), (747, 26085), (774, 26160),

Gene: Bellis_21 Start: 19726, Stop: 22239, Start Num: 14

Candidate Starts for Bellis_21:

(Start: 14 @19726 has 19 MA's), (29, 19789), (53, 19861), (85, 19951), (87, 19957), (107, 20029), (182, 20221), (187, 20233), (193, 20251), (206, 20290), (217, 20320), (239, 20377), (253, 20407), (258, 20413), (284, 20467), (289, 20473), (343, 20620), (344, 20623), (347, 20632), (353, 20650), (371, 20710), (375, 20719), (378, 20731), (390, 20782), (392, 20785), (440, 20950), (455, 21007), (472, 21091), (477, 21109), (479, 21118), (487, 21181), (509, 21301), (519, 21346), (523, 21361), (527, 21379), (540, 21409), (562, 21499), (582, 21568), (587, 21601), (591, 21622), (599, 21658), (607, 21694), (617, 21739), (623, 21763), (624, 21769), (628, 21784), (631, 21802), (638, 21835), (650, 21889), (656, 21913), (664, 21949), (666, 21955), (678, 21979), (752, 22144), (755, 22153), (760, 22159),

Gene: BellusTerra_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for BellusTerra_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (599, 24223), (602, 24241), (624, 24340), (665, 24526), (687, 24577), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: BengiVuitton_32 Start: 23191, Stop: 25377, Start Num: 61

Candidate Starts for BengiVuitton_32:

(Start: 61 @23191 has 29 MA's), (69, 23212), (98, 23302), (108, 23332), (127, 23395), (139, 23431), (160, 23485), (191, 23581), (199, 23611), (252, 23743), (Start: 298 @23833 has 65 MA's), (303, 23848), (341, 23968), (352, 24001), (355, 24010), (468, 24205), (470, 24223), (512, 24451), (520, 24490), (539, 24547), (549, 24580), (553, 24601), (561, 24637), (578, 24697), (587, 24742), (591, 24763), (594, 24772), (619, 24883), (624, 24907), (628, 24922), (629, 24928), (658, 25060), (673, 25114), (696, 25162), (704, 25174), (722, 25213), (773, 25354), (775, 25363),

Gene: Benvolio_31 Start: 22854, Stop: 25181, Start Num: 60

Candidate Starts for Benvolio_31:

(Start: 60 @22854 has 32 MA's), (69, 22878), (101, 22977), (103, 22983), (110, 23010), (127, 23067), (139, 23103), (160, 23157), (168, 23184), (174, 23205), (179, 23229), (199, 23283), (Start: 298 @23394 has 65 MA's), (341, 23529), (352, 23562), (405, 23748), (468, 24000), (470, 24018), (477, 24042), (512, 24243), (520, 24282), (549, 24372), (561, 24429), (578, 24489), (587, 24534), (591, 24555), (619, 24675), (624, 24699), (632, 24744), (640, 24777), (686, 24933), (740, 25044), (758, 25104), (774, 25158), (777, 25167),

Gene: BiancaTri92_33 Start: 24557, Stop: 26335, Start Num: 54

Candidate Starts for BiancaTri92_33:

(Start: 54 @24557 has 25 MA's), (98, 24668), (101, 24677), (119, 24737), (127, 24764), (139, 24800), (Start: 298 @24980 has 65 MA's), (307, 25001), (311, 25013), (464, 25148), (468, 25169), (470, 25187), (477, 25211), (493, 25319), (507, 25385), (520, 25451), (539, 25508), (549, 25541), (561, 25598), (613, 25829), (624, 25868), (628, 25883), (658, 26018), (661, 26042), (662, 26048), (694, 26117), (703, 26132), (722, 26171), (740, 26213), (774, 26318),

Gene: Bigflo_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for Bigflo_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: Biglebops_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Biglebops_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: Bipper_27 Start: 23567, Stop: 26155, Start Num: 17

Candidate Starts for Bipper_27:

(Start: 17 @23567 has 2 MA's), (82, 23756), (88, 23777), (97, 23807), (115, 23870), (137, 23936), (138, 23939), (154, 23981), (171, 24032), (178, 24068), (194, 24107), (242, 24242), (278, 24320), (279, 24323), (318, 24404), (327, 24434), (338, 24470), (350, 24509), (354, 24521), (366, 24551), (368, 24557), (370, 24569), (373, 24578), (376, 24590), (382, 24614), (388, 24638), (419, 24731), (427, 24764), (428, 24767), (447, 24842), (450, 24854), (468, 24938), (510, 25184), (513, 25190), (521, 25247), (545, 25328), (556, 25376), (585, 25490), (599, 25556), (617, 25643), (624, 25673), (635, 25724), (650, 25796), (656, 25820), (658, 25826), (660, 25847), (667, 25865), (700, 25934), (738, 26009), (748, 26048), (749, 26054), (752, 26060), (774, 26138), (777, 26147),

Gene: Blackmoor_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Blackmoor_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: BlueBird_32 Start: 22838, Stop: 24697, Start Num: 228

Candidate Starts for BlueBird_32:

(Start: 228 @22838 has 32 MA's), (305, 22982), (314, 22997), (328, 23039), (369, 23162), (382, 23210), (398, 23252), (400, 23258), (407, 23279), (468, 23519), (473, 23549), (483, 23597), (503, 23723), (512, 23762), (520, 23801), (539, 23858), (549, 23891), (587, 24053), (588, 24056), (599, 24113), (613, 24179), (619, 24194), (661, 24395), (722, 24521), (725, 24524), (753, 24605), (758, 24617), (767, 24644), (774, 24674),

Gene: BobSwaget_34 Start: 24339, Stop: 26123, Start Num: 60

Candidate Starts for BobSwaget_34:

(Start: 60 @24339 has 32 MA's), (69, 24363), (98, 24453), (101, 24462), (116, 24519), (449, 24867), (450, 24870), (468, 24957), (470, 24975), (477, 24999), (493, 25107), (512, 25200), (520, 25239), (549, 25329), (562, 25389), (576, 25440), (587, 25491), (591, 25512), (624, 25656), (628, 25671), (631, 25689), (660, 25827), (669, 25848), (703, 25920), (715, 25938), (722, 25959), (735, 25980), (740, 26001), (758, 26061), (774, 26106),

Gene: Bobquesha_29 Start: 22017, Stop: 24326, Start Num: 39

Candidate Starts for Bobquesha_29:

(Start: 39 @22017 has 43 MA's), (52, 22047), (59, 22065), (81, 22128), (123, 22269), (146, 22335), (168, 22398), (180, 22449), (185, 22458), (Start: 198 @22491 has 11 MA's), (214, 22539), (236, 22596), (267, 22656), (300, 22668), (309, 22683), (312, 22689), (327, 22722), (346, 22770), (379, 22824), (404, 22896), (463, 23076), (480, 23157), (503, 23310), (513, 23352), (522, 23409), (524, 23421), (546, 23508), (549, 23526), (562, 23592), (565, 23607), (591, 23703), (624, 23856), (628, 23871), (629, 23877), (633, 23907), (635, 23913), (640, 23940), (643, 23952), (662, 24048), (691, 24102), (699, 24123), (741, 24210), (748, 24240), (777, 24318),

Gene: BogosyJay_32 Start: 23933, Stop: 25699, Start Num: 56

Candidate Starts for BogosyJay_32:

(Start: 56 @23933 has 26 MA's), (111, 24098), (116, 24119), (139, 24185), (143, 24197), (150, 24209), (169, 24254), (172, 24263), (174, 24272), (282, 24332), (Start: 298 @24341 has 65 MA's), (308, 24365), (322, 24401), (461, 24494), (468, 24530), (470, 24548), (512, 24773), (518, 24794), (520, 24812), (549, 24902), (561, 24959), (570, 24995), (590, 25082), (619, 25205), (624, 25229), (628, 25244), (639, 25301), (660, 25403), (661, 25406), (703, 25496), (747, 25607), (774, 25682),

Gene: Bombshell_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Bombshell_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: BoostSeason_23 Start: 18687, Stop: 21026, Start Num: 20

Candidate Starts for BoostSeason_23:

(Start: 20 @18687 has 36 MA's), (135, 18927), (174, 19035), (176, 19044), (183, 19065), (192, 19089), (245, 19218), (249, 19230), (289, 19299), (343, 19434), (349, 19452), (358, 19479), (395, 19581), (420, 19653), (429, 19695), (431, 19701), (432, 19710), (434, 19716), (454, 19797), (458, 19818), (468, 19860), (471, 19881), (479, 19911), (491, 19998), (493, 20007), (500, 20043), (510, 20097), (523, 20151), (525, 20163), (549, 20223), (562, 20283), (566, 20301), (573, 20328), (587, 20385), (629, 20574), (636, 20604), (653, 20682), (658, 20703), (670, 20745), (682, 20778), (687, 20787), (695, 20808), (708, 20835), (747, 20916), (756, 20940),

Gene: BourbonZero_20 Start: 19707, Stop: 22217, Start Num: 14

Candidate Starts for BourbonZero_20:

(Start: 14 @19707 has 19 MA's), (29, 19770), (71, 19890), (139, 20076), (182, 20202), (187, 20214), (193, 20232), (206, 20271), (217, 20301), (253, 20388), (284, 20448), (289, 20454), (342, 20595), (344, 20601), (347, 20610), (353, 20628), (371, 20688), (378, 20709), (390, 20760), (392, 20763), (415, 20832), (455, 20985), (472, 21069), (477, 21087), (479, 21096), (496, 21207), (498, 21225), (509, 21279), (519, 21324), (523, 21339), (540, 21387), (562, 21477), (566, 21495), (582, 21546), (587, 21579), (590, 21597), (591, 21600), (599, 21636), (605, 21666), (607, 21672), (617, 21717), (623, 21741), (624, 21747), (628, 21762), (631, 21780), (638, 21813), (639, 21816), (650, 21867), (666, 21933), (678, 21957), (715, 22032), (732, 22068), (760, 22137),

Gene: Bowtie_31 Start: 23397, Stop: 25388, Start Num: 198

Candidate Starts for Bowtie_31:

(Start: 198 @23397 has 11 MA's), (238, 23508), (244, 23517), (271, 23574), (281, 23589), (294, 23607), (300, 23619), (325, 23667), (329, 23685), (333, 23688), (372, 23808), (404, 23922), (413, 23943), (419, 23961), (427, 23994), (469, 24177), (476, 24207), (477, 24210), (505, 24384), (507,

24390), (510, 24414), (513, 24420), (525, 24495), (545, 24558), (555, 24600), (556, 24606), (587, 24729), (597, 24777), (599, 24786), (624, 24903), (625, 24906), (632, 24948), (643, 24990), (650, 25026), (661, 25080), (682, 25131), (685, 25137), (690, 25143), (708, 25185), (747, 25275), (765, 25332), (774, 25371), (777, 25380),

Gene: BreSam8_33 Start: 23270, Stop: 25027, Start Num: 298

Candidate Starts for BreSam8_33:

(Start: 298 @23270 has 65 MA's), (341, 23405), (363, 23471), (376, 23516), (385, 23552), (427, 23684), (436, 23720), (444, 23741), (455, 23798), (468, 23858), (480, 23912), (487, 23972), (509, 24092), (510, 24095), (525, 24164), (537, 24188), (561, 24281), (566, 24302), (579, 24347), (651, 24677), (670, 24746), (695, 24809), (770, 24980),

Gene: Broseidon_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Broseidon_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (588, 24172), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Bruiser_30 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Bruiser_30:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Bryler_26 Start: 20070, Stop: 22406, Start Num: 20

Candidate Starts for Bryler_26:

(Start: 20 @20070 has 36 MA's), (34, 20118), (36, 20127), (83, 20241), (88, 20259), (138, 20310), (174, 20406), (176, 20415), (207, 20505), (210, 20517), (249, 20616), (253, 20625), (307, 20718), (336, 20799), (345, 20829), (349, 20841), (358, 20868), (363, 20883), (378, 20907), (395, 20967), (410, 21012), (420, 21039), (428, 21078), (432, 21096), (435, 21105), (454, 21174), (455, 21177), (458, 21195), (468, 21237), (471, 21258), (479, 21288), (491, 21375), (503, 21438), (509, 21471), (513, 21480), (525, 21543), (544, 21591), (549, 21603), (563, 21672), (570, 21696), (579, 21726), (587, 21765), (629, 21954), (646, 22029), (658, 22083), (687, 22167), (694, 22185), (742, 22272), (747, 22296), (763, 22338), (777, 22398),

Gene: BubbleTrouble_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for BubbleTrouble_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Bugatti_31 Start: 22838, Stop: 24697, Start Num: 228

Candidate Starts for Bugatti_31:

(Start: 228 @22838 has 32 MA's), (305, 22982), (314, 22997), (328, 23039), (369, 23162), (382, 23210), (398, 23252), (400, 23258), (407, 23279), (468, 23519), (473, 23549), (483, 23597), (503, 23723), (512, 23762), (520, 23801), (539, 23858), (549, 23891), (587, 24053), (588, 24056), (599, 24113), (613, 24179), (619, 24194), (661, 24395), (722, 24521), (725, 24524), (753, 24605), (758, 24617), (767, 24644), (774, 24674),

Gene: Buggy_33 Start: 23267, Stop: 25489, Start Num: 60

Candidate Starts for Buggy_33:

(Start: 60 @23267 has 32 MA's), (98, 23381), (101, 23390), (103, 23396), (127, 23480), (174, 23618), (179, 23642), (199, 23696), (313, 23846), (341, 23942), (353, 23978), (356, 23987), (468, 24293), (477, 24335), (520, 24575), (549, 24674), (553, 24695), (566, 24752), (578, 24791), (579, 24797), (598, 24893), (599, 24896), (613, 24962), (632, 25046), (649, 25118), (683, 25238), (739, 25349), (753, 25400), (758, 25412),

Gene: Bumblebee11_31 Start: 22972, Stop: 24831, Start Num: 205

Candidate Starts for Bumblebee11_31:

(181, 22912), (Start: 205 @22972 has 143 MA's), (230, 23038), (251, 23083), (Start: 254 @23089 has 1 MA's), (279, 23122), (296, 23140), (315, 23185), (317, 23191), (319, 23197), (352, 23290), (360, 23305), (385, 23377), (408, 23437), (427, 23488), (431, 23500), (455, 23578), (469, 23647), (489, 23770), (494, 23794), (510, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (557, 24070), (567, 24112), (575, 24139), (585, 24175), (590, 24202), (594, 24214), (627, 24370), (665, 24544), (670, 24550), (687, 24595), (712, 24646), (713, 24649), (731, 24685), (744, 24721),

Gene: Burger_30 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Burger_30:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: BuzzBuzz_32 Start: 23364, Stop: 25115, Start Num: 298

Candidate Starts for BuzzBuzz_32:

(Start: 298 @23364 has 65 MA's), (341, 23499), (363, 23565), (376, 23610), (385, 23646), (422, 23757), (427, 23778), (436, 23814), (444, 23835), (468, 23952), (492, 24090), (509, 24186), (510, 24189), (525, 24258), (537, 24282), (551, 24327), (561, 24375), (579, 24441), (614, 24612), (616, 24618), (629, 24669), (639, 24714), (647, 24744), (658, 24792), (670, 24834), (677, 24849), (678, 24852), (687, 24876), (741, 24978), (742, 24981), (747, 25005),

Gene: Bxz2_32 Start: 23371, Stop: 25122, Start Num: 298

Candidate Starts for Bxz2_32:

(Start: 298 @23371 has 65 MA's), (341, 23506), (363, 23572), (376, 23617), (385, 23653), (422, 23764), (427, 23785), (436, 23821), (444, 23842), (468, 23959), (492, 24097), (509, 24193), (510, 24196), (525, 24265), (537, 24289), (551, 24334), (561, 24382), (579, 24448), (614, 24619), (616, 24625), (629, 24676), (639, 24721), (647, 24751), (658, 24799), (670, 24841), (677, 24856), (678, 24859), (687, 24883), (741, 24985), (742, 24988), (747, 25012),

Gene: CRB1_31 Start: 22754, Stop: 24937, Start Num: 61

Candidate Starts for CRB1_31:

(Start: 61 @22754 has 29 MA's), (69, 22775), (98, 22865), (101, 22874), (108, 22895), (119, 22931), (127, 22958), (139, 22994), (174, 23096), (199, 23174), (Start: 298 @23285 has 65 MA's), (313, 23324), (341, 23420), (352, 23453), (468, 23774), (470, 23792), (471, 23795), (477, 23816), (512,

24017), (520, 24056), (524, 24077), (539, 24113), (549, 24146), (553, 24167), (561, 24203), (579, 24269), (587, 24308), (591, 24329), (613, 24434), (619, 24449), (639, 24542), (658, 24623), (669, 24665), (704, 24734), (722, 24773), (729, 24782), (773, 24914), (774, 24920),

Gene: CRB2_33 Start: 31730, Stop: 34225, Start Num: 23

Candidate Starts for CRB2_33:

(Start: 23 @31730 has 2 MA's), (Start: 56 @31832 has 26 MA's), (Start: 60 @31838 has 32 MA's), (65, 31850), (84, 31907), (92, 31937), (97, 31952), (128, 32057), (168, 32171), (219, 32324), (258, 32405), (261, 32408), (290, 32468), (302, 32495), (341, 32603), (357, 32651), (358, 32654), (366, 32675), (391, 32774), (401, 32789), (437, 32915), (445, 32939), (450, 32960), (468, 33047), (470, 33065), (497, 33224), (512, 33290), (519, 33326), (520, 33329), (523, 33341), (532, 33371), (544, 33407), (549, 33419), (579, 33542), (581, 33545), (582, 33548), (583, 33554), (601, 33656), (613, 33707), (619, 33722), (624, 33746), (636, 33797), (640, 33818), (658, 33899), (661, 33923), (688, 33977), (722, 34049), (742, 34091), (750, 34127), (758, 34145), (767, 34172), (774, 34202),

Gene: CactusJack_21 Start: 18926, Stop: 21559, Start Num: 9

Candidate Starts for CactusJack_21:

(Start: 9 @18926 has 17 MA's), (10, 18935), (42, 19079), (135, 19352), (138, 19364), (147, 19385), (155, 19409), (177, 19484), (202, 19556), (214, 19586), (226, 19622), (250, 19685), (259, 19700), (274, 19727), (279, 19733), (318, 19808), (326, 19832), (327, 19838), (331, 19850), (343, 19892), (345, 19898), (374, 19985), (380, 20006), (385, 20030), (404, 20096), (413, 20117), (419, 20135), (427, 20168), (433, 20192), (434, 20195), (447, 20246), (469, 20351), (479, 20393), (505, 20558), (522, 20654), (545, 20732), (547, 20744), (569, 20834), (585, 20894), (587, 20903), (597, 20951), (599, 20960), (624, 21077), (632, 21122), (643, 21164), (658, 21230), (661, 21254), (682, 21302), (685, 21308), (690, 21314), (738, 21413), (741, 21422), (748, 21452), (774, 21542), (777, 21551),

Gene: Caelakin_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Caelakin_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Cain_26 Start: 20058, Stop: 22394, Start Num: 20

Candidate Starts for Cain_26:

(Start: 20 @20058 has 36 MA's), (34, 20106), (36, 20115), (83, 20229), (88, 20247), (138, 20298), (174, 20394), (176, 20403), (207, 20493), (210, 20505), (249, 20604), (253, 20613), (307, 20706), (336, 20787), (345, 20817), (349, 20829), (358, 20856), (363, 20871), (378, 20895), (395, 20955), (410, 21000), (420, 21027), (428, 21066), (432, 21084), (435, 21093), (454, 21162), (455, 21165), (458, 21183), (468, 21225), (471, 21246), (479, 21276), (491, 21363), (503, 21426), (509, 21459), (513, 21468), (525, 21531), (544, 21579), (549, 21591), (563, 21660), (570, 21684), (579, 21714), (587, 21753), (629, 21942), (646, 22017), (658, 22071), (687, 22155), (694, 22173), (742, 22260), (747, 22284), (763, 22326), (777, 22386),

Gene: Calvinny_34 Start: 23361, Stop: 25169, Start Num: 50

Candidate Starts for Calvinny_34:

(Start: 50 @23361 has 18 MA's), (98, 23496), (116, 23562), (131, 23607), (143, 23643), (174, 23733), (179, 23757), (282, 23802), (307, 23832), (468, 24000), (470, 24018), (477, 24042), (503, 24204), (512, 24243), (520, 24282), (549, 24372), (587, 24534), (591, 24555), (610, 24642), (624, 24699), (628, 24714), (641, 24777), (658, 24852), (660, 24873), (703, 24966), (722, 25005), (740, 25047), (773, 25146),

Gene: Camperdownii_30 Start: 22579, Stop: 24435, Start Num: 205

Candidate Starts for Camperdownii_30:

(Start: 205 @22579 has 143 MA's), (262, 22705), (279, 22729), (331, 22834), (332, 22840), (349, 22888), (369, 22939), (387, 22990), (427, 23095), (431, 23107), (455, 23185), (469, 23254), (498, 23422), (505, 23452), (510, 23482), (518, 23509), (522, 23536), (523, 23539), (552, 23644), (556, 23665), (557, 23674), (585, 23779), (594, 23818), (599, 23845), (602, 23863), (603, 23866), (627, 23974), (639, 24031), (665, 24148), (670, 24154), (741, 24316), (744, 24325),

Gene: Catalina_34 Start: 24377, Stop: 26143, Start Num: 56

Candidate Starts for Catalina_34:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774, 26126),

Gene: Caviar_32 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for Caviar_32:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (445, 23946), (450, 23967), (468, 24054), (477, 24096), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: Centaur_33 Start: 23215, Stop: 25422, Start Num: 60

Candidate Starts for Centaur_33:

(Start: 60 @23215 has 32 MA's), (98, 23329), (101, 23338), (103, 23344), (108, 23365), (119, 23401), (143, 23476), (174, 23566), (176, 23578), (Start: 298 @23755 has 65 MA's), (313, 23794), (341, 23890), (436, 24103), (449, 24151), (468, 24241), (473, 24271), (477, 24283), (520, 24523), (549, 24622), (553, 24643), (576, 24733), (578, 24739), (579, 24745), (587, 24784), (591, 24805), (598, 24841), (599, 24844), (613, 24910), (661, 25126), (683, 25174), (718, 25237), (744, 25297), (758, 25345), (774, 25399),

Gene: CentreCat_31 Start: 22961, Stop: 24817, Start Num: 205

Candidate Starts for CentreCat_31:

(Start: 205 @22961 has 143 MA's), (262, 23087), (279, 23111), (331, 23216), (332, 23222), (349, 23270), (352, 23279), (369, 23321), (385, 23366), (387, 23372), (427, 23477), (431, 23489), (455, 23567), (469, 23636), (510, 23864), (517, 23888), (518, 23891), (522, 23918), (523, 23921), (552, 24026), (557, 24056), (560, 24071), (585, 24161), (594, 24200), (602, 24245), (639, 24413), (665, 24530), (670, 24536), (687, 24581), (712, 24632), (713, 24635), (741, 24698), (744, 24707), (773, 24794),

Gene: Cerulean_32 Start: 23275, Stop: 25131, Start Num: 205

Candidate Starts for Cerulean_32:

(Start: 205 @23275 has 143 MA's), (262, 23401), (279, 23425), (331, 23530), (332, 23536), (349, 23584), (369, 23635), (387, 23686), (427, 23791), (431, 23803), (455, 23881), (469, 23950), (498, 24118), (505, 24148), (510, 24178), (517, 24202), (518, 24205), (522, 24232), (523, 24235), (552, 24340), (556, 24361), (557, 24370), (594, 24514), (602, 24559), (637, 24721), (665, 24844), (687, 24895), (741, 25012), (744, 25021), (773, 25108),

Gene: ChampagnePapi_32 Start: 23274, Stop: 25130, Start Num: 205

Candidate Starts for ChampagnePapi_32:

(Start: 205 @23274 has 143 MA's), (262, 23400), (279, 23424), (331, 23529), (332, 23535), (349, 23583), (369, 23634), (387, 23685), (427, 23790), (431, 23802), (455, 23880), (469, 23949), (510, 24177), (517, 24201), (518, 24204), (522, 24231), (523, 24234), (552, 24339), (557, 24369), (560, 24384), (585, 24474), (594, 24513), (602, 24558), (639, 24726), (665, 24843), (687, 24894), (741, 25011), (744, 25020), (773, 25107),

Gene: Chancellor_28 Start: 22283, Stop: 24592, Start Num: 39

Candidate Starts for Chancellor_28:

(Start: 39 @22283 has 43 MA's), (81, 22394), (88, 22418), (123, 22535), (168, 22664), (180, 22715), (185, 22724), (Start: 198 @22757 has 11 MA's), (209, 22796), (214, 22805), (236, 22862), (238, 22871), (267, 22922), (300, 22934), (309, 22949), (312, 22955), (327, 22988), (346, 23036), (379, 23090), (404, 23162), (419, 23201), (424, 23213), (431, 23228), (447, 23273), (463, 23342), (480, 23423), (503, 23576), (522, 23675), (524, 23687), (549, 23792), (562, 23858), (565, 23873), (591, 23969), (624, 24122), (628, 24137), (629, 24143), (632, 24167), (640, 24206), (643, 24218), (662, 24314), (691, 24368), (699, 24389), (741, 24476), (748, 24506), (777, 24584),

Gene: Changeling_34 Start: 25115, Stop: 26890, Start Num: 61

Candidate Starts for Changeling_34:

(28, 25016), (Start: 61 @25115 has 29 MA's), (98, 25226), (101, 25235), (127, 25319), (139, 25355), (143, 25367), (150, 25379), (179, 25481), (275, 25505), (307, 25556), (311, 25568), (464, 25703), (468, 25724), (470, 25742), (477, 25766), (512, 25967), (520, 26006), (539, 26063), (549, 26096), (561, 26153), (576, 26207), (590, 26276), (613, 26384), (619, 26399), (628, 26438), (660, 26594), (703, 26687), (740, 26768), (758, 26828), (774, 26873),

Gene: Chaph_31 Start: 22969, Stop: 24825, Start Num: 205

Candidate Starts for Chaph_31:

(Start: 205 @22969 has 143 MA's), (262, 23095), (279, 23119), (331, 23224), (332, 23230), (349, 23278), (352, 23287), (369, 23329), (385, 23374), (387, 23380), (427, 23485), (431, 23497), (455, 23575), (469, 23644), (510, 23872), (517, 23896), (518, 23899), (522, 23926), (523, 23929), (552, 24034), (557, 24064), (560, 24079), (585, 24169), (594, 24208), (602, 24253), (639, 24421), (665, 24538), (670, 24544), (687, 24589), (712, 24640), (713, 24643), (741, 24706), (744, 24715), (773, 24802),

Gene: Chavito_27 Start: 20243, Stop: 22753, Start Num: 39

Candidate Starts for Chavito_27:

(Start: 39 @20243 has 43 MA's), (59, 20291), (103, 20414), (114, 20465), (121, 20483), (144, 20549), (165, 20603), (190, 20681), (201, 20720), (222, 20777), (236, 20813), (259, 20864), (276, 20894), (291, 20909), (302, 20933), (318, 20963), (319, 20966), (324, 20978), (326, 20987), (327, 20993), (339, 21032), (385, 21185), (396, 21230), (425, 21302), (444, 21356), (447, 21377), (450, 21389), (472, 21497), (484, 21560), (490, 21614), (498, 21665), (502, 21686), (521, 21785), (541, 21863), (549, 21887), (550, 21893), (561, 21950), (589, 22052), (599, 22109), (606, 22142), (609, 22160), (617, 22199), (629, 22250), (662, 22415), (690, 22469), (694, 22484), (716, 22526), (740, 22583), (745, 22601), (754, 22631), (762, 22649),

Gene: Cheetobro_28 Start: 22280, Stop: 24589, Start Num: 39

Candidate Starts for Cheetobro_28:

(Start: 39 @22280 has 43 MA's), (81, 22391), (88, 22415), (123, 22532), (168, 22661), (180, 22712), (185, 22721), (Start: 198 @22754 has 11 MA's), (209, 22793), (214, 22802), (236, 22859), (238, 22868), (267, 22919), (300, 22931), (309, 22946), (312, 22952), (327, 22985), (346, 23033), (379, 23087), (404, 23159), (419, 23198), (424, 23210), (431, 23225), (447, 23270), (463, 23339), (480, 23420), (503, 23573), (522, 23672), (524, 23684), (549, 23789), (562, 23855), (565, 23870), (591, 23966), (624, 24119), (628, 24134), (629, 24140), (632, 24164), (640, 24203), (643, 24215), (662, 24311), (691, 24365), (699, 24386), (741, 24473), (748, 24503), (777, 24581),

Gene: ChipMunk_33 Start: 23177, Stop: 25654, Start Num: 20

Candidate Starts for ChipMunk_33:

(Start: 20 @23177 has 36 MA's), (30, 23198), (59, 23288), (92, 23387), (105, 23435), (157, 23567), (245, 23813), (257, 23840), (268, 23855), (302, 23930), (349, 24071), (371, 24143), (398, 24245), (421, 24287), (464, 24455), (471, 24497), (477, 24518), (494, 24629), (495, 24632), (506, 24689), (519, 24755), (520, 24758), (523, 24770), (535, 24812), (539, 24821), (549, 24854), (561, 24911), (587, 25016), (591, 25037), (599, 25076), (632, 25226), (636, 25232), (638, 25247), (640, 25253), (648, 25286), (649, 25298), (652, 25307), (656, 25328), (680, 25397), (731, 25496), (742, 25523), (743, 25526), (761, 25580), (767, 25607),

Gene: Chiqui_30 Start: 23109, Stop: 24977, Start Num: 228

Candidate Starts for Chiqui_30:

(Start: 228 @23109 has 32 MA's), (305, 23253), (328, 23310), (400, 23538), (406, 23556), (407, 23559), (417, 23586), (435, 23655), (436, 23661), (468, 23799), (470, 23817), (477, 23841), (520, 24081), (549, 24171), (590, 24351), (599, 24393), (613, 24459), (619, 24474), (656, 24645), (661, 24675), (725, 24804), (758, 24897), (767, 24924), (773, 24948), (774, 24954),

Gene: Chupacabra_32 Start: 23269, Stop: 25104, Start Num: 54

Candidate Starts for Chupacabra_32:

(Start: 54 @23269 has 25 MA's), (67, 23302), (72, 23317), (174, 23629), (179, 23653), (187, 23671), (189, 23674), (191, 23677), (197, 23698), (204, 23725), (468, 23938), (470, 23956), (477, 23980), (497, 24115), (500, 24124), (520, 24220), (539, 24277), (549, 24310), (576, 24421), (590, 24490), (613, 24598), (619, 24613), (628, 24652), (629, 24658), (644, 24724), (658, 24787), (660, 24808), (661, 24811), (662, 24817), (669, 24829), (694, 24886), (703, 24901), (707, 24910), (740, 24982), (758, 25042), (774, 25087), (775, 25090),

Gene: Cici_31 Start: 22966, Stop: 24825, Start Num: 205

Candidate Starts for Cici_31:

(181, 22906), (Start: 205 @22966 has 143 MA's), (230, 23032), (251, 23077), (Start: 254 @23083 has 1 MA's), (279, 23116), (296, 23134), (315, 23179), (317, 23185), (319, 23191), (352, 23284), (360, 23299), (385, 23371), (408, 23431), (427, 23482), (431, 23494), (455, 23572), (469, 23641), (489, 23764), (494, 23788), (510, 23869), (520, 23914), (522, 23923), (523, 23926), (556, 24055), (557, 24064), (567, 24106), (575, 24133), (585, 24169), (590, 24196), (594, 24208), (627, 24364), (665, 24538), (670, 24544), (687, 24589), (712, 24640), (713, 24643), (731, 24679), (744, 24715),

Gene: Cindaradix_30 Start: 22690, Stop: 24546, Start Num: 205

Candidate Starts for Cindaradix_30:

(Start: 205 @22690 has 143 MA's), (279, 22840), (296, 22858), (301, 22870), (315, 22903), (319, 22915), (332, 22951), (352, 23008), (360, 23023), (408, 23155), (427, 23206), (431, 23218), (455, 23296), (460, 23317), (469, 23365), (510, 23593), (522, 23647), (523, 23650), (552, 23755), (556, 23776), (557, 23785), (585, 23890), (627, 24085), (639, 24142), (665, 24259), (670, 24265), (744, 24436),

Gene: Cintron_31 Start: 23005, Stop: 24864, Start Num: 205

Candidate Starts for Cintron_31:

(Start: 205 @23005 has 143 MA's), (262, 23131), (279, 23155), (331, 23260), (332, 23266), (349, 23314), (352, 23323), (369, 23365), (385, 23410), (387, 23416), (427, 23521), (431, 23533), (455, 23611), (469, 23680), (498, 23848), (510, 23908), (517, 23932), (518, 23935), (522, 23962), (523, 23965), (552, 24070), (557, 24100), (560, 24115), (585, 24205), (594, 24244), (599, 24271), (602, 24289), (670, 24580), (703, 24658), (707, 24670), (712, 24676), (731, 24715), (741, 24742), (743, 24748), (773, 24841),

Gene: Citius_31 Start: 22975, Stop: 24831, Start Num: 205

Candidate Starts for Citius_31:

(Start: 205 @22975 has 143 MA's), (262, 23101), (279, 23125), (331, 23230), (332, 23236), (349, 23284), (369, 23335), (385, 23380), (387, 23386), (427, 23491), (431, 23503), (455, 23581), (469, 23650), (510, 23878), (517, 23902), (518, 23905), (522, 23932), (523, 23935), (552, 24040), (557, 24070), (560, 24085), (585, 24175), (594, 24214), (602, 24259), (639, 24427), (665, 24544), (670, 24550), (687, 24595), (712, 24646), (713, 24649), (741, 24712), (744, 24721), (773, 24808),

Gene: Clammy_31 Start: 22838, Stop: 24697, Start Num: 228

Candidate Starts for Clammy_31:

(Start: 228 @22838 has 32 MA's), (305, 22982), (314, 22997), (328, 23039), (369, 23162), (382, 23210), (398, 23252), (400, 23258), (407, 23279), (468, 23519), (473, 23549), (483, 23597), (503, 23723), (512, 23762), (520, 23801), (539, 23858), (549, 23891), (587, 24053), (588, 24056), (599, 24113), (613, 24179), (619, 24194), (661, 24395), (722, 24521), (725, 24524), (753, 24605), (758, 24617), (767, 24644), (774, 24674),

Gene: Clarenza_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Clarenza_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Clautastrophe_21 Start: 19724, Stop: 22237, Start Num: 14

Candidate Starts for Clautastrophe_21:

(Start: 14 @19724 has 19 MA's), (29, 19787), (53, 19859), (85, 19949), (87, 19955), (107, 20027), (149, 20114), (182, 20219), (187, 20231), (193, 20249), (206, 20288), (217, 20318), (239, 20375), (253, 20405), (258, 20411), (284, 20465), (289, 20471), (343, 20618), (344, 20621), (347, 20630), (353, 20648), (371, 20708), (375, 20717), (378, 20729), (390, 20780), (392, 20783), (440, 20948), (455, 21005), (472, 21089), (477, 21107), (479, 21116), (487, 21179), (509, 21299), (516, 21323), (519, 21344), (523, 21359), (527, 21377), (540, 21407), (562, 21497), (582, 21566), (587, 21599), (591, 21620), (599, 21656), (607, 21692), (617, 21737), (623, 21761), (624, 21767), (628, 21782), (631, 21800), (650, 21887), (656, 21911), (664, 21947), (666, 21953), (678, 21977), (715, 22052), (716, 22055), (752, 22142), (755, 22151), (760, 22157),

Gene: ClownCar_34 Start: 23353, Stop: 25161, Start Num: 50

Candidate Starts for ClownCar_34:

(Start: 50 @23353 has 18 MA's), (98, 23488), (116, 23554), (131, 23599), (143, 23635), (174, 23725), (179, 23749), (282, 23794), (307, 23824), (468, 23992), (470, 24010), (477, 24034), (503, 24196), (512, 24235), (520, 24274), (549, 24364), (587, 24526), (591, 24547), (610, 24634), (624, 24691), (628, 24706), (641, 24769), (658, 24844), (660, 24865), (703, 24958), (722, 24997), (740, 25039), (773, 25138),

Gene: Cocoaberry_31 Start: 22964, Stop: 24820, Start Num: 205

Candidate Starts for Cocoaberry_31:

(Start: 205 @22964 has 143 MA's), (262, 23090), (279, 23114), (331, 23219), (332, 23225), (349, 23273), (352, 23282), (369, 23324), (385, 23369), (387, 23375), (427, 23480), (431, 23492), (455, 23570), (469, 23639), (510, 23867), (517, 23891), (518, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (557, 24059), (585, 24164), (594, 24203), (602, 24248), (637, 24410), (639, 24416), (665, 24533), (670, 24539), (687, 24584), (712, 24635), (713, 24638), (741, 24701), (744, 24710), (773, 24797),

Gene: Colbster_33 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for Colbster_33:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: Colin_35 Start: 24479, Stop: 26257, Start Num: 58

Candidate Starts for Colin_35:

(Start: 58 @24479 has 2 MA's), (98, 24593), (101, 24602), (143, 24734), (449, 25001), (468, 25091), (470, 25109), (477, 25133), (512, 25334), (520, 25373), (549, 25463), (561, 25520), (576, 25574), (590, 25643), (617, 25760), (628, 25805), (631, 25823), (658, 25940), (660, 25961), (669, 25982), (703, 26054), (740, 26135), (747, 26165), (758, 26195), (774, 26240),

Gene: Commander_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Commander_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Connomayer_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Connomayer_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Conquerage_33 Start: 24407, Stop: 26173, Start Num: 56

Candidate Starts for Conquerage_33:

(Start: 56 @24407 has 26 MA's), (116, 24593), (150, 24683), (169, 24728), (172, 24737), (Start: 298 @24815 has 65 MA's), (308, 24839), (322, 24875), (468, 25004), (470, 25022), (512, 25247), (518, 25268), (520, 25286), (549, 25376), (561, 25433), (590, 25556), (619, 25679), (628, 25718), (639, 25775), (658, 25856), (660, 25877), (661, 25880), (703, 25970), (747, 26081), (774, 26156),

Gene: Cracklewink_27 Start: 23567, Stop: 26155, Start Num: 17

Candidate Starts for Cracklewink_27:

(Start: 17 @23567 has 2 MA's), (82, 23756), (88, 23777), (97, 23807), (115, 23870), (137, 23936), (138, 23939), (154, 23981), (171, 24032), (178, 24068), (194, 24107), (242, 24242), (278, 24320), (279, 24323), (318, 24404), (327, 24434), (338, 24470), (350, 24509), (354, 24521), (366, 24551), (368, 24557), (370, 24569), (373, 24578), (376, 24590), (382, 24614), (388, 24638), (419, 24731), (427, 24764), (428, 24767), (447, 24842), (450, 24854), (468, 24938), (510, 25184), (513, 25190), (521, 25247), (545, 25328), (556, 25376), (585, 25490), (599, 25556), (617, 25643), (624, 25673), (635, 25724), (650, 25796), (656, 25820), (658, 25826), (660, 25847), (667, 25865), (700, 25934), (738, 26009), (748, 26048), (749, 26054), (752, 26060), (774, 26138), (777, 26147),

Gene: Croquant_34 Start: 23275, Stop: 25032, Start Num: 298

Candidate Starts for Croquant_34:

(Start: 298 @23275 has 65 MA's), (341, 23410), (363, 23476), (376, 23521), (385, 23557), (427, 23689), (436, 23725), (444, 23746), (455, 23803), (468, 23863), (480, 23917), (487, 23977), (509, 24097), (510, 24100), (525, 24169), (537, 24193), (561, 24286), (566, 24307), (579, 24352), (651, 24682), (670, 24751), (695, 24814), (770, 24985),

Gene: Crucio_31 Start: 22638, Stop: 24842, Start Num: 61

Candidate Starts for Crucio_31:

(Start: 61 @22638 has 29 MA's), (69, 22659), (103, 22764), (127, 22848), (139, 22884), (174, 22986), (176, 22998), (Start: 298 @23175 has 65 MA's), (341, 23310), (362, 23373), (468, 23664), (470, 23682), (477, 23706), (498, 23844), (512, 23907), (520, 23946), (549, 24036), (561, 24093), (578, 24153), (587, 24198), (591, 24219), (619, 24339), (624, 24363), (632, 24408), (649, 24480), (661, 24540), (742, 24711), (758, 24765), (768, 24792), (774, 24819),

Gene: Cullens_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for Cullens_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: DaHudson_33 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for DaHudson_33:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: Daishi_32 Start: 22205, Stop: 23956, Start Num: 298

Candidate Starts for Daishi_32:

(Start: 298 @22205 has 65 MA's), (341, 22340), (363, 22406), (376, 22451), (385, 22487), (422, 22598), (427, 22619), (436, 22655), (444, 22676), (468, 22793), (492, 22931), (509, 23027), (510, 23030), (525, 23099), (537, 23123), (551, 23168), (561, 23216), (579, 23282), (614, 23453), (616, 23459), (629, 23510), (639, 23555), (647, 23585), (658, 23633), (670, 23675), (677, 23690), (678, 23693), (687, 23717), (741, 23819), (742, 23822), (747, 23846),

Gene: Dalmatian_31 Start: 22845, Stop: 25049, Start Num: 61

Candidate Starts for Dalmatian_31:

(Start: 61 @22845 has 29 MA's), (69, 22866), (127, 23055), (139, 23091), (174, 23193), (176, 23205), (268, 23316), (Start: 298 @23382 has 65 MA's), (341, 23517), (468, 23871), (477, 23913), (498, 24051), (512, 24114), (520, 24153), (549, 24243), (561, 24300), (578, 24360), (587, 24405), (591, 24426), (619, 24546), (624, 24570), (632, 24615), (649, 24687), (661, 24747), (742, 24918), (758, 24972), (768, 24999), (774, 25026),

Gene: Darrell_33 Start: 24371, Stop: 26137, Start Num: 56

Candidate Starts for Darrell_33:

(Start: 56 @24371 has 26 MA's), (116, 24557), (139, 24623), (150, 24647), (169, 24692), (172, 24701), (282, 24770), (Start: 298 @24779 has 65 MA's), (322, 24839), (450, 24881), (462, 24935), (468, 24968), (470, 24986), (477, 25010), (478, 25016), (507, 25184), (512, 25211), (520, 25250), (549, 25340), (561, 25397), (590, 25520), (598, 25559), (619, 25643), (628, 25682), (658, 25820), (660, 25841), (661, 25844), (665, 25856), (687, 25901), (740, 26015), (747, 26045), (774, 26120),

Gene: DarthP_26 Start: 21319, Stop: 23703, Start Num: 39

Candidate Starts for DarthP_26:

(Start: 39 @21319 has 43 MA's), (43, 21328), (59, 21367), (102, 21490), (116, 21547), (120, 21559), (145, 21625), (165, 21679), (190, 21757), (218, 21847), (236, 21889), (259, 21940), (293, 21982), (295, 21985), (304, 22006), (326, 22066), (327, 22072), (389, 22264), (438, 22381), (455, 22450), (464, 22489), (469, 22519), (493, 22663), (521, 22798), (522, 22801), (523, 22804), (530, 22843), (549, 22897), (584, 23038), (585, 23044), (589, 23059), (613, 23188), (615, 23194), (637, 23290), (640, 23299), (646, 23323), (649, 23344), (737, 23551), (740, 23566), (741, 23569), (775, 23677),

Gene: Dartin_27 Start: 20230, Stop: 22731, Start Num: 39

Candidate Starts for Dartin_27:

(Start: 39 @20230 has 43 MA's), (59, 20278), (80, 20329), (103, 20401), (114, 20452), (121, 20470), (133, 20503), (141, 20524), (144, 20536), (165, 20590), (190, 20668), (201, 20707), (222, 20764), (236, 20800), (259, 20851), (276, 20881), (291, 20896), (302, 20920), (319, 20953), (326, 20974), (327, 20980), (339, 21019), (385, 21172), (393, 21205), (396, 21217), (423, 21280), (447, 21364), (484, 21547), (490, 21601), (498, 21643), (538, 21835), (541, 21841), (549, 21865), (561, 21928), (571, 21967), (589, 22030), (599, 22087), (606, 22120), (609, 22138), (617, 22177), (626, 22216), (628, 22222), (638, 22279), (662, 22393), (690, 22447), (694, 22462), (708, 22492), (716, 22504), (740, 22561), (745, 22579), (754, 22609), (762, 22627), (780, 22708),

Gene: Datway_31 Start: 22981, Stop: 24840, Start Num: 205

Candidate Starts for Datway_31:

(181, 22921), (Start: 205 @22981 has 143 MA's), (230, 23047), (251, 23092), (Start: 254 @23098 has 1 MA's), (279, 23131), (296, 23149), (315, 23194), (317, 23200), (319, 23206), (352, 23299), (360, 23314), (385, 23386), (408, 23446), (427, 23497), (431, 23509), (455, 23587), (469, 23656), (489, 23779), (494, 23803), (510, 23884), (520, 23929), (522, 23938), (523, 23941), (556, 24070), (557, 24079), (567, 24121), (575, 24148), (585, 24184), (590, 24211), (594, 24223), (627, 24379), (665, 24553), (670, 24559), (687, 24604), (712, 24655), (713, 24658), (731, 24694), (744, 24730),

Gene: Deano_31 Start: 22968, Stop: 24824, Start Num: 205

Candidate Starts for Deano_31:

(Start: 205 @22968 has 143 MA's), (262, 23094), (279, 23118), (331, 23223), (332, 23229), (349, 23277), (352, 23286), (369, 23328), (385, 23373), (387, 23379), (427, 23484), (431, 23496), (455, 23574), (469, 23643), (510, 23871), (517, 23895), (518, 23898), (522, 23925), (523, 23928), (552, 24033), (557, 24063), (560, 24078), (585, 24168), (594, 24207), (602, 24252), (639, 24420), (665, 24537), (670, 24543), (687, 24588), (712, 24639), (713, 24642), (741, 24705), (744, 24714), (773, 24801),

Gene: DeerParkTS_33 Start: 23331, Stop: 25694, Start Num: 1

Candidate Starts for DeerParkTS_33:

(1, 23331), (2, 23352), (3, 23442), (4, 23451), (6, 23700), (73, 23949), (142, 24174), (277, 24318), (468, 24528), (470, 24546), (477, 24570), (512, 24771), (520, 24810), (539, 24867), (549, 24900), (561, 24957), (590, 25080), (597, 25110), (619, 25203), (628, 25242), (629, 25248), (639, 25296), (658, 25377), (669, 25419), (703, 25491), (740, 25572), (774, 25677), (777, 25686),

Gene: Deloris_32 Start: 23191, Stop: 25377, Start Num: 61

Candidate Starts for Deloris_32:

(Start: 61 @23191 has 29 MA's), (69, 23212), (98, 23302), (108, 23332), (127, 23395), (139, 23431), (160, 23485), (191, 23581), (199, 23611), (252, 23743), (Start: 298 @23833 has 65 MA's), (303, 23848), (341, 23968), (352, 24001), (355, 24010), (468, 24205), (470, 24223), (512, 24451), (520, 24490), (539, 24547), (549, 24580), (553, 24601), (561, 24637), (578, 24697), (587, 24742), (591, 24763), (594, 24772), (619, 24883), (624, 24907), (628, 24922), (629, 24928), (658, 25060), (696, 25162), (704, 25174), (722, 25213), (773, 25354), (775, 25363),

Gene: Dhanush_31 Start: 22963, Stop: 24819, Start Num: 205

Candidate Starts for Dhanush_31:

(Start: 205 @22963 has 143 MA's), (262, 23089), (279, 23113), (331, 23218), (332, 23224), (349, 23272), (352, 23281), (369, 23323), (385, 23368), (387, 23374), (427, 23479), (431, 23491), (455, 23569), (469, 23638), (510, 23866), (517, 23890), (518, 23893), (522, 23920), (523, 23923), (552, 24028), (557, 24058), (560, 24073), (585, 24163), (594, 24202), (602, 24247), (639, 24415), (665, 24532), (670, 24538), (687, 24583), (712, 24634), (713, 24637), (741, 24700), (744, 24709), (773, 24796),

Gene: Dieselweasel_33 Start: 23278, Stop: 25035, Start Num: 298

Candidate Starts for Dieselweasel_33:

(Start: 298 @23278 has 65 MA's), (341, 23413), (363, 23479), (376, 23524), (385, 23560), (427, 23692), (436, 23728), (444, 23749), (455, 23806), (468, 23866), (480, 23920), (487, 23980), (509, 24100), (510, 24103), (525, 24172), (537, 24196), (561, 24289), (566, 24310), (579, 24355), (651, 24685), (670, 24754), (695, 24817), (770, 24988),

Gene: Dignity_33 Start: 23212, Stop: 25416, Start Num: 60

Candidate Starts for Dignity_33:

(Start: 60 @23212 has 32 MA's), (98, 23326), (101, 23335), (103, 23341), (127, 23425), (174, 23563), (179, 23587), (199, 23641), (Start: 298 @23752 has 65 MA's), (341, 23887), (355, 23929), (377, 24001), (464, 24220), (468, 24241), (470, 24259), (477, 24283), (493, 24391), (512, 24484), (520, 24523), (549, 24613), (561, 24670), (562, 24673), (578, 24730), (579, 24736), (587, 24775), (591, 24796), (632, 24985), (640, 25012), (684, 25165), (694, 25189), (724, 25243), (726, 25246), (742, 25285), (744, 25291), (758, 25339),

Gene: DirtyDunning_31 Start: 22953, Stop: 24809, Start Num: 205

Candidate Starts for DirtyDunning_31:

(Start: 205 @22953 has 143 MA's), (262, 23079), (279, 23103), (331, 23208), (332, 23214), (349, 23262), (352, 23271), (369, 23313), (385, 23358), (387, 23364), (427, 23469), (431, 23481), (452, 23544), (455, 23559), (469, 23628), (498, 23796), (510, 23856), (518, 23883), (522, 23910), (523, 23913), (552, 24018), (556, 24039), (557, 24048), (585, 24153), (602, 24237), (624, 24336), (665, 24522), (670, 24528), (687, 24573), (712, 24624), (713, 24627), (741, 24690), (744, 24699), (773, 24786),

Gene: DismalFunk_23 Start: 18661, Stop: 21000, Start Num: 20

Candidate Starts for DismalFunk_23:

(Start: 20 @18661 has 36 MA's), (83, 18832), (88, 18850), (96, 18874), (176, 19018), (189, 19051), (237, 19180), (243, 19189), (249, 19204), (255, 19216), (263, 19225), (289, 19273), (331, 19369), (336, 19387), (343, 19408), (358, 19453), (395, 19555), (420, 19627), (429, 19669), (431, 19675), (432, 19684), (454, 19771), (458, 19792), (468, 19834), (471, 19855), (491, 19972), (493, 19981), (510, 20071), (523, 20125), (525, 20137), (534, 20161), (566, 20275), (573, 20302), (587, 20359), (599, 20416), (629, 20548), (636, 20578), (647, 20629), (650, 20647), (658, 20677), (675, 20731), (687, 20761), (695, 20782), (756, 20914),

Gene: DismalStressor_23 Start: 18661, Stop: 21000, Start Num: 20

Candidate Starts for DismalStressor_23:

(Start: 20 @18661 has 36 MA's), (83, 18832), (88, 18850), (96, 18874), (176, 19018), (189, 19051), (237, 19180), (243, 19189), (249, 19204), (255, 19216), (263, 19225), (289, 19273), (331, 19369), (336, 19387), (343, 19408), (358, 19453), (395, 19555), (420, 19627), (429, 19669), (431, 19675), (432, 19684), (454, 19771), (458, 19792), (468, 19834), (471, 19855), (491, 19972), (493, 19981), (510, 20071), (523, 20125), (525, 20137), (534, 20161), (566, 20275), (573, 20302), (587, 20359), (599, 20416), (629, 20548), (636, 20578), (647, 20629), (650, 20647), (658, 20677), (675, 20731), (687, 20761), (695, 20782), (756, 20914),

Gene: DontArgue_31 Start: 21656, Stop: 23866, Start Num: 54

Candidate Starts for DontArgue_31:

(Start: 54 @21656 has 25 MA's), (67, 21689), (113, 21839), (161, 21971), (179, 22040), (191, 22064), (197, 22085), (199, 22094), (207, 22118), (Start: 227 @22178 has 1 MA's), (252, 22241), (Start: 298 @22331 has 65 MA's), (341, 22466), (436, 22562), (445, 22592), (468, 22700), (469, 22709), (477, 22742), (479, 22751), (512, 22943), (518, 22964), (520, 22982), (539, 23039), (549, 23072), (561, 23129), (578, 23189), (587, 23234), (591, 23255), (592, 23258), (597, 23282), (611, 23348), (613, 23360), (624, 23399), (644, 23486), (661, 23573), (687, 23630), (694, 23648), (703, 23663), (722, 23702),

Gene: Doughnut_23 Start: 18681, Stop: 21020, Start Num: 20

Candidate Starts for Doughnut_23:

(Start: 20 @18681 has 36 MA's), (135, 18921), (174, 19029), (176, 19038), (183, 19059), (192, 19083), (245, 19212), (249, 19224), (289, 19293), (343, 19428), (349, 19446), (358, 19473), (395, 19575), (420, 19647), (429, 19689), (431, 19695), (432, 19704), (434, 19710), (454, 19791), (458, 19812), (468, 19854), (471, 19875), (479, 19905), (491, 19992), (493, 20001), (500, 20037), (510, 20091), (523, 20145), (525, 20157), (549, 20217), (562, 20277), (566, 20295), (573, 20322), (587, 20379), (629, 20568), (636, 20598), (653, 20676), (658, 20697), (670, 20739), (682, 20772), (687, 20781), (695, 20802), (708, 20829), (747, 20910), (756, 20934),

Gene: Drake55_33 Start: 23226, Stop: 25310, Start Num: 60

Candidate Starts for Drake55_33:

(Start: 60 @23226 has 32 MA's), (98, 23340), (103, 23355), (108, 23376), (132, 23454), (174, 23577), (199, 23655), (Start: 298 @23766 has 65 MA's), (305, 23787), (341, 23901), (353, 23937), (468, 24138), (470, 24156), (477, 24180), (492, 24279), (512, 24381), (520, 24420), (523, 24432), (549, 24510), (578, 24627), (579, 24633), (591, 24693), (613, 24798), (619, 24813), (649, 24954), (650, 24957), (660, 25008), (665, 25023), (675, 25047), (700, 25101), (710, 25125), (750, 25230), (775, 25296),

Gene: Drake94_31 Start: 21398, Stop: 23680, Start Num: 54

Candidate Starts for Drake94_31:

(Start: 54 @21398 has 25 MA's), (67, 21431), (94, 21515), (113, 21581), (161, 21713), (197, 21827), (199, 21836), (Start: 227 @21920 has 1 MA's), (260, 21995), (Start: 298 @22073 has 65 MA's), (325, 22148), (351, 22238), (434, 22364), (468, 22511), (470, 22529), (477, 22553), (512, 22754), (520, 22793), (549, 22883), (561, 22940), (576, 22994), (587, 23045), (591, 23066), (594, 23075), (597, 23093), (599, 23105), (624, 23210), (628, 23225), (629, 23231), (636, 23264), (658, 23363), (660, 23384), (661, 23387), (687, 23444), (694, 23462), (695, 23465), (703, 23477), (722, 23516), (740, 23558), (741, 23561), (774, 23663),

Gene: DropBear_31 Start: 22899, Stop: 24758, Start Num: 228

Candidate Starts for DropBear_31:

(Start: 228 @22899 has 32 MA's), (299, 23025), (302, 23034), (328, 23100), (334, 23121), (349, 23163), (400, 23319), (417, 23367), (435, 23436), (436, 23442), (445, 23472), (468, 23580), (470, 23598), (477, 23622), (520, 23862), (549, 23952), (578, 24069), (599, 24174), (613, 24240), (619, 24255), (656, 24426), (695, 24531), (725, 24585), (742, 24624), (758, 24678), (767, 24705), (773, 24729),

Gene: Druantia_31 Start: 22961, Stop: 24817, Start Num: 205

Candidate Starts for Druantia_31:

(Start: 205 @22961 has 143 MA's), (262, 23087), (279, 23111), (331, 23216), (332, 23222), (349, 23270), (352, 23279), (369, 23321), (385, 23366), (387, 23372), (427, 23477), (431, 23489), (455, 23567), (469, 23636), (510, 23864), (517, 23888), (518, 23891), (522, 23918), (523, 23921), (552, 24026), (557, 24056), (560, 24071), (585, 24161), (594, 24200), (602, 24245), (639, 24413), (665,

24530), (670, 24536), (687, 24581), (712, 24632), (713, 24635), (741, 24698), (744, 24707), (773, 24794),

Gene: DudeLittle_31 Start: 22847, Stop: 25045, Start Num: 61

Candidate Starts for DudeLittle_31:

(Start: 61 @22847 has 29 MA's), (69, 22868), (103, 22973), (127, 23057), (139, 23093), (174, 23195), (176, 23207), (268, 23318), (Start: 298 @23384 has 65 MA's), (341, 23519), (353, 23555), (362, 23582), (449, 23780), (468, 23867), (470, 23885), (477, 23909), (482, 23939), (512, 24110), (523, 24161), (549, 24239), (561, 24296), (587, 24401), (591, 24422), (595, 24434), (613, 24527), (619, 24542), (632, 24611), (640, 24638), (683, 24791), (694, 24815), (758, 24968), (771, 25007),

Gene: DuncansLeg_21 Start: 19709, Stop: 22222, Start Num: 14

Candidate Starts for DuncansLeg_21:

(Start: 14 @19709 has 19 MA's), (29, 19772), (51, 19841), (53, 19844), (107, 20012), (182, 20204), (193, 20234), (206, 20273), (217, 20303), (239, 20360), (253, 20390), (258, 20396), (284, 20450), (289, 20456), (343, 20603), (344, 20606), (347, 20615), (353, 20633), (371, 20693), (378, 20714), (390, 20765), (392, 20768), (399, 20795), (440, 20933), (455, 20990), (472, 21074), (477, 21092), (479, 21101), (487, 21164), (498, 21230), (509, 21284), (519, 21329), (523, 21344), (540, 21392), (562, 21482), (566, 21500), (579, 21545), (582, 21551), (587, 21584), (590, 21602), (599, 21641), (607, 21677), (617, 21722), (623, 21746), (628, 21767), (631, 21785), (638, 21818), (656, 21896), (664, 21932), (678, 21962), (715, 22037), (732, 22073), (755, 22136), (760, 22142),

Gene: DustyMartin_37 Start: 23534, Stop: 25366, Start Num: 54

Candidate Starts for DustyMartin_37:

(Start: 54 @23534 has 25 MA's), (67, 23567), (113, 23717), (124, 23744), (179, 23918), (189, 23939), (191, 23942), (468, 24203), (470, 24221), (520, 24482), (539, 24539), (549, 24572), (576, 24683), (590, 24752), (611, 24848), (613, 24860), (619, 24875), (624, 24899), (628, 24914), (629, 24920), (632, 24944), (644, 24986), (654, 25031), (658, 25049), (661, 25073), (694, 25148), (703, 25163), (707, 25172), (722, 25202), (740, 25244), (774, 25349), (775, 25352),

Gene: Dynamo_21 Start: 19047, Stop: 21686, Start Num: 9

Candidate Starts for Dynamo_21:

(Start: 9 @19047 has 17 MA's), (10, 19056), (42, 19200), (135, 19473), (137, 19482), (138, 19485), (147, 19506), (152, 19518), (154, 19527), (163, 19551), (177, 19605), (202, 19683), (214, 19713), (226, 19749), (235, 19770), (240, 19785), (259, 19827), (279, 19860), (318, 19935), (326, 19959), (327, 19965), (331, 19977), (343, 20019), (345, 20025), (374, 20112), (413, 20244), (419, 20262), (427, 20295), (434, 20322), (447, 20373), (487, 20583), (497, 20649), (505, 20685), (523, 20784), (525, 20796), (545, 20859), (585, 21021), (589, 21036), (599, 21087), (624, 21204), (632, 21249), (643, 21291), (650, 21327), (661, 21381), (682, 21429), (747, 21573), (765, 21630), (774, 21669), (777, 21678),

Gene: EZMoney23_35 Start: 24766, Stop: 26544, Start Num: 61

Candidate Starts for EZMoney23_35:

(Start: 61 @24766 has 29 MA's), (69, 24787), (98, 24877), (101, 24886), (127, 24970), (150, 25030), (Start: 298 @25186 has 65 MA's), (449, 25285), (468, 25375), (470, 25393), (477, 25417), (512, 25618), (520, 25657), (549, 25747), (561, 25804), (619, 26050), (628, 26089), (639, 26146), (658, 26227), (660, 26248), (703, 26341), (740, 26422),

Gene: Eagle_30 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Eagle_30:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (498, 23803), (505, 23833), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552,

24025), (556, 24046), (557, 24055), (594, 24199), (602, 24244), (637, 24406), (665, 24529), (687, 24580), (741, 24697), (744, 24706), (773, 24793),

Gene: Eaglepride_34 Start: 23450, Stop: 25285, Start Num: 54

Candidate Starts for Eaglepride_34:

(Start: 54 @23450 has 25 MA's), (67, 23483), (68, 23486), (124, 23660), (143, 23720), (191, 23858), (197, 23879), (204, 23906), (436, 23981), (438, 23987), (450, 24032), (465, 24104), (468, 24119), (470, 24137), (518, 24383), (520, 24401), (539, 24458), (549, 24491), (553, 24512), (561, 24548), (576, 24602), (587, 24653), (591, 24674), (611, 24767), (619, 24794), (624, 24818), (628, 24833), (629, 24839), (658, 24968), (660, 24989), (661, 24992), (694, 25067), (703, 25082), (707, 25091), (722, 25121), (740, 25163), (747, 25193), (758, 25223), (774, 25268),

Gene: Eapen_31 Start: 22959, Stop: 24815, Start Num: 205

Candidate Starts for Eapen_31:

(Start: 205 @22959 has 143 MA's), (262, 23085), (279, 23109), (331, 23214), (332, 23220), (349, 23268), (369, 23319), (385, 23364), (387, 23370), (427, 23475), (431, 23487), (455, 23565), (469, 23634), (510, 23862), (517, 23886), (518, 23889), (522, 23916), (523, 23919), (552, 24024), (557, 24054), (560, 24069), (585, 24159), (594, 24198), (602, 24243), (639, 24411), (665, 24528), (670, 24534), (687, 24579), (712, 24630), (713, 24633), (741, 24696), (744, 24705), (773, 24792),

Gene: Echild_31 Start: 22854, Stop: 25181, Start Num: 60

Candidate Starts for Echild_31:

(Start: 60 @22854 has 32 MA's), (69, 22878), (101, 22977), (103, 22983), (110, 23010), (127, 23067), (139, 23103), (160, 23157), (168, 23184), (174, 23205), (179, 23229), (199, 23283), (Start: 298 @23394 has 65 MA's), (341, 23529), (352, 23562), (405, 23748), (468, 24000), (470, 24018), (477, 24042), (512, 24243), (520, 24282), (549, 24372), (561, 24429), (578, 24489), (587, 24534), (591, 24555), (619, 24675), (624, 24699), (632, 24744), (640, 24777), (686, 24933), (740, 25044), (758, 25104), (774, 25158), (777, 25167),

Gene: Edison31_33 Start: 23483, Stop: 25318, Start Num: 54

Candidate Starts for Edison31_33:

(Start: 54 @23483 has 25 MA's), (67, 23516), (124, 23693), (187, 23885), (191, 23891), (197, 23912), (204, 23939), (462, 24119), (468, 24152), (470, 24170), (477, 24194), (493, 24302), (507, 24368), (520, 24434), (539, 24491), (549, 24524), (561, 24581), (576, 24635), (581, 24650), (590, 24704), (613, 24812), (619, 24827), (624, 24851), (628, 24866), (654, 24983), (658, 25001), (660, 25022), (661, 25025), (694, 25100), (703, 25115), (740, 25196), (747, 25226), (758, 25256), (774, 25301), (775, 25304),

Gene: EdogawaKiddo_31 Start: 24389, Stop: 26143, Start Num: 62

Candidate Starts for EdogawaKiddo_31:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (492, 25115), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (694, 25925), (703, 25940), (747, 26051), (774, 26126),

Gene: Eidsmoe_33 Start: 24443, Stop: 26209, Start Num: 56

Candidate Starts for Eidsmoe_33:

(Start: 56 @24443 has 26 MA's), (116, 24629), (150, 24719), (169, 24764), (172, 24773), (Start: 298 @24851 has 65 MA's), (308, 24875), (322, 24911), (468, 25040), (470, 25058), (512, 25283), (518, 25304), (520, 25322), (549, 25412), (561, 25469), (590, 25592), (619, 25715), (628, 25754), (639, 25811), (658, 25892), (660, 25913), (661, 25916), (703, 26006), (747, 26117), (774, 26192),

Gene: Ekdilam_24 Start: 21084, Stop: 23462, Start Num: 39

Candidate Starts for Ekdilam_24:

(Start: 39 @21084 has 43 MA's), (43, 21093), (59, 21132), (102, 21255), (120, 21324), (165, 21444), (218, 21612), (236, 21654), (259, 21705), (293, 21747), (295, 21750), (304, 21771), (327, 21837), (360, 21933), (389, 22029), (408, 22077), (438, 22146), (455, 22215), (464, 22254), (469, 22284), (493, 22428), (521, 22563), (522, 22566), (523, 22569), (530, 22608), (549, 22662), (562, 22725), (584, 22803), (585, 22809), (589, 22824), (590, 22836), (597, 22866), (613, 22953), (615, 22959), (640, 23064), (646, 23088), (649, 23109), (660, 23163), (672, 23193), (690, 23223), (735, 23304), (740, 23325), (741, 23328), (775, 23436),

Gene: Elephantoon_32 Start: 23816, Stop: 25582, Start Num: 56

Candidate Starts for Elephantoon_32:

(Start: 56 @23816 has 26 MA's), (116, 24002), (150, 24092), (169, 24137), (172, 24146), (282, 24215), (Start: 298 @24224 has 65 MA's), (308, 24248), (322, 24284), (450, 24326), (462, 24380), (468, 24413), (470, 24431), (477, 24455), (478, 24461), (507, 24629), (512, 24656), (520, 24695), (549, 24785), (561, 24842), (579, 24908), (590, 24965), (598, 25004), (619, 25088), (628, 25127), (658, 25265), (660, 25286), (661, 25289), (703, 25379), (740, 25460), (774, 25565),

Gene: Ellie_24 Start: 21059, Stop: 23461, Start Num: 39

Candidate Starts for Ellie_24:

(Start: 39 @21059 has 43 MA's), (52, 21089), (59, 21107), (90, 21191), (145, 21365), (190, 21497), (218, 21587), (236, 21629), (259, 21680), (293, 21722), (295, 21725), (318, 21782), (326, 21806), (327, 21812), (339, 21851), (360, 21908), (389, 22004), (438, 22121), (455, 22190), (464, 22229), (469, 22259), (479, 22301), (493, 22403), (521, 22538), (522, 22541), (523, 22544), (530, 22583), (549, 22637), (584, 22775), (585, 22781), (589, 22796), (590, 22808), (597, 22838), (613, 22925), (615, 22931), (626, 22973), (649, 23081), (660, 23135), (695, 23231), (700, 23237), (708, 23255), (728, 23291), (730, 23294), (734, 23303), (740, 23327), (746, 23354),

Gene: Ellson_21 Start: 19717, Stop: 22227, Start Num: 14

Candidate Starts for Ellson_21:

(Start: 14 @19717 has 19 MA's), (29, 19780), (71, 19900), (139, 20086), (182, 20212), (187, 20224), (193, 20242), (206, 20281), (217, 20311), (253, 20398), (284, 20458), (289, 20464), (342, 20605), (344, 20611), (347, 20620), (353, 20638), (371, 20698), (378, 20719), (390, 20770), (392, 20773), (415, 20842), (455, 20995), (472, 21079), (477, 21097), (479, 21106), (496, 21217), (498, 21235), (509, 21289), (519, 21334), (523, 21349), (540, 21397), (562, 21487), (566, 21505), (582, 21556), (587, 21589), (590, 21607), (599, 21646), (607, 21682), (617, 21727), (623, 21751), (628, 21772), (631, 21790), (638, 21823), (639, 21826), (650, 21877), (666, 21943), (678, 21967), (715, 22042), (732, 22078), (760, 22147),

Gene: EmyBug_33 Start: 24443, Stop: 26209, Start Num: 56

Candidate Starts for EmyBug_33:

(Start: 56 @24443 has 26 MA's), (116, 24629), (150, 24719), (169, 24764), (172, 24773), (Start: 298 @24851 has 65 MA's), (308, 24875), (322, 24911), (468, 25040), (470, 25058), (512, 25283), (518, 25304), (520, 25322), (549, 25412), (561, 25469), (590, 25592), (619, 25715), (628, 25754), (639, 25811), (658, 25892), (660, 25913), (661, 25916), (703, 26006), (747, 26117), (774, 26192),

Gene: Enkosi_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Enkosi_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118),

(562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: EpicPhail_33 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for EpicPhail_33:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: Equemioh13_33 Start: 23218, Stop: 25425, Start Num: 60

Candidate Starts for Equemioh13_33:

(Start: 60 @23218 has 32 MA's), (98, 23332), (101, 23341), (103, 23347), (108, 23368), (143, 23479), (174, 23569), (176, 23581), (Start: 298 @23758 has 65 MA's), (313, 23797), (341, 23893), (449, 24154), (468, 24244), (473, 24274), (477, 24286), (510, 24484), (549, 24625), (553, 24646), (576, 24736), (578, 24742), (579, 24748), (587, 24787), (591, 24808), (598, 24844), (599, 24847), (613, 24913), (619, 24928), (621, 24931), (624, 24952), (631, 24985), (661, 25129), (683, 25177), (718, 25240), (744, 25300), (758, 25348), (774, 25402),

Gene: Eris_30 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Eris_30:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Eros_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Eros_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: EtoileNova_32 Start: 23377, Stop: 25236, Start Num: 228

Candidate Starts for EtoileNova_32:

(Start: 228 @23377 has 32 MA's), (305, 23521), (316, 23539), (328, 23578), (334, 23599), (349, 23641), (355, 23659), (407, 23818), (417, 23845), (445, 23950), (450, 23971), (468, 24058), (477, 24100), (520, 24340), (549, 24430), (561, 24487), (599, 24652), (611, 24706), (613, 24718), (619, 24733), (648, 24862), (649, 24874), (661, 24934), (665, 24946), (690, 24991), (695, 25009), (758, 25156), (767, 25183), (774, 25213),

Gene: Eurydice_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Eurydice_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (599, 24223), (602, 24241), (624, 24340), (665, 24526), (687, 24577), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: EvilGenius_33 Start: 23186, Stop: 25663, Start Num: 20

Candidate Starts for EvilGenius_33:

(Start: 20 @23186 has 36 MA's), (30, 23207), (59, 23297), (92, 23396), (105, 23444), (112, 23465), (157, 23576), (245, 23822), (257, 23849), (268, 23864), (302, 23939), (349, 24080), (371, 24152), (398, 24254), (464, 24464), (477, 24527), (494, 24638), (495, 24641), (506, 24698), (519, 24764), (520, 24767), (523, 24779), (535, 24821), (549, 24863), (561, 24920), (587, 25025), (591, 25046), (599, 25085), (632, 25235), (636, 25241), (648, 25295), (649, 25307), (652, 25316), (656, 25337), (680, 25406), (731, 25505), (742, 25532), (743, 25535), (761, 25589), (767, 25616),

Gene: ExplosioNervosa_33 Start: 24446, Stop: 26212, Start Num: 56

Candidate Starts for ExplosioNervosa_33:

(Start: 56 @24446 has 26 MA's), (116, 24632), (150, 24722), (169, 24767), (172, 24776), (Start: 298 @24854 has 65 MA's), (308, 24878), (322, 24914), (468, 25043), (470, 25061), (512, 25286), (518, 25307), (520, 25325), (549, 25415), (561, 25472), (590, 25595), (619, 25718), (628, 25757), (639, 25814), (658, 25895), (660, 25916), (661, 25919), (703, 26009), (747, 26120), (774, 26195),

Gene: FF47_24 Start: 19326, Stop: 21644, Start Num: 79

Candidate Starts for FF47_24:

(Start: 79 @19326 has 2 MA's), (139, 19527), (156, 19572), (161, 19584), (196, 19695), (219, 19761), (292, 19902), (339, 20034), (351, 20073), (357, 20085), (369, 20124), (375, 20142), (384, 20178), (403, 20238), (427, 20313), (442, 20340), (455, 20403), (467, 20460), (501, 20655), (518, 20724), (520, 20742), (521, 20748), (522, 20751), (523, 20754), (555, 20871), (556, 20877), (575, 20955), (588, 21003), (589, 21006), (604, 21084), (613, 21135), (619, 21150), (622, 21162), (636, 21225), (640, 21246), (645, 21267), (658, 21324), (660, 21345), (678, 21384), (694, 21426), (711, 21459), (713, 21465), (720, 21480), (751, 21564),

Gene: Faiyaz_27 Start: 23429, Stop: 26023, Start Num: 15

Candidate Starts for Faiyaz_27:

(Start: 15 @23429 has 4 MA's), (21, 23468), (45, 23543), (83, 23645), (86, 23654), (107, 23732), (135, 23813), (137, 23822), (154, 23867), (155, 23870), (159, 23879), (163, 23891), (164, 23894), (171, 23918), (177, 23945), (178, 23954), (202, 24017), (226, 24083), (240, 24119), (242, 24122), (279, 24194), (283, 24200), (318, 24269), (343, 24353), (370, 24434), (376, 24455), (427, 24629), (434, 24656), (447, 24707), (456, 24752), (468, 24803), (469, 24812), (484, 24890), (503, 25013), (504, 25016), (505, 25019), (525, 25130), (545, 25193), (556, 25241), (580, 25328), (585, 25355), (587, 25364), (589, 25370), (599, 25421), (624, 25538), (625, 25541), (643, 25625), (650, 25661), (658, 25691), (661, 25715), (682, 25766), (685, 25772), (690, 25778), (739, 25880), (748, 25916), (774, 26006), (777, 26015),

Gene: Fameo_31 Start: 22816, Stop: 25014, Start Num: 61

Candidate Starts for Fameo_31:

(Start: 61 @22816 has 29 MA's), (69, 22837), (101, 22936), (127, 23026), (139, 23062), (174, 23164), (176, 23176), (Start: 298 @23353 has 65 MA's), (341, 23488), (383, 23629), (468, 23842), (470, 23860), (477, 23884), (512, 24085), (549, 24214), (561, 24271), (578, 24331), (587, 24376), (591, 24397), (619, 24517), (639, 24607), (640, 24610), (661, 24715), (671, 24739), (688, 24769), (690, 24772), (758, 24937), (774, 24991),

Gene: Farber_33 Start: 23270, Stop: 25027, Start Num: 298

Candidate Starts for Farber_33:

(Start: 298 @23270 has 65 MA's), (341, 23405), (363, 23471), (376, 23516), (385, 23552), (427, 23684), (436, 23720), (444, 23741), (455, 23798), (468, 23858), (480, 23912), (487, 23972), (509, 24092), (510, 24095), (525, 24164), (537, 24188), (561, 24281), (566, 24302), (579, 24347), (651, 24677), (670, 24746), (695, 24809), (770, 24980),

Gene: Fayely_33 Start: 24410, Stop: 26176, Start Num: 56

Candidate Starts for Fayely_33:

(Start: 56 @24410 has 26 MA's), (62, 24422), (116, 24596), (150, 24686), (169, 24731), (172, 24740), (Start: 298 @24818 has 65 MA's), (308, 24842), (322, 24878), (468, 25007), (470, 25025), (512, 25250), (518, 25271), (520, 25289), (549, 25379), (561, 25436), (590, 25559), (619, 25682), (628, 25721), (639, 25778), (658, 25859), (660, 25880), (661, 25883), (703, 25973), (747, 26084), (774, 26159),

Gene: Fefferhead_26 Start: 21226, Stop: 23613, Start Num: 39

Candidate Starts for Fefferhead_26:

(Start: 39 @21226 has 43 MA's), (52, 21256), (59, 21274), (90, 21358), (145, 21532), (190, 21664), (218, 21754), (236, 21796), (259, 21847), (293, 21889), (295, 21892), (318, 21949), (326, 21973), (327, 21979), (339, 22018), (360, 22075), (389, 22171), (438, 22288), (455, 22357), (464, 22396), (466, 22405), (469, 22426), (479, 22468), (493, 22570), (521, 22705), (522, 22708), (523, 22711), (530, 22750), (549, 22804), (590, 22978), (613, 23095), (615, 23101), (639, 23203), (661, 23308), (662, 23314), (681, 23362), (731, 23455), (740, 23479), (747, 23509), (775, 23587),

Gene: Fernando_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for Fernando_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: Findley_23 Start: 18661, Stop: 21000, Start Num: 20

Candidate Starts for Findley_23:

(Start: 20 @18661 has 36 MA's), (83, 18832), (88, 18850), (135, 18901), (176, 19018), (189, 19051), (237, 19180), (243, 19189), (249, 19204), (255, 19216), (263, 19225), (289, 19273), (331, 19369), (336, 19387), (343, 19408), (358, 19453), (395, 19555), (420, 19627), (429, 19669), (431, 19675), (432, 19684), (454, 19771), (458, 19792), (468, 19834), (471, 19855), (491, 19972), (493, 19981), (500, 20017), (510, 20071), (523, 20125), (525, 20137), (534, 20161), (562, 20257), (566, 20275), (573, 20302), (587, 20359), (599, 20416), (629, 20548), (636, 20578), (647, 20629), (650, 20647), (658, 20677), (675, 20731), (687, 20761), (695, 20782), (756, 20914),

Gene: Finny_21 Start: 19728, Stop: 22241, Start Num: 14

Candidate Starts for Finny_21:

(Start: 14 @19728 has 19 MA's), (29, 19791), (53, 19863), (85, 19953), (87, 19959), (107, 20031), (182, 20223), (187, 20235), (193, 20253), (206, 20292), (217, 20322), (239, 20379), (253, 20409), (258, 20415), (284, 20469), (289, 20475), (343, 20622), (344, 20625), (347, 20634), (353, 20652), (371, 20712), (375, 20721), (378, 20733), (390, 20784), (392, 20787), (440, 20952), (455, 21009), (472, 21093), (477, 21111), (479, 21120), (487, 21183), (509, 21303), (519, 21348), (523, 21363), (527, 21381), (540, 21411), (562, 21501), (582, 21570), (587, 21603), (591, 21624), (599, 21660), (607, 21696), (617, 21741), (623, 21765), (624, 21771), (628, 21786), (631, 21804), (638, 21837), (650, 21891), (656, 21915), (664, 21951), (666, 21957), (678, 21981), (752, 22146), (755, 22155), (760, 22161),

Gene: Fionnbharth_28 Start: 22273, Stop: 24582, Start Num: 39

Candidate Starts for Fionnbharth_28:

(Start: 39 @22273 has 43 MA's), (75, 22363), (81, 22384), (88, 22408), (123, 22525), (168, 22654), (185, 22714), (209, 22786), (214, 22795), (233, 22846), (236, 22852), (238, 22861), (267, 22912), (300, 22924), (309, 22939), (312, 22945), (327, 22978), (346, 23026), (379, 23080), (404, 23152), (419, 23191), (424, 23203), (431, 23218), (447, 23263), (463, 23332), (480, 23413), (503, 23566), (513, 23608), (538, 23737), (549, 23782), (562, 23848), (565, 23863), (591, 23959), (624, 24112),

(628, 24127), (629, 24133), (632, 24157), (633, 24163), (635, 24169), (636, 24172), (640, 24196), (643, 24208), (662, 24304), (689, 24355), (691, 24358), (722, 24427), (740, 24463), (748, 24496), (769, 24550), (772, 24559), (777, 24574),

Gene: FiringLine_31 Start: 22638, Stop: 24839, Start Num: 61

Candidate Starts for FiringLine_31:

(Start: 61 @22638 has 29 MA's), (69, 22659), (101, 22758), (103, 22764), (110, 22791), (111, 22794), (127, 22848), (139, 22884), (174, 22986), (Start: 298 @23175 has 65 MA's), (340, 23307), (341, 23310), (468, 23664), (470, 23682), (477, 23706), (512, 23907), (520, 23946), (549, 24036), (561, 24093), (578, 24153), (587, 24198), (591, 24219), (613, 24324), (619, 24339), (624, 24363), (632, 24408), (640, 24435), (649, 24480), (671, 24564), (744, 24714), (758, 24762), (767, 24786),

Gene: First_0031 Start: 22858, Stop: 25263, Start Num: 61

Candidate Starts for First_0031:

(Start: 61 @22858 has 29 MA's), (69, 22879), (98, 22969), (101, 22978), (108, 22999), (127, 23062), (139, 23098), (168, 23179), (191, 23248), (197, 23269), (199, 23278), (252, 23410), (Start: 298 @23500 has 65 MA's), (303, 23515), (341, 23635), (352, 23668), (355, 23677), (383, 23776), (389, 23803), (449, 24016), (468, 24106), (470, 24124), (477, 24148), (512, 24349), (520, 24388), (524, 24409), (539, 24445), (549, 24478), (553, 24499), (561, 24535), (576, 24589), (587, 24640), (591, 24661), (613, 24766), (619, 24781), (658, 24949), (669, 24991), (704, 25060), (771, 25231), (773, 25240), (774, 25246),

Gene: Flare16_31 Start: 22776, Stop: 24998, Start Num: 60

Candidate Starts for Flare16_31:

(Start: 60 @22776 has 32 MA's), (98, 22890), (103, 22905), (143, 23037), (179, 23151), (189, 23172), (199, 23205), (Start: 298 @23316 has 65 MA's), (313, 23355), (341, 23451), (374, 23553), (468, 23802), (473, 23832), (477, 23844), (506, 24015), (520, 24084), (549, 24183), (576, 24294), (578, 24300), (579, 24306), (587, 24345), (598, 24402), (599, 24405), (613, 24471), (632, 24555), (649, 24627), (683, 24747), (739, 24858), (753, 24909), (758, 24921),

Gene: Flaverint_31 Start: 23391, Stop: 25382, Start Num: 198

Candidate Starts for Flaverint_31:

(Start: 198 @23391 has 11 MA's), (238, 23502), (244, 23511), (271, 23568), (281, 23583), (294, 23601), (300, 23613), (325, 23661), (329, 23679), (333, 23682), (372, 23802), (404, 23916), (413, 23937), (419, 23955), (427, 23988), (469, 24171), (476, 24201), (477, 24204), (505, 24378), (507, 24384), (510, 24408), (513, 24414), (525, 24489), (545, 24552), (555, 24594), (556, 24600), (587, 24723), (597, 24771), (599, 24780), (624, 24897), (625, 24900), (632, 24942), (643, 24984), (650, 25020), (661, 25074), (682, 25125), (685, 25131), (690, 25137), (708, 25179), (747, 25269), (765, 25326), (774, 25365), (777, 25374),

Gene: Florean_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Florean_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Flux_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Flux_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455,

23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: ForesterFrank_33 Start: 24779, Stop: 26557, Start Num: 61

Candidate Starts for ForesterFrank_33:

(Start: 61 @24779 has 29 MA's), (98, 24890), (101, 24899), (127, 24986), (143, 25034), (150, 25046), (179, 25148), (Start: 298 @25202 has 65 MA's), (307, 25223), (311, 25235), (449, 25301), (468, 25391), (470, 25409), (477, 25433), (493, 25541), (497, 25568), (500, 25577), (520, 25673), (539, 25730), (576, 25874), (590, 25943), (619, 26066), (628, 26105), (658, 26240), (660, 26261), (669, 26282), (703, 26354), (740, 26435), (758, 26495), (771, 26525), (774, 26540),

Gene: Fred313_31 Start: 22584, Stop: 24443, Start Num: 228

Candidate Starts for Fred313_31:

(Start: 228 @22584 has 32 MA's), (299, 22710), (302, 22719), (328, 22785), (334, 22806), (349, 22848), (400, 23004), (417, 23052), (435, 23121), (436, 23127), (445, 23157), (468, 23265), (470, 23283), (477, 23307), (520, 23547), (549, 23637), (578, 23754), (599, 23859), (613, 23925), (619, 23940), (656, 24111), (695, 24216), (725, 24270), (742, 24309), (758, 24363), (767, 24390), (773, 24414),

Gene: Fulbright_20 Start: 17553, Stop: 20198, Start Num: 9

Candidate Starts for Fulbright_20:

(7, 17541), (Start: 9 @17553 has 17 MA's), (11, 17565), (12, 17577), (18, 17631), (40, 17700), (42, 17703), (45, 17712), (52, 17727), (109, 17904), (135, 17985), (137, 17994), (203, 18198), (222, 18246), (226, 18261), (235, 18282), (242, 18300), (250, 18324), (259, 18339), (266, 18348), (279, 18375), (283, 18381), (318, 18450), (326, 18471), (327, 18477), (330, 18486), (338, 18513), (343, 18531), (374, 18624), (380, 18645), (413, 18756), (419, 18774), (427, 18807), (447, 18885), (469, 18990), (479, 19032), (515, 19251), (521, 19290), (522, 19293), (525, 19308), (545, 19371), (556, 19419), (585, 19533), (591, 19563), (597, 19590), (599, 19599), (624, 19716), (632, 19761), (643, 19803), (658, 19869), (661, 19893), (682, 19941), (685, 19947), (690, 19953), (694, 19968), (738, 20052), (748, 20091), (774, 20181), (777, 20190),

Gene: Funston_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Funston_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Gadost_31 Start: 22964, Stop: 24820, Start Num: 205

Candidate Starts for Gadost_31:

(Start: 205 @22964 has 143 MA's), (262, 23090), (279, 23114), (331, 23219), (332, 23225), (349, 23273), (352, 23282), (369, 23324), (385, 23369), (387, 23375), (427, 23480), (431, 23492), (455, 23570), (469, 23639), (510, 23867), (517, 23891), (518, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (557, 24059), (585, 24164), (594, 24203), (602, 24248), (637, 24410), (639, 24416), (665, 24533), (670, 24539), (687, 24584), (712, 24635), (713, 24638), (741, 24701), (744, 24710), (773, 24797),

Gene: Gail_31 Start: 22024, Stop: 24468, Start Num: 20

Candidate Starts for Gail_31:

(Start: 20 @22024 has 36 MA's), (96, 22237), (115, 22294), (134, 22315), (272, 22669), (308, 22747), (348, 22870), (349, 22873), (370, 22930), (371, 22936), (377, 22954), (383, 22981), (397, 23035), (398, 23038), (464, 23272), (469, 23302), (470, 23311), (493, 23443), (506, 23506), (511, 23533), (519, 23572), (549, 23674), (566, 23752), (578, 23791), (587, 23836), (590, 23854), (599, 23896), (612, 23962), (618, 23977), (628, 24016), (629, 24022), (668, 24193), (680, 24214), (692, 24241), (747, 24358), (760, 24388),

Gene: GaugeLDP_33 Start: 24026, Stop: 25807, Start Num: 61

Candidate Starts for GaugeLDP_33:

(Start: 61 @24026 has 29 MA's), (69, 24047), (98, 24137), (101, 24146), (103, 24152), (143, 24284), (150, 24296), (168, 24353), (173, 24371), (311, 24485), (449, 24551), (468, 24641), (470, 24659), (477, 24683), (512, 24884), (520, 24923), (549, 25013), (553, 25034), (576, 25124), (587, 25175), (591, 25196), (624, 25340), (628, 25355), (634, 25385), (658, 25490), (660, 25511), (703, 25604), (722, 25643), (740, 25685), (747, 25715), (774, 25790),

Gene: Gavriela_21 Start: 18926, Stop: 21559, Start Num: 9

Candidate Starts for Gavriela_21:

(Start: 9 @18926 has 17 MA's), (10, 18935), (42, 19079), (135, 19352), (138, 19364), (147, 19385), (155, 19409), (177, 19484), (202, 19556), (214, 19586), (226, 19622), (250, 19685), (259, 19700), (274, 19727), (279, 19733), (318, 19808), (326, 19832), (327, 19838), (331, 19850), (343, 19892), (345, 19898), (374, 19985), (380, 20006), (385, 20030), (404, 20096), (413, 20117), (419, 20135), (427, 20168), (433, 20192), (434, 20195), (447, 20246), (469, 20351), (479, 20393), (505, 20558), (522, 20654), (545, 20732), (547, 20744), (569, 20834), (585, 20894), (587, 20903), (597, 20951), (599, 20960), (624, 21077), (632, 21122), (643, 21164), (658, 21230), (661, 21254), (682, 21302), (685, 21308), (690, 21314), (738, 21413), (741, 21422), (748, 21452), (774, 21542), (777, 21551),

Gene: Gemma_33 Start: 23357, Stop: 25165, Start Num: 50

Candidate Starts for Gemma_33:

(Start: 50 @23357 has 18 MA's), (98, 23492), (116, 23558), (131, 23603), (143, 23639), (174, 23729), (179, 23753), (282, 23798), (307, 23828), (468, 23996), (470, 24014), (477, 24038), (503, 24200), (512, 24239), (520, 24278), (549, 24368), (587, 24530), (591, 24551), (610, 24638), (624, 24695), (628, 24710), (641, 24773), (658, 24848), (660, 24869), (703, 24962), (722, 25001), (740, 25043), (773, 25142),

Gene: Georgie2_32 Start: 22683, Stop: 24884, Start Num: 61

Candidate Starts for Georgie2_32:

(Start: 61 @22683 has 29 MA's), (69, 22704), (101, 22803), (103, 22809), (110, 22836), (111, 22839), (127, 22893), (139, 22929), (174, 23031), (Start: 298 @23220 has 65 MA's), (340, 23352), (341, 23355), (468, 23709), (470, 23727), (477, 23751), (512, 23952), (520, 23991), (549, 24081), (561, 24138), (578, 24198), (587, 24243), (591, 24264), (613, 24369), (619, 24384), (624, 24408), (632, 24453), (640, 24480), (649, 24525), (661, 24585), (671, 24609), (744, 24759), (758, 24807), (767, 24831),

Gene: Gilberta_31 Start: 23388, Stop: 25379, Start Num: 198

Candidate Starts for Gilberta_31:

(Start: 198 @23388 has 11 MA's), (238, 23499), (244, 23508), (271, 23565), (281, 23580), (294, 23598), (300, 23610), (325, 23658), (329, 23676), (333, 23679), (372, 23799), (404, 23913), (413, 23934), (419, 23952), (427, 23985), (469, 24168), (476, 24198), (477, 24201), (505, 24375), (507, 24381), (510, 24405), (513, 24411), (525, 24486), (545, 24549), (555, 24591), (556, 24597), (587, 24720), (597, 24768), (599, 24777), (624, 24894), (625, 24897), (632, 24939), (643, 24981), (650, 25017), (661, 25071), (682, 25122), (685, 25128), (690, 25134), (708, 25176), (747, 25266), (765, 25323), (774, 25362), (777, 25371),

Gene: GingkoMaracino_33 Start: 23163, Stop: 24920, Start Num: 298

Candidate Starts for GingkoMaracino_33:

(Start: 298 @23163 has 65 MA's), (341, 23298), (363, 23364), (376, 23409), (385, 23445), (427, 23577), (436, 23613), (444, 23634), (455, 23691), (468, 23751), (480, 23805), (487, 23865), (509, 23985), (510, 23988), (525, 24057), (537, 24081), (561, 24174), (566, 24195), (579, 24240), (651, 24570), (670, 24639), (695, 24702), (770, 24873),

Gene: Giroux_32 Start: 22838, Stop: 24697, Start Num: 228

Candidate Starts for Giroux_32:

(Start: 228 @22838 has 32 MA's), (305, 22982), (314, 22997), (328, 23039), (369, 23162), (382, 23210), (398, 23252), (400, 23258), (407, 23279), (468, 23519), (473, 23549), (483, 23597), (503, 23723), (512, 23762), (520, 23801), (539, 23858), (549, 23891), (587, 24053), (588, 24056), (599, 24113), (613, 24179), (619, 24194), (661, 24395), (722, 24521), (725, 24524), (753, 24605), (758, 24617), (767, 24644), (774, 24674),

Gene: Glaske_21 Start: 18926, Stop: 21559, Start Num: 9

Candidate Starts for Glaske_21:

(Start: 9 @18926 has 17 MA's), (10, 18935), (42, 19079), (135, 19352), (138, 19364), (147, 19385), (155, 19409), (177, 19484), (202, 19556), (214, 19586), (226, 19622), (250, 19685), (259, 19700), (274, 19727), (279, 19733), (318, 19808), (326, 19832), (327, 19838), (331, 19850), (343, 19892), (345, 19898), (374, 19985), (380, 20006), (385, 20030), (404, 20096), (413, 20117), (419, 20135), (427, 20168), (433, 20192), (434, 20195), (447, 20246), (469, 20351), (479, 20393), (505, 20558), (522, 20654), (545, 20732), (547, 20744), (569, 20834), (585, 20894), (587, 20903), (597, 20951), (599, 20960), (624, 21077), (632, 21122), (643, 21164), (658, 21230), (661, 21254), (682, 21302), (685, 21308), (690, 21314), (738, 21413), (741, 21422), (748, 21452), (774, 21542), (777, 21551),

Gene: Goose_32 Start: 23270, Stop: 25105, Start Num: 54

Candidate Starts for Goose_32:

(Start: 54 @23270 has 25 MA's), (67, 23303), (72, 23318), (174, 23630), (179, 23654), (187, 23672), (189, 23675), (191, 23678), (197, 23699), (204, 23726), (468, 23939), (470, 23957), (477, 23981), (497, 24116), (500, 24125), (520, 24221), (539, 24278), (549, 24311), (576, 24422), (590, 24491), (613, 24599), (619, 24614), (628, 24653), (629, 24659), (644, 24725), (658, 24788), (660, 24809), (661, 24812), (662, 24818), (669, 24830), (694, 24887), (703, 24902), (707, 24911), (717, 24926), (740, 24983), (758, 25043), (774, 25088), (775, 25091),

Gene: Gratitude_32 Start: 23218, Stop: 25425, Start Num: 60

Candidate Starts for Gratitude_32:

(Start: 60 @23218 has 32 MA's), (98, 23332), (101, 23341), (103, 23347), (108, 23368), (143, 23479), (174, 23569), (176, 23581), (Start: 298 @23758 has 65 MA's), (313, 23797), (341, 23893), (449, 24154), (468, 24244), (473, 24274), (477, 24286), (510, 24484), (549, 24625), (553, 24646), (576, 24736), (578, 24742), (579, 24748), (587, 24787), (591, 24808), (598, 24844), (599, 24847), (613, 24913), (619, 24928), (621, 24931), (624, 24952), (631, 24985), (661, 25129), (683, 25177), (718, 25240), (744, 25300), (758, 25348), (774, 25402),

Gene: Grif_33 Start: 23360, Stop: 25111, Start Num: 298

Candidate Starts for Grif_33:

(Start: 298 @23360 has 65 MA's), (341, 23495), (363, 23561), (376, 23606), (385, 23642), (409, 23714), (416, 23732), (436, 23810), (444, 23831), (468, 23948), (492, 24086), (509, 24182), (510, 24185), (525, 24254), (537, 24278), (551, 24323), (561, 24371), (579, 24437), (614, 24608), (616, 24614), (629, 24665), (639, 24710), (658, 24788), (670, 24830), (687, 24872), (741, 24974), (742, 24977), (747, 25001),

Gene: Groupthink_34 Start: 23361, Stop: 25169, Start Num: 50

Candidate Starts for Groupthink_34:

(Start: 50 @23361 has 18 MA's), (98, 23496), (116, 23562), (131, 23607), (143, 23643), (174, 23733), (179, 23757), (282, 23802), (307, 23832), (468, 24000), (470, 24018), (477, 24042), (503, 24204), (512, 24243), (520, 24282), (549, 24372), (587, 24534), (591, 24555), (610, 24642), (624, 24699), (628, 24714), (641, 24777), (658, 24852), (660, 24873), (703, 24966), (722, 25005), (740, 25047), (773, 25146),

Gene: Grub_33 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for Grub_33:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: Grum1_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for Grum1_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: GtownJaz_33 Start: 23278, Stop: 25035, Start Num: 298

Candidate Starts for GtownJaz_33:

(Start: 298 @23278 has 65 MA's), (341, 23413), (363, 23479), (376, 23524), (385, 23560), (427, 23692), (436, 23728), (444, 23749), (455, 23806), (468, 23866), (480, 23920), (487, 23980), (509, 24100), (510, 24103), (525, 24172), (537, 24196), (561, 24289), (566, 24310), (579, 24355), (651, 24685), (670, 24754), (695, 24817), (770, 24988),

Gene: Gwennie_32 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for Gwennie_32:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: HamSlice_30 Start: 22958, Stop: 24814, Start Num: 205

Candidate Starts for HamSlice_30:

(Start: 205 @22958 has 143 MA's), (262, 23084), (279, 23108), (331, 23213), (332, 23219), (349, 23267), (369, 23318), (385, 23363), (387, 23369), (427, 23474), (431, 23486), (455, 23564), (469, 23633), (510, 23861), (517, 23885), (518, 23888), (522, 23915), (523, 23918), (552, 24023), (557, 24053), (560, 24068), (585, 24158), (594, 24197), (602, 24242), (639, 24410), (665, 24527), (670, 24533), (687, 24578), (712, 24629), (713, 24632), (741, 24695), (744, 24704), (773, 24791),

Gene: Hammy_26 Start: 21316, Stop: 23694, Start Num: 39

Candidate Starts for Hammy_26:

(Start: 39 @21316 has 43 MA's), (43, 21325), (59, 21364), (102, 21487), (116, 21544), (120, 21556), (145, 21622), (165, 21676), (190, 21754), (218, 21844), (236, 21886), (259, 21937), (293, 21979), (295, 21982), (304, 22003), (326, 22063), (327, 22069), (389, 22261), (438, 22378), (464, 22486), (467, 22504), (469, 22516), (493, 22660), (521, 22795), (522, 22798), (523, 22801), (529, 22834), (530, 22840), (549, 22894), (574, 23002), (584, 23035), (585, 23041), (589, 23056), (597, 23098), (613, 23185), (615, 23191), (646, 23320), (649, 23341), (735, 23536), (740, 23557), (741, 23560), (749, 23599), (775, 23668),

Gene: Hanray_32 Start: 24381, Stop: 26147, Start Num: 56

Candidate Starts for Hanray_32:

(Start: 56 @24381 has 26 MA's), (62, 24393), (116, 24567), (150, 24657), (169, 24702), (172, 24711), (Start: 298 @24789 has 65 MA's), (308, 24813), (322, 24849), (468, 24978), (470, 24996), (512, 25221), (518, 25242), (520, 25260), (549, 25350), (561, 25407), (590, 25530), (619, 25653), (628, 25692), (639, 25749), (658, 25830), (660, 25851), (661, 25854), (694, 25929), (703, 25944), (747, 26055), (774, 26130),

Gene: Happiness_31 Start: 22966, Stop: 24822, Start Num: 205

Candidate Starts for Happiness_31:

(Start: 205 @22966 has 143 MA's), (262, 23092), (279, 23116), (319, 23191), (331, 23221), (349, 23275), (352, 23284), (369, 23326), (387, 23377), (427, 23482), (431, 23494), (455, 23572), (469, 23641), (498, 23809), (505, 23839), (510, 23869), (517, 23893), (518, 23896), (522, 23923), (523, 23926), (552, 24031), (556, 24052), (557, 24061), (585, 24166), (594, 24205), (602, 24250), (637, 24412), (665, 24535), (687, 24586), (712, 24637), (713, 24640), (741, 24703), (744, 24712), (773, 24799),

Gene: HarryHoudini_33 Start: 23229, Stop: 25313, Start Num: 60

Candidate Starts for HarryHoudini_33:

(Start: 60 @23229 has 32 MA's), (98, 23343), (103, 23358), (174, 23580), (176, 23592), (Start: 298 @23769 has 65 MA's), (341, 23904), (353, 23940), (468, 24141), (470, 24159), (477, 24183), (512, 24384), (520, 24423), (523, 24435), (549, 24513), (561, 24570), (578, 24630), (579, 24636), (591, 24696), (613, 24801), (619, 24816), (625, 24843), (649, 24957), (650, 24960), (660, 25011), (662, 25020), (665, 25026), (675, 25050), (700, 25104), (710, 25128), (750, 25233), (775, 25299),

Gene: HashRod_34 Start: 23364, Stop: 25115, Start Num: 298

Candidate Starts for HashRod_34:

(Start: 298 @23364 has 65 MA's), (341, 23499), (363, 23565), (376, 23610), (385, 23646), (422, 23757), (427, 23778), (436, 23814), (444, 23835), (468, 23952), (492, 24090), (509, 24186), (510, 24189), (525, 24258), (537, 24282), (551, 24327), (561, 24375), (579, 24441), (614, 24612), (616, 24618), (629, 24669), (639, 24714), (647, 24744), (658, 24792), (670, 24834), (677, 24849), (678, 24852), (687, 24876), (741, 24978), (742, 24981), (747, 25005),

Gene: Hashim76_34 Start: 28773, Stop: 31235, Start Num: 27

Candidate Starts for Hashim76_34:

(Start: 27 @28773 has 6 MA's), (29, 28782), (65, 28887), (76, 28920), (85, 28947), (99, 28989), (139, 29103), (163, 29166), (171, 29193), (183, 29235), (269, 29442), (285, 29478), (302, 29511), (331, 29577), (358, 29664), (366, 29685), (375, 29718), (418, 29847), (434, 29913), (468, 30060), (470, 30078), (493, 30210), (497, 30237), (506, 30273), (520, 30342), (523, 30354), (532, 30384), (539, 30399), (544, 30420), (561, 30489), (563, 30501), (579, 30555), (582, 30561), (586, 30591), (590, 30612), (624, 30759), (632, 30804), (640, 30831), (741, 31101), (758, 31158), (766, 31179),

Gene: HaveUMetTed_34 Start: 23354, Stop: 25162, Start Num: 50

Candidate Starts for HaveUMetTed_34:

(Start: 50 @23354 has 18 MA's), (98, 23489), (116, 23555), (131, 23600), (132, 23603), (179, 23750), (282, 23795), (307, 23825), (468, 23993), (470, 24011), (477, 24035), (503, 24197), (512, 24236), (520, 24275), (549, 24365), (587, 24527), (591, 24548), (610, 24635), (624, 24692), (628, 24707), (641, 24770), (658, 24845), (660, 24866), (703, 24959), (722, 24998), (740, 25040), (773, 25139),

Gene: Heathen_31 Start: 22640, Stop: 24499, Start Num: 228

Candidate Starts for Heathen_31:

(Start: 228 @22640 has 32 MA's), (299, 22766), (302, 22775), (328, 22841), (334, 22862), (349, 22904), (400, 23060), (417, 23108), (435, 23177), (436, 23183), (445, 23213), (468, 23321), (470,

23339), (477, 23363), (520, 23603), (549, 23693), (578, 23810), (599, 23915), (613, 23981), (619, 23996), (656, 24167), (695, 24272), (725, 24326), (742, 24365), (758, 24419), (767, 24446), (773, 24470),

Gene: Heffalump_33 Start: 24558, Stop: 26342, Start Num: 61

Candidate Starts for Heffalump_33:

(Start: 61 @24558 has 29 MA's), (69, 24579), (101, 24678), (110, 24711), (127, 24768), (139, 24804), (449, 25083), (450, 25086), (468, 25173), (470, 25191), (477, 25215), (492, 25314), (503, 25377), (512, 25416), (520, 25455), (549, 25545), (556, 25575), (562, 25605), (568, 25629), (587, 25707), (591, 25728), (624, 25872), (628, 25887), (658, 26025), (660, 26046), (703, 26139), (722, 26178), (729, 26187), (740, 26220), (747, 26250), (758, 26280), (773, 26319),

Gene: HelDan_31 Start: 22892, Stop: 24751, Start Num: 228

Candidate Starts for HelDan_31:

(Start: 228 @22892 has 32 MA's), (299, 23018), (302, 23027), (328, 23093), (334, 23114), (349, 23156), (400, 23312), (417, 23360), (435, 23429), (436, 23435), (445, 23465), (468, 23573), (470, 23591), (477, 23615), (520, 23855), (549, 23945), (578, 24062), (599, 24167), (613, 24233), (619, 24248), (656, 24419), (695, 24524), (725, 24578), (742, 24617), (758, 24671), (767, 24698), (773, 24722),

Gene: Heliosoles_33 Start: 23361, Stop: 25169, Start Num: 50

Candidate Starts for Heliosoles_33:

(Start: 50 @23361 has 18 MA's), (98, 23496), (116, 23562), (131, 23607), (143, 23643), (174, 23733), (179, 23757), (282, 23802), (307, 23832), (468, 24000), (470, 24018), (477, 24042), (503, 24204), (512, 24243), (520, 24282), (549, 24372), (587, 24534), (591, 24555), (610, 24642), (624, 24699), (628, 24714), (641, 24777), (658, 24852), (660, 24873), (703, 24966), (722, 25005), (740, 25047), (773, 25146),

Gene: Hercules11_33 Start: 23284, Stop: 25041, Start Num: 298

Candidate Starts for Hercules11_33:

(Start: 298 @23284 has 65 MA's), (341, 23419), (363, 23485), (376, 23530), (385, 23566), (427, 23698), (436, 23734), (444, 23755), (455, 23812), (468, 23872), (480, 23926), (487, 23986), (509, 24106), (510, 24109), (525, 24178), (537, 24202), (561, 24295), (566, 24316), (579, 24361), (651, 24691), (670, 24760), (695, 24823), (770, 24994),

Gene: Hilltopfarm_27 Start: 23459, Stop: 26053, Start Num: 15

Candidate Starts for Hilltopfarm_27:

(Start: 15 @23459 has 4 MA's), (21, 23498), (45, 23573), (83, 23675), (86, 23684), (107, 23762), (135, 23843), (137, 23852), (154, 23897), (155, 23900), (159, 23909), (163, 23921), (164, 23924), (171, 23948), (177, 23975), (178, 23984), (202, 24047), (226, 24113), (240, 24149), (242, 24152), (279, 24224), (283, 24230), (318, 24299), (343, 24383), (370, 24464), (376, 24485), (413, 24608), (427, 24659), (434, 24686), (447, 24737), (456, 24782), (468, 24833), (469, 24842), (477, 24875), (484, 24920), (503, 25043), (504, 25046), (505, 25049), (525, 25160), (545, 25223), (556, 25271), (580, 25358), (585, 25385), (587, 25394), (589, 25400), (597, 25442), (599, 25451), (624, 25568), (625, 25571), (643, 25655), (650, 25691), (661, 25745), (682, 25796), (685, 25802), (690, 25808), (708, 25850), (739, 25910), (748, 25946), (774, 26036), (777, 26045),

Gene: HippoHollow_32 Start: 24484, Stop: 26271, Start Num: 60

Candidate Starts for HippoHollow_32:

(Start: 60 @24484 has 32 MA's), (69, 24508), (98, 24598), (101, 24607), (110, 24640), (127, 24697), (161, 24790), (464, 25081), (468, 25102), (470, 25120), (477, 25144), (512, 25345), (520, 25384), (549, 25474), (561, 25531), (591, 25657), (613, 25762), (628, 25816), (658, 25954), (661, 25978), (703, 26068), (722, 26107), (736, 26131), (740, 26149), (774, 26254),

Gene: Holec_32 Start: 24381, Stop: 26147, Start Num: 56

Candidate Starts for Holec_32:

(Start: 56 @24381 has 26 MA's), (62, 24393), (116, 24567), (150, 24657), (169, 24702), (172, 24711), (Start: 298 @24789 has 65 MA's), (308, 24813), (322, 24849), (468, 24978), (470, 24996), (512, 25221), (518, 25242), (520, 25260), (549, 25350), (561, 25407), (590, 25530), (619, 25653), (628, 25692), (639, 25749), (658, 25830), (660, 25851), (661, 25854), (703, 25944), (747, 26055), (774, 26130),

Gene: Holli_31 Start: 22750, Stop: 24606, Start Num: 205

Candidate Starts for Holli_31:

(Start: 205 @22750 has 143 MA's), (262, 22876), (279, 22900), (331, 23005), (332, 23011), (349, 23059), (352, 23068), (369, 23110), (385, 23155), (387, 23161), (427, 23266), (431, 23278), (455, 23356), (469, 23425), (510, 23653), (517, 23677), (518, 23680), (522, 23707), (523, 23710), (552, 23815), (557, 23845), (560, 23860), (585, 23950), (594, 23989), (602, 24034), (639, 24202), (665, 24319), (670, 24325), (687, 24370), (712, 24421), (713, 24424), (741, 24487), (744, 24496), (773, 24583),

Gene: Hookmount_32 Start: 23374, Stop: 25233, Start Num: 228

Candidate Starts for Hookmount_32:

(Start: 228 @23374 has 32 MA's), (305, 23518), (316, 23536), (328, 23575), (334, 23596), (349, 23638), (355, 23656), (407, 23815), (417, 23842), (445, 23947), (450, 23968), (468, 24055), (477, 24097), (520, 24337), (549, 24427), (561, 24484), (599, 24649), (611, 24703), (613, 24715), (619, 24730), (648, 24859), (649, 24871), (661, 24931), (665, 24943), (690, 24988), (695, 25006), (758, 25153), (767, 25180), (774, 25210),

Gene: HortumSL17_33 Start: 24377, Stop: 26143, Start Num: 56

Candidate Starts for HortumSL17_33:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774, 26126),

Gene: Houdini22_31 Start: 22964, Stop: 24820, Start Num: 205

Candidate Starts for Houdini22_31:

(Start: 205 @22964 has 143 MA's), (262, 23090), (279, 23114), (331, 23219), (332, 23225), (349, 23273), (352, 23282), (369, 23324), (385, 23369), (387, 23375), (427, 23480), (431, 23492), (455, 23570), (469, 23639), (510, 23867), (517, 23891), (518, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (557, 24059), (585, 24164), (594, 24203), (602, 24248), (637, 24410), (639, 24416), (665, 24533), (670, 24539), (687, 24584), (712, 24635), (713, 24638), (741, 24701), (744, 24710), (773, 24797),

Gene: Hurricane_26 Start: 21315, Stop: 23663, Start Num: 20

Candidate Starts for Hurricane_26:

(Start: 20 @21315 has 36 MA's), (32, 21342), (38, 21375), (59, 21420), (80, 21480), (166, 21636), (179, 21681), (193, 21717), (199, 21735), (Start: 228 @21813 has 32 MA's), (249, 21861), (319, 21993), (336, 22047), (341, 22062), (382, 22170), (420, 22287), (429, 22329), (431, 22335), (432, 22344), (435, 22353), (455, 22434), (458, 22452), (460, 22455), (468, 22494), (471, 22515), (477, 22536), (479, 22545), (491, 22632), (508, 22725), (509, 22728), (525, 22800), (566, 22938), (579, 22983), (587, 23022), (590, 23040), (611, 23139), (615, 23157), (629, 23211), (636, 23241), (639, 23259), (646, 23286), (647, 23292), (658, 23340), (682, 23415), (687, 23424), (695, 23445), (701, 23454), (747, 23553), (763, 23595),

Gene: Huxley_31 Start: 23021, Stop: 24877, Start Num: 205

Candidate Starts for Huxley_31:

(Start: 205 @23021 has 143 MA's), (262, 23147), (279, 23171), (331, 23276), (332, 23282), (349, 23330), (369, 23381), (385, 23426), (387, 23432), (427, 23537), (431, 23549), (452, 23612), (455, 23627), (469, 23696), (510, 23924), (517, 23948), (518, 23951), (522, 23978), (523, 23981), (552, 24086), (556, 24107), (557, 24116), (585, 24221), (594, 24260), (602, 24305), (665, 24590), (670, 24596), (687, 24641), (712, 24692), (713, 24695), (741, 24758), (744, 24767), (773, 24854),

Gene: ICleared_31 Start: 22958, Stop: 24814, Start Num: 205

Candidate Starts for ICleared_31:

(Start: 205 @22958 has 143 MA's), (262, 23084), (279, 23108), (331, 23213), (332, 23219), (349, 23267), (369, 23318), (385, 23363), (387, 23369), (427, 23474), (431, 23486), (455, 23564), (469, 23633), (510, 23861), (517, 23885), (518, 23888), (522, 23915), (523, 23918), (552, 24023), (556, 24044), (557, 24053), (585, 24158), (594, 24197), (602, 24242), (637, 24404), (639, 24410), (665, 24527), (670, 24533), (687, 24578), (712, 24629), (713, 24632), (741, 24695), (744, 24704), (773, 24791),

Gene: Iceman_32 Start: 23249, Stop: 25105, Start Num: 205

Candidate Starts for Iceman_32:

(Start: 205 @23249 has 143 MA's), (262, 23375), (279, 23399), (331, 23504), (332, 23510), (349, 23558), (369, 23609), (385, 23654), (387, 23660), (427, 23765), (431, 23777), (455, 23855), (469, 23924), (510, 24152), (517, 24176), (518, 24179), (522, 24206), (523, 24209), (552, 24314), (557, 24344), (560, 24359), (585, 24449), (594, 24488), (602, 24533), (639, 24701), (662, 24812), (665, 24818), (670, 24824), (687, 24869), (712, 24920), (713, 24923), (741, 24986), (744, 24995), (773, 25082),

Gene: Idleandcovert_31 Start: 22838, Stop: 24697, Start Num: 228

Candidate Starts for Idleandcovert_31:

(Start: 228 @22838 has 32 MA's), (305, 22982), (314, 22997), (328, 23039), (369, 23162), (382, 23210), (398, 23252), (400, 23258), (407, 23279), (468, 23519), (473, 23549), (483, 23597), (503, 23723), (512, 23762), (520, 23801), (539, 23858), (549, 23891), (587, 24053), (588, 24056), (599, 24113), (613, 24179), (619, 24194), (661, 24395), (722, 24521), (725, 24524), (753, 24605), (758, 24617), (767, 24644), (774, 24674),

Gene: Impisi_21 Start: 17560, Stop: 20205, Start Num: 9

Candidate Starts for Impisi_21:

(7, 17548), (Start: 9 @17560 has 17 MA's), (11, 17572), (33, 17683), (40, 17707), (42, 17710), (45, 17719), (94, 17857), (105, 17899), (106, 17902), (135, 17992), (137, 18001), (138, 18004), (147, 18025), (152, 18037), (163, 18070), (177, 18124), (202, 18202), (214, 18232), (226, 18268), (250, 18331), (259, 18346), (279, 18379), (318, 18454), (326, 18478), (327, 18484), (331, 18496), (343, 18538), (345, 18544), (374, 18631), (380, 18652), (385, 18676), (404, 18742), (413, 18763), (419, 18781), (427, 18814), (433, 18838), (434, 18841), (447, 18892), (469, 18997), (479, 19039), (505, 19204), (522, 19300), (545, 19378), (547, 19390), (569, 19480), (585, 19540), (587, 19549), (597, 19597), (599, 19606), (624, 19723), (632, 19768), (643, 19810), (658, 19876), (661, 19900), (682, 19948), (685, 19954), (690, 19960), (738, 20059), (741, 20068), (748, 20098), (774, 20188), (777, 20197),

Gene: Imvubu_24 Start: 26459, Stop: 28915, Start Num: 27

Candidate Starts for Imvubu_24:

(Start: 27 @26459 has 6 MA's), (Start: 60 @26561 has 32 MA's), (65, 26573), (84, 26630), (129, 26753), (139, 26783), (171, 26873), (219, 27020), (237, 27071), (258, 27101), (269, 27122), (285, 27158), (287, 27161), (290, 27164), (302, 27191), (328, 27251), (331, 27257), (339, 27284), (358,

27344), (370, 27383), (401, 27479), (418, 27527), (434, 27593), (450, 27653), (462, 27707), (468, 27740), (470, 27758), (497, 27917), (503, 27944), (506, 27953), (507, 27956), (512, 27983), (519, 28019), (520, 28022), (523, 28034), (532, 28064), (542, 28088), (549, 28112), (561, 28169), (582, 28241), (586, 28271), (587, 28274), (590, 28292), (591, 28295), (596, 28316), (601, 28349), (621, 28418), (632, 28484), (640, 28511), (646, 28535), (649, 28556), (658, 28592), (661, 28616), (688, 28670), (694, 28688), (722, 28742), (725, 28745), (742, 28784), (748, 28814), (758, 28838),

Gene: Indlovu_28 Start: 28755, Stop: 31250, Start Num: 24

Candidate Starts for Indlovu_28:

(Start: 24 @28755 has 1 MA's), (41, 28815), (126, 29073), (128, 29079), (139, 29112), (168, 29193), (215, 29331), (248, 29403), (261, 29430), (285, 29484), (302, 29517), (310, 29532), (331, 29592), (341, 29628), (344, 29637), (347, 29646), (357, 29676), (366, 29700), (375, 29733), (391, 29799), (401, 29814), (412, 29844), (416, 29853), (434, 29928), (445, 29964), (446, 29970), (450, 29985), (467, 30069), (468, 30072), (470, 30090), (492, 30213), (497, 30249), (512, 30315), (520, 30354), (523, 30366), (539, 30411), (544, 30432), (549, 30444), (579, 30567), (581, 30570), (582, 30573), (586, 30603), (587, 30606), (598, 30663), (601, 30681), (611, 30720), (621, 30750), (640, 30843), (656, 30918), (658, 30924), (722, 31074), (742, 31116), (750, 31152), (758, 31170), (767, 31197), (774, 31227),

Gene: Insomnia_31 Start: 23449, Stop: 25440, Start Num: 198

Candidate Starts for Insomnia_31:

(Start: 198 @23449 has 11 MA's), (238, 23560), (244, 23569), (271, 23626), (281, 23641), (294, 23659), (300, 23671), (325, 23719), (329, 23737), (333, 23740), (372, 23860), (404, 23974), (413, 23995), (419, 24013), (427, 24046), (469, 24229), (476, 24259), (477, 24262), (505, 24436), (507, 24442), (510, 24466), (513, 24472), (525, 24547), (545, 24610), (555, 24652), (556, 24658), (587, 24781), (597, 24829), (599, 24838), (624, 24955), (625, 24958), (632, 25000), (643, 25042), (650, 25078), (661, 25132), (682, 25183), (685, 25189), (690, 25195), (708, 25237), (765, 25384), (774, 25423), (777, 25432),

Gene: Iracema64_32 Start: 23268, Stop: 25124, Start Num: 205

Candidate Starts for Iracema64_32:

(Start: 205 @23268 has 143 MA's), (262, 23394), (279, 23418), (331, 23523), (332, 23529), (349, 23577), (352, 23586), (369, 23628), (385, 23673), (387, 23679), (427, 23784), (431, 23796), (452, 23859), (455, 23874), (469, 23943), (498, 24111), (510, 24171), (518, 24198), (522, 24225), (523, 24228), (552, 24333), (556, 24354), (557, 24363), (585, 24468), (602, 24552), (624, 24651), (665, 24837), (670, 24843), (687, 24888), (712, 24939), (713, 24942), (741, 25005), (744, 25014), (773, 25101),

Gene: IronMan_34 Start: 24846, Stop: 26621, Start Num: 61

Candidate Starts for IronMan_34:

(28, 24744), (Start: 61 @24846 has 29 MA's), (69, 24867), (98, 24957), (101, 24966), (119, 25023), (127, 25050), (132, 25065), (161, 25143), (275, 25236), (282, 25257), (307, 25287), (311, 25299), (462, 25422), (468, 25455), (470, 25473), (477, 25497), (495, 25611), (512, 25698), (520, 25737), (539, 25794), (587, 25989), (591, 26010), (624, 26154), (628, 26169), (658, 26304), (661, 26328), (703, 26418), (740, 26499), (774, 26604),

Gene: Isca_31 Start: 22776, Stop: 24635, Start Num: 228

Candidate Starts for Isca_31:

(Start: 228 @22776 has 32 MA's), (299, 22902), (305, 22920), (314, 22935), (328, 22977), (400, 23196), (407, 23217), (417, 23244), (436, 23319), (445, 23349), (468, 23457), (470, 23475), (477, 23499), (520, 23739), (539, 23796), (549, 23829), (570, 23922), (578, 23946), (599, 24051), (613, 24117), (619, 24132), (656, 24303), (695, 24408), (722, 24459), (725, 24462), (742, 24501), (758, 24555), (767, 24582), (773, 24606),

Gene: Iwokeuplikedis_32 Start: 22493, Stop: 24805, Start Num: 60

Candidate Starts for Iwokeuplikedis_32:

(Start: 60 @22493 has 32 MA's), (101, 22616), (103, 22622), (110, 22649), (116, 22673), (179, 22868), (252, 23054), (Start: 298 @23144 has 65 MA's), (305, 23165), (320, 23201), (341, 23279), (352, 23312), (355, 23321), (464, 23612), (468, 23633), (470, 23651), (477, 23675), (493, 23783), (512, 23876), (520, 23915), (549, 24005), (578, 24122), (587, 24167), (591, 24188), (632, 24377), (639, 24398), (661, 24506), (671, 24530), (688, 24560), (742, 24674), (744, 24680), (758, 24728), (774, 24782),

Gene: JF1_28 Start: 22272, Stop: 24581, Start Num: 39

Candidate Starts for JF1_28:

(Start: 39 @22272 has 43 MA's), (75, 22362), (81, 22383), (88, 22407), (123, 22524), (168, 22653), (185, 22713), (209, 22785), (214, 22794), (233, 22845), (236, 22851), (238, 22860), (267, 22911), (300, 22923), (309, 22938), (312, 22944), (327, 22977), (346, 23025), (379, 23079), (404, 23151), (419, 23190), (424, 23202), (431, 23217), (447, 23262), (463, 23331), (480, 23412), (503, 23565), (513, 23607), (538, 23736), (549, 23781), (562, 23847), (565, 23862), (591, 23958), (624, 24111), (628, 24126), (629, 24132), (632, 24156), (633, 24162), (635, 24168), (636, 24171), (640, 24195), (643, 24207), (662, 24303), (689, 24354), (691, 24357), (722, 24426), (740, 24462), (748, 24495), (769, 24549), (772, 24558), (777, 24573),

Gene: JF2_31 Start: 22527, Stop: 24386, Start Num: 228

Candidate Starts for JF2_31:

(Start: 228 @22527 has 32 MA's), (299, 22653), (305, 22671), (314, 22686), (328, 22728), (349, 22791), (399, 22944), (400, 22947), (407, 22968), (417, 22995), (436, 23070), (450, 23121), (468, 23208), (477, 23250), (520, 23490), (539, 23547), (549, 23580), (570, 23673), (578, 23697), (599, 23802), (613, 23868), (619, 23883), (656, 24054), (695, 24159), (725, 24213), (742, 24252), (755, 24300), (758, 24306), (767, 24333), (773, 24357),

Gene: JF4_31 Start: 22527, Stop: 24386, Start Num: 228

Candidate Starts for JF4_31:

(Start: 228 @22527 has 32 MA's), (299, 22653), (305, 22671), (314, 22686), (328, 22728), (349, 22791), (399, 22944), (400, 22947), (407, 22968), (417, 22995), (436, 23070), (450, 23121), (468, 23208), (477, 23250), (520, 23490), (539, 23547), (549, 23580), (570, 23673), (578, 23697), (599, 23802), (613, 23868), (619, 23883), (656, 24054), (695, 24159), (725, 24213), (742, 24252), (755, 24300), (758, 24306), (767, 24333), (773, 24357),

Gene: JHC117_33 Start: 23275, Stop: 25032, Start Num: 298

Candidate Starts for JHC117_33:

(Start: 298 @23275 has 65 MA's), (341, 23410), (363, 23476), (376, 23521), (385, 23557), (427, 23689), (436, 23725), (444, 23746), (455, 23803), (468, 23863), (480, 23917), (487, 23977), (509, 24097), (510, 24100), (525, 24169), (537, 24193), (561, 24286), (566, 24307), (579, 24352), (651, 24682), (670, 24751), (695, 24814), (770, 24985),

Gene: Jaan_35 Start: 25218, Stop: 26993, Start Num: 54

Candidate Starts for Jaan_35:

(37, 25179), (Start: 54 @25218 has 25 MA's), (98, 25329), (101, 25338), (119, 25395), (127, 25422), (161, 25515), (275, 25608), (282, 25629), (307, 25659), (311, 25671), (462, 25794), (468, 25827), (470, 25845), (477, 25869), (495, 25983), (498, 26007), (512, 26070), (520, 26109), (523, 26121), (539, 26166), (587, 26361), (591, 26382), (628, 26541), (629, 26547), (644, 26613), (658, 26676), (660, 26697), (703, 26790), (740, 26871), (747, 26901), (758, 26931), (774, 26976),

Gene: Jabith_31 Start: 23449, Stop: 25440, Start Num: 198

Candidate Starts for Jabith_31:

(Start: 198 @23449 has 11 MA's), (238, 23560), (244, 23569), (271, 23626), (281, 23641), (294, 23659), (300, 23671), (325, 23719), (329, 23737), (333, 23740), (372, 23860), (404, 23974), (413, 23995), (419, 24013), (427, 24046), (469, 24229), (476, 24259), (477, 24262), (505, 24436), (507, 24442), (510, 24466), (513, 24472), (525, 24547), (545, 24610), (555, 24652), (556, 24658), (587, 24781), (597, 24829), (599, 24838), (624, 24955), (625, 24958), (632, 25000), (643, 25042), (650, 25078), (661, 25132), (682, 25183), (685, 25189), (690, 25195), (708, 25237), (747, 25327), (765, 25384), (774, 25423), (777, 25432),

Gene: Jaykayelowell_31 Start: 22956, Stop: 24812, Start Num: 205

Candidate Starts for Jaykayelowell_31:

(Start: 205 @22956 has 143 MA's), (262, 23082), (279, 23106), (331, 23211), (332, 23217), (349, 23265), (369, 23316), (385, 23361), (387, 23367), (427, 23472), (431, 23484), (455, 23562), (469, 23631), (510, 23859), (518, 23886), (522, 23913), (523, 23916), (552, 24021), (557, 24051), (560, 24066), (585, 24156), (594, 24195), (602, 24240), (639, 24408), (665, 24525), (670, 24531), (687, 24576), (712, 24627), (713, 24630), (741, 24693), (744, 24702), (773, 24789),

Gene: JenCasNa_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for JenCasNa_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: JeppNRM_34 Start: 23360, Stop: 25168, Start Num: 50

Candidate Starts for JeppNRM_34:

(Start: 50 @23360 has 18 MA's), (98, 23495), (116, 23561), (131, 23606), (132, 23609), (169, 23714), (179, 23756), (282, 23801), (307, 23831), (463, 23972), (468, 23999), (470, 24017), (477, 24041), (503, 24203), (512, 24242), (520, 24281), (549, 24371), (587, 24533), (591, 24554), (610, 24641), (624, 24698), (628, 24713), (641, 24776), (658, 24851), (660, 24872), (703, 24965), (722, 25004), (740, 25046), (773, 25145),

Gene: Jerm_33 Start: 23204, Stop: 25408, Start Num: 60

Candidate Starts for Jerm_33:

(Start: 60 @23204 has 32 MA's), (98, 23318), (101, 23327), (110, 23360), (127, 23417), (174, 23555), (Start: 298 @23744 has 65 MA's), (341, 23879), (355, 23921), (377, 23993), (468, 24233), (470, 24251), (477, 24275), (493, 24383), (512, 24476), (520, 24515), (549, 24605), (561, 24662), (562, 24665), (578, 24722), (579, 24728), (587, 24767), (591, 24788), (640, 25004), (649, 25049), (694, 25181), (716, 25217), (726, 25238), (742, 25277), (758, 25331), (778, 25400),

Gene: JetBlade_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for JetBlade_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Jiawan_32 Start: 24413, Stop: 26179, Start Num: 56

Candidate Starts for Jiawan_32:

(Start: 56 @24413 has 26 MA's), (62, 24425), (116, 24599), (150, 24689), (169, 24734), (172, 24743), (Start: 298 @24821 has 65 MA's), (308, 24845), (322, 24881), (468, 25010), (470, 25028), (512,

25253), (518, 25274), (520, 25292), (549, 25382), (561, 25439), (590, 25562), (619, 25685), (628, 25724), (639, 25781), (658, 25862), (660, 25883), (661, 25886), (694, 25961), (703, 25976), (747, 26087), (774, 26162),

Gene: Jobu08_33 Start: 23349, Stop: 25154, Start Num: 50

Candidate Starts for Jobu08_33:

(Start: 50 @23349 has 18 MA's), (98, 23484), (116, 23550), (131, 23595), (169, 23703), (179, 23745), (282, 23790), (307, 23820), (468, 23988), (470, 24006), (477, 24030), (498, 24168), (503, 24192), (512, 24231), (520, 24270), (549, 24360), (587, 24522), (591, 24543), (610, 24630), (628, 24702), (634, 24732), (644, 24774), (658, 24837), (661, 24861), (694, 24936), (703, 24951), (722, 24990), (740, 25032), (774, 25137),

Gene: Jobypre_21 Start: 19724, Stop: 22237, Start Num: 14

Candidate Starts for Jobypre_21:

(Start: 14 @19724 has 19 MA's), (29, 19787), (53, 19859), (85, 19949), (87, 19955), (107, 20027), (149, 20114), (182, 20219), (187, 20231), (193, 20249), (206, 20288), (217, 20318), (239, 20375), (253, 20405), (258, 20411), (284, 20465), (289, 20471), (343, 20618), (344, 20621), (347, 20630), (353, 20648), (371, 20708), (375, 20717), (378, 20729), (390, 20780), (392, 20783), (440, 20948), (455, 21005), (472, 21089), (477, 21107), (479, 21116), (487, 21179), (509, 21299), (516, 21323), (519, 21344), (523, 21359), (527, 21377), (540, 21407), (562, 21497), (582, 21566), (587, 21599), (591, 21620), (599, 21656), (607, 21692), (617, 21737), (623, 21761), (624, 21767), (628, 21782), (631, 21800), (650, 21887), (656, 21911), (664, 21947), (666, 21953), (678, 21977), (715, 22052), (716, 22055), (752, 22142), (755, 22151), (760, 22157),

Gene: JoongJeon_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for JoongJeon_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Joselito_31 Start: 23397, Stop: 25388, Start Num: 198

Candidate Starts for Joselito_31:

(Start: 198 @23397 has 11 MA's), (238, 23508), (244, 23517), (271, 23574), (281, 23589), (294, 23607), (300, 23619), (325, 23667), (329, 23685), (333, 23688), (372, 23808), (404, 23922), (413, 23943), (419, 23961), (427, 23994), (469, 24177), (476, 24207), (477, 24210), (505, 24384), (507, 24390), (510, 24414), (513, 24420), (525, 24495), (545, 24558), (555, 24600), (556, 24606), (587, 24729), (597, 24777), (599, 24786), (624, 24903), (625, 24906), (632, 24948), (643, 24990), (650, 25026), (661, 25080), (682, 25131), (685, 25137), (690, 25143), (708, 25185), (747, 25275), (765, 25332), (774, 25371), (777, 25380),

Gene: JoshKayV_33 Start: 23180, Stop: 25381, Start Num: 61

Candidate Starts for JoshKayV_33:

(Start: 61 @23180 has 29 MA's), (69, 23201), (98, 23291), (101, 23300), (127, 23390), (174, 23528), (179, 23552), (199, 23606), (Start: 298 @23717 has 65 MA's), (307, 23741), (341, 23852), (355, 23894), (468, 24206), (470, 24224), (477, 24248), (493, 24356), (512, 24449), (520, 24488), (549, 24578), (578, 24695), (579, 24701), (587, 24740), (591, 24761), (632, 24950), (640, 24977), (649, 25022), (716, 25190), (726, 25211), (742, 25250), (758, 25304), (778, 25373),

Gene: Jubie_21 Start: 19725, Stop: 22238, Start Num: 14

Candidate Starts for Jubie_21:

(Start: 14 @19725 has 19 MA's), (29, 19788), (53, 19860), (85, 19950), (87, 19956), (107, 20028), (149, 20115), (182, 20220), (187, 20232), (193, 20250), (206, 20289), (217, 20319), (239, 20376), (253, 20406), (258, 20412), (284, 20466), (289, 20472), (343, 20619), (344, 20622), (347, 20631), (353, 20649), (371, 20709), (375, 20718), (378, 20730), (390, 20781), (392, 20784), (440, 20949), (455, 21006), (472, 21090), (477, 21108), (479, 21117), (487, 21180), (509, 21300), (516, 21324), (519, 21345), (523, 21360), (527, 21378), (540, 21408), (562, 21498), (582, 21567), (587, 21600), (591, 21621), (599, 21657), (607, 21693), (617, 21738), (623, 21762), (624, 21768), (628, 21783), (631, 21801), (650, 21888), (656, 21912), (664, 21948), (666, 21954), (678, 21978), (715, 22053), (716, 22056), (752, 22143), (755, 22152), (760, 22158),

Gene: KADY_34 Start: 23364, Stop: 25115, Start Num: 298

Candidate Starts for KADY_34:

(Start: 298 @23364 has 65 MA's), (341, 23499), (363, 23565), (376, 23610), (385, 23646), (422, 23757), (427, 23778), (436, 23814), (444, 23835), (468, 23952), (492, 24090), (509, 24186), (510, 24189), (525, 24258), (537, 24282), (551, 24327), (561, 24375), (579, 24441), (614, 24612), (616, 24618), (629, 24669), (639, 24714), (647, 24744), (658, 24792), (670, 24834), (677, 24849), (678, 24852), (687, 24876), (741, 24978), (742, 24981), (747, 25005),

Gene: KFPoly_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for KFPoly_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (556, 24043), (557, 24052), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Kachowdy_31 Start: 22892, Stop: 24751, Start Num: 228

Candidate Starts for Kachowdy_31:

(Start: 228 @22892 has 32 MA's), (299, 23018), (302, 23027), (328, 23093), (334, 23114), (349, 23156), (400, 23312), (417, 23360), (435, 23429), (436, 23435), (445, 23465), (468, 23573), (470, 23591), (477, 23615), (520, 23855), (549, 23945), (578, 24062), (599, 24167), (613, 24233), (619, 24248), (656, 24419), (695, 24524), (725, 24578), (742, 24617), (758, 24671), (767, 24698), (773, 24722),

Gene: Kalb97_34 Start: 23360, Stop: 25168, Start Num: 50

Candidate Starts for Kalb97_34:

(Start: 50 @23360 has 18 MA's), (98, 23495), (116, 23561), (131, 23606), (143, 23642), (174, 23732), (179, 23756), (282, 23801), (307, 23831), (468, 23999), (470, 24017), (477, 24041), (503, 24203), (512, 24242), (520, 24281), (549, 24371), (587, 24533), (591, 24554), (610, 24641), (624, 24698), (628, 24713), (641, 24776), (658, 24851), (660, 24872), (703, 24965), (722, 25004), (729, 25013), (740, 25046), (773, 25145),

Gene: Kalnoky_34 Start: 23361, Stop: 25169, Start Num: 50

Candidate Starts for Kalnoky_34:

(Start: 50 @23361 has 18 MA's), (98, 23496), (116, 23562), (131, 23607), (132, 23610), (169, 23715), (179, 23757), (282, 23802), (307, 23832), (463, 23973), (468, 24000), (470, 24018), (477, 24042), (503, 24204), (512, 24243), (520, 24282), (549, 24372), (587, 24534), (591, 24555), (610, 24642), (624, 24699), (628, 24714), (641, 24777), (658, 24852), (660, 24873), (703, 24966), (722, 25005), (740, 25047), (773, 25146),

Gene: Kalpine_34 Start: 24570, Stop: 26348, Start Num: 58

Candidate Starts for Kalpine_34:

(Start: 58 @24570 has 2 MA's), (98, 24684), (101, 24693), (143, 24825), (449, 25092), (468, 25182), (470, 25200), (512, 25425), (520, 25464), (523, 25476), (549, 25554), (561, 25611), (576, 25665), (590, 25734), (617, 25851), (628, 25896), (640, 25953), (658, 26031), (660, 26052), (669, 26073), (703, 26145), (740, 26226), (747, 26256), (758, 26286), (774, 26331),

Gene: Kampy_31 Start: 22958, Stop: 24814, Start Num: 205

Candidate Starts for Kampy_31:

(Start: 205 @22958 has 143 MA's), (262, 23084), (279, 23108), (331, 23213), (332, 23219), (349, 23267), (352, 23276), (369, 23318), (385, 23363), (387, 23369), (427, 23474), (431, 23486), (455, 23564), (469, 23633), (510, 23861), (517, 23885), (518, 23888), (522, 23915), (523, 23918), (552, 24023), (557, 24053), (560, 24068), (585, 24158), (594, 24197), (599, 24224), (602, 24242), (624, 24341), (665, 24527), (687, 24578), (713, 24632), (741, 24695), (744, 24704), (773, 24791),

Gene: Katalie136_31 Start: 22972, Stop: 24831, Start Num: 205

Candidate Starts for Katalie136_31:

(181, 22912), (Start: 205 @22972 has 143 MA's), (230, 23038), (251, 23083), (Start: 254 @23089 has 1 MA's), (279, 23122), (296, 23140), (315, 23185), (317, 23191), (319, 23197), (352, 23290), (360, 23305), (385, 23377), (408, 23437), (427, 23488), (431, 23500), (455, 23578), (469, 23647), (489, 23770), (494, 23794), (510, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (557, 24070), (567, 24112), (575, 24139), (585, 24175), (590, 24202), (594, 24214), (627, 24370), (665, 24544), (670, 24550), (687, 24595), (712, 24646), (713, 24649), (731, 24685), (744, 24721),

Gene: KekoraPapaka_30 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for KekoraPapaka_30:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Keshu_26 Start: 21307, Stop: 23655, Start Num: 20

Candidate Starts for Keshu_26:

(Start: 20 @21307 has 36 MA's), (32, 21334), (38, 21367), (59, 21412), (179, 21676), (182, 21682), (187, 21694), (249, 21856), (315, 21976), (319, 21988), (336, 22042), (341, 22057), (343, 22063), (358, 22108), (363, 22123), (378, 22150), (382, 22165), (420, 22282), (431, 22330), (432, 22339), (443, 22372), (446, 22384), (454, 22417), (455, 22420), (459, 22444), (468, 22486), (471, 22507), (477, 22528), (479, 22537), (509, 22723), (525, 22792), (549, 22852), (558, 22900), (582, 22981), (587, 23014), (613, 23143), (619, 23158), (629, 23203), (630, 23212), (636, 23233), (646, 23278), (647, 23284), (653, 23311), (658, 23332), (670, 23374), (687, 23416), (702, 23446), (747, 23545), (748, 23551), (763, 23587),

Gene: Keziacharles14_31 Start: 22419, Stop: 24875, Start Num: 19

Candidate Starts for Keziacharles14_31:

(Start: 19 @22419 has 3 MA's), (55, 22524), (115, 22692), (217, 22947), (237, 23004), (292, 23106), (308, 23148), (371, 23337), (373, 23340), (377, 23355), (387, 23394), (398, 23439), (411, 23475), (468, 23700), (470, 23718), (511, 23940), (514, 23946), (519, 23979), (549, 24081), (578, 24198), (587, 24243), (599, 24303), (612, 24369), (618, 24384), (620, 24387), (624, 24408), (628, 24423), (629, 24429), (662, 24588), (692, 24648), (760, 24795),

Gene: KilKor_21 Start: 18926, Stop: 21559, Start Num: 9

Candidate Starts for KilKor_21:

(Start: 9 @18926 has 17 MA's), (10, 18935), (42, 19079), (135, 19352), (138, 19364), (147, 19385), (155, 19409), (177, 19484), (202, 19556), (214, 19586), (226, 19622), (250, 19685), (259, 19700), (274, 19727), (279, 19733), (318, 19808), (326, 19832), (327, 19838), (331, 19850), (343, 19892), (345, 19898), (374, 19985), (380, 20006), (385, 20030), (404, 20096), (413, 20117), (419, 20135), (427, 20168), (433, 20192), (434, 20195), (447, 20246), (469, 20351), (479, 20393), (505, 20558), (522, 20654), (545, 20732), (547, 20744), (569, 20834), (585, 20894), (587, 20903), (597, 20951), (599, 20960), (624, 21077), (632, 21122), (643, 21164), (658, 21230), (661, 21254), (682, 21302), (685, 21308), (690, 21314), (738, 21413), (741, 21422), (748, 21452), (774, 21542), (777, 21551),

Gene: KingCyrus_33 Start: 23177, Stop: 25654, Start Num: 20

Candidate Starts for KingCyrus_33:

(Start: 20 @23177 has 36 MA's), (30, 23198), (59, 23288), (63, 23297), (92, 23387), (105, 23435), (157, 23567), (232, 23786), (245, 23813), (268, 23855), (302, 23930), (349, 24071), (354, 24086), (370, 24137), (371, 24143), (398, 24245), (421, 24287), (464, 24455), (471, 24497), (477, 24518), (494, 24629), (495, 24632), (506, 24689), (519, 24755), (520, 24758), (523, 24770), (535, 24812), (539, 24821), (549, 24854), (561, 24911), (591, 25037), (598, 25073), (599, 25076), (632, 25226), (636, 25232), (648, 25286), (649, 25298), (652, 25307), (656, 25328), (673, 25382), (731, 25496), (742, 25523), (743, 25526), (761, 25580), (767, 25607),

Gene: Kingmustik0402_31 Start: 22952, Stop: 24808, Start Num: 205

Candidate Starts for Kingmustik0402_31:

(Start: 205 @22952 has 143 MA's), (262, 23078), (279, 23102), (331, 23207), (332, 23213), (349, 23261), (352, 23270), (369, 23312), (385, 23357), (387, 23363), (427, 23468), (431, 23480), (455, 23558), (469, 23627), (510, 23855), (517, 23879), (518, 23882), (522, 23909), (523, 23912), (552, 24017), (557, 24047), (560, 24062), (585, 24152), (594, 24191), (602, 24236), (639, 24404), (665, 24521), (670, 24527), (687, 24572), (712, 24623), (713, 24626), (741, 24689), (744, 24698), (773, 24785),

Gene: Kingsolomon_21 Start: 19724, Stop: 22237, Start Num: 14

Candidate Starts for Kingsolomon_21:

(Start: 14 @19724 has 19 MA's), (29, 19787), (53, 19859), (85, 19949), (87, 19955), (107, 20027), (149, 20114), (182, 20219), (187, 20231), (193, 20249), (206, 20288), (217, 20318), (239, 20375), (253, 20405), (258, 20411), (284, 20465), (289, 20471), (343, 20618), (344, 20621), (347, 20630), (353, 20648), (371, 20708), (375, 20717), (378, 20729), (390, 20780), (392, 20783), (440, 20948), (455, 21005), (472, 21089), (477, 21107), (479, 21116), (487, 21179), (509, 21299), (516, 21323), (519, 21344), (523, 21359), (527, 21377), (540, 21407), (562, 21497), (582, 21566), (587, 21599), (591, 21620), (599, 21656), (607, 21692), (617, 21737), (623, 21761), (624, 21767), (628, 21782), (631, 21800), (650, 21887), (656, 21911), (664, 21947), (666, 21953), (678, 21977), (715, 22052), (716, 22055), (752, 22142), (755, 22151), (760, 22157),

Gene: KirDoubleO7_19 Start: 19718, Stop: 22231, Start Num: 14

Candidate Starts for KirDoubleO7_19:

(Start: 14 @19718 has 19 MA's), (29, 19781), (53, 19853), (87, 19949), (107, 20021), (149, 20108), (182, 20213), (193, 20243), (206, 20282), (217, 20312), (239, 20369), (253, 20399), (258, 20405), (284, 20459), (289, 20465), (343, 20612), (344, 20615), (347, 20624), (353, 20642), (371, 20702), (378, 20723), (390, 20774), (392, 20777), (399, 20804), (440, 20942), (455, 20999), (472, 21083), (477, 21101), (479, 21110), (487, 21173), (498, 21239), (509, 21293), (519, 21338), (523, 21353), (540, 21401), (562, 21491), (566, 21509), (579, 21554), (582, 21560), (587, 21593), (590, 21611), (599, 21650), (607, 21686), (617, 21731), (623, 21755), (628, 21776), (631, 21794), (638, 21827), (656, 21905), (664, 21941), (678, 21971), (715, 22046), (732, 22082), (755, 22145), (760, 22151),

Gene: KittenMittens_31 Start: 21406, Stop: 23688, Start Num: 54

Candidate Starts for KittenMittens_31:

(Start: 54 @21406 has 25 MA's), (67, 21439), (94, 21523), (113, 21589), (197, 21835), (199, 21844), (Start: 227 @21928 has 1 MA's), (260, 22003), (Start: 298 @22081 has 65 MA's), (325, 22156), (351, 22246), (362, 22279), (434, 22372), (468, 22519), (470, 22537), (477, 22561), (512, 22762), (520, 22801), (549, 22891), (561, 22948), (591, 23074), (594, 23083), (597, 23101), (599, 23113), (624, 23218), (628, 23233), (629, 23239), (636, 23272), (658, 23371), (660, 23392), (661, 23395), (687, 23452), (694, 23470), (695, 23473), (703, 23485), (722, 23524), (740, 23566), (741, 23569), (774, 23671),

Gene: Knocker_32 Start: 31412, Stop: 33868, Start Num: 27

Candidate Starts for Knocker_32:

(Start: 27 @31412 has 6 MA's), (29, 31421), (48, 31490), (65, 31526), (99, 31628), (132, 31715), (139, 31736), (151, 31763), (153, 31772), (170, 31823), (171, 31826), (174, 31838), (176, 31847), (269, 32075), (280, 32105), (285, 32111), (302, 32144), (331, 32210), (339, 32237), (347, 32264), (349, 32270), (358, 32297), (401, 32432), (407, 32450), (418, 32480), (427, 32519), (434, 32546), (449, 32603), (450, 32606), (468, 32693), (470, 32711), (477, 32735), (479, 32744), (506, 32906), (507, 32909), (519, 32972), (520, 32975), (523, 32987), (532, 33017), (539, 33032), (544, 33053), (549, 33065), (561, 33122), (565, 33140), (582, 33194), (586, 33224), (587, 33227), (590, 33245), (591, 33248), (596, 33269), (601, 33302), (605, 33317), (621, 33371), (624, 33392), (625, 33395), (631, 33425), (632, 33437), (640, 33464), (641, 33467), (646, 33488), (658, 33545), (661, 33569), (694, 33641), (731, 33707), (741, 33734), (742, 33737), (744, 33743), (758, 33791), (766, 33812), (774, 33848),

Gene: Koan_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Koan_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Koreni_30 Start: 22606, Stop: 24462, Start Num: 205

Candidate Starts for Koreni_30:

(Start: 205 @22606 has 143 MA's), (262, 22732), (279, 22756), (331, 22861), (332, 22867), (349, 22915), (352, 22924), (369, 22966), (385, 23011), (387, 23017), (427, 23122), (431, 23134), (455, 23212), (469, 23281), (510, 23509), (517, 23533), (518, 23536), (522, 23563), (523, 23566), (552, 23671), (556, 23692), (557, 23701), (585, 23806), (594, 23845), (602, 23890), (637, 24052), (639, 24058), (665, 24175), (670, 24181), (687, 24226), (712, 24277), (713, 24280), (741, 24343), (744, 24352), (773, 24439),

Gene: Kratak_31 Start: 22952, Stop: 24808, Start Num: 205

Candidate Starts for Kratak_31:

(Start: 205 @22952 has 143 MA's), (262, 23078), (279, 23102), (331, 23207), (332, 23213), (349, 23261), (369, 23312), (385, 23357), (387, 23363), (427, 23468), (431, 23480), (452, 23543), (455, 23558), (469, 23627), (510, 23855), (517, 23879), (518, 23882), (522, 23909), (523, 23912), (552, 24017), (556, 24038), (557, 24047), (585, 24152), (594, 24191), (602, 24236), (624, 24335), (665, 24521), (670, 24527), (687, 24572), (712, 24623), (713, 24626), (741, 24689), (744, 24698), (773, 24785),

Gene: Kraw_28 Start: 22196, Stop: 24505, Start Num: 39

Candidate Starts for Kraw_28:

(Start: 39 @22196 has 43 MA's), (75, 22286), (81, 22307), (88, 22331), (123, 22448), (168, 22577), (185, 22637), (209, 22709), (214, 22718), (233, 22769), (236, 22775), (238, 22784), (267, 22835),

(300, 22847), (309, 22862), (312, 22868), (327, 22901), (346, 22949), (379, 23003), (404, 23075), (419, 23114), (424, 23126), (431, 23141), (447, 23186), (463, 23255), (480, 23336), (503, 23489), (513, 23531), (538, 23660), (549, 23705), (562, 23771), (565, 23786), (591, 23882), (624, 24035), (628, 24050), (629, 24056), (632, 24080), (633, 24086), (635, 24092), (636, 24095), (640, 24119), (643, 24131), (662, 24227), (689, 24278), (691, 24281), (722, 24350), (740, 24386), (748, 24419), (772, 24482), (777, 24497),

Gene: Kremtemulon_31 Start: 23008, Stop: 24867, Start Num: 205

Candidate Starts for Kremtemulon_31:

(Start: 205 @23008 has 143 MA's), (262, 23134), (279, 23158), (331, 23263), (332, 23269), (349, 23317), (352, 23326), (369, 23368), (387, 23419), (427, 23524), (431, 23536), (455, 23614), (469, 23683), (510, 23911), (518, 23938), (522, 23965), (523, 23968), (552, 24073), (557, 24103), (560, 24118), (585, 24208), (594, 24247), (599, 24274), (602, 24292), (670, 24583), (703, 24661), (707, 24673), (712, 24679), (731, 24718), (741, 24745), (743, 24751), (773, 24844),

Gene: Kristoff_34 Start: 23647, Stop: 25482, Start Num: 54

Candidate Starts for Kristoff_34:

(Start: 54 @23647 has 25 MA's), (67, 23680), (124, 23857), (187, 24049), (191, 24055), (197, 24076), (204, 24103), (462, 24283), (468, 24316), (470, 24334), (477, 24358), (493, 24466), (520, 24598), (539, 24655), (549, 24688), (561, 24745), (576, 24799), (581, 24814), (590, 24868), (613, 24976), (619, 24991), (624, 25015), (628, 25030), (654, 25147), (658, 25165), (660, 25186), (661, 25189), (694, 25264), (703, 25279), (740, 25360), (747, 25390), (758, 25420), (774, 25465), (775, 25468),

Gene: Krueger_26 Start: 20014, Stop: 22350, Start Num: 20

Candidate Starts for Krueger_26:

(16, 19981), (Start: 20 @20014 has 36 MA's), (26, 20023), (36, 20071), (38, 20074), (88, 20203), (138, 20254), (174, 20350), (176, 20359), (207, 20449), (221, 20488), (249, 20560), (253, 20569), (307, 20662), (336, 20743), (345, 20773), (358, 20812), (363, 20827), (378, 20851), (395, 20911), (410, 20956), (420, 20983), (428, 21022), (432, 21040), (435, 21049), (454, 21118), (455, 21121), (458, 21139), (468, 21181), (471, 21202), (475, 21217), (479, 21232), (491, 21319), (508, 21412), (509, 21415), (525, 21487), (544, 21535), (563, 21616), (570, 21640), (578, 21664), (579, 21670), (587, 21709), (629, 21898), (646, 21973), (658, 22027), (687, 22111), (694, 22129), (742, 22216), (747, 22240), (763, 22282), (777, 22342),

Gene: Krypton555_21 Start: 19647, Stop: 22160, Start Num: 14

Candidate Starts for Krypton555_21:

(Start: 14 @19647 has 19 MA's), (29, 19710), (53, 19782), (115, 19980), (176, 20124), (182, 20142), (187, 20154), (193, 20172), (206, 20211), (211, 20226), (217, 20241), (239, 20298), (253, 20328), (258, 20334), (284, 20388), (289, 20394), (313, 20451), (343, 20541), (344, 20544), (347, 20553), (353, 20571), (371, 20631), (390, 20703), (392, 20706), (433, 20850), (440, 20871), (455, 20928), (472, 21012), (477, 21030), (479, 21039), (509, 21222), (519, 21267), (523, 21282), (527, 21300), (540, 21330), (556, 21390), (562, 21420), (582, 21489), (587, 21522), (591, 21543), (599, 21579), (605, 21609), (623, 21684), (624, 21690), (628, 21705), (631, 21723), (638, 21756), (649, 21807), (650, 21810), (657, 21837), (664, 21870), (678, 21900), (715, 21975), (732, 22011), (755, 22074), (760, 22080), (777, 22152),

Gene: Kyee_31 Start: 22958, Stop: 24814, Start Num: 205

Candidate Starts for Kyee_31:

(Start: 205 @22958 has 143 MA's), (262, 23084), (279, 23108), (331, 23213), (332, 23219), (349, 23267), (352, 23276), (369, 23318), (385, 23363), (387, 23369), (427, 23474), (431, 23486), (455, 23564), (469, 23633), (510, 23861), (517, 23885), (518, 23888), (522, 23915), (523, 23918), (552, 24023), (556, 24044), (557, 24053), (585, 24158), (594, 24197), (602, 24242), (639, 24410), (665, 24527), (670, 24533), (687, 24578), (712, 24629), (713, 24632), (741, 24695), (744, 24704), (773,

24791),

Gene: LBerry_33 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for LBerry_33:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: LHTSCC_32 Start: 23274, Stop: 25130, Start Num: 205

Candidate Starts for LHTSCC_32:

(Start: 205 @23274 has 143 MA's), (262, 23400), (279, 23424), (331, 23529), (332, 23535), (349, 23583), (369, 23634), (387, 23685), (427, 23790), (431, 23802), (455, 23880), (469, 23949), (498, 24117), (505, 24147), (510, 24177), (517, 24201), (518, 24204), (522, 24231), (523, 24234), (552, 24339), (556, 24360), (557, 24369), (594, 24513), (602, 24558), (637, 24720), (665, 24843), (687, 24894), (741, 25011), (744, 25020), (773, 25107),

Gene: LadyBird_31 Start: 22727, Stop: 25135, Start Num: 60

Candidate Starts for LadyBird_31:

(Start: 60 @22727 has 32 MA's), (98, 22841), (127, 22934), (139, 22970), (191, 23120), (197, 23141), (199, 23150), (252, 23282), (Start: 298 @23372 has 65 MA's), (341, 23507), (352, 23540), (355, 23549), (383, 23648), (449, 23888), (468, 23978), (470, 23996), (477, 24020), (512, 24221), (520, 24260), (524, 24281), (539, 24317), (549, 24350), (553, 24371), (561, 24407), (576, 24461), (587, 24512), (591, 24533), (613, 24638), (619, 24653), (658, 24821), (669, 24863), (704, 24932), (771, 25103), (773, 25112), (774, 25118),

Gene: Lambert1_32 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for Lambert1_32:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (445, 23946), (450, 23967), (468, 24054), (477, 24096), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: Landor_33 Start: 24870, Stop: 26645, Start Num: 54

Candidate Starts for Landor_33:

(37, 24831), (Start: 54 @24870 has 25 MA's), (98, 24981), (101, 24990), (119, 25047), (127, 25074), (161, 25167), (275, 25260), (282, 25281), (307, 25311), (311, 25323), (462, 25446), (468, 25479), (470, 25497), (477, 25521), (495, 25635), (503, 25683), (512, 25722), (520, 25761), (523, 25773), (539, 25818), (587, 26013), (591, 26034), (611, 26127), (628, 26193), (644, 26265), (658, 26328), (694, 26427), (703, 26442), (740, 26523), (758, 26583), (774, 26628),

Gene: LappelDuVide_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for LappelDuVide_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Larenn_32 Start: 23024, Stop: 25237, Start Num: 60

Candidate Starts for Larenn_32:

(Start: 60 @23024 has 32 MA's), (98, 23138), (103, 23153), (132, 23252), (160, 23327), (174, 23375), (176, 23387), (Start: 298 @23564 has 65 MA's), (313, 23603), (341, 23699), (352, 23732), (355, 23741), (374, 23801), (389, 23867), (468, 24053), (473, 24083), (477, 24095), (506, 24266), (520, 24335), (549, 24434), (576, 24545), (578, 24551), (579, 24557), (587, 24596), (591, 24617), (598, 24653), (599, 24656), (613, 24722), (640, 24833), (661, 24938), (688, 24992), (744, 25112), (758, 25160), (767, 25184),

Gene: LarryKay_33 Start: 23366, Stop: 25117, Start Num: 298

Candidate Starts for LarryKay_33:

(Start: 298 @23366 has 65 MA's), (341, 23501), (363, 23567), (376, 23612), (385, 23648), (422, 23759), (427, 23780), (436, 23816), (444, 23837), (468, 23954), (492, 24092), (509, 24188), (510, 24191), (525, 24260), (537, 24284), (551, 24329), (561, 24377), (579, 24443), (614, 24614), (616, 24620), (629, 24671), (639, 24716), (647, 24746), (658, 24794), (670, 24836), (677, 24851), (678, 24854), (687, 24878), (741, 24980), (742, 24983), (747, 25007),

Gene: LastHope_27 Start: 20175, Stop: 22487, Start Num: 39

Candidate Starts for LastHope_27:

(Start: 39 @20175 has 43 MA's), (95, 20325), (103, 20346), (117, 20403), (121, 20415), (141, 20469), (158, 20514), (171, 20556), (174, 20568), (190, 20613), (226, 20724), (236, 20745), (259, 20796), (297, 20811), (306, 20826), (343, 20907), (359, 20937), (379, 20976), (386, 20991), (403, 21051), (441, 21135), (456, 21207), (510, 21510), (513, 21516), (521, 21570), (522, 21573), (524, 21585), (528, 21612), (533, 21630), (536, 21636), (562, 21753), (565, 21768), (624, 22017), (628, 22032), (632, 22062), (640, 22101), (643, 22113), (662, 22209), (679, 22239), (697, 22281), (708, 22302), (731, 22344), (740, 22368), (741, 22371), (747, 22395), (748, 22401), (772, 22464), (777, 22479),

Gene: Lavahound_25 Start: 20978, Stop: 23365, Start Num: 39

Candidate Starts for Lavahound_25:

(Start: 39 @20978 has 43 MA's), (52, 21008), (59, 21026), (90, 21110), (145, 21284), (190, 21416), (218, 21506), (236, 21548), (259, 21599), (293, 21641), (295, 21644), (318, 21701), (326, 21725), (327, 21731), (339, 21770), (360, 21827), (389, 21923), (438, 22040), (455, 22109), (464, 22148), (466, 22157), (469, 22178), (479, 22220), (521, 22457), (522, 22460), (523, 22463), (530, 22502), (549, 22556), (590, 22730), (597, 22760), (613, 22847), (615, 22853), (639, 22955), (661, 23060), (662, 23066), (681, 23114), (731, 23207), (740, 23231), (747, 23261), (775, 23339),

Gene: Lea83_26 Start: 21295, Stop: 23643, Start Num: 20

Candidate Starts for Lea83_26:

(Start: 20 @21295 has 36 MA's), (32, 21322), (38, 21355), (59, 21400), (167, 21619), (179, 21664), (193, 21700), (199, 21718), (Start: 228 @21796 has 32 MA's), (249, 21844), (319, 21976), (336, 22030), (341, 22045), (382, 22153), (420, 22270), (429, 22312), (431, 22318), (432, 22327), (435, 22336), (446, 22381), (455, 22417), (458, 22435), (468, 22477), (471, 22498), (477, 22519), (479, 22528), (491, 22615), (508, 22708), (509, 22711), (525, 22783), (579, 22966), (590, 23023), (611, 23122), (615, 23140), (629, 23194), (636, 23224), (638, 23239), (639, 23242), (642, 23251), (646, 23269), (647, 23275), (653, 23302), (658, 23323), (663, 23353), (682, 23398), (687, 23407), (747, 23536), (763, 23575), (764, 23578),

Gene: Lebo14_28 Start: 22289, Stop: 24595, Start Num: 39

Candidate Starts for Lebo14_28:

(Start: 39 @22289 has 43 MA's), (81, 22400), (88, 22424), (123, 22541), (168, 22670), (180, 22721), (185, 22730), (Start: 198 @22763 has 11 MA's), (209, 22802), (214, 22811), (236, 22868), (238, 22877), (267, 22928), (300, 22940), (309, 22955), (312, 22961), (327, 22994), (346, 23042), (379, 23096), (404, 23168), (419, 23207), (424, 23219), (431, 23234), (447, 23279), (463, 23348), (480, 23429), (503, 23582), (522, 23681), (524, 23693), (549, 23798), (562, 23864), (564, 23876), (565, 23879), (591, 23975), (624, 24128), (628, 24143), (629, 24149), (632, 24173), (640, 24212), (662,

24320), (691, 24374), (699, 24395), (707, 24410), (741, 24479), (748, 24509), (777, 24587),

Gene: Lemur_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Lemur_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: LeoAvram_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for LeoAvram_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (624, 24340), (665, 24526), (687, 24577), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Leogania_33 Start: 24913, Stop: 26691, Start Num: 54

Candidate Starts for Leogania_33:

(Start: 54 @24913 has 25 MA's), (98, 25024), (101, 25033), (127, 25120), (Start: 298 @25336 has 65 MA's), (307, 25357), (311, 25369), (464, 25504), (468, 25525), (470, 25543), (477, 25567), (493, 25675), (520, 25807), (539, 25864), (549, 25897), (561, 25954), (613, 26185), (624, 26224), (628, 26239), (658, 26374), (661, 26398), (662, 26404), (694, 26473), (703, 26488), (722, 26527), (729, 26536), (740, 26569), (774, 26674), (777, 26683),

Gene: Leviathan_33 Start: 23260, Stop: 25464, Start Num: 60

Candidate Starts for Leviathan_33:

(Start: 60 @23260 has 32 MA's), (98, 23374), (101, 23383), (103, 23389), (127, 23473), (174, 23611), (179, 23635), (199, 23689), (Start: 298 @23800 has 65 MA's), (341, 23935), (355, 23977), (377, 24049), (464, 24268), (468, 24289), (470, 24307), (477, 24331), (493, 24439), (512, 24532), (520, 24571), (549, 24661), (561, 24718), (562, 24721), (578, 24778), (579, 24784), (587, 24823), (591, 24844), (632, 25033), (638, 25054), (661, 25165), (732, 25303), (750, 25369), (758, 25387), (778, 25456),

Gene: LilPharaoh_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for LilPharaoh_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: LilTurb_33 Start: 23263, Stop: 25467, Start Num: 60

Candidate Starts for LilTurb_33:

(Start: 60 @23263 has 32 MA's), (98, 23377), (101, 23386), (110, 23419), (127, 23476), (174, 23614), (Start: 298 @23803 has 65 MA's), (341, 23938), (355, 23980), (377, 24052), (468, 24292), (470, 24310), (477, 24334), (493, 24442), (512, 24535), (520, 24574), (549, 24664), (561, 24721), (562, 24724), (578, 24781), (579, 24787), (587, 24826), (591, 24847), (632, 25036), (640, 25063), (684,

25216), (694, 25240), (724, 25294), (726, 25297), (742, 25336), (744, 25342), (758, 25390),

Gene: Lilit_33 Start: 23270, Stop: 25027, Start Num: 298

Candidate Starts for Lilit_33:

(Start: 298 @23270 has 65 MA's), (341, 23405), (363, 23471), (376, 23516), (385, 23552), (427, 23684), (436, 23720), (444, 23741), (455, 23798), (468, 23858), (480, 23912), (487, 23972), (509, 24092), (510, 24095), (525, 24164), (537, 24188), (561, 24281), (566, 24302), (579, 24347), (651, 24677), (670, 24746), (695, 24809), (770, 24980),

Gene: Lilleskat_31 Start: 24377, Stop: 26143, Start Num: 56

Candidate Starts for Lilleskat_31:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774, 26126),

Gene: LionsBait_32 Start: 24478, Stop: 26265, Start Num: 60

Candidate Starts for LionsBait_32:

(Start: 60 @24478 has 32 MA's), (69, 24502), (98, 24592), (101, 24601), (110, 24634), (127, 24691), (161, 24784), (464, 25075), (468, 25096), (470, 25114), (477, 25138), (512, 25339), (520, 25378), (549, 25468), (561, 25525), (591, 25651), (613, 25756), (628, 25810), (658, 25948), (661, 25972), (703, 26062), (722, 26101), (736, 26125), (740, 26143), (774, 26248),

Gene: LittleB_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for LittleB_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: LittleGuy_31 Start: 22903, Stop: 24762, Start Num: 205

Candidate Starts for LittleGuy_31:

(Start: 205 @22903 has 143 MA's), (262, 23029), (279, 23053), (331, 23158), (332, 23164), (349, 23212), (352, 23221), (369, 23263), (385, 23308), (387, 23314), (427, 23419), (431, 23431), (455, 23509), (469, 23578), (522, 23860), (523, 23863), (552, 23968), (557, 23998), (585, 24103), (594, 24142), (599, 24169), (602, 24187), (670, 24478), (703, 24556), (707, 24568), (712, 24574), (731, 24613), (741, 24640), (743, 24646), (744, 24649), (773, 24739),

Gene: LiyuLake_21 Start: 19709, Stop: 22219, Start Num: 14

Candidate Starts for LiyuLake_21:

(Start: 14 @19709 has 19 MA's), (29, 19772), (71, 19892), (139, 20078), (182, 20204), (187, 20216), (193, 20234), (206, 20273), (217, 20303), (253, 20390), (284, 20450), (289, 20456), (342, 20597), (344, 20603), (347, 20612), (353, 20630), (371, 20690), (378, 20711), (390, 20762), (392, 20765), (415, 20834), (455, 20987), (472, 21071), (477, 21089), (479, 21098), (496, 21209), (498, 21227), (509, 21281), (519, 21326), (523, 21341), (540, 21389), (562, 21479), (566, 21497), (582, 21548), (587, 21581), (590, 21599), (591, 21602), (599, 21638), (605, 21668), (607, 21674), (617, 21719), (623, 21743), (624, 21749), (628, 21764), (631, 21782), (638, 21815), (639, 21818), (650, 21869), (666, 21935), (678, 21959), (715, 22034), (732, 22070), (760, 22139),

Gene: LochMonster_31 Start: 22932, Stop: 24788, Start Num: 205

Candidate Starts for LochMonster_31:

(Start: 205 @22932 has 143 MA's), (262, 23058), (279, 23082), (331, 23187), (332, 23193), (349, 23241), (352, 23250), (369, 23292), (385, 23337), (387, 23343), (427, 23448), (431, 23460), (452, 23523), (455, 23538), (469, 23607), (498, 23775), (510, 23835), (518, 23862), (522, 23889), (523, 23892), (552, 23997), (556, 24018), (557, 24027), (585, 24132), (602, 24216), (624, 24315), (665, 24501), (670, 24507), (687, 24552), (712, 24603), (713, 24606), (741, 24669), (744, 24678), (773, 24765),

Gene: Loko_34 Start: 24358, Stop: 26142, Start Num: 60

Candidate Starts for Loko_34:

(Start: 60 @24358 has 32 MA's), (69, 24382), (98, 24472), (101, 24481), (116, 24538), (449, 24886), (450, 24889), (468, 24976), (470, 24994), (477, 25018), (493, 25126), (512, 25219), (520, 25258), (549, 25348), (562, 25408), (576, 25459), (587, 25510), (591, 25531), (600, 25576), (624, 25675), (628, 25690), (631, 25708), (660, 25846), (669, 25867), (703, 25939), (715, 25957), (722, 25978), (735, 25999), (740, 26020), (758, 26080), (774, 26125),

Gene: Lolly9_21 Start: 19528, Stop: 22035, Start Num: 14

Candidate Starts for Lolly9_21:

(Start: 14 @19528 has 19 MA's), (29, 19591), (53, 19663), (71, 19711), (139, 19897), (182, 20023), (193, 20053), (206, 20092), (217, 20122), (253, 20209), (269, 20236), (284, 20269), (289, 20275), (313, 20326), (342, 20413), (344, 20419), (347, 20428), (353, 20446), (371, 20506), (378, 20527), (390, 20578), (392, 20581), (415, 20650), (455, 20803), (472, 20887), (477, 20905), (479, 20914), (509, 21097), (516, 21121), (519, 21142), (523, 21157), (540, 21205), (562, 21295), (563, 21304), (587, 21397), (590, 21415), (591, 21418), (607, 21490), (623, 21559), (624, 21565), (628, 21580), (631, 21598), (638, 21631), (639, 21634), (650, 21685), (656, 21709), (666, 21751), (678, 21775), (715, 21850), (716, 21853), (760, 21955),

Gene: LoneWolf_32 Start: 23970, Stop: 25736, Start Num: 56

Candidate Starts for LoneWolf_32:

(Start: 56 @23970 has 26 MA's), (116, 24156), (134, 24204), (150, 24246), (169, 24291), (172, 24300), (179, 24324), (282, 24369), (Start: 298 @24378 has 65 MA's), (308, 24402), (322, 24438), (468, 24567), (470, 24585), (478, 24615), (481, 24624), (507, 24783), (512, 24810), (520, 24849), (549, 24939), (561, 24996), (579, 25062), (590, 25119), (619, 25242), (628, 25281), (658, 25419), (660, 25440), (661, 25443), (687, 25500), (703, 25533), (747, 25644), (774, 25719),

Gene: LongHai_25 Start: 19700, Stop: 22018, Start Num: 79

Candidate Starts for LongHai_25:

(Start: 79 @19700 has 2 MA's), (139, 19901), (156, 19946), (161, 19958), (196, 20069), (219, 20135), (273, 20249), (292, 20276), (369, 20498), (375, 20516), (384, 20552), (403, 20612), (427, 20687), (442, 20714), (447, 20741), (455, 20777), (467, 20834), (501, 21029), (518, 21098), (520, 21116), (521, 21122), (522, 21125), (523, 21128), (555, 21245), (556, 21251), (575, 21329), (588, 21377), (589, 21380), (604, 21458), (613, 21509), (619, 21524), (622, 21536), (636, 21599), (640, 21620), (645, 21641), (658, 21698), (660, 21719), (678, 21758), (694, 21800), (711, 21833), (713, 21839), (720, 21854), (751, 21938),

Gene: Lorenzo_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Lorenzo_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Loser_35 Start: 25033, Stop: 26811, Start Num: 61

Candidate Starts for Loser_35:

(Start: 61 @25033 has 29 MA's), (98, 25144), (101, 25153), (111, 25186), (127, 25240), (139, 25276), (143, 25288), (150, 25300), (282, 25447), (Start: 298 @25456 has 65 MA's), (307, 25477), (311, 25489), (449, 25555), (464, 25624), (468, 25645), (470, 25663), (477, 25687), (492, 25786), (493, 25795), (520, 25927), (539, 25984), (549, 26017), (561, 26074), (576, 26128), (590, 26197), (619, 26320), (628, 26359), (639, 26413), (658, 26494), (660, 26515), (669, 26536), (703, 26608), (740, 26689),

Gene: Louie6_33 Start: 23364, Stop: 25115, Start Num: 298

Candidate Starts for Louie6_33:

(Start: 298 @23364 has 65 MA's), (341, 23499), (363, 23565), (376, 23610), (385, 23646), (422, 23757), (427, 23778), (436, 23814), (444, 23835), (468, 23952), (492, 24090), (509, 24186), (510, 24189), (525, 24258), (537, 24282), (551, 24327), (561, 24375), (579, 24441), (614, 24612), (616, 24618), (629, 24669), (639, 24714), (647, 24744), (658, 24792), (670, 24834), (677, 24849), (678, 24852), (687, 24876), (741, 24978), (742, 24981), (747, 25005),

Gene: Lowa_33 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for Lowa_33:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: Luchador_33 Start: 23273, Stop: 25723, Start Num: 19

Candidate Starts for Luchador_33:

(Start: 19 @23273 has 3 MA's), (Start: 22 @23279 has 2 MA's), (96, 23489), (115, 23546), (134, 23567), (217, 23798), (268, 23909), (335, 24083), (349, 24125), (370, 24182), (371, 24188), (377, 24206), (382, 24227), (383, 24233), (387, 24245), (464, 24524), (477, 24587), (495, 24701), (506, 24758), (519, 24824), (520, 24827), (523, 24839), (535, 24881), (549, 24923), (587, 25085), (591, 25106), (599, 25145), (625, 25253), (632, 25295), (638, 25316), (648, 25355), (656, 25397), (680, 25466), (731, 25565), (742, 25592), (743, 25595), (761, 25649), (767, 25676),

Gene: Lucivia_31 Start: 23446, Stop: 25437, Start Num: 198

Candidate Starts for Lucivia_31:

(Start: 198 @23446 has 11 MA's), (238, 23557), (244, 23566), (271, 23623), (281, 23638), (294, 23656), (300, 23668), (325, 23716), (329, 23734), (333, 23737), (372, 23857), (404, 23971), (413, 23992), (419, 24010), (427, 24043), (469, 24226), (476, 24256), (477, 24259), (505, 24433), (507, 24439), (510, 24463), (513, 24469), (525, 24544), (545, 24607), (555, 24649), (556, 24655), (587, 24778), (597, 24826), (599, 24835), (624, 24952), (625, 24955), (632, 24997), (643, 25039), (650, 25075), (661, 25129), (682, 25180), (685, 25186), (690, 25192), (708, 25234), (747, 25324), (765, 25381), (774, 25420), (777, 25429),

Gene: LugYA_35 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for LugYA_35:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: Lumos_21 Start: 19721, Stop: 22234, Start Num: 14

Candidate Starts for Lumos_21:

(Start: 14 @19721 has 19 MA's), (29, 19784), (53, 19856), (85, 19946), (87, 19952), (107, 20024), (149, 20111), (182, 20216), (187, 20228), (193, 20246), (206, 20285), (217, 20315), (239, 20372), (253, 20402), (258, 20408), (284, 20462), (289, 20468), (343, 20615), (344, 20618), (347, 20627), (353, 20645), (371, 20705), (375, 20714), (378, 20726), (390, 20777), (392, 20780), (440, 20945), (455, 21002), (472, 21086), (477, 21104), (479, 21113), (487, 21176), (509, 21296), (516, 21320), (519, 21341), (523, 21356), (527, 21374), (540, 21404), (562, 21494), (582, 21563), (587, 21596), (591, 21617), (599, 21653), (607, 21689), (617, 21734), (623, 21758), (624, 21764), (628, 21779), (631, 21797), (650, 21884), (656, 21908), (664, 21944), (666, 21950), (678, 21974), (715, 22049), (716, 22052), (752, 22139), (755, 22148), (760, 22154),

Gene: Lunsford_32 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Lunsford_32:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: MA5_31 Start: 22455, Stop: 24314, Start Num: 228

Candidate Starts for MA5_31:

(Start: 228 @22455 has 32 MA's), (272, 22533), (305, 22599), (328, 22656), (353, 22731), (400, 22875), (407, 22896), (417, 22923), (436, 22998), (450, 23049), (468, 23136), (470, 23154), (477, 23178), (520, 23418), (549, 23508), (590, 23688), (599, 23730), (613, 23796), (619, 23811), (624, 23835), (656, 23982), (661, 24012), (725, 24141), (758, 24234), (767, 24261), (773, 24285), (774, 24291),

Gene: MK4_31 Start: 22761, Stop: 24620, Start Num: 228

Candidate Starts for MK4_31:

(Start: 228 @22761 has 32 MA's), (299, 22887), (305, 22905), (314, 22920), (328, 22962), (349, 23025), (399, 23178), (400, 23181), (407, 23202), (417, 23229), (436, 23304), (450, 23355), (468, 23442), (470, 23460), (477, 23484), (498, 23622), (520, 23724), (539, 23781), (549, 23814), (570, 23907), (578, 23931), (599, 24036), (613, 24102), (619, 24117), (656, 24288), (695, 24393), (725, 24447), (742, 24486), (758, 24540), (767, 24567), (773, 24591),

Gene: MaCh_31 Start: 23388, Stop: 25376, Start Num: 198

Candidate Starts for MaCh_31:

(Start: 198 @23388 has 11 MA's), (238, 23499), (244, 23508), (271, 23565), (281, 23580), (294, 23598), (300, 23610), (325, 23658), (329, 23676), (333, 23679), (372, 23799), (404, 23913), (413, 23934), (419, 23952), (427, 23985), (469, 24168), (476, 24198), (477, 24201), (505, 24375), (507, 24381), (510, 24405), (513, 24411), (525, 24486), (545, 24549), (555, 24591), (556, 24597), (587, 24720), (597, 24768), (599, 24777), (624, 24894), (625, 24897), (632, 24939), (643, 24981), (650, 25017), (661, 25071), (747, 25263), (765, 25320), (774, 25359), (777, 25368),

Gene: MacnCheese_27 Start: 21549, Stop: 24002, Start Num: 20

Candidate Starts for MacnCheese_27:

(Start: 20 @21549 has 36 MA's), (32, 21576), (38, 21609), (44, 21621), (80, 21714), (167, 21978), (179, 22023), (187, 22041), (193, 22059), (199, 22077), (224, 22137), (Start: 228 @22155 has 32 MA's), (245, 22191), (270, 22242), (336, 22389), (382, 22512), (420, 22629), (429, 22671), (431, 22677), (432, 22686), (440, 22710), (455, 22776), (458, 22794), (468, 22836), (471, 22857), (477, 22878), (479, 22887), (491, 22974), (508, 23067), (509, 23070), (525, 23142), (563, 23271), (566, 23280), (579, 23325), (582, 23331), (587, 23364), (590, 23382), (611, 23481), (615, 23499), (629, 23553), (638, 23598), (647, 23634), (658, 23682), (687, 23766), (747, 23895), (763, 23934),

Gene: Maco6_22 Start: 18657, Stop: 20975, Start Num: 79

Candidate Starts for Maco6_22:

(Start: 79 @18657 has 2 MA's), (139, 18858), (156, 18903), (161, 18915), (196, 19026), (219, 19092), (292, 19233), (339, 19365), (351, 19404), (357, 19416), (369, 19455), (375, 19473), (384, 19509), (403, 19569), (427, 19644), (442, 19671), (455, 19734), (467, 19791), (501, 19986), (502, 19989), (518, 20055), (520, 20073), (521, 20079), (522, 20082), (523, 20085), (556, 20208), (566, 20256), (575, 20286), (587, 20331), (589, 20337), (597, 20379), (604, 20415), (613, 20466), (619, 20481), (623, 20499), (636, 20556), (640, 20577), (645, 20598), (658, 20655), (660, 20676), (678, 20715), (694, 20757), (711, 20790), (713, 20796), (720, 20811), (751, 20895),

Gene: MadMarie_33 Start: 23279, Stop: 25036, Start Num: 298

Candidate Starts for MadMarie_33:

(Start: 298 @23279 has 65 MA's), (341, 23414), (363, 23480), (376, 23525), (385, 23561), (427, 23693), (436, 23729), (444, 23750), (455, 23807), (468, 23867), (480, 23921), (487, 23981), (509, 24101), (510, 24104), (525, 24173), (537, 24197), (561, 24290), (566, 24311), (579, 24356), (651, 24686), (670, 24755), (695, 24818), (770, 24989),

Gene: Mainiac_33 Start: 23270, Stop: 25027, Start Num: 298

Candidate Starts for Mainiac_33:

(Start: 298 @23270 has 65 MA's), (341, 23405), (363, 23471), (376, 23516), (385, 23552), (427, 23684), (436, 23720), (444, 23741), (455, 23798), (468, 23858), (480, 23912), (487, 23972), (509, 24092), (510, 24095), (525, 24164), (537, 24188), (561, 24281), (566, 24302), (579, 24347), (651, 24677), (670, 24746), (695, 24809), (770, 24980),

Gene: Malinsilva_35 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for Malinsilva_35:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: Malthus_29 Start: 22196, Stop: 24505, Start Num: 39

Candidate Starts for Malthus_29:

(Start: 39 @22196 has 43 MA's), (75, 22286), (81, 22307), (88, 22331), (123, 22448), (168, 22577), (185, 22637), (209, 22709), (214, 22718), (233, 22769), (236, 22775), (238, 22784), (267, 22835), (300, 22847), (309, 22862), (312, 22868), (327, 22901), (346, 22949), (379, 23003), (404, 23075), (419, 23114), (424, 23126), (431, 23141), (447, 23186), (463, 23255), (480, 23336), (503, 23489), (513, 23531), (538, 23660), (549, 23705), (562, 23771), (565, 23786), (591, 23882), (624, 24035), (628, 24050), (629, 24056), (632, 24080), (633, 24086), (635, 24092), (636, 24095), (640, 24119), (643, 24131), (662, 24227), (689, 24278), (691, 24281), (722, 24350), (740, 24386), (748, 24419), (769, 24473), (772, 24482), (777, 24497),

Gene: Maminiaina_32 Start: 23915, Stop: 25681, Start Num: 56

Candidate Starts for Maminiaina_32:

(Start: 56 @23915 has 26 MA's), (111, 24080), (116, 24101), (139, 24167), (143, 24179), (150, 24191), (169, 24236), (172, 24245), (174, 24254), (282, 24314), (Start: 298 @24323 has 65 MA's), (308, 24347), (322, 24383), (461, 24476), (468, 24512), (470, 24530), (512, 24755), (518, 24776), (520, 24794), (549, 24884), (561, 24941), (570, 24977), (590, 25064), (619, 25187), (624, 25211), (628, 25226), (639, 25283), (660, 25385), (661, 25388), (703, 25478), (747, 25589), (774, 25664),

Gene: Manu_34 Start: 23361, Stop: 25169, Start Num: 50

Candidate Starts for Manu_34:

(Start: 50 @23361 has 18 MA's), (98, 23496), (116, 23562), (131, 23607), (143, 23643), (174, 23733), (179, 23757), (282, 23802), (307, 23832), (468, 24000), (470, 24018), (477, 24042), (503, 24204), (512, 24243), (520, 24282), (549, 24372), (587, 24534), (591, 24555), (610, 24642), (624, 24699), (628, 24714), (641, 24777), (658, 24852), (660, 24873), (703, 24966), (722, 25005), (740, 25047), (773, 25146),

Gene: MarQuardt_33 Start: 23278, Stop: 25035, Start Num: 298

Candidate Starts for MarQuardt_33:

(Start: 298 @23278 has 65 MA's), (341, 23413), (363, 23479), (376, 23524), (385, 23560), (427, 23692), (436, 23728), (444, 23749), (455, 23806), (468, 23866), (480, 23920), (487, 23980), (509, 24100), (510, 24103), (525, 24172), (537, 24196), (561, 24289), (566, 24310), (579, 24355), (651, 24685), (670, 24754), (695, 24817), (770, 24988),

Gene: Marchesa_31 Start: 22890, Stop: 24749, Start Num: 228

Candidate Starts for Marchesa_31:

(Start: 228 @22890 has 32 MA's), (299, 23016), (302, 23025), (328, 23091), (334, 23112), (349, 23154), (400, 23310), (417, 23358), (435, 23427), (436, 23433), (445, 23463), (468, 23571), (470, 23589), (477, 23613), (520, 23853), (549, 23943), (578, 24060), (599, 24165), (613, 24231), (619, 24246), (656, 24417), (695, 24522), (725, 24576), (742, 24615), (758, 24669), (767, 24696), (773, 24720),

Gene: Marcoliusprime_23 Start: 18661, Stop: 21000, Start Num: 20

Candidate Starts for Marcoliusprime_23:

(Start: 20 @18661 has 36 MA's), (83, 18832), (88, 18850), (96, 18874), (176, 19018), (189, 19051), (237, 19180), (243, 19189), (249, 19204), (255, 19216), (263, 19225), (289, 19273), (331, 19369), (336, 19387), (343, 19408), (358, 19453), (395, 19555), (420, 19627), (429, 19669), (431, 19675), (432, 19684), (454, 19771), (458, 19792), (468, 19834), (471, 19855), (491, 19972), (493, 19981), (510, 20071), (523, 20125), (525, 20137), (534, 20161), (566, 20275), (573, 20302), (587, 20359), (599, 20416), (629, 20548), (636, 20578), (647, 20629), (650, 20647), (658, 20677), (675, 20731), (687, 20761), (695, 20782), (756, 20914),

Gene: Margo_32 Start: 23399, Stop: 25258, Start Num: 228

Candidate Starts for Margo_32:

(Start: 228 @23399 has 32 MA's), (305, 23543), (328, 23600), (334, 23621), (349, 23663), (355, 23681), (407, 23840), (417, 23867), (445, 23972), (450, 23993), (468, 24080), (477, 24122), (520, 24362), (549, 24452), (561, 24509), (599, 24674), (611, 24728), (613, 24740), (619, 24755), (648, 24884), (649, 24896), (661, 24956), (665, 24968), (690, 25013), (695, 25031), (758, 25178), (767, 25205), (774, 25235),

Gene: Marie_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for Marie_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: Marius_34 Start: 23361, Stop: 25169, Start Num: 50

Candidate Starts for Marius_34:

(Start: 50 @23361 has 18 MA's), (98, 23496), (116, 23562), (131, 23607), (143, 23643), (174, 23733), (179, 23757), (282, 23802), (307, 23832), (468, 24000), (470, 24018), (477, 24042), (503, 24204), (512, 24243), (520, 24282), (549, 24372), (587, 24534), (591, 24555), (610, 24642), (624, 24699), (628, 24714), (641, 24777), (658, 24852), (660, 24873), (703, 24966), (722, 25005), (740, 25047), (773, 25146),

Gene: Maverick_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Maverick_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Maxo_31 Start: 22958, Stop: 24814, Start Num: 205

Candidate Starts for Maxo_31:

(Start: 205 @22958 has 143 MA's), (262, 23084), (279, 23108), (331, 23213), (332, 23219), (349, 23267), (352, 23276), (369, 23318), (385, 23363), (387, 23369), (427, 23474), (431, 23486), (455, 23564), (469, 23633), (510, 23861), (517, 23885), (518, 23888), (522, 23915), (523, 23918), (552, 24023), (557, 24053), (560, 24068), (585, 24158), (594, 24197), (599, 24224), (602, 24242), (624, 24341), (665, 24527), (687, 24578), (713, 24632), (741, 24695), (744, 24704), (773, 24791),

Gene: Mayonnaise_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Mayonnaise_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Mazhar510_31 Start: 22961, Stop: 24817, Start Num: 205

Candidate Starts for Mazhar510_31:

(Start: 205 @22961 has 143 MA's), (262, 23087), (279, 23111), (331, 23216), (332, 23222), (349, 23270), (369, 23321), (385, 23366), (387, 23372), (427, 23477), (431, 23489), (455, 23567), (469, 23636), (510, 23864), (517, 23888), (518, 23891), (522, 23918), (523, 23921), (552, 24026), (556, 24047), (557, 24056), (585, 24161), (594, 24200), (602, 24245), (637, 24407), (639, 24413), (665, 24530), (670, 24536), (687, 24581), (712, 24632), (713, 24635), (741, 24698), (744, 24707), (773, 24794),

Gene: McMater_27 Start: 20230, Stop: 22731, Start Num: 39

Candidate Starts for McMater_27:

(Start: 39 @20230 has 43 MA's), (59, 20278), (80, 20329), (103, 20401), (114, 20452), (121, 20470), (133, 20503), (141, 20524), (144, 20536), (165, 20590), (190, 20668), (201, 20707), (222, 20764), (236, 20800), (259, 20851), (276, 20881), (291, 20896), (302, 20920), (319, 20953), (326, 20974), (327, 20980), (339, 21019), (385, 21172), (393, 21205), (396, 21217), (423, 21280), (447, 21364), (484, 21547), (490, 21601), (498, 21643), (538, 21835), (541, 21841), (549, 21865), (561, 21928), (571, 21967), (589, 22030), (599, 22087), (606, 22120), (609, 22138), (617, 22177), (626, 22216), (628, 22222), (638, 22279), (662, 22393), (690, 22447), (694, 22462), (708, 22492), (716, 22504), (740, 22561), (745, 22579), (754, 22609), (762, 22627), (780, 22708),

Gene: Mdavu_23 Start: 20402, Stop: 22888, Start Num: 39

Candidate Starts for Mdavu_23:

(Start: 39 @20402 has 43 MA's), (59, 20450), (117, 20630), (118, 20633), (141, 20696), (144, 20708), (190, 20840), (201, 20879), (222, 20936), (229, 20960), (236, 20972), (256, 21020), (259, 21023), (276, 21056), (302, 21095), (319, 21128), (324, 21140), (326, 21149), (327, 21155), (347, 21221), (352, 21236), (385, 21347), (393, 21380), (425, 21464), (428, 21479), (447, 21539), (463, 21608),

(485, 21728), (498, 21821), (520, 21935), (538, 22013), (541, 22019), (549, 22043), (561, 22106), (562, 22109), (564, 22121), (584, 22187), (585, 22193), (593, 22235), (597, 22256), (599, 22265), (606, 22298), (609, 22316), (624, 22385), (646, 22484), (647, 22490), (650, 22508), (660, 22562), (665, 22577), (680, 22604), (708, 22661),

Gene: Medusa_31 Start: 22961, Stop: 24817, Start Num: 205

Candidate Starts for Medusa_31:

(Start: 205 @22961 has 143 MA's), (262, 23087), (279, 23111), (331, 23216), (332, 23222), (349, 23270), (352, 23279), (369, 23321), (385, 23366), (387, 23372), (427, 23477), (431, 23489), (455, 23567), (469, 23636), (510, 23864), (517, 23888), (518, 23891), (522, 23918), (523, 23921), (552, 24026), (557, 24056), (560, 24071), (585, 24161), (594, 24200), (602, 24245), (639, 24413), (665, 24530), (670, 24536), (687, 24581), (712, 24632), (713, 24635), (741, 24698), (744, 24707), (773, 24794),

Gene: MeeZee_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for MeeZee_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Megiddo_21 Start: 18926, Stop: 21559, Start Num: 9

Candidate Starts for Megiddo_21:

(Start: 9 @18926 has 17 MA's), (10, 18935), (42, 19079), (135, 19352), (138, 19364), (147, 19385), (155, 19409), (177, 19484), (202, 19556), (214, 19586), (226, 19622), (250, 19685), (259, 19700), (274, 19727), (279, 19733), (318, 19808), (326, 19832), (327, 19838), (331, 19850), (343, 19892), (345, 19898), (374, 19985), (380, 20006), (385, 20030), (404, 20096), (413, 20117), (419, 20135), (427, 20168), (433, 20192), (434, 20195), (447, 20246), (469, 20351), (479, 20393), (505, 20558), (522, 20654), (545, 20732), (547, 20744), (569, 20834), (585, 20894), (587, 20903), (597, 20951), (599, 20960), (624, 21077), (632, 21122), (643, 21164), (658, 21230), (661, 21254), (682, 21302), (685, 21308), (690, 21314), (738, 21413), (741, 21422), (748, 21452), (774, 21542), (777, 21551),

Gene: Melvin_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Melvin_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Methuselah_32 Start: 23360, Stop: 25111, Start Num: 298

Candidate Starts for Methuselah_32:

(Start: 298 @23360 has 65 MA's), (341, 23495), (360, 23552), (363, 23561), (376, 23606), (385, 23642), (422, 23753), (427, 23774), (436, 23810), (444, 23831), (468, 23948), (492, 24086), (509, 24182), (510, 24185), (525, 24254), (537, 24278), (551, 24323), (561, 24371), (579, 24437), (614, 24608), (616, 24614), (629, 24665), (639, 24710), (647, 24740), (658, 24788), (670, 24830), (677, 24845), (678, 24848), (687, 24872), (741, 24974), (742, 24977), (747, 25001),

Gene: Microwolf_33 Start: 23278, Stop: 25035, Start Num: 298

Candidate Starts for Microwolf_33:

(Start: 298 @23278 has 65 MA's), (341, 23413), (363, 23479), (376, 23524), (385, 23560), (427, 23692), (436, 23728), (444, 23749), (455, 23806), (468, 23866), (480, 23920), (487, 23980), (509, 24100), (510, 24103), (525, 24172), (537, 24196), (561, 24289), (566, 24310), (579, 24355), (651, 24685), (670, 24754), (695, 24817), (770, 24988),

Gene: MiculUcigas_31 Start: 22775, Stop: 24997, Start Num: 60

Candidate Starts for MiculUcigas_31:

(Start: 60 @22775 has 32 MA's), (98, 22889), (103, 22904), (179, 23150), (199, 23204), (Start: 298 @23315 has 65 MA's), (313, 23354), (341, 23450), (374, 23552), (468, 23801), (473, 23831), (477, 23843), (506, 24014), (520, 24083), (549, 24182), (576, 24293), (578, 24299), (579, 24305), (587, 24344), (598, 24401), (599, 24404), (613, 24470), (632, 24554), (649, 24626), (683, 24746), (739, 24857), (753, 24908), (758, 24920),

Gene: Miko_34 Start: 24326, Stop: 26263, Start Num: 60

Candidate Starts for Miko_34:

(Start: 60 @24326 has 32 MA's), (69, 24350), (98, 24440), (101, 24449), (116, 24506), (449, 25007), (468, 25097), (470, 25115), (477, 25139), (493, 25247), (512, 25340), (520, 25379), (549, 25469), (562, 25529), (587, 25631), (591, 25652), (624, 25796), (628, 25811), (660, 25967), (669, 25988), (703, 26060), (715, 26078), (735, 26120), (740, 26141), (758, 26201), (774, 26246),

Gene: Millski_30 Start: 22963, Stop: 24819, Start Num: 205

Candidate Starts for Millski_30:

(Start: 205 @22963 has 143 MA's), (262, 23089), (279, 23113), (331, 23218), (332, 23224), (349, 23272), (352, 23281), (369, 23323), (385, 23368), (387, 23374), (427, 23479), (431, 23491), (455, 23569), (469, 23638), (510, 23866), (517, 23890), (518, 23893), (522, 23920), (523, 23923), (552, 24028), (557, 24058), (560, 24073), (585, 24163), (594, 24202), (602, 24247), (639, 24415), (665, 24532), (670, 24538), (687, 24583), (712, 24634), (713, 24637), (741, 24700), (744, 24709), (773, 24796),

Gene: Milly_23 Start: 18661, Stop: 21000, Start Num: 20

Candidate Starts for Milly_23:

(Start: 20 @18661 has 36 MA's), (83, 18832), (88, 18850), (96, 18874), (176, 19018), (189, 19051), (237, 19180), (243, 19189), (249, 19204), (255, 19216), (263, 19225), (289, 19273), (331, 19369), (336, 19387), (343, 19408), (358, 19453), (395, 19555), (420, 19627), (429, 19669), (431, 19675), (432, 19684), (454, 19771), (458, 19792), (468, 19834), (471, 19855), (491, 19972), (493, 19981), (500, 20017), (510, 20071), (523, 20125), (525, 20137), (534, 20161), (566, 20275), (573, 20302), (587, 20359), (629, 20548), (636, 20578), (647, 20629), (658, 20677), (675, 20731), (687, 20761), (695, 20782), (756, 20914),

Gene: MiniLon_21 Start: 19528, Stop: 22035, Start Num: 14

Candidate Starts for MiniLon_21:

(Start: 14 @19528 has 19 MA's), (29, 19591), (53, 19663), (71, 19711), (139, 19897), (182, 20023), (193, 20053), (206, 20092), (217, 20122), (253, 20209), (269, 20236), (284, 20269), (289, 20275), (313, 20326), (342, 20413), (344, 20419), (347, 20428), (353, 20446), (371, 20506), (378, 20527), (390, 20578), (392, 20581), (415, 20650), (455, 20803), (472, 20887), (477, 20905), (479, 20914), (509, 21097), (516, 21121), (519, 21142), (523, 21157), (540, 21205), (562, 21295), (563, 21304), (587, 21397), (590, 21415), (591, 21418), (607, 21490), (623, 21559), (624, 21565), (628, 21580), (631, 21598), (638, 21631), (639, 21634), (650, 21685), (656, 21709), (666, 21751), (678, 21775), (715, 21850), (716, 21853), (760, 21955),

Gene: MiniMac_21 Start: 19529, Stop: 22036, Start Num: 14

Candidate Starts for MiniMac_21:

(Start: 14 @19529 has 19 MA's), (29, 19592), (53, 19664), (71, 19712), (139, 19898), (182, 20024), (193, 20054), (206, 20093), (217, 20123), (253, 20210), (269, 20237), (284, 20270), (289, 20276), (313, 20327), (342, 20414), (344, 20420), (347, 20429), (353, 20447), (371, 20507), (378, 20528), (390, 20579), (392, 20582), (415, 20651), (455, 20804), (472, 20888), (477, 20906), (479, 20915), (509, 21098), (516, 21122), (519, 21143), (523, 21158), (540, 21206), (562, 21296), (563, 21305), (587, 21398), (590, 21416), (591, 21419), (607, 21491), (623, 21560), (624, 21566), (628, 21581), (631, 21599), (638, 21632), (639, 21635), (650, 21686), (656, 21710), (666, 21752), (678, 21776), (715, 21851), (716, 21854), (760, 21956),

Gene: Miramae_31 Start: 22903, Stop: 24762, Start Num: 205

Candidate Starts for Miramae_31:

(Start: 205 @22903 has 143 MA's), (230, 22969), (279, 23053), (296, 23071), (315, 23116), (332, 23164), (352, 23221), (369, 23263), (387, 23314), (394, 23335), (408, 23368), (427, 23419), (431, 23431), (450, 23485), (455, 23509), (469, 23578), (510, 23806), (518, 23833), (522, 23860), (523, 23863), (552, 23971), (556, 23992), (557, 24001), (575, 24070), (585, 24106), (594, 24145), (608, 24214), (637, 24352), (665, 24475), (670, 24481), (741, 24643), (744, 24652),

Gene: Misomonster_35 Start: 23363, Stop: 25114, Start Num: 298

Candidate Starts for Misomonster_35:

(Start: 298 @23363 has 65 MA's), (341, 23498), (363, 23564), (376, 23609), (385, 23645), (422, 23756), (427, 23777), (436, 23813), (444, 23834), (468, 23951), (492, 24089), (509, 24185), (510, 24188), (525, 24257), (537, 24281), (551, 24326), (561, 24374), (579, 24440), (614, 24611), (616, 24617), (629, 24668), (639, 24713), (647, 24743), (658, 24791), (670, 24833), (677, 24848), (678, 24851), (687, 24875), (741, 24977), (742, 24980), (747, 25004),

Gene: MissDaisy_28 Start: 22035, Stop: 24344, Start Num: 39

Candidate Starts for MissDaisy_28:

(Start: 39 @22035 has 43 MA's), (59, 22083), (63, 22092), (81, 22146), (91, 22179), (123, 22287), (146, 22353), (168, 22416), (180, 22467), (185, 22476), (Start: 198 @22509 has 11 MA's), (214, 22557), (236, 22614), (267, 22674), (300, 22686), (309, 22701), (312, 22707), (327, 22740), (346, 22788), (379, 22842), (404, 22914), (463, 23094), (480, 23175), (503, 23328), (513, 23370), (524, 23439), (546, 23526), (549, 23544), (554, 23571), (562, 23610), (565, 23625), (591, 23721), (624, 23874), (628, 23889), (629, 23895), (633, 23925), (635, 23931), (640, 23958), (643, 23970), (662, 24066), (691, 24120), (699, 24141), (741, 24228), (748, 24258), (777, 24336),

Gene: Mitti_28 Start: 22196, Stop: 24505, Start Num: 39

Candidate Starts for Mitti_28:

(Start: 39 @22196 has 43 MA's), (81, 22307), (88, 22331), (123, 22448), (168, 22577), (185, 22637), (209, 22709), (214, 22718), (236, 22775), (238, 22784), (267, 22835), (300, 22847), (309, 22862), (312, 22868), (327, 22901), (346, 22949), (379, 23003), (404, 23075), (419, 23114), (424, 23126), (431, 23141), (447, 23186), (463, 23255), (480, 23336), (503, 23489), (513, 23531), (522, 23588), (524, 23600), (528, 23630), (549, 23705), (554, 23732), (562, 23771), (565, 23786), (591, 23882), (624, 24035), (628, 24050), (629, 24056), (633, 24086), (635, 24092), (640, 24119), (643, 24131), (662, 24227), (691, 24281), (699, 24302), (741, 24389), (748, 24419), (777, 24497),

Gene: MoneyMay_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for MoneyMay_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: Montavir_32 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for Montavir_32:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: Moostard_21 Start: 19727, Stop: 22240, Start Num: 14

Candidate Starts for Moostard_21:

(Start: 14 @19727 has 19 MA's), (29, 19790), (53, 19862), (85, 19952), (87, 19958), (107, 20030), (182, 20222), (187, 20234), (193, 20252), (206, 20291), (217, 20321), (239, 20378), (253, 20408), (258, 20414), (284, 20468), (289, 20474), (343, 20621), (344, 20624), (347, 20633), (353, 20651), (371, 20711), (375, 20720), (378, 20732), (390, 20783), (392, 20786), (440, 20951), (455, 21008), (472, 21092), (477, 21110), (479, 21119), (487, 21182), (509, 21302), (519, 21347), (523, 21362), (527, 21380), (540, 21410), (562, 21500), (582, 21569), (587, 21602), (591, 21623), (599, 21659), (607, 21695), (617, 21740), (623, 21764), (624, 21770), (628, 21785), (631, 21803), (638, 21836), (650, 21890), (656, 21914), (664, 21950), (666, 21956), (678, 21980), (752, 22145), (755, 22154), (760, 22160),

Gene: Morpher26_31 Start: 22972, Stop: 24831, Start Num: 205

Candidate Starts for Morpher26_31:

(181, 22912), (Start: 205 @22972 has 143 MA's), (230, 23038), (251, 23083), (Start: 254 @23089 has 1 MA's), (279, 23122), (296, 23140), (315, 23185), (317, 23191), (319, 23197), (352, 23290), (360, 23305), (385, 23377), (408, 23437), (427, 23488), (431, 23500), (455, 23578), (469, 23647), (489, 23770), (494, 23794), (510, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (557, 24070), (567, 24112), (575, 24139), (585, 24175), (590, 24202), (594, 24214), (627, 24370), (665, 24544), (670, 24550), (687, 24595), (712, 24646), (713, 24649), (731, 24685), (744, 24721),

Gene: Morrow_31 Start: 22963, Stop: 24819, Start Num: 205

Candidate Starts for Morrow_31:

(Start: 205 @22963 has 143 MA's), (262, 23089), (279, 23113), (331, 23218), (332, 23224), (349, 23272), (352, 23281), (369, 23323), (385, 23368), (387, 23374), (431, 23491), (455, 23569), (469, 23638), (510, 23866), (517, 23890), (518, 23893), (523, 23923), (552, 24028), (557, 24058), (560, 24073), (585, 24163), (594, 24202), (599, 24229), (602, 24247), (624, 24346), (665, 24532), (687, 24583), (713, 24637), (741, 24700), (744, 24709), (773, 24796),

Gene: MsGreen_21 Start: 19724, Stop: 22237, Start Num: 14

Candidate Starts for MsGreen_21:

(Start: 14 @19724 has 19 MA's), (29, 19787), (53, 19859), (85, 19949), (87, 19955), (107, 20027), (149, 20114), (182, 20219), (187, 20231), (193, 20249), (206, 20288), (217, 20318), (239, 20375), (253, 20405), (258, 20411), (284, 20465), (289, 20471), (343, 20618), (344, 20621), (347, 20630), (353, 20648), (371, 20708), (375, 20717), (378, 20729), (390, 20780), (392, 20783), (440, 20948), (455, 21005), (472, 21089), (477, 21107), (479, 21116), (487, 21179), (509, 21299), (516, 21323), (519, 21344), (523, 21359), (527, 21377), (540, 21407), (562, 21497), (582, 21566), (587, 21599), (591, 21620), (599, 21656), (607, 21692), (617, 21737), (623, 21761), (624, 21767), (628, 21782), (631, 21800), (650, 21887), (656, 21911), (664, 21947), (666, 21953), (678, 21977), (715, 22052), (716, 22055), (752, 22142), (755, 22151), (760, 22157),

Gene: MuchMore_35 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for MuchMore_35:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: Muddy_24 Start: 19607, Stop: 21925, Start Num: 79

Candidate Starts for Muddy_24:

(Start: 79 @19607 has 2 MA's), (139, 19808), (156, 19853), (161, 19865), (178, 19931), (184, 19943), (196, 19976), (219, 20042), (292, 20183), (339, 20315), (357, 20366), (369, 20405), (375, 20423), (384, 20459), (403, 20519), (427, 20594), (442, 20621), (455, 20684), (467, 20741), (501, 20936), (518, 21005), (520, 21023), (521, 21029), (522, 21032), (523, 21035), (555, 21152), (556, 21158), (575, 21236), (588, 21284), (589, 21287), (604, 21365), (613, 21416), (619, 21431), (622, 21443), (636, 21506), (640, 21527), (645, 21548), (658, 21605), (660, 21626), (678, 21665), (694, 21707), (711, 21740), (713, 21746), (720, 21761), (751, 21845),

Gene: Mufasa_23 Start: 18681, Stop: 21020, Start Num: 20

Candidate Starts for Mufasa_23:

(Start: 20 @18681 has 36 MA's), (135, 18921), (174, 19029), (176, 19038), (183, 19059), (192, 19083), (245, 19212), (249, 19224), (289, 19293), (343, 19428), (349, 19446), (358, 19473), (395, 19575), (420, 19647), (429, 19689), (431, 19695), (432, 19704), (434, 19710), (454, 19791), (458, 19812), (468, 19854), (471, 19875), (479, 19905), (491, 19992), (493, 20001), (500, 20037), (510, 20091), (523, 20145), (525, 20157), (549, 20217), (562, 20277), (566, 20295), (573, 20322), (587, 20379), (629, 20568), (636, 20598), (653, 20676), (658, 20697), (670, 20739), (682, 20772), (687, 20781), (695, 20802), (708, 20829), (747, 20910), (756, 20934),

Gene: Munch_31 Start: 23397, Stop: 25388, Start Num: 198

Candidate Starts for Munch_31:

(Start: 198 @23397 has 11 MA's), (238, 23508), (244, 23517), (271, 23574), (281, 23589), (294, 23607), (300, 23619), (325, 23667), (329, 23685), (333, 23688), (372, 23808), (404, 23922), (413, 23943), (419, 23961), (427, 23994), (469, 24177), (476, 24207), (477, 24210), (505, 24384), (507, 24390), (510, 24414), (513, 24420), (525, 24495), (545, 24558), (555, 24600), (556, 24606), (587, 24729), (597, 24777), (599, 24786), (624, 24903), (625, 24906), (632, 24948), (643, 24990), (650, 25026), (661, 25080), (682, 25131), (685, 25137), (690, 25143), (708, 25185), (747, 25275), (765, 25332), (774, 25371), (777, 25380),

Gene: Mundrea_31 Start: 22930, Stop: 24786, Start Num: 205

Candidate Starts for Mundrea_31:

(Start: 205 @22930 has 143 MA's), (279, 23080), (296, 23098), (301, 23110), (315, 23143), (319, 23155), (352, 23248), (360, 23263), (408, 23395), (427, 23446), (431, 23458), (455, 23536), (469, 23605), (510, 23833), (522, 23887), (523, 23890), (552, 23995), (556, 24016), (557, 24025), (585, 24130), (627, 24325), (639, 24382), (665, 24499), (670, 24505), (744, 24676),

Gene: MyraDee_29 Start: 20768, Stop: 22630, Start Num: 205

Candidate Starts for MyraDee_29:

(Start: 205 @20768 has 143 MA's), (216, 20789), (224, 20810), (264, 20894), (286, 20924), (336, 21038), (361, 21101), (364, 21107), (377, 21152), (455, 21344), (466, 21392), (469, 21413), (489, 21536), (493, 21557), (498, 21581), (522, 21695), (523, 21698), (552, 21806), (556, 21827), (557, 21836), (575, 21905), (585, 21941), (597, 21998), (613, 22085), (615, 22091), (649, 22250), (659, 22289), (660, 22304), (662, 22313), (665, 22319), (693, 22382), (723, 22457), (733, 22472), (738, 22487), (776, 22607),

Gene: Myxus_33 Start: 24377, Stop: 26143, Start Num: 56

Candidate Starts for Myxus_33:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774,

26126),

Gene: NaSiaTalie_31 Start: 22773, Stop: 24995, Start Num: 60

Candidate Starts for NaSiaTalie_31:

(Start: 60 @22773 has 32 MA's), (98, 22887), (101, 22896), (103, 22902), (108, 22923), (119, 22959), (143, 23034), (174, 23124), (176, 23136), (Start: 298 @23313 has 65 MA's), (313, 23352), (341, 23448), (468, 23799), (473, 23829), (477, 23841), (506, 24012), (520, 24081), (549, 24180), (576, 24291), (578, 24297), (579, 24303), (587, 24342), (598, 24399), (599, 24402), (613, 24468), (632, 24552), (649, 24624), (688, 24750), (690, 24753), (739, 24855), (744, 24870), (758, 24918),

Gene: Nebs_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Nebs_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (599, 24223), (602, 24241), (624, 24340), (665, 24526), (687, 24577), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Nemo27_31 Start: 22959, Stop: 24815, Start Num: 205

Candidate Starts for Nemo27_31:

(Start: 205 @22959 has 143 MA's), (262, 23085), (279, 23109), (331, 23214), (332, 23220), (349, 23268), (352, 23277), (369, 23319), (385, 23364), (387, 23370), (427, 23475), (431, 23487), (455, 23565), (469, 23634), (510, 23862), (517, 23886), (518, 23889), (522, 23916), (523, 23919), (552, 24024), (556, 24045), (557, 24054), (585, 24159), (594, 24198), (602, 24243), (637, 24405), (639, 24411), (665, 24528), (670, 24534), (687, 24579), (712, 24630), (713, 24633), (741, 24696), (744, 24705), (773, 24792),

Gene: Nergal_25 Start: 20708, Stop: 22390, Start Num: 254

Candidate Starts for Nergal_25:

(Start: 254 @20708 has 1 MA's), (321, 20774), (448, 21074), (503, 21374), (525, 21488), (537, 21542), (545, 21566), (548, 21578), (555, 21617), (571, 21686), (577, 21701), (587, 21749), (617, 21893), (624, 21923), (629, 21944), (631, 21956), (632, 21968), (675, 22127), (685, 22151), (687, 22154), (690, 22157), (707, 22196), (736, 22250), (751, 22310), (768, 22358),

Gene: Nicholas_21 Start: 19724, Stop: 22237, Start Num: 14

Candidate Starts for Nicholas_21:

(Start: 14 @19724 has 19 MA's), (29, 19787), (53, 19859), (85, 19949), (87, 19955), (107, 20027), (149, 20114), (182, 20219), (187, 20231), (193, 20249), (206, 20288), (217, 20318), (239, 20375), (253, 20405), (258, 20411), (284, 20465), (289, 20471), (343, 20618), (344, 20621), (347, 20630), (353, 20648), (371, 20708), (375, 20717), (378, 20729), (390, 20780), (392, 20783), (440, 20948), (455, 21005), (472, 21089), (477, 21107), (479, 21116), (487, 21179), (509, 21299), (516, 21323), (519, 21344), (523, 21359), (527, 21377), (540, 21407), (562, 21497), (582, 21566), (587, 21599), (591, 21620), (599, 21656), (607, 21692), (617, 21737), (623, 21761), (624, 21767), (628, 21782), (631, 21800), (650, 21887), (656, 21911), (664, 21947), (666, 21953), (678, 21977), (715, 22052), (716, 22055), (752, 22142), (755, 22151), (760, 22157),

Gene: NicoleTera_35 Start: 24630, Stop: 26411, Start Num: 60

Candidate Starts for NicoleTera_35:

(Start: 60 @24630 has 32 MA's), (98, 24744), (101, 24753), (127, 24840), (434, 25128), (468, 25245), (470, 25263), (477, 25287), (512, 25488), (520, 25527), (587, 25779), (590, 25797), (613, 25905), (624, 25944), (628, 25959), (634, 25989), (660, 26115), (669, 26136), (703, 26208), (735, 26268), (740, 26289), (774, 26394),

Gene: Nikao_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Nikao_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673), (722, 22703),

Gene: Niklas_27 Start: 20233, Stop: 22734, Start Num: 39

Candidate Starts for Niklas_27:

(Start: 39 @20233 has 43 MA's), (59, 20281), (80, 20332), (103, 20404), (114, 20455), (121, 20473), (133, 20506), (141, 20527), (144, 20539), (165, 20593), (190, 20671), (201, 20710), (222, 20767), (236, 20803), (259, 20854), (276, 20884), (291, 20899), (302, 20923), (319, 20956), (326, 20977), (327, 20983), (339, 21022), (385, 21175), (393, 21208), (396, 21220), (423, 21283), (447, 21367), (484, 21550), (490, 21604), (498, 21646), (538, 21838), (541, 21844), (549, 21868), (561, 21931), (571, 21970), (589, 22033), (599, 22090), (606, 22123), (609, 22141), (617, 22180), (626, 22219), (628, 22225), (638, 22282), (662, 22396), (690, 22450), (694, 22465), (708, 22495), (716, 22507), (740, 22564), (745, 22582), (754, 22612), (762, 22630), (780, 22711),

Gene: Noella_32 Start: 23374, Stop: 25233, Start Num: 228

Candidate Starts for Noella_32:

(Start: 228 @23374 has 32 MA's), (305, 23518), (316, 23536), (328, 23575), (334, 23596), (349, 23638), (355, 23656), (407, 23815), (417, 23842), (445, 23947), (450, 23968), (468, 24055), (477, 24097), (520, 24337), (549, 24427), (561, 24484), (599, 24649), (611, 24703), (613, 24715), (619, 24730), (648, 24859), (649, 24871), (661, 24931), (665, 24943), (690, 24988), (695, 25006), (758, 25153), (767, 25180), (774, 25210),

Gene: Noelle_31 Start: 23041, Stop: 24900, Start Num: 205

Candidate Starts for Noelle_31:

(Start: 205 @23041 has 143 MA's), (281, 23194), (303, 23227), (305, 23233), (315, 23254), (319, 23266), (350, 23353), (360, 23374), (394, 23473), (427, 23557), (431, 23569), (453, 23635), (455, 23647), (469, 23716), (510, 23944), (520, 23989), (522, 23998), (523, 24001), (556, 24130), (557, 24139), (567, 24181), (575, 24208), (585, 24244), (590, 24271), (594, 24283), (599, 24310), (627, 24439), (639, 24496), (640, 24499), (665, 24613), (670, 24619), (695, 24685), (712, 24715), (742, 24784), (744, 24790),

Gene: Norbert_31 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for Norbert_31:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (445, 23946), (450, 23967), (468, 24054), (477, 24096), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: NorthStar_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for NorthStar_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (450, 23542), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639,

24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: NotAPhaseMom_31 Start: 22964, Stop: 24820, Start Num: 205

Candidate Starts for NotAPhaseMom_31:

(Start: 205 @22964 has 143 MA's), (262, 23090), (279, 23114), (331, 23219), (332, 23225), (349, 23273), (352, 23282), (369, 23324), (385, 23369), (387, 23375), (427, 23480), (431, 23492), (455, 23570), (469, 23639), (510, 23867), (517, 23891), (518, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (557, 24059), (585, 24164), (594, 24203), (602, 24248), (637, 24410), (639, 24416), (665, 24533), (670, 24539), (687, 24584), (712, 24635), (741, 24701), (744, 24710), (773, 24797),

Gene: NothingSpecial_33 Start: 24784, Stop: 26571, Start Num: 61

Candidate Starts for NothingSpecial_33:

(Start: 61 @24784 has 29 MA's), (69, 24805), (93, 24883), (98, 24895), (99, 24898), (101, 24904), (103, 24910), (122, 24979), (150, 25057), (311, 25246), (468, 25402), (470, 25420), (477, 25444), (512, 25645), (549, 25774), (553, 25795), (561, 25831), (579, 25897), (591, 25957), (628, 26116), (629, 26122), (641, 26179), (644, 26191), (660, 26275), (703, 26368), (722, 26407), (740, 26449), (755, 26503), (771, 26539),

Gene: November_25 Start: 21214, Stop: 23631, Start Num: 39

Candidate Starts for November_25:

(Start: 39 @21214 has 43 MA's), (43, 21223), (59, 21262), (102, 21385), (116, 21442), (120, 21454), (136, 21496), (218, 21742), (259, 21835), (293, 21877), (295, 21880), (304, 21901), (326, 21961), (327, 21967), (360, 22063), (389, 22159), (438, 22276), (464, 22384), (467, 22402), (469, 22414), (493, 22558), (521, 22693), (522, 22696), (523, 22699), (530, 22738), (549, 22792), (556, 22825), (559, 22846), (584, 22933), (589, 22954), (590, 22966), (613, 23083), (615, 23089), (643, 23218), (646, 23230), (649, 23251), (660, 23305), (672, 23335), (680, 23356), (694, 23383), (698, 23389), (737, 23458), (765, 23563), (779, 23623),

Gene: Nutello_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Nutello_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: Nyxis_31 Start: 22903, Stop: 24762, Start Num: 205

Candidate Starts for Nyxis_31:

(Start: 205 @22903 has 143 MA's), (262, 23029), (279, 23053), (331, 23158), (332, 23164), (349, 23212), (352, 23221), (369, 23263), (385, 23308), (387, 23314), (431, 23431), (455, 23509), (469, 23578), (522, 23860), (523, 23863), (552, 23968), (557, 23998), (585, 24103), (594, 24142), (599, 24169), (602, 24187), (670, 24478), (703, 24556), (707, 24568), (712, 24574), (731, 24613), (741, 24640), (743, 24646), (744, 24649), (773, 24739),

Gene: OKCentral2016_32 Start: 22976, Stop: 24811, Start Num: 54

Candidate Starts for OKCentral2016_32:

(Start: 54 @22976 has 25 MA's), (67, 23009), (72, 23024), (174, 23336), (179, 23360), (187, 23378), (189, 23381), (191, 23384), (197, 23405), (204, 23432), (468, 23645), (470, 23663), (477, 23687),

(497, 23822), (500, 23831), (520, 23927), (539, 23984), (549, 24017), (576, 24128), (590, 24197), (613, 24305), (619, 24320), (628, 24359), (629, 24365), (644, 24431), (658, 24494), (660, 24515), (661, 24518), (662, 24524), (669, 24536), (694, 24593), (703, 24608), (707, 24617), (736, 24671), (740, 24689), (758, 24749), (774, 24794), (775, 24797),

Gene: OKaNui_32 Start: 23013, Stop: 24869, Start Num: 205

Candidate Starts for OKaNui_32:

(Start: 205 @23013 has 143 MA's), (262, 23139), (279, 23163), (331, 23268), (332, 23274), (349, 23322), (352, 23331), (369, 23373), (385, 23418), (387, 23424), (427, 23529), (431, 23541), (450, 23595), (455, 23619), (469, 23688), (498, 23856), (510, 23916), (517, 23940), (518, 23943), (520, 23961), (522, 23970), (523, 23973), (552, 24078), (557, 24108), (560, 24123), (585, 24213), (594, 24252), (602, 24297), (639, 24465), (665, 24582), (670, 24588), (687, 24633), (712, 24684), (713, 24687), (741, 24750), (744, 24759), (773, 24846),

Gene: Obama12_32 Start: 23276, Stop: 25132, Start Num: 205

Candidate Starts for Obama12_32:

(Start: 205 @23276 has 143 MA's), (262, 23402), (279, 23426), (331, 23531), (332, 23537), (349, 23585), (369, 23636), (387, 23687), (427, 23792), (431, 23804), (455, 23882), (469, 23951), (498, 24119), (505, 24149), (510, 24179), (517, 24203), (518, 24206), (522, 24233), (523, 24236), (552, 24341), (556, 24362), (557, 24371), (594, 24515), (602, 24560), (637, 24722), (665, 24845), (687, 24896), (741, 25013), (744, 25022), (773, 25109),

Gene: Ohfah_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Ohfah_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (599, 24223), (602, 24241), (624, 24340), (665, 24526), (687, 24577), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: OlanP_33 Start: 23541, Stop: 25349, Start Num: 50

Candidate Starts for OlanP_33:

(Start: 50 @23541 has 18 MA's), (98, 23676), (116, 23742), (131, 23787), (143, 23823), (174, 23913), (179, 23937), (282, 23982), (307, 24012), (468, 24180), (470, 24198), (477, 24222), (503, 24384), (512, 24423), (520, 24462), (539, 24519), (549, 24552), (587, 24714), (591, 24735), (610, 24822), (624, 24879), (628, 24894), (641, 24957), (658, 25032), (660, 25053), (703, 25146), (722, 25185), (740, 25227), (773, 25326),

Gene: Ollie_33 Start: 23147, Stop: 24904, Start Num: 298

Candidate Starts for Ollie_33:

(Start: 298 @23147 has 65 MA's), (341, 23282), (363, 23348), (376, 23393), (385, 23429), (427, 23561), (436, 23597), (444, 23618), (455, 23675), (468, 23735), (480, 23789), (487, 23849), (509, 23969), (510, 23972), (525, 24041), (537, 24065), (561, 24158), (566, 24179), (579, 24224), (651, 24554), (670, 24623), (695, 24686), (770, 24857),

Gene: OmniCritical_28 Start: 22181, Stop: 24490, Start Num: 39

Candidate Starts for OmniCritical_28:

(Start: 39 @22181 has 43 MA's), (81, 22292), (88, 22316), (123, 22433), (168, 22562), (180, 22613), (185, 22622), (209, 22694), (214, 22703), (236, 22760), (238, 22769), (267, 22820), (300, 22832), (309, 22847), (312, 22853), (327, 22886), (346, 22934), (379, 22988), (404, 23060), (419, 23099), (424, 23111), (431, 23126), (447, 23171), (463, 23240), (480, 23321), (503, 23474), (522, 23573), (524, 23585), (549, 23690), (562, 23756), (565, 23771), (591, 23867), (624, 24020), (628, 24035), (629, 24041), (632, 24065), (640, 24104), (662, 24212), (689, 24263), (691, 24266), (741, 24374),

(748, 24404), (777, 24482),

Gene: Onglai_32 Start: 22711, Stop: 24477, Start Num: 56

Candidate Starts for Onglai_32:

(Start: 56 @22711 has 26 MA's), (62, 22723), (116, 22897), (150, 22987), (169, 23032), (172, 23041), (Start: 298 @23119 has 65 MA's), (308, 23143), (322, 23179), (468, 23308), (470, 23326), (512, 23551), (518, 23572), (520, 23590), (549, 23680), (561, 23737), (590, 23860), (619, 23983), (628, 24022), (639, 24079), (658, 24160), (660, 24181), (661, 24184), (694, 24259), (703, 24274), (747, 24385), (774, 24460),

Gene: P28Green_33 Start: 23278, Stop: 25035, Start Num: 298

Candidate Starts for P28Green_33:

(Start: 298 @23278 has 65 MA's), (341, 23413), (363, 23479), (376, 23524), (385, 23560), (427, 23692), (436, 23728), (444, 23749), (455, 23806), (468, 23866), (480, 23920), (487, 23980), (509, 24100), (510, 24103), (525, 24172), (537, 24196), (561, 24289), (566, 24310), (579, 24355), (651, 24685), (670, 24754), (695, 24817), (770, 24988),

Gene: PGHhamlin_35 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for PGHhamlin_35:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: PackMan_33 Start: 24377, Stop: 26143, Start Num: 56

Candidate Starts for PackMan_33:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774, 26126),

Gene: Palestino_30 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Palestino_30:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (374, 23335), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Panamaxus_31 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for Panamaxus_31:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (445, 23946), (450, 23967), (468, 24054), (477, 24096), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: Panchino_20 Start: 17533, Stop: 20178, Start Num: 9

Candidate Starts for Panchino_20:

(7, 17521), (Start: 9 @17533 has 17 MA's), (11, 17545), (33, 17656), (40, 17680), (42, 17683), (45, 17692), (66, 17740), (135, 17965), (138, 17977), (147, 17998), (163, 18043), (177, 18097), (202,

18175), (214, 18205), (226, 18241), (235, 18262), (240, 18277), (259, 18319), (279, 18352), (318, 18427), (326, 18451), (327, 18457), (331, 18469), (343, 18511), (345, 18517), (377, 18616), (413, 18736), (419, 18754), (427, 18787), (434, 18814), (447, 18865), (487, 19075), (497, 19141), (505, 19177), (525, 19288), (545, 19351), (585, 19513), (589, 19528), (599, 19579), (624, 19696), (632, 19741), (643, 19783), (650, 19819), (661, 19873), (682, 19921), (747, 20065), (765, 20122), (774, 20161), (777, 20170),

Gene: Patt_28 Start: 22014, Stop: 24320, Start Num: 39

Candidate Starts for Patt_28:

(Start: 39 @22014 has 43 MA's), (52, 22044), (59, 22062), (81, 22125), (123, 22266), (146, 22332), (168, 22395), (180, 22446), (185, 22455), (Start: 198 @22488 has 11 MA's), (214, 22536), (236, 22593), (267, 22653), (300, 22665), (309, 22680), (312, 22686), (327, 22719), (346, 22767), (379, 22821), (404, 22893), (463, 23073), (480, 23154), (503, 23307), (513, 23349), (522, 23406), (524, 23418), (546, 23505), (549, 23523), (562, 23589), (565, 23604), (624, 23853), (628, 23868), (629, 23874), (632, 23898), (640, 23937), (643, 23949), (662, 24045), (681, 24081), (689, 24096), (691, 24099), (699, 24120), (707, 24135), (741, 24204), (748, 24234), (777, 24312),

Gene: Pawn_33 Start: 23361, Stop: 25169, Start Num: 50

Candidate Starts for Pawn_33:

(Start: 50 @23361 has 18 MA's), (98, 23496), (116, 23562), (131, 23607), (143, 23643), (174, 23733), (179, 23757), (282, 23802), (307, 23832), (468, 24000), (470, 24018), (477, 24042), (503, 24204), (512, 24243), (520, 24282), (549, 24372), (587, 24534), (591, 24555), (610, 24642), (624, 24699), (628, 24714), (641, 24777), (658, 24852), (660, 24873), (703, 24966), (722, 25005), (740, 25047), (773, 25146),

Gene: PeaceMeal1_31 Start: 21407, Stop: 23689, Start Num: 54

Candidate Starts for PeaceMeal1_31:

(Start: 54 @21407 has 25 MA's), (67, 21440), (94, 21524), (113, 21590), (161, 21722), (197, 21836), (199, 21845), (Start: 227 @21929 has 1 MA's), (260, 22004), (Start: 298 @22082 has 65 MA's), (325, 22157), (351, 22247), (434, 22373), (449, 22430), (468, 22520), (470, 22538), (477, 22562), (512, 22763), (520, 22802), (549, 22892), (561, 22949), (587, 23054), (591, 23075), (594, 23084), (597, 23102), (599, 23114), (613, 23180), (624, 23219), (628, 23234), (629, 23240), (636, 23273), (658, 23372), (660, 23393), (661, 23396), (687, 23453), (694, 23471), (695, 23474), (703, 23486), (722, 23525), (740, 23567), (741, 23570), (774, 23672),

Gene: Peaches_31 Start: 22959, Stop: 24815, Start Num: 205

Candidate Starts for Peaches_31:

(Start: 205 @22959 has 143 MA's), (262, 23085), (279, 23109), (331, 23214), (332, 23220), (349, 23268), (352, 23277), (369, 23319), (385, 23364), (387, 23370), (427, 23475), (431, 23487), (455, 23565), (469, 23634), (510, 23862), (517, 23886), (518, 23889), (522, 23916), (523, 23919), (552, 24024), (557, 24054), (560, 24069), (585, 24159), (594, 24198), (602, 24243), (639, 24411), (665, 24528), (670, 24534), (687, 24579), (712, 24630), (713, 24633), (741, 24696), (744, 24705), (773, 24792),

Gene: Peanam_27 Start: 20230, Stop: 22731, Start Num: 39

Candidate Starts for Peanam_27:

(Start: 39 @20230 has 43 MA's), (59, 20278), (80, 20329), (103, 20401), (114, 20452), (121, 20470), (133, 20503), (141, 20524), (144, 20536), (165, 20590), (190, 20668), (201, 20707), (222, 20764), (236, 20800), (259, 20851), (276, 20881), (291, 20896), (302, 20920), (319, 20953), (326, 20974), (327, 20980), (339, 21019), (385, 21172), (393, 21205), (396, 21217), (423, 21280), (447, 21364), (484, 21547), (490, 21601), (498, 21643), (538, 21835), (541, 21841), (549, 21865), (561, 21928), (571, 21967), (589, 22030), (599, 22087), (606, 22120), (609, 22138), (617, 22177), (626, 22216), (628, 22222), (638, 22279), (662, 22393), (690, 22447), (694, 22462), (708, 22492), (716, 22504),

(740, 22561), (745, 22579), (754, 22609), (762, 22627), (780, 22708),

Gene: Pembroke_33 Start: 23278, Stop: 25035, Start Num: 298

Candidate Starts for Pembroke_33:

(Start: 298 @23278 has 65 MA's), (341, 23413), (363, 23479), (376, 23524), (385, 23560), (427, 23692), (436, 23728), (444, 23749), (455, 23806), (468, 23866), (480, 23920), (487, 23980), (509, 24100), (510, 24103), (525, 24172), (537, 24196), (561, 24289), (566, 24310), (579, 24355), (651, 24685), (670, 24754), (695, 24817), (770, 24988),

Gene: PenguinLover67_32 Start: 30945, Stop: 33434, Start Num: 23

Candidate Starts for PenguinLover67_32:

(5, 30792), (Start: 23 @30945 has 2 MA's), (Start: 56 @31044 has 26 MA's), (Start: 60 @31050 has 32 MA's), (65, 31062), (84, 31119), (128, 31266), (147, 31317), (151, 31326), (168, 31380), (219, 31533), (258, 31614), (261, 31617), (290, 31677), (302, 31704), (357, 31860), (358, 31863), (366, 31884), (401, 31998), (418, 32046), (437, 32124), (445, 32148), (450, 32169), (467, 32253), (468, 32256), (470, 32274), (499, 32439), (506, 32469), (512, 32499), (520, 32538), (523, 32550), (532, 32580), (544, 32616), (549, 32628), (579, 32751), (581, 32754), (582, 32757), (583, 32763), (586, 32787), (598, 32847), (601, 32865), (619, 32931), (621, 32934), (624, 32955), (636, 33006), (640, 33027), (661, 33132), (722, 33258), (742, 33300), (750, 33336), (758, 33354), (767, 33381),

Gene: Penny1_33 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for Penny1_33:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: Perplexer_31 Start: 22969, Stop: 24828, Start Num: 205

Candidate Starts for Perplexer_31:

(181, 22909), (Start: 205 @22969 has 143 MA's), (230, 23035), (251, 23080), (Start: 254 @23086 has 1 MA's), (279, 23119), (296, 23137), (315, 23182), (317, 23188), (319, 23194), (352, 23287), (360, 23302), (385, 23374), (408, 23434), (427, 23485), (431, 23497), (455, 23575), (469, 23644), (489, 23767), (494, 23791), (510, 23872), (520, 23917), (522, 23926), (523, 23929), (556, 24058), (557, 24067), (567, 24109), (575, 24136), (585, 24172), (590, 24199), (594, 24211), (627, 24367), (665, 24541), (670, 24547), (687, 24592), (712, 24643), (713, 24646), (731, 24682), (744, 24718),

Gene: PeterPeter_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for PeterPeter_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: PetiteSangsue_31 Start: 22972, Stop: 24831, Start Num: 205

Candidate Starts for PetiteSangsue_31:

(181, 22912), (Start: 205 @22972 has 143 MA's), (230, 23038), (251, 23083), (Start: 254 @23089 has 1 MA's), (279, 23122), (296, 23140), (315, 23185), (317, 23191), (319, 23197), (352, 23290), (360, 23305), (385, 23377), (408, 23437), (427, 23488), (431, 23500), (455, 23578), (469, 23647), (489, 23770), (494, 23794), (510, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (557, 24070), (567, 24112), (575, 24139), (585, 24175), (590, 24202), (594, 24214), (627, 24370), (665, 24544), (670, 24550), (687, 24595), (712, 24646), (713, 24649), (731, 24685), (744, 24721),

Gene: Phacado_31 Start: 22959, Stop: 24815, Start Num: 205

Candidate Starts for Phacado_31:

(Start: 205 @22959 has 143 MA's), (262, 23085), (279, 23109), (331, 23214), (332, 23220), (349, 23268), (352, 23277), (369, 23319), (385, 23364), (387, 23370), (427, 23475), (431, 23487), (455, 23565), (469, 23634), (510, 23862), (517, 23886), (518, 23889), (522, 23916), (523, 23919), (552, 24024), (556, 24045), (557, 24054), (585, 24159), (594, 24198), (602, 24243), (637, 24405), (639, 24411), (665, 24528), (670, 24534), (687, 24579), (712, 24630), (713, 24633), (741, 24696), (744, 24705), (773, 24792),

Gene: Phaded_35 Start: 25217, Stop: 26992, Start Num: 54

Candidate Starts for Phaded_35:

(37, 25178), (Start: 54 @25217 has 25 MA's), (98, 25328), (101, 25337), (119, 25394), (127, 25421), (161, 25514), (275, 25607), (282, 25628), (Start: 298 @25637 has 65 MA's), (307, 25658), (311, 25670), (462, 25793), (468, 25826), (470, 25844), (477, 25868), (495, 25982), (512, 26069), (520, 26108), (523, 26120), (539, 26165), (587, 26360), (591, 26381), (628, 26540), (629, 26546), (644, 26612), (658, 26675), (660, 26696), (703, 26789), (740, 26870), (747, 26900), (758, 26930), (774, 26975),

Gene: Phaeder_33 Start: 24377, Stop: 26143, Start Num: 56

Candidate Starts for Phaeder_33:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774, 26126),

Gene: Phalm_21 Start: 18926, Stop: 21559, Start Num: 9

Candidate Starts for Phalm_21:

(Start: 9 @18926 has 17 MA's), (10, 18935), (42, 19079), (135, 19352), (138, 19364), (147, 19385), (155, 19409), (177, 19484), (202, 19556), (214, 19586), (226, 19622), (250, 19685), (259, 19700), (274, 19727), (279, 19733), (318, 19808), (326, 19832), (327, 19838), (331, 19850), (343, 19892), (345, 19898), (374, 19985), (380, 20006), (385, 20030), (404, 20096), (413, 20117), (419, 20135), (427, 20168), (433, 20192), (434, 20195), (447, 20246), (469, 20351), (479, 20393), (505, 20558), (522, 20654), (545, 20732), (547, 20744), (569, 20834), (585, 20894), (587, 20903), (597, 20951), (599, 20960), (624, 21077), (632, 21122), (643, 21164), (658, 21230), (661, 21254), (682, 21302), (685, 21308), (690, 21314), (738, 21413), (741, 21422), (748, 21452), (774, 21542), (777, 21551),

Gene: Phantastic_31 Start: 22796, Stop: 24658, Start Num: 227

Candidate Starts for Phantastic_31:

(Start: 227 @22796 has 1 MA's), (328, 23000), (339, 23033), (382, 23171), (388, 23195), (398, 23213), (445, 23372), (468, 23480), (471, 23501), (477, 23522), (520, 23762), (539, 23819), (549, 23852), (590, 24032), (599, 24074), (613, 24140), (619, 24155), (656, 24326), (665, 24368), (695, 24431), (725, 24485), (727, 24488), (742, 24524), (758, 24578), (767, 24605), (773, 24629),

Gene: Pharb_26 Start: 21154, Stop: 23529, Start Num: 39

Candidate Starts for Pharb_26:

(Start: 39 @21154 has 43 MA's), (49, 21181), (64, 21214), (86, 21274), (90, 21289), (113, 21379), (120, 21397), (165, 21523), (166, 21529), (171, 21544), (178, 21577), (200, 21634), (201, 21637), (208, 21655), (226, 21703), (256, 21772), (288, 21823), (326, 21910), (339, 21955), (360, 22012), (385, 22057), (402, 22102), (414, 22129), (428, 22171), (430, 22177), (438, 22186), (469, 22324), (486, 22414), (523, 22609), (584, 22840), (585, 22846), (587, 22855), (589, 22861), (597, 22903), (603, 22933), (613, 22990), (615, 22996), (640, 23101), (649, 23146), (660, 23200), (662, 23209),

(676, 23239), (745, 23389), (757, 23431), (766, 23464), (777, 23509),

Gene: Phelipe_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Phelipe_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: PhelpsODU_26 Start: 20093, Stop: 22432, Start Num: 20

Candidate Starts for PhelpsODU_26:

(Start: 20 @20093 has 36 MA's), (36, 20150), (83, 20264), (88, 20282), (138, 20333), (148, 20354), (174, 20432), (207, 20531), (210, 20543), (249, 20642), (253, 20651), (307, 20744), (336, 20825), (345, 20855), (349, 20867), (352, 20876), (358, 20894), (363, 20909), (378, 20933), (395, 20993), (410, 21038), (420, 21065), (432, 21122), (435, 21131), (454, 21200), (455, 21203), (458, 21221), (468, 21263), (471, 21284), (479, 21314), (491, 21401), (503, 21464), (509, 21497), (525, 21569), (544, 21617), (549, 21629), (563, 21698), (570, 21722), (587, 21791), (629, 21980), (646, 22055), (650, 22079), (682, 22184), (687, 22193), (694, 22211), (742, 22298), (747, 22322), (763, 22364), (777, 22424),

Gene: Phighter1804_31 Start: 22935, Stop: 24791, Start Num: 205

Candidate Starts for Phighter1804_31:

(Start: 205 @22935 has 143 MA's), (262, 23061), (279, 23085), (331, 23190), (332, 23196), (349, 23244), (352, 23253), (369, 23295), (385, 23340), (387, 23346), (427, 23451), (431, 23463), (452, 23526), (455, 23541), (469, 23610), (498, 23778), (510, 23838), (518, 23865), (522, 23892), (523, 23895), (552, 24000), (556, 24021), (557, 24030), (585, 24135), (602, 24219), (624, 24318), (665, 24504), (670, 24510), (687, 24555), (712, 24606), (713, 24609), (741, 24672), (744, 24681), (773, 24768),

Gene: Phineas_21 Start: 19035, Stop: 21668, Start Num: 9

Candidate Starts for Phineas_21:

(Start: 9 @19035 has 17 MA's), (10, 19044), (42, 19188), (135, 19461), (138, 19473), (147, 19494), (155, 19518), (177, 19593), (202, 19665), (214, 19695), (226, 19731), (250, 19794), (259, 19809), (279, 19842), (318, 19917), (326, 19941), (327, 19947), (331, 19959), (343, 20001), (345, 20007), (374, 20094), (380, 20115), (385, 20139), (404, 20205), (413, 20226), (419, 20244), (427, 20277), (433, 20301), (434, 20304), (447, 20355), (469, 20460), (479, 20502), (505, 20667), (522, 20763), (545, 20841), (547, 20853), (569, 20943), (585, 21003), (587, 21012), (597, 21060), (599, 21069), (624, 21186), (632, 21231), (643, 21273), (658, 21339), (661, 21363), (682, 21411), (685, 21417), (690, 21423), (738, 21522), (741, 21531), (748, 21561), (774, 21651), (777, 21660),

Gene: PhishRPhriends_32 Start: 22545, Stop: 24353, Start Num: 50

Candidate Starts for PhishRPhriends_32:

(Start: 50 @22545 has 18 MA's), (98, 22680), (116, 22746), (131, 22791), (143, 22827), (174, 22917), (179, 22941), (282, 22986), (307, 23016), (468, 23184), (470, 23202), (477, 23226), (503, 23388), (512, 23427), (520, 23466), (549, 23556), (587, 23718), (591, 23739), (610, 23826), (628, 23898), (641, 23961), (658, 24036), (660, 24057), (703, 24150), (722, 24189), (740, 24231), (773, 24330),

Gene: Phloss_20 Start: 17556, Stop: 20201, Start Num: 9

Candidate Starts for Phloss_20:

(7, 17544), (Start: 9 @17556 has 17 MA's), (11, 17568), (12, 17580), (18, 17634), (40, 17703), (42, 17706), (45, 17715), (52, 17730), (109, 17907), (135, 17988), (137, 17997), (159, 18054), (164,

18069), (203, 18201), (222, 18249), (226, 18264), (235, 18285), (250, 18327), (259, 18342), (266, 18351), (279, 18378), (283, 18384), (318, 18453), (326, 18474), (327, 18480), (330, 18489), (338, 18516), (360, 18582), (365, 18594), (374, 18627), (377, 18639), (413, 18759), (419, 18777), (427, 18810), (447, 18888), (469, 18993), (479, 19035), (515, 19254), (521, 19293), (522, 19296), (525, 19311), (545, 19374), (556, 19422), (585, 19536), (591, 19566), (597, 19593), (599, 19602), (624, 19719), (632, 19764), (643, 19806), (658, 19872), (661, 19896), (682, 19944), (685, 19950), (690, 19956), (694, 19971), (738, 20055), (748, 20094), (774, 20184), (777, 20193),

Gene: Phoebe_33 Start: 23275, Stop: 25032, Start Num: 298

Candidate Starts for Phoebe_33:

(Start: 298 @23275 has 65 MA's), (341, 23410), (363, 23476), (376, 23521), (385, 23557), (427, 23689), (436, 23725), (444, 23746), (455, 23803), (468, 23863), (480, 23917), (487, 23977), (509, 24097), (510, 24100), (525, 24169), (537, 24193), (561, 24286), (566, 24307), (579, 24352), (651, 24682), (670, 24751), (695, 24814), (770, 24985),

Gene: Phonnegut_33 Start: 24410, Stop: 26176, Start Num: 56

Candidate Starts for Phonnegut_33:

(Start: 56 @24410 has 26 MA's), (62, 24422), (116, 24596), (150, 24686), (169, 24731), (172, 24740), (Start: 298 @24818 has 65 MA's), (308, 24842), (322, 24878), (468, 25007), (470, 25025), (512, 25250), (518, 25271), (520, 25289), (549, 25379), (561, 25436), (590, 25559), (619, 25682), (628, 25721), (639, 25778), (658, 25859), (660, 25880), (661, 25883), (694, 25958), (703, 25973), (747, 26084), (774, 26159),

Gene: Phontbonne_31 Start: 22904, Stop: 24763, Start Num: 205

Candidate Starts for Phontbonne_31:

(Start: 205 @22904 has 143 MA's), (262, 23030), (279, 23054), (331, 23159), (332, 23165), (349, 23213), (352, 23222), (369, 23264), (385, 23309), (387, 23315), (431, 23432), (455, 23510), (469, 23579), (522, 23861), (523, 23864), (552, 23969), (557, 23999), (585, 24104), (594, 24143), (599, 24170), (602, 24188), (670, 24479), (703, 24557), (707, 24569), (712, 24575), (731, 24614), (741, 24641), (743, 24647), (773, 24740),

Gene: Phoxy_33 Start: 23361, Stop: 25112, Start Num: 298

Candidate Starts for Phoxy_33:

(Start: 298 @23361 has 65 MA's), (341, 23496), (363, 23562), (376, 23607), (385, 23643), (422, 23754), (427, 23775), (436, 23811), (444, 23832), (468, 23949), (492, 24087), (509, 24183), (510, 24186), (525, 24255), (537, 24279), (551, 24324), (561, 24372), (579, 24438), (614, 24609), (616, 24615), (629, 24666), (639, 24711), (647, 24741), (658, 24789), (670, 24831), (677, 24846), (678, 24849), (687, 24873), (741, 24975), (742, 24978), (747, 25002),

Gene: Phrank_26 Start: 20046, Stop: 22382, Start Num: 20

Candidate Starts for Phrank_26:

(Start: 20 @20046 has 36 MA's), (34, 20094), (36, 20103), (83, 20217), (88, 20235), (138, 20286), (174, 20382), (176, 20391), (207, 20481), (210, 20493), (249, 20592), (253, 20601), (307, 20694), (336, 20775), (345, 20805), (349, 20817), (358, 20844), (363, 20859), (378, 20883), (395, 20943), (410, 20988), (420, 21015), (428, 21054), (432, 21072), (435, 21081), (454, 21150), (455, 21153), (458, 21171), (468, 21213), (471, 21234), (479, 21264), (491, 21351), (503, 21414), (509, 21447), (513, 21456), (525, 21519), (544, 21567), (549, 21579), (563, 21648), (570, 21672), (579, 21702), (587, 21741), (629, 21930), (646, 22005), (658, 22059), (687, 22143), (694, 22161), (742, 22248), (747, 22272), (763, 22314), (777, 22374),

Gene: Phranny_34 Start: 23353, Stop: 25161, Start Num: 50

Candidate Starts for Phranny_34:

(Start: 50 @23353 has 18 MA's), (98, 23488), (116, 23554), (131, 23599), (132, 23602), (179, 23749), (282, 23794), (307, 23824), (468, 23992), (470, 24010), (477, 24034), (503, 24196), (512, 24235), (520, 24274), (549, 24364), (587, 24526), (591, 24547), (610, 24634), (628, 24706), (641, 24769), (658, 24844), (660, 24865), (703, 24958), (722, 24997), (740, 25039), (773, 25138),

Gene: Pioneer_33 Start: 24410, Stop: 26176, Start Num: 56

Candidate Starts for Pioneer_33:

(Start: 56 @24410 has 26 MA's), (62, 24422), (116, 24596), (150, 24686), (169, 24731), (172, 24740), (Start: 298 @24818 has 65 MA's), (308, 24842), (322, 24878), (468, 25007), (470, 25025), (512, 25250), (518, 25271), (520, 25289), (549, 25379), (561, 25436), (590, 25559), (619, 25682), (628, 25721), (639, 25778), (658, 25859), (660, 25880), (661, 25883), (694, 25958), (703, 25973), (747, 26084), (774, 26159),

Gene: Pipcraft_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Pipcraft_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Piro94_32 Start: 23234, Stop: 25318, Start Num: 60

Candidate Starts for Piro94_32:

(Start: 60 @23234 has 32 MA's), (98, 23348), (103, 23363), (132, 23462), (174, 23585), (176, 23597), (189, 23630), (Start: 298 @23774 has 65 MA's), (305, 23795), (341, 23909), (353, 23945), (468, 24146), (470, 24164), (477, 24188), (492, 24287), (512, 24389), (520, 24428), (523, 24440), (549, 24518), (578, 24635), (579, 24641), (591, 24701), (613, 24806), (619, 24821), (649, 24962), (650, 24965), (660, 25016), (665, 25031), (675, 25055), (700, 25109), (710, 25133), (750, 25238), (775, 25304),

Gene: Pistachio_32 Start: 22385, Stop: 24244, Start Num: 228

Candidate Starts for Pistachio_32:

(Start: 228 @22385 has 32 MA's), (305, 22529), (314, 22544), (328, 22586), (369, 22709), (382, 22757), (398, 22799), (400, 22805), (407, 22826), (468, 23066), (473, 23096), (483, 23144), (503, 23270), (512, 23309), (520, 23348), (539, 23405), (549, 23438), (587, 23600), (588, 23603), (599, 23660), (613, 23726), (619, 23741), (661, 23942), (722, 24068), (725, 24071), (753, 24152), (758, 24164), (767, 24191), (774, 24221),

Gene: Pixie_26 Start: 21086, Stop: 23437, Start Num: 20

Candidate Starts for Pixie_26:

(Start: 20 @21086 has 36 MA's), (32, 21113), (38, 21146), (80, 21251), (167, 21410), (179, 21455), (193, 21491), (199, 21509), (Start: 228 @21587 has 32 MA's), (249, 21635), (319, 21767), (336, 21821), (341, 21836), (382, 21944), (420, 22061), (429, 22103), (431, 22109), (432, 22118), (435, 22127), (455, 22208), (458, 22226), (468, 22268), (471, 22289), (477, 22310), (479, 22319), (491, 22406), (508, 22499), (509, 22502), (525, 22574), (565, 22709), (566, 22712), (579, 22757), (587, 22796), (590, 22814), (611, 22913), (615, 22931), (629, 22985), (636, 23015), (639, 23033), (646, 23060), (647, 23066), (658, 23114), (682, 23189), (687, 23198), (695, 23219), (701, 23228), (747, 23327), (763, 23369),

Gene: Pocahontas_32 Start: 23370, Stop: 25229, Start Num: 228

Candidate Starts for Pocahontas_32:

(Start: 228 @23370 has 32 MA's), (305, 23514), (316, 23532), (328, 23571), (334, 23592), (349, 23634), (355, 23652), (407, 23811), (417, 23838), (445, 23943), (450, 23964), (468, 24051), (477,

24093), (520, 24333), (549, 24423), (561, 24480), (599, 24645), (611, 24699), (613, 24711), (619, 24726), (648, 24855), (649, 24867), (661, 24927), (665, 24939), (690, 24984), (695, 25002), (758, 25149), (767, 25176), (774, 25206),

Gene: Polymorphads_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Polymorphads_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (599, 24223), (602, 24241), (624, 24340), (665, 24526), (687, 24577), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Poompha_31 Start: 21405, Stop: 23687, Start Num: 54

Candidate Starts for Poompha_31:

(Start: 54 @21405 has 25 MA's), (67, 21438), (94, 21522), (113, 21588), (143, 21675), (161, 21720), (197, 21834), (199, 21843), (Start: 227 @21927 has 1 MA's), (260, 22002), (Start: 298 @22080 has 65 MA's), (325, 22155), (434, 22371), (449, 22428), (468, 22518), (470, 22536), (477, 22560), (479, 22569), (512, 22761), (520, 22800), (549, 22890), (561, 22947), (587, 23052), (594, 23082), (597, 23100), (599, 23112), (624, 23217), (628, 23232), (629, 23238), (636, 23271), (658, 23370), (660, 23391), (661, 23394), (687, 23451), (694, 23469), (695, 23472), (703, 23484), (722, 23523), (740, 23565), (741, 23568), (774, 23670),

Gene: Popcicle_32 Start: 23370, Stop: 25229, Start Num: 228

Candidate Starts for Popcicle_32:

(Start: 228 @23370 has 32 MA's), (305, 23514), (316, 23532), (328, 23571), (334, 23592), (349, 23634), (355, 23652), (407, 23811), (417, 23838), (445, 23943), (450, 23964), (468, 24051), (477, 24093), (520, 24333), (549, 24423), (561, 24480), (599, 24645), (611, 24699), (613, 24711), (619, 24726), (648, 24855), (649, 24867), (661, 24927), (665, 24939), (690, 24984), (695, 25002), (758, 25149), (767, 25176), (774, 25206),

Gene: PotatoSplit_34 Start: 23277, Stop: 25034, Start Num: 298

Candidate Starts for PotatoSplit_34:

(Start: 298 @23277 has 65 MA's), (341, 23412), (363, 23478), (376, 23523), (385, 23559), (427, 23691), (436, 23727), (444, 23748), (455, 23805), (468, 23865), (480, 23919), (487, 23979), (509, 24099), (510, 24102), (525, 24171), (537, 24195), (561, 24288), (566, 24309), (579, 24354), (651, 24684), (670, 24753), (695, 24816), (770, 24987),

Gene: Power_31 Start: 22692, Stop: 24893, Start Num: 61

Candidate Starts for Power_31:

(Start: 61 @22692 has 29 MA's), (69, 22713), (101, 22812), (103, 22818), (110, 22845), (111, 22848), (127, 22902), (139, 22938), (174, 23040), (Start: 298 @23229 has 65 MA's), (340, 23361), (341, 23364), (367, 23442), (468, 23718), (470, 23736), (477, 23760), (512, 23961), (520, 24000), (549, 24090), (561, 24147), (578, 24207), (587, 24252), (591, 24273), (613, 24378), (619, 24393), (624, 24417), (632, 24462), (640, 24489), (649, 24534), (661, 24594), (671, 24618), (744, 24768), (758, 24816), (767, 24840),

Gene: Priya_33 Start: 24444, Stop: 26210, Start Num: 56

Candidate Starts for Priya_33:

(Start: 56 @24444 has 26 MA's), (116, 24630), (150, 24720), (169, 24765), (172, 24774), (Start: 298 @24852 has 65 MA's), (308, 24876), (322, 24912), (468, 25041), (470, 25059), (512, 25284), (518, 25305), (520, 25323), (549, 25413), (561, 25470), (590, 25593), (619, 25716), (628, 25755), (639, 25812), (658, 25893), (660, 25914), (661, 25917), (703, 26007), (747, 26118), (774, 26193),

Gene: Prudy_34 Start: 25130, Stop: 26905, Start Num: 61

Candidate Starts for Prudy_34:

(28, 25031), (Start: 61 @25130 has 29 MA's), (98, 25241), (101, 25250), (139, 25370), (143, 25382), (150, 25394), (179, 25496), (311, 25583), (457, 25688), (462, 25706), (468, 25739), (470, 25757), (477, 25781), (512, 25982), (520, 26021), (539, 26078), (549, 26111), (556, 26141), (590, 26291), (613, 26399), (619, 26414), (628, 26453), (660, 26609), (669, 26630), (703, 26702), (740, 26783), (758, 26843), (774, 26888),

Gene: Pukovnik_33 Start: 24251, Stop: 26089, Start Num: 212

Candidate Starts for Pukovnik_33:

(Start: 212 @24251 has 1 MA's), (220, 24272), (262, 24362), (270, 24371), (308, 24428), (319, 24455), (352, 24548), (370, 24593), (405, 24689), (469, 24905), (489, 25028), (491, 25037), (510, 25133), (522, 25187), (523, 25190), (552, 25298), (557, 25328), (575, 25397), (585, 25433), (588, 25445), (594, 25472), (665, 25802), (687, 25853), (703, 25886), (712, 25904), (713, 25907), (741, 25970),

Gene: Pumbaa_31 Start: 22935, Stop: 24791, Start Num: 205

Candidate Starts for Pumbaa_31:

(Start: 205 @22935 has 143 MA's), (262, 23061), (279, 23085), (332, 23196), (349, 23244), (351, 23250), (352, 23253), (369, 23295), (387, 23346), (427, 23451), (431, 23463), (455, 23541), (469, 23610), (498, 23778), (505, 23808), (510, 23838), (518, 23865), (522, 23892), (523, 23895), (552, 24000), (556, 24021), (557, 24030), (585, 24135), (594, 24174), (599, 24201), (602, 24219), (603, 24222), (627, 24330), (639, 24387), (665, 24504), (670, 24510), (741, 24672), (744, 24681),

Gene: Puppy_32 Start: 22455, Stop: 24314, Start Num: 228

Candidate Starts for Puppy_32:

(Start: 228 @22455 has 32 MA's), (305, 22599), (314, 22614), (328, 22656), (369, 22779), (382, 22827), (398, 22869), (400, 22875), (407, 22896), (468, 23136), (473, 23166), (483, 23214), (503, 23340), (512, 23379), (520, 23418), (539, 23475), (549, 23508), (587, 23670), (588, 23673), (599, 23730), (613, 23796), (619, 23811), (661, 24012), (722, 24138), (725, 24141), (753, 24222), (758, 24234), (767, 24261), (774, 24291),

Gene: PurpleHaze_33 Start: 23360, Stop: 25168, Start Num: 50

Candidate Starts for PurpleHaze_33:

(Start: 50 @23360 has 18 MA's), (98, 23495), (116, 23561), (131, 23606), (143, 23642), (174, 23732), (179, 23756), (282, 23801), (307, 23831), (468, 23999), (470, 24017), (477, 24041), (503, 24203), (512, 24242), (520, 24281), (549, 24371), (587, 24533), (591, 24554), (610, 24641), (624, 24698), (628, 24713), (641, 24776), (658, 24851), (660, 24872), (703, 24965), (722, 25004), (740, 25046), (773, 25145),

Gene: Qhanda_29 Start: 22292, Stop: 24601, Start Num: 39

Candidate Starts for Qhanda_29:

(Start: 39 @22292 has 43 MA's), (81, 22403), (88, 22427), (123, 22544), (168, 22673), (180, 22724), (185, 22733), (Start: 198 @22766 has 11 MA's), (209, 22805), (214, 22814), (236, 22871), (238, 22880), (267, 22931), (300, 22943), (309, 22958), (312, 22964), (327, 22997), (346, 23045), (379, 23099), (404, 23171), (419, 23210), (424, 23222), (431, 23237), (447, 23282), (463, 23351), (480, 23432), (503, 23585), (522, 23684), (524, 23696), (549, 23801), (562, 23867), (565, 23882), (591, 23978), (624, 24131), (628, 24146), (629, 24152), (632, 24176), (640, 24215), (643, 24227), (662, 24323), (691, 24377), (699, 24398), (741, 24485), (748, 24515), (777, 24593),

Gene: Qobbit_33 Start: 24407, Stop: 26173, Start Num: 56

Candidate Starts for Qobbit_33:

(Start: 56 @24407 has 26 MA's), (116, 24593), (150, 24683), (169, 24728), (172, 24737), (Start: 298 @24815 has 65 MA's), (308, 24839), (322, 24875), (468, 25004), (470, 25022), (512, 25247), (518,

25268), (520, 25286), (549, 25376), (561, 25433), (590, 25556), (619, 25679), (628, 25718), (639, 25775), (658, 25856), (660, 25877), (661, 25880), (703, 25970), (747, 26081), (774, 26156),

Gene: QueenB2_31 Start: 22756, Stop: 24954, Start Num: 61

Candidate Starts for QueenB2_31:

(Start: 61 @22756 has 29 MA's), (69, 22777), (101, 22876), (127, 22966), (139, 23002), (174, 23104), (176, 23116), (Start: 298 @23293 has 65 MA's), (341, 23428), (383, 23569), (468, 23782), (470, 23800), (477, 23824), (512, 24025), (549, 24154), (561, 24211), (578, 24271), (587, 24316), (591, 24337), (619, 24457), (639, 24547), (640, 24550), (661, 24655), (671, 24679), (688, 24709), (690, 24712), (758, 24877), (774, 24931),

Gene: QueenBeesly_31 Start: 22638, Stop: 24839, Start Num: 61

Candidate Starts for QueenBeesly_31:

(Start: 61 @22638 has 29 MA's), (69, 22659), (101, 22758), (103, 22764), (110, 22791), (111, 22794), (127, 22848), (139, 22884), (174, 22986), (Start: 298 @23175 has 65 MA's), (340, 23307), (341, 23310), (468, 23664), (470, 23682), (477, 23706), (512, 23907), (520, 23946), (549, 24036), (561, 24093), (578, 24153), (587, 24198), (591, 24219), (613, 24324), (619, 24339), (624, 24363), (632, 24408), (640, 24435), (649, 24480), (671, 24564), (744, 24714), (758, 24762), (767, 24786),

Gene: Quesadilla_31 Start: 30831, Stop: 33335, Start Num: 25

Candidate Starts for Quesadilla_31:

(Start: 25 @30831 has 1 MA's), (37, 30882), (Start: 56 @30930 has 26 MA's), (65, 30948), (84, 31005), (113, 31116), (125, 31143), (139, 31185), (219, 31419), (258, 31500), (261, 31503), (290, 31563), (302, 31590), (349, 31725), (358, 31752), (366, 31773), (391, 31872), (401, 31887), (407, 31905), (418, 31935), (434, 32001), (439, 32016), (445, 32037), (461, 32109), (464, 32124), (467, 32142), (468, 32145), (470, 32163), (479, 32196), (483, 32223), (499, 32328), (506, 32358), (512, 32388), (520, 32427), (523, 32439), (532, 32469), (544, 32505), (549, 32517), (579, 32640), (581, 32643), (582, 32646), (583, 32652), (586, 32676), (619, 32820), (624, 32844), (632, 32889), (639, 32913), (709, 33126), (725, 33162), (758, 33255),

Gene: QuinnKiro_31 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for QuinnKiro_31:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (445, 23946), (450, 23967), (468, 24054), (477, 24096), (518, 24318), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: Rachaly_34 Start: 24354, Stop: 26138, Start Num: 60

Candidate Starts for Rachaly_34:

(Start: 60 @24354 has 32 MA's), (69, 24378), (98, 24468), (101, 24477), (116, 24534), (449, 24882), (450, 24885), (468, 24972), (470, 24990), (477, 25014), (493, 25122), (512, 25215), (518, 25236), (520, 25254), (523, 25266), (549, 25344), (562, 25404), (587, 25506), (591, 25527), (624, 25671), (628, 25686), (660, 25842), (669, 25863), (703, 25935), (715, 25953), (735, 25995), (740, 26016), (758, 26076), (774, 26121),

Gene: Reba_34 Start: 23026, Stop: 24834, Start Num: 50

Candidate Starts for Reba_34:

(Start: 50 @23026 has 18 MA's), (98, 23161), (116, 23227), (131, 23272), (132, 23275), (179, 23422), (282, 23467), (307, 23497), (468, 23665), (470, 23683), (477, 23707), (503, 23869), (512, 23908), (520, 23947), (549, 24037), (587, 24199), (591, 24220), (610, 24307), (628, 24379), (641, 24442), (658, 24517), (660, 24538), (703, 24631), (722, 24670), (740, 24712), (773, 24811),

Gene: Rebeuca_34 Start: 23648, Stop: 25483, Start Num: 54

Candidate Starts for Rebeuca_34:

(Start: 54 @23648 has 25 MA's), (67, 23681), (124, 23858), (187, 24050), (191, 24056), (197, 24077), (204, 24104), (462, 24284), (468, 24317), (470, 24335), (477, 24359), (493, 24467), (520, 24599), (539, 24656), (549, 24689), (561, 24746), (576, 24800), (590, 24869), (613, 24977), (619, 24992), (624, 25016), (628, 25031), (654, 25148), (658, 25166), (660, 25187), (661, 25190), (694, 25265), (703, 25280), (740, 25361), (747, 25391), (758, 25421), (774, 25466), (775, 25469),

Gene: Red305_21 Start: 19724, Stop: 22237, Start Num: 14

Candidate Starts for Red305_21:

(Start: 14 @19724 has 19 MA's), (29, 19787), (53, 19859), (85, 19949), (87, 19955), (107, 20027), (149, 20114), (182, 20219), (187, 20231), (193, 20249), (206, 20288), (217, 20318), (239, 20375), (253, 20405), (258, 20411), (284, 20465), (289, 20471), (343, 20618), (344, 20621), (347, 20630), (353, 20648), (371, 20708), (375, 20717), (378, 20729), (390, 20780), (392, 20783), (440, 20948), (455, 21005), (472, 21089), (477, 21107), (479, 21116), (487, 21179), (509, 21299), (516, 21323), (519, 21344), (523, 21359), (527, 21377), (540, 21407), (562, 21497), (582, 21566), (587, 21599), (591, 21620), (599, 21656), (607, 21692), (617, 21737), (623, 21761), (624, 21767), (628, 21782), (631, 21800), (650, 21887), (656, 21911), (664, 21947), (666, 21953), (678, 21977), (715, 22052), (716, 22055), (752, 22142), (755, 22151), (760, 22157),

Gene: RedRock_35 Start: 25191, Stop: 26969, Start Num: 61

Candidate Starts for RedRock_35:

(Start: 61 @25191 has 29 MA's), (98, 25302), (101, 25311), (111, 25344), (127, 25398), (139, 25434), (143, 25446), (150, 25458), (282, 25605), (Start: 298 @25614 has 65 MA's), (307, 25635), (311, 25647), (449, 25713), (464, 25782), (468, 25803), (470, 25821), (477, 25845), (492, 25944), (493, 25953), (520, 26085), (539, 26142), (549, 26175), (561, 26232), (576, 26286), (590, 26355), (628, 26517), (639, 26571), (658, 26652), (660, 26673), (669, 26694), (703, 26766), (740, 26847),

Gene: Relief_31 Start: 22958, Stop: 24814, Start Num: 205

Candidate Starts for Relief_31:

(Start: 205 @22958 has 143 MA's), (262, 23084), (279, 23108), (331, 23213), (332, 23219), (349, 23267), (369, 23318), (385, 23363), (387, 23369), (427, 23474), (431, 23486), (455, 23564), (469, 23633), (510, 23861), (517, 23885), (518, 23888), (522, 23915), (523, 23918), (552, 24023), (557, 24053), (560, 24068), (585, 24158), (594, 24197), (602, 24242), (639, 24410), (665, 24527), (670, 24533), (687, 24578), (712, 24629), (713, 24632), (741, 24695), (744, 24704), (773, 24791),

Gene: Reptar3000_28 Start: 22013, Stop: 24316, Start Num: 39

Candidate Starts for Reptar3000_28:

(Start: 39 @22013 has 43 MA's), (59, 22061), (63, 22070), (81, 22124), (91, 22157), (123, 22265), (168, 22394), (180, 22445), (185, 22454), (214, 22535), (236, 22592), (267, 22652), (300, 22664), (309, 22679), (312, 22685), (327, 22718), (346, 22766), (379, 22820), (404, 22892), (463, 23072), (480, 23153), (503, 23303), (513, 23345), (522, 23402), (524, 23414), (549, 23519), (562, 23585), (565, 23600), (591, 23696), (624, 23849), (628, 23864), (629, 23870), (632, 23894), (640, 23933), (643, 23945), (662, 24041), (681, 24077), (689, 24092), (691, 24095), (699, 24116), (707, 24131), (741, 24200), (748, 24230), (777, 24308),

Gene: ResDef_32 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for ResDef_32:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (450, 23967), (468, 24054), (477, 24096), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: Retro23_31 Start: 22846, Stop: 25044, Start Num: 61

Candidate Starts for Retro23_31:

(Start: 61 @22846 has 29 MA's), (69, 22867), (101, 22966), (127, 23056), (139, 23092), (174, 23194), (176, 23206), (268, 23317), (Start: 298 @23383 has 65 MA's), (340, 23515), (341, 23518), (362, 23581), (468, 23872), (470, 23890), (477, 23914), (512, 24115), (520, 24154), (549, 24244), (561, 24301), (578, 24361), (587, 24406), (591, 24427), (619, 24547), (639, 24637), (640, 24640), (661, 24745), (688, 24799), (758, 24967), (774, 25021),

Gene: RhynO_34 Start: 23623, Stop: 25455, Start Num: 54

Candidate Starts for RhynO_34:

(Start: 54 @23623 has 25 MA's), (67, 23656), (113, 23806), (124, 23833), (168, 23962), (179, 24007), (189, 24028), (191, 24031), (468, 24292), (470, 24310), (520, 24571), (539, 24628), (549, 24661), (576, 24772), (590, 24841), (611, 24937), (613, 24949), (619, 24964), (624, 24988), (628, 25003), (629, 25009), (632, 25033), (644, 25075), (654, 25120), (658, 25138), (661, 25162), (694, 25237), (703, 25252), (707, 25261), (722, 25291), (740, 25333), (774, 25438), (775, 25441),

Gene: Richo_27 Start: 20230, Stop: 22731, Start Num: 39

Candidate Starts for Richo_27:

(Start: 39 @20230 has 43 MA's), (59, 20278), (80, 20329), (103, 20401), (114, 20452), (121, 20470), (133, 20503), (141, 20524), (144, 20536), (165, 20590), (190, 20668), (201, 20707), (222, 20764), (236, 20800), (259, 20851), (276, 20881), (291, 20896), (302, 20920), (319, 20953), (326, 20974), (327, 20980), (339, 21019), (385, 21172), (393, 21205), (396, 21217), (423, 21280), (447, 21364), (484, 21547), (490, 21601), (498, 21643), (538, 21835), (541, 21841), (549, 21865), (561, 21928), (571, 21967), (589, 22030), (599, 22087), (606, 22120), (609, 22138), (617, 22177), (626, 22216), (628, 22222), (638, 22279), (662, 22393), (690, 22447), (694, 22462), (708, 22492), (716, 22504), (740, 22561), (745, 22579), (754, 22609), (762, 22627), (780, 22708),

Gene: RockieBear_30 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for RockieBear_30:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Rockstar_31 Start: 22769, Stop: 24628, Start Num: 228

Candidate Starts for Rockstar_31:

(Start: 228 @22769 has 32 MA's), (299, 22895), (305, 22913), (314, 22928), (328, 22970), (349, 23033), (400, 23189), (407, 23210), (417, 23237), (436, 23312), (450, 23363), (468, 23450), (470, 23468), (477, 23492), (520, 23732), (539, 23789), (549, 23822), (570, 23915), (578, 23939), (599, 24044), (613, 24110), (619, 24125), (656, 24296), (695, 24401), (725, 24455), (742, 24494), (758, 24548), (767, 24575), (773, 24599),

Gene: Roimos_31 Start: 22808, Stop: 24667, Start Num: 228

Candidate Starts for Roimos_31:

(Start: 228 @22808 has 32 MA's), (299, 22934), (302, 22943), (328, 23009), (334, 23030), (349, 23072), (400, 23228), (417, 23276), (435, 23345), (436, 23351), (445, 23381), (468, 23489), (470, 23507), (477, 23531), (520, 23771), (549, 23861), (578, 23978), (599, 24083), (613, 24149), (619, 24164), (656, 24335), (695, 24440), (725, 24494), (742, 24533), (758, 24587), (767, 24614), (773, 24638),

Gene: Romney_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Romney_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Roosevelt_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Roosevelt_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Rosa24_30 Start: 22935, Stop: 24791, Start Num: 205

Candidate Starts for Rosa24_30:

(Start: 205 @22935 has 143 MA's), (262, 23061), (279, 23085), (349, 23244), (352, 23253), (369, 23295), (385, 23340), (387, 23346), (427, 23451), (431, 23463), (455, 23541), (469, 23610), (498, 23778), (505, 23808), (510, 23838), (518, 23865), (522, 23892), (523, 23895), (552, 24000), (556, 24021), (557, 24030), (585, 24135), (594, 24174), (602, 24219), (637, 24381), (665, 24504), (670, 24510), (741, 24672), (744, 24681),

Gene: Rowdy_37 Start: 23534, Stop: 25366, Start Num: 54

Candidate Starts for Rowdy_37:

(Start: 54 @23534 has 25 MA's), (67, 23567), (113, 23717), (124, 23744), (179, 23918), (189, 23939), (191, 23942), (468, 24203), (470, 24221), (520, 24482), (539, 24539), (549, 24572), (576, 24683), (590, 24752), (611, 24848), (613, 24860), (619, 24875), (624, 24899), (628, 24914), (629, 24920), (632, 24944), (644, 24986), (654, 25031), (658, 25049), (661, 25073), (694, 25148), (703, 25163), (707, 25172), (722, 25202), (740, 25244), (774, 25349), (775, 25352),

Gene: Ruin_31 Start: 22956, Stop: 24812, Start Num: 205

Candidate Starts for Ruin_31:

(Start: 205 @22956 has 143 MA's), (262, 23082), (279, 23106), (331, 23211), (332, 23217), (349, 23265), (352, 23274), (369, 23316), (385, 23361), (387, 23367), (427, 23472), (431, 23484), (455, 23562), (469, 23631), (510, 23859), (517, 23883), (518, 23886), (522, 23913), (523, 23916), (552, 24021), (557, 24051), (560, 24066), (585, 24156), (594, 24195), (602, 24240), (639, 24408), (665, 24525), (670, 24531), (687, 24576), (712, 24627), (713, 24630), (741, 24693), (744, 24702), (773, 24789),

Gene: Rummer_33 Start: 23361, Stop: 25112, Start Num: 298

Candidate Starts for Rummer_33:

(Start: 298 @23361 has 65 MA's), (341, 23496), (363, 23562), (376, 23607), (385, 23643), (422, 23754), (427, 23775), (436, 23811), (444, 23832), (468, 23949), (492, 24087), (509, 24183), (510, 24186), (525, 24255), (537, 24279), (551, 24324), (561, 24372), (579, 24438), (614, 24609), (616, 24615), (629, 24666), (639, 24711), (647, 24741), (658, 24789), (670, 24831), (677, 24846), (678, 24849), (687, 24873), (741, 24975), (742, 24978), (747, 25002),

Gene: RyeScarlet_34 Start: 24381, Stop: 26147, Start Num: 56

Candidate Starts for RyeScarlet_34:

(Start: 56 @24381 has 26 MA's), (62, 24393), (116, 24567), (150, 24657), (169, 24702), (172, 24711), (Start: 298 @24789 has 65 MA's), (308, 24813), (322, 24849), (468, 24978), (470, 24996), (512, 25221), (518, 25242), (520, 25260), (549, 25350), (561, 25407), (590, 25530), (619, 25653), (628, 25692), (639, 25749), (658, 25830), (660, 25851), (661, 25854), (694, 25929), (703, 25944), (747, 26055), (774, 26130),

Gene: Sabertooth_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Sabertooth_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Sabia_33 Start: 23270, Stop: 25027, Start Num: 298

Candidate Starts for Sabia_33:

(Start: 298 @23270 has 65 MA's), (341, 23405), (363, 23471), (376, 23516), (385, 23552), (427, 23684), (436, 23720), (444, 23741), (455, 23798), (468, 23858), (480, 23912), (487, 23972), (509, 24092), (510, 24095), (525, 24164), (537, 24188), (561, 24281), (566, 24302), (579, 24347), (651, 24677), (670, 24746), (695, 24809), (770, 24980),

Gene: Sabinator_33 Start: 23275, Stop: 25032, Start Num: 298

Candidate Starts for Sabinator_33:

(Start: 298 @23275 has 65 MA's), (341, 23410), (363, 23476), (376, 23521), (385, 23557), (427, 23689), (436, 23725), (444, 23746), (455, 23803), (468, 23863), (480, 23917), (487, 23977), (509, 24097), (510, 24100), (525, 24169), (537, 24193), (561, 24286), (566, 24307), (579, 24352), (651, 24682), (670, 24751), (695, 24814), (770, 24985),

Gene: Sachima_31 Start: 24389, Stop: 26143, Start Num: 62

Candidate Starts for Sachima_31:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774, 26126),

Gene: Saguaro_31 Start: 30959, Stop: 33436, Start Num: 27

Candidate Starts for Saguaro_31:

(Start: 27 @30959 has 6 MA's), (31, 30971), (Start: 56 @31055 has 26 MA's), (Start: 60 @31061 has 32 MA's), (65, 31073), (84, 31130), (100, 31181), (139, 31301), (156, 31346), (168, 31382), (175, 31406), (215, 31520), (219, 31535), (261, 31619), (285, 31673), (302, 31706), (310, 31721), (331, 31781), (334, 31793), (337, 31799), (349, 31838), (358, 31865), (366, 31886), (370, 31904), (375, 31919), (391, 31985), (401, 32000), (418, 32048), (434, 32114), (445, 32153), (456, 32207), (468, 32261), (470, 32279), (479, 32312), (497, 32438), (506, 32474), (520, 32543), (523, 32555), (532, 32585), (542, 32609), (549, 32633), (561, 32690), (578, 32750), (579, 32756), (582, 32762), (583, 32768), (584, 32780), (586, 32792), (587, 32795), (590, 32813), (599, 32855), (619, 32936), (621, 32939), (624, 32960), (638, 33026), (640, 33032), (658, 33113), (661, 33137), (722, 33263), (741, 33302), (742, 33305), (744, 33311), (747, 33329), (758, 33359), (766, 33380), (774, 33416),

Gene: Salvus_25 Start: 19700, Stop: 22018, Start Num: 79

Candidate Starts for Salvus_25:

(Start: 79 @19700 has 2 MA's), (139, 19901), (156, 19946), (161, 19958), (196, 20069), (219, 20135), (273, 20249), (292, 20276), (369, 20498), (375, 20516), (384, 20552), (403, 20612), (427, 20687), (442, 20714), (447, 20741), (455, 20777), (467, 20834), (501, 21029), (518, 21098), (520, 21116), (521, 21122), (522, 21125), (523, 21128), (555, 21245), (556, 21251), (575, 21329), (588, 21377), (589, 21380), (604, 21458), (613, 21509), (619, 21524), (622, 21536), (636, 21599), (640, 21620), (645, 21641), (658, 21698), (660, 21719), (678, 21758), (694, 21800), (711, 21833), (713, 21839), (720, 21854), (751, 21938),

Gene: Samty_21 Start: 19727, Stop: 22240, Start Num: 14

Candidate Starts for Samty_21:

(Start: 14 @19727 has 19 MA's), (29, 19790), (53, 19862), (85, 19952), (87, 19958), (107, 20030), (182, 20222), (187, 20234), (193, 20252), (206, 20291), (217, 20321), (239, 20378), (253, 20408), (258, 20414), (284, 20468), (289, 20474), (343, 20621), (344, 20624), (347, 20633), (353, 20651), (371, 20711), (375, 20720), (378, 20732), (390, 20783), (392, 20786), (440, 20951), (455, 21008), (472, 21092), (477, 21110), (479, 21119), (487, 21182), (509, 21302), (519, 21347), (523, 21362), (527, 21380), (540, 21410), (562, 21500), (582, 21569), (587, 21602), (591, 21623), (599, 21659), (607, 21695), (617, 21740), (623, 21764), (624, 21770), (628, 21785), (631, 21803), (638, 21836), (650, 21890), (656, 21914), (664, 21950), (666, 21956), (678, 21980), (752, 22145), (755, 22154), (760, 22160),

Gene: SaturnRing_31 Start: 22838, Stop: 24697, Start Num: 228

Candidate Starts for SaturnRing_31:

(Start: 228 @22838 has 32 MA's), (305, 22982), (314, 22997), (328, 23039), (369, 23162), (382, 23210), (398, 23252), (400, 23258), (407, 23279), (468, 23519), (473, 23549), (483, 23597), (503, 23723), (512, 23762), (520, 23801), (539, 23858), (549, 23891), (587, 24053), (588, 24056), (599, 24113), (613, 24179), (619, 24194), (661, 24395), (722, 24521), (725, 24524), (753, 24605), (758, 24617), (767, 24644), (774, 24674),

Gene: Scamp_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Scamp_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Scherzo_33 Start: 24410, Stop: 26176, Start Num: 56

Candidate Starts for Scherzo_33:

(Start: 56 @24410 has 26 MA's), (62, 24422), (116, 24596), (150, 24686), (169, 24731), (172, 24740), (Start: 298 @24818 has 65 MA's), (308, 24842), (322, 24878), (468, 25007), (470, 25025), (512, 25250), (518, 25271), (520, 25289), (549, 25379), (561, 25436), (590, 25559), (619, 25682), (628, 25721), (639, 25778), (658, 25859), (660, 25880), (661, 25883), (703, 25973), (747, 26084), (774, 26159),

Gene: Scitech_20 Start: 17553, Stop: 20192, Start Num: 9

Candidate Starts for Scitech_20:

(7, 17541), (Start: 9 @17553 has 17 MA's), (11, 17565), (33, 17676), (40, 17700), (42, 17703), (45, 17712), (94, 17850), (105, 17892), (106, 17895), (135, 17985), (137, 17994), (138, 17997), (147, 18018), (152, 18030), (163, 18063), (177, 18117), (202, 18189), (214, 18219), (226, 18255), (250, 18318), (259, 18333), (274, 18360), (279, 18366), (318, 18441), (326, 18465), (327, 18471), (331, 18483), (343, 18525), (345, 18531), (374, 18618), (413, 18750), (419, 18768), (427, 18801), (434, 18828), (447, 18879), (487, 19089), (497, 19155), (505, 19191), (523, 19290), (525, 19302), (545, 19365), (585, 19527), (589, 19542), (599, 19593), (624, 19710), (632, 19755), (643, 19797), (650,

19833), (661, 19887), (682, 19935), (747, 20079), (765, 20136), (774, 20175), (777, 20184),

Gene: Scout_31 Start: 22139, Stop: 23998, Start Num: 228

Candidate Starts for Scout_31:

(Start: 228 @22139 has 32 MA's), (299, 22265), (302, 22274), (328, 22340), (334, 22361), (349, 22403), (400, 22559), (417, 22607), (435, 22676), (436, 22682), (445, 22712), (468, 22820), (470, 22838), (477, 22862), (520, 23102), (549, 23192), (578, 23309), (599, 23414), (613, 23480), (619, 23495), (656, 23666), (695, 23771), (725, 23825), (742, 23864), (758, 23918), (767, 23945), (773, 23969),

Gene: SemperFi_33 Start: 23055, Stop: 25259, Start Num: 61

Candidate Starts for SemperFi_33:

(Start: 61 @23055 has 29 MA's), (69, 23076), (101, 23175), (127, 23265), (139, 23301), (174, 23403), (Start: 298 @23592 has 65 MA's), (341, 23727), (362, 23790), (383, 23868), (468, 24081), (470, 24099), (477, 24123), (512, 24324), (520, 24363), (549, 24453), (561, 24510), (578, 24570), (587, 24615), (591, 24636), (619, 24756), (624, 24780), (640, 24855), (661, 24960), (671, 24984), (688, 25014), (719, 25074), (744, 25134), (758, 25182), (767, 25206), (768, 25209), (774, 25236),

Gene: SenorClean_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for SenorClean_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Severus_31 Start: 21405, Stop: 23687, Start Num: 54

Candidate Starts for Severus_31:

(Start: 54 @21405 has 25 MA's), (67, 21438), (94, 21522), (113, 21588), (161, 21720), (174, 21765), (179, 21789), (189, 21810), (191, 21813), (199, 21843), (207, 21867), (213, 21885), (234, 21942), (260, 22002), (Start: 298 @22080 has 65 MA's), (325, 22155), (351, 22245), (370, 22305), (434, 22371), (468, 22518), (470, 22536), (477, 22560), (500, 22704), (512, 22761), (520, 22800), (524, 22821), (549, 22890), (578, 23007), (587, 23052), (594, 23082), (597, 23100), (599, 23112), (613, 23178), (624, 23217), (628, 23232), (629, 23238), (636, 23271), (639, 23289), (660, 23391), (661, 23394), (687, 23451), (694, 23469), (695, 23472), (703, 23484), (722, 23523), (740, 23565), (741, 23568), (774, 23670),

Gene: SgtBeansprout_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for SgtBeansprout_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: Shadow1_25 Start: 19919, Stop: 22255, Start Num: 20

Candidate Starts for Shadow1_25:

(16, 19886), (Start: 20 @19919 has 36 MA's), (26, 19928), (36, 19976), (38, 19979), (96, 20120), (138, 20159), (174, 20255), (176, 20264), (207, 20354), (249, 20465), (307, 20567), (336, 20648), (345,

20678), (349, 20690), (358, 20717), (363, 20732), (378, 20756), (395, 20816), (420, 20888), (435, 20954), (458, 21044), (468, 21086), (471, 21107), (474, 21119), (479, 21137), (491, 21224), (503, 21287), (509, 21320), (525, 21392), (563, 21521), (587, 21614), (590, 21632), (646, 21878), (653, 21911), (687, 22016), (694, 22034), (742, 22121), (747, 22145), (763, 22187), (777, 22247),

Gene: Shaka_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Shaka_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Shaobing_27 Start: 20230, Stop: 22731, Start Num: 39

Candidate Starts for Shaobing_27:

(Start: 39 @20230 has 43 MA's), (59, 20278), (80, 20329), (103, 20401), (114, 20452), (121, 20470), (133, 20503), (141, 20524), (144, 20536), (165, 20590), (190, 20668), (201, 20707), (222, 20764), (236, 20800), (259, 20851), (276, 20881), (291, 20896), (302, 20920), (319, 20953), (326, 20974), (327, 20980), (339, 21019), (385, 21172), (393, 21205), (396, 21217), (423, 21280), (447, 21364), (484, 21547), (490, 21601), (498, 21643), (538, 21835), (541, 21841), (549, 21865), (561, 21928), (562, 21931), (571, 21967), (589, 22030), (599, 22087), (606, 22120), (609, 22138), (617, 22177), (626, 22216), (628, 22222), (638, 22279), (662, 22393), (690, 22447), (694, 22462), (708, 22492), (716, 22504), (740, 22561), (745, 22579), (754, 22609), (762, 22627), (780, 22708),

Gene: Shapes_37 Start: 23534, Stop: 25366, Start Num: 54

Candidate Starts for Shapes_37:

(Start: 54 @23534 has 25 MA's), (67, 23567), (113, 23717), (124, 23744), (179, 23918), (189, 23939), (191, 23942), (468, 24203), (470, 24221), (520, 24482), (539, 24539), (549, 24572), (576, 24683), (590, 24752), (611, 24848), (613, 24860), (619, 24875), (624, 24899), (628, 24914), (629, 24920), (632, 24944), (644, 24986), (654, 25031), (658, 25049), (661, 25073), (694, 25148), (703, 25163), (707, 25172), (722, 25202), (740, 25244), (774, 25349), (775, 25352),

Gene: ShedlockHolmes_26 Start: 21295, Stop: 23643, Start Num: 20

Candidate Starts for ShedlockHolmes_26:

(Start: 20 @21295 has 36 MA's), (32, 21322), (38, 21355), (59, 21400), (167, 21619), (179, 21664), (193, 21700), (199, 21718), (Start: 228 @21796 has 32 MA's), (249, 21844), (319, 21976), (336, 22030), (341, 22045), (382, 22153), (420, 22270), (429, 22312), (431, 22318), (432, 22327), (435, 22336), (446, 22381), (455, 22417), (458, 22435), (468, 22477), (471, 22498), (477, 22519), (479, 22528), (491, 22615), (508, 22708), (509, 22711), (525, 22783), (579, 22966), (590, 23023), (611, 23122), (615, 23140), (629, 23194), (636, 23224), (638, 23239), (639, 23242), (642, 23251), (646, 23269), (647, 23275), (653, 23302), (658, 23323), (663, 23353), (682, 23398), (687, 23407), (747, 23536), (763, 23575), (764, 23578),

Gene: SheldonCooper_32 Start: 23275, Stop: 25131, Start Num: 205

Candidate Starts for SheldonCooper_32:

(Start: 205 @23275 has 143 MA's), (262, 23401), (279, 23425), (331, 23530), (332, 23536), (349, 23584), (369, 23635), (387, 23686), (427, 23791), (431, 23803), (455, 23881), (469, 23950), (498, 24118), (505, 24148), (510, 24178), (517, 24202), (518, 24205), (522, 24232), (523, 24235), (552, 24340), (556, 24361), (557, 24370), (594, 24514), (602, 24559), (637, 24721), (665, 24844), (687, 24895), (741, 25012), (744, 25021), (773, 25108),

Gene: Shweta_20 Start: 17560, Stop: 20199, Start Num: 9

Candidate Starts for Shweta_20:

(7, 17548), (Start: 9 @17560 has 17 MA's), (11, 17572), (33, 17683), (40, 17707), (42, 17710), (45, 17719), (94, 17857), (105, 17899), (106, 17902), (135, 17992), (137, 18001), (138, 18004), (147, 18025), (152, 18037), (163, 18070), (177, 18124), (202, 18196), (214, 18226), (226, 18262), (250, 18325), (259, 18340), (274, 18367), (279, 18373), (318, 18448), (326, 18472), (327, 18478), (331, 18490), (343, 18532), (345, 18538), (377, 18637), (413, 18757), (419, 18775), (427, 18808), (434, 18835), (447, 18886), (487, 19096), (497, 19162), (505, 19198), (523, 19297), (525, 19309), (545, 19372), (585, 19534), (589, 19549), (599, 19600), (624, 19717), (632, 19762), (643, 19804), (650, 19840), (661, 19894), (682, 19942), (747, 20086), (765, 20143), (774, 20182), (777, 20191),

Gene: Shygu2_31 Start: 22966, Stop: 24825, Start Num: 205

Candidate Starts for Shygu2_31:

(181, 22903), (Start: 205 @22966 has 143 MA's), (225, 23014), (230, 23032), (279, 23116), (296, 23134), (315, 23179), (319, 23191), (385, 23371), (408, 23431), (427, 23482), (431, 23494), (455, 23572), (469, 23641), (510, 23869), (518, 23896), (522, 23923), (523, 23926), (552, 24034), (556, 24055), (557, 24064), (575, 24133), (585, 24169), (594, 24208), (637, 24415), (665, 24538), (687, 24589), (741, 24706), (744, 24715),

Gene: SkinnyPete_20 Start: 17557, Stop: 20202, Start Num: 9

Candidate Starts for SkinnyPete_20:

(7, 17545), (Start: 9 @17557 has 17 MA's), (11, 17569), (33, 17680), (40, 17704), (42, 17707), (45, 17716), (66, 17764), (135, 17989), (138, 18001), (147, 18022), (163, 18067), (177, 18121), (202, 18199), (214, 18229), (226, 18265), (235, 18286), (240, 18301), (259, 18343), (279, 18376), (318, 18451), (326, 18475), (327, 18481), (331, 18493), (343, 18535), (345, 18541), (377, 18640), (413, 18760), (419, 18778), (427, 18811), (434, 18838), (447, 18889), (487, 19099), (497, 19165), (505, 19201), (525, 19312), (545, 19375), (585, 19537), (589, 19552), (599, 19603), (624, 19720), (632, 19765), (643, 19807), (650, 19843), (661, 19897), (682, 19945), (747, 20089), (765, 20146), (774, 20185), (777, 20194),

Gene: Skipitt_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for Skipitt_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Sknot_31 Start: 22776, Stop: 24998, Start Num: 60

Candidate Starts for Sknot_31:

(Start: 60 @22776 has 32 MA's), (98, 22890), (103, 22905), (143, 23037), (179, 23151), (189, 23172), (199, 23205), (Start: 298 @23316 has 65 MA's), (313, 23355), (341, 23451), (374, 23553), (468, 23802), (473, 23832), (477, 23844), (506, 24015), (520, 24084), (549, 24183), (576, 24294), (578, 24300), (579, 24306), (587, 24345), (598, 24402), (599, 24405), (613, 24471), (632, 24555), (649, 24627), (683, 24747), (739, 24858), (753, 24909), (758, 24921),

Gene: Slarp_28 Start: 22283, Stop: 24592, Start Num: 39

Candidate Starts for Slarp_28:

(Start: 39 @22283 has 43 MA's), (81, 22394), (88, 22418), (123, 22535), (168, 22664), (180, 22715), (185, 22724), (Start: 198 @22757 has 11 MA's), (209, 22796), (214, 22805), (236, 22862), (238, 22871), (267, 22922), (300, 22934), (309, 22949), (312, 22955), (327, 22988), (346, 23036), (379, 23090), (404, 23162), (419, 23201), (424, 23213), (431, 23228), (447, 23273), (463, 23342), (480, 23423), (503, 23576), (522, 23675), (524, 23687), (549, 23792), (562, 23858), (565, 23873), (591,

23969), (624, 24122), (628, 24137), (629, 24143), (632, 24167), (640, 24206), (643, 24218), (662, 24314), (691, 24368), (699, 24389), (741, 24476), (748, 24506), (777, 24584),

Gene: Smeagan_33 Start: 23263, Stop: 25350, Start Num: 60

Candidate Starts for Smeagan_33:

(Start: 60 @23263 has 32 MA's), (98, 23377), (101, 23386), (103, 23392), (110, 23419), (127, 23476), (174, 23614), (Start: 298 @23803 has 65 MA's), (341, 23938), (355, 23980), (374, 24040), (464, 24154), (468, 24175), (470, 24193), (477, 24217), (493, 24325), (512, 24418), (518, 24439), (520, 24457), (549, 24547), (561, 24604), (562, 24607), (578, 24664), (579, 24670), (587, 24709), (591, 24730), (632, 24919), (638, 24940), (661, 25051), (732, 25189), (750, 25255), (758, 25273), (778, 25342),

Gene: SnapTap_31 Start: 22698, Stop: 24902, Start Num: 61

Candidate Starts for SnapTap_31:

(Start: 61 @22698 has 29 MA's), (69, 22719), (103, 22824), (127, 22908), (139, 22944), (174, 23046), (176, 23058), (Start: 298 @23235 has 65 MA's), (341, 23370), (362, 23433), (468, 23724), (470, 23742), (477, 23766), (498, 23904), (512, 23967), (520, 24006), (549, 24096), (561, 24153), (578, 24213), (587, 24258), (591, 24279), (619, 24399), (624, 24423), (632, 24468), (649, 24540), (661, 24600), (742, 24771), (758, 24825), (768, 24852), (774, 24879),

Gene: Snesia_21 Start: 19725, Stop: 22238, Start Num: 14

Candidate Starts for Snesia_21:

(Start: 14 @19725 has 19 MA's), (29, 19788), (53, 19860), (85, 19950), (87, 19956), (107, 20028), (149, 20115), (182, 20220), (187, 20232), (193, 20250), (206, 20289), (217, 20319), (239, 20376), (253, 20406), (258, 20412), (284, 20466), (289, 20472), (343, 20619), (344, 20622), (347, 20631), (353, 20649), (371, 20709), (375, 20718), (378, 20730), (390, 20781), (392, 20784), (440, 20949), (455, 21006), (472, 21090), (477, 21108), (479, 21117), (487, 21180), (509, 21300), (516, 21324), (519, 21345), (523, 21360), (527, 21378), (540, 21408), (562, 21498), (582, 21567), (587, 21600), (591, 21621), (599, 21657), (607, 21693), (617, 21738), (623, 21762), (624, 21768), (628, 21783), (631, 21801), (650, 21888), (656, 21912), (664, 21948), (666, 21954), (678, 21978), (715, 22053), (716, 22056), (752, 22143), (755, 22152), (760, 22158),

Gene: Snickers_33 Start: 23251, Stop: 25008, Start Num: 298

Candidate Starts for Snickers_33:

(Start: 298 @23251 has 65 MA's), (341, 23386), (363, 23452), (376, 23497), (385, 23533), (427, 23665), (436, 23701), (444, 23722), (455, 23779), (468, 23839), (480, 23893), (487, 23953), (509, 24073), (510, 24076), (525, 24145), (537, 24169), (561, 24262), (566, 24283), (579, 24328), (651, 24658), (670, 24727), (695, 24790), (770, 24961),

Gene: SoYo_33 Start: 23188, Stop: 24945, Start Num: 298

Candidate Starts for SoYo_33:

(Start: 298 @23188 has 65 MA's), (341, 23323), (363, 23389), (376, 23434), (385, 23470), (427, 23602), (436, 23638), (444, 23659), (455, 23716), (468, 23776), (480, 23830), (487, 23890), (509, 24010), (510, 24013), (525, 24082), (537, 24106), (561, 24199), (566, 24220), (579, 24265), (651, 24595), (670, 24664), (695, 24727), (770, 24898),

Gene: SoilDragon_33 Start: 22965, Stop: 24770, Start Num: 50

Candidate Starts for SoilDragon_33:

(Start: 50 @22965 has 18 MA's), (98, 23100), (116, 23166), (131, 23211), (143, 23247), (169, 23319), (179, 23361), (282, 23406), (307, 23436), (468, 23604), (470, 23622), (477, 23646), (498, 23784), (503, 23808), (512, 23847), (520, 23886), (549, 23976), (587, 24138), (591, 24159), (610, 24246), (628, 24318), (634, 24348), (644, 24390), (658, 24453), (661, 24477), (694, 24552), (703, 24567), (722, 24606), (740, 24648), (774, 24753),

Gene: SororFago_31 Start: 21994, Stop: 24447, Start Num: 19

Candidate Starts for SororFago_31:

(Start: 19 @21994 has 3 MA's), (96, 22210), (115, 22267), (134, 22288), (195, 22453), (245, 22588), (348, 22843), (349, 22846), (371, 22909), (377, 22927), (383, 22954), (387, 22966), (397, 23008), (398, 23011), (464, 23245), (469, 23275), (470, 23284), (493, 23416), (506, 23479), (519, 23545), (520, 23548), (549, 23647), (566, 23725), (578, 23764), (587, 23809), (599, 23869), (612, 23935), (618, 23950), (638, 24040), (640, 24046), (656, 24121), (680, 24190), (753, 24355), (761, 24373), (767, 24400),

Gene: Soshari_35 Start: 23360, Stop: 25111, Start Num: 298

Candidate Starts for Soshari_35:

(Start: 298 @23360 has 65 MA's), (341, 23495), (360, 23552), (363, 23561), (376, 23606), (385, 23642), (422, 23753), (427, 23774), (436, 23810), (444, 23831), (468, 23948), (492, 24086), (509, 24182), (510, 24185), (525, 24254), (537, 24278), (551, 24323), (561, 24371), (579, 24437), (614, 24608), (616, 24614), (629, 24665), (639, 24710), (647, 24740), (658, 24788), (670, 24830), (677, 24845), (678, 24848), (687, 24872), (741, 24974), (742, 24977), (747, 25001),

Gene: Sparxx_31 Start: 22958, Stop: 24814, Start Num: 205

Candidate Starts for Sparxx_31:

(Start: 205 @22958 has 143 MA's), (262, 23084), (279, 23108), (331, 23213), (332, 23219), (349, 23267), (352, 23276), (369, 23318), (385, 23363), (387, 23369), (427, 23474), (431, 23486), (455, 23564), (469, 23633), (510, 23861), (517, 23885), (518, 23888), (522, 23915), (523, 23918), (552, 24023), (557, 24053), (560, 24068), (585, 24158), (594, 24197), (599, 24224), (602, 24242), (624, 24341), (665, 24527), (687, 24578), (713, 24632), (741, 24695), (744, 24704), (773, 24791),

Gene: Spike509_33 Start: 23361, Stop: 25112, Start Num: 298

Candidate Starts for Spike509_33:

(Start: 298 @23361 has 65 MA's), (341, 23496), (363, 23562), (376, 23607), (385, 23643), (422, 23754), (427, 23775), (436, 23811), (444, 23832), (468, 23949), (492, 24087), (509, 24183), (510, 24186), (525, 24255), (537, 24279), (551, 24324), (561, 24372), (579, 24438), (613, 24606), (614, 24609), (616, 24615), (629, 24666), (639, 24711), (647, 24741), (658, 24789), (670, 24831), (677, 24846), (678, 24849), (687, 24873), (741, 24975), (742, 24978), (747, 25002),

Gene: Spino_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Spino_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Spouty_33 Start: 24443, Stop: 26209, Start Num: 56

Candidate Starts for Spouty_33:

(Start: 56 @24443 has 26 MA's), (116, 24629), (150, 24719), (169, 24764), (172, 24773), (Start: 298 @24851 has 65 MA's), (308, 24875), (322, 24911), (468, 25040), (470, 25058), (512, 25283), (518, 25304), (520, 25322), (549, 25412), (561, 25469), (590, 25592), (619, 25715), (628, 25754), (639, 25811), (658, 25892), (660, 25913), (661, 25916), (703, 26006), (747, 26117), (774, 26192),

Gene: Squirty_19 Start: 17305, Stop: 19920, Start Num: 8

Candidate Starts for Squirty_19:

(Start: 8 @17305 has 1 MA's), (11, 17326), (13, 17347), (Start: 17 @17386 has 2 MA's), (35, 17455), (40, 17464), (42, 17467), (47, 17485), (66, 17518), (74, 17533), (112, 17635), (130, 17692), (137, 17716), (159, 17773), (178, 17848), (203, 17920), (226, 17983), (231, 17998), (242, 18022), (250, 18046), (259, 18061), (266, 18070), (279, 18097), (283, 18103), (308, 18148), (318, 18172), (326, 18193), (327, 18199), (330, 18208), (338, 18235), (360, 18301), (365, 18313), (374, 18346), (377, 18358), (413, 18478), (419, 18496), (427, 18529), (447, 18607), (469, 18712), (479, 18754), (515, 18973), (521, 19012), (522, 19015), (525, 19030), (545, 19093), (556, 19141), (585, 19255), (591, 19285), (597, 19312), (599, 19321), (624, 19438), (632, 19483), (643, 19525), (658, 19591), (661, 19615), (682, 19663), (685, 19669), (690, 19675), (694, 19690), (738, 19774), (748, 19813), (774, 19903), (777, 19912),

Gene: Stagni_33 Start: 23279, Stop: 25036, Start Num: 298

Candidate Starts for Stagni_33:

(Start: 298 @23279 has 65 MA's), (341, 23414), (363, 23480), (376, 23525), (385, 23561), (427, 23693), (436, 23729), (444, 23750), (455, 23807), (468, 23867), (480, 23921), (487, 23981), (509, 24101), (510, 24104), (525, 24173), (537, 24197), (561, 24290), (566, 24311), (579, 24356), (651, 24686), (670, 24755), (695, 24818), (770, 24989),

Gene: Stasia_32 Start: 23404, Stop: 25242, Start Num: 54

Candidate Starts for Stasia_32:

(Start: 54 @23404 has 25 MA's), (78, 23470), (98, 23530), (116, 23596), (127, 23629), (137, 23659), (139, 23665), (158, 23713), (173, 23764), (282, 23836), (436, 23938), (468, 24076), (470, 24094), (520, 24358), (549, 24448), (587, 24610), (591, 24631), (611, 24724), (619, 24751), (624, 24775), (628, 24790), (658, 24925), (661, 24949), (669, 24967), (703, 25039), (740, 25120),

Gene: SteMason_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for SteMason_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: StepMih_33 Start: 23270, Stop: 25027, Start Num: 298

Candidate Starts for StepMih_33:

(Start: 298 @23270 has 65 MA's), (341, 23405), (363, 23471), (376, 23516), (385, 23552), (427, 23684), (436, 23720), (444, 23741), (455, 23798), (468, 23858), (480, 23912), (487, 23972), (509, 24092), (510, 24095), (525, 24164), (537, 24188), (561, 24281), (566, 24302), (579, 24347), (651, 24677), (670, 24746), (695, 24809), (770, 24980),

Gene: Stink_32 Start: 23240, Stop: 25099, Start Num: 205

Candidate Starts for Stink_32:

(Start: 205 @23240 has 143 MA's), (230, 23306), (279, 23390), (296, 23408), (315, 23453), (332, 23501), (352, 23558), (369, 23600), (387, 23651), (394, 23672), (408, 23705), (427, 23756), (431, 23768), (450, 23822), (455, 23846), (469, 23915), (510, 24143), (518, 24170), (522, 24197), (523, 24200), (552, 24308), (556, 24329), (557, 24338), (575, 24407), (585, 24443), (594, 24482), (608, 24551), (637, 24689), (665, 24812), (670, 24818), (741, 24980), (744, 24989),

Gene: StressBall_21 Start: 18926, Stop: 21559, Start Num: 9

Candidate Starts for StressBall_21:

(Start: 9 @18926 has 17 MA's), (10, 18935), (42, 19079), (135, 19352), (138, 19364), (147, 19385), (155, 19409), (177, 19484), (202, 19556), (214, 19586), (226, 19622), (250, 19685), (259, 19700),

(274, 19727), (279, 19733), (318, 19808), (326, 19832), (327, 19838), (331, 19850), (343, 19892), (345, 19898), (374, 19985), (380, 20006), (385, 20030), (404, 20096), (413, 20117), (419, 20135), (427, 20168), (433, 20192), (434, 20195), (447, 20246), (469, 20351), (479, 20393), (505, 20558), (522, 20654), (545, 20732), (547, 20744), (569, 20834), (585, 20894), (587, 20903), (597, 20951), (599, 20960), (624, 21077), (632, 21122), (643, 21164), (658, 21230), (661, 21254), (682, 21302), (685, 21308), (690, 21314), (738, 21413), (741, 21422), (748, 21452), (774, 21542), (777, 21551),

Gene: Strobilo_23 Start: 18661, Stop: 21000, Start Num: 20

Candidate Starts for Strobilo_23:

(Start: 20 @18661 has 36 MA's), (83, 18832), (88, 18850), (135, 18901), (176, 19018), (189, 19051), (237, 19180), (243, 19189), (249, 19204), (255, 19216), (263, 19225), (289, 19273), (331, 19369), (336, 19387), (343, 19408), (358, 19453), (395, 19555), (420, 19627), (429, 19669), (432, 19684), (454, 19771), (458, 19792), (468, 19834), (471, 19855), (491, 19972), (493, 19981), (500, 20017), (509, 20068), (510, 20071), (523, 20125), (525, 20137), (534, 20161), (562, 20257), (566, 20275), (573, 20302), (587, 20359), (629, 20548), (636, 20578), (647, 20629), (650, 20647), (658, 20677), (675, 20731), (687, 20761), (695, 20782), (756, 20914),

Gene: Sultana_31 Start: 22961, Stop: 24817, Start Num: 205

Candidate Starts for Sultana_31:

(Start: 205 @22961 has 143 MA's), (262, 23087), (279, 23111), (331, 23216), (332, 23222), (349, 23270), (369, 23321), (385, 23366), (387, 23372), (427, 23477), (431, 23489), (455, 23567), (469, 23636), (510, 23864), (517, 23888), (518, 23891), (522, 23918), (523, 23921), (552, 24026), (556, 24047), (557, 24056), (585, 24161), (594, 24200), (602, 24245), (637, 24407), (639, 24413), (665, 24530), (670, 24536), (687, 24581), (712, 24632), (713, 24635), (741, 24698), (744, 24707), (773, 24794),

Gene: Sunflower1121_25 Start: 19931, Stop: 22267, Start Num: 20

Candidate Starts for Sunflower1121_25:

(16, 19898), (Start: 20 @19931 has 36 MA's), (26, 19940), (36, 19988), (38, 19991), (96, 20132), (138, 20171), (174, 20267), (207, 20366), (249, 20477), (307, 20579), (336, 20660), (345, 20690), (349, 20702), (358, 20729), (363, 20744), (378, 20768), (395, 20828), (420, 20900), (435, 20966), (458, 21056), (468, 21098), (471, 21119), (479, 21149), (491, 21236), (503, 21299), (509, 21332), (525, 21404), (563, 21533), (587, 21626), (590, 21644), (646, 21890), (653, 21923), (687, 22028), (694, 22046), (742, 22133), (747, 22157), (763, 22199), (777, 22259),

Gene: SweetiePie_31 Start: 22698, Stop: 24902, Start Num: 61

Candidate Starts for SweetiePie_31:

(Start: 61 @22698 has 29 MA's), (69, 22719), (103, 22824), (127, 22908), (139, 22944), (174, 23046), (176, 23058), (Start: 298 @23235 has 65 MA's), (341, 23370), (468, 23724), (470, 23742), (477, 23766), (498, 23904), (512, 23967), (520, 24006), (549, 24096), (561, 24153), (578, 24213), (587, 24258), (591, 24279), (619, 24399), (624, 24423), (632, 24468), (649, 24540), (661, 24600), (742, 24771), (758, 24825), (768, 24852), (774, 24879),

Gene: Syra333_26 Start: 20027, Stop: 22357, Start Num: 20

Candidate Starts for Syra333_26:

(Start: 20 @20027 has 36 MA's), (38, 20087), (88, 20216), (96, 20228), (138, 20267), (174, 20363), (176, 20372), (207, 20462), (221, 20501), (237, 20549), (249, 20573), (253, 20582), (307, 20675), (313, 20690), (336, 20756), (345, 20786), (349, 20798), (358, 20825), (363, 20840), (378, 20864), (395, 20924), (410, 20969), (420, 20996), (428, 21035), (432, 21053), (435, 21062), (454, 21131), (455, 21134), (458, 21152), (468, 21194), (471, 21215), (477, 21236), (479, 21245), (484, 21281), (491, 21332), (509, 21428), (525, 21497), (549, 21557), (563, 21626), (566, 21635), (579, 21680), (587, 21719), (590, 21737), (597, 21767), (629, 21908), (638, 21953), (646, 21983), (650, 22007), (653, 22016), (658, 22037), (663, 22067), (747, 22250), (759, 22277), (763, 22289), (777, 22349),

Gene: TBond007_26 Start: 21085, Stop: 23436, Start Num: 20

Candidate Starts for TBond007_26:

(Start: 20 @21085 has 36 MA's), (32, 21112), (38, 21145), (80, 21250), (167, 21409), (179, 21454), (193, 21490), (199, 21508), (Start: 228 @21586 has 32 MA's), (249, 21634), (319, 21766), (336, 21820), (341, 21835), (382, 21943), (420, 22060), (429, 22102), (431, 22108), (432, 22117), (435, 22126), (455, 22207), (458, 22225), (468, 22267), (471, 22288), (477, 22309), (479, 22318), (491, 22405), (508, 22498), (509, 22501), (525, 22573), (565, 22708), (566, 22711), (579, 22756), (587, 22795), (590, 22813), (611, 22912), (615, 22930), (629, 22984), (636, 23014), (639, 23032), (646, 23059), (647, 23065), (658, 23113), (682, 23188), (687, 23197), (695, 23218), (701, 23227), (747, 23326), (763, 23368),

Gene: TClif_26 Start: 20078, Stop: 22420, Start Num: 20

Candidate Starts for TClif_26:

(Start: 20 @20078 has 36 MA's), (34, 20126), (57, 20177), (83, 20249), (89, 20270), (174, 20417), (176, 20426), (192, 20471), (249, 20627), (253, 20636), (307, 20729), (313, 20744), (331, 20792), (336, 20810), (340, 20825), (345, 20840), (358, 20879), (363, 20894), (378, 20918), (395, 20978), (415, 21035), (420, 21050), (432, 21107), (454, 21188), (458, 21209), (468, 21251), (471, 21272), (477, 21293), (488, 21377), (491, 21389), (503, 21452), (509, 21485), (516, 21509), (520, 21533), (525, 21557), (549, 21617), (558, 21665), (579, 21740), (587, 21779), (590, 21797), (615, 21914), (629, 21968), (646, 22043), (658, 22097), (682, 22172), (695, 22202), (721, 22247), (777, 22412),

Gene: TM4_23 Start: 18727, Stop: 21081, Start Num: 20

Candidate Starts for TM4_23:

(Start: 20 @18727 has 36 MA's), (70, 18859), (176, 19084), (192, 19129), (249, 19270), (263, 19291), (289, 19339), (343, 19474), (349, 19492), (358, 19519), (363, 19534), (395, 19621), (420, 19693), (429, 19735), (431, 19741), (434, 19756), (435, 19759), (446, 19795), (471, 19912), (477, 19933), (507, 20104), (509, 20125), (531, 20221), (540, 20242), (551, 20275), (566, 20350), (568, 20356), (579, 20395), (583, 20407), (587, 20434), (590, 20452), (614, 20566), (623, 20596), (624, 20602), (632, 20647), (638, 20668), (649, 20719), (662, 20782), (692, 20848), (702, 20869), (714, 20890), (732, 20926), (777, 21073),

Gene: TNguyen7_31 Start: 22806, Stop: 24665, Start Num: 228

Candidate Starts for TNguyen7_31:

(Start: 228 @22806 has 32 MA's), (305, 22950), (314, 22965), (328, 23007), (369, 23130), (382, 23178), (398, 23220), (400, 23226), (407, 23247), (468, 23487), (473, 23517), (483, 23565), (503, 23691), (512, 23730), (520, 23769), (539, 23826), (549, 23859), (587, 24021), (588, 24024), (599, 24081), (613, 24147), (619, 24162), (661, 24363), (722, 24489), (725, 24492), (753, 24573), (758, 24585), (767, 24612), (774, 24642),

Gene: Taquarus_31 Start: 22963, Stop: 24819, Start Num: 205

Candidate Starts for Taquarus_31:

(Start: 205 @22963 has 143 MA's), (262, 23089), (279, 23113), (331, 23218), (332, 23224), (349, 23272), (352, 23281), (369, 23323), (385, 23368), (387, 23374), (427, 23479), (431, 23491), (455, 23569), (469, 23638), (510, 23866), (517, 23890), (518, 23893), (522, 23920), (523, 23923), (552, 24028), (557, 24058), (560, 24073), (585, 24163), (594, 24202), (602, 24247), (639, 24415), (665, 24532), (670, 24538), (687, 24583), (712, 24634), (713, 24637), (741, 24700), (744, 24709), (773, 24796),

Gene: TarsusIV_31 Start: 22846, Stop: 25041, Start Num: 61

Candidate Starts for TarsusIV_31:

(Start: 61 @22846 has 29 MA's), (69, 22867), (98, 22957), (101, 22966), (116, 23023), (173, 23191), (174, 23194), (179, 23218), (199, 23272), (Start: 298 @23383 has 65 MA's), (313, 23422), (341,

23518), (353, 23554), (383, 23659), (468, 23869), (470, 23887), (512, 24112), (523, 24163), (549, 24241), (561, 24298), (587, 24403), (591, 24424), (598, 24460), (613, 24529), (624, 24568), (632, 24613), (640, 24640), (656, 24715), (661, 24745), (671, 24769), (744, 24919), (752, 24952), (758, 24967),

Gene: Taurus_33 Start: 23276, Stop: 25033, Start Num: 298

Candidate Starts for Taurus_33:

(Start: 298 @23276 has 65 MA's), (341, 23411), (363, 23477), (376, 23522), (385, 23558), (427, 23690), (436, 23726), (444, 23747), (455, 23804), (468, 23864), (480, 23918), (487, 23978), (509, 24098), (510, 24101), (525, 24170), (537, 24194), (561, 24287), (566, 24308), (579, 24353), (651, 24683), (670, 24752), (695, 24815), (770, 24986),

Gene: Teejan_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Teejan_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: Terrific_35 Start: 23230, Stop: 25437, Start Num: 60

Candidate Starts for Terrific_35:

(Start: 60 @23230 has 32 MA's), (98, 23344), (103, 23359), (108, 23380), (143, 23491), (174, 23581), (176, 23593), (Start: 298 @23770 has 65 MA's), (313, 23809), (341, 23905), (449, 24166), (468, 24256), (473, 24286), (477, 24298), (510, 24496), (549, 24637), (553, 24658), (576, 24748), (578, 24754), (579, 24760), (587, 24799), (591, 24820), (598, 24856), (599, 24859), (613, 24925), (619, 24940), (621, 24943), (624, 24964), (631, 24997), (661, 25141), (683, 25189), (690, 25198), (718, 25252), (744, 25312), (758, 25360), (774, 25414),

Gene: Texage_31 Start: 23374, Stop: 25233, Start Num: 228

Candidate Starts for Texage_31:

(Start: 228 @23374 has 32 MA's), (305, 23518), (316, 23536), (328, 23575), (334, 23596), (349, 23638), (355, 23656), (407, 23815), (417, 23842), (445, 23947), (450, 23968), (468, 24055), (477, 24097), (520, 24337), (549, 24427), (561, 24484), (599, 24649), (611, 24703), (613, 24715), (619, 24730), (648, 24859), (649, 24871), (661, 24931), (665, 24943), (690, 24988), (695, 25006), (758, 25153), (767, 25180), (774, 25210),

Gene: Thanksgivukkah_31 Start: 22961, Stop: 24817, Start Num: 205

Candidate Starts for Thanksgivukkah_31:

(Start: 205 @22961 has 143 MA's), (262, 23087), (279, 23111), (331, 23216), (332, 23222), (349, 23270), (352, 23279), (369, 23321), (385, 23366), (387, 23372), (427, 23477), (431, 23489), (455, 23567), (469, 23636), (510, 23864), (517, 23888), (518, 23891), (522, 23918), (523, 23921), (552, 24026), (557, 24056), (560, 24071), (585, 24161), (594, 24200), (602, 24245), (639, 24413), (665, 24530), (670, 24536), (687, 24581), (712, 24632), (713, 24635), (741, 24698), (744, 24707), (773, 24794),

Gene: Thonko_29 Start: 27164, Stop: 29614, Start Num: 27

Candidate Starts for Thonko_29:

(Start: 27 @27164 has 6 MA's), (46, 27230), (Start: 56 @27257 has 26 MA's), (66, 27278), (153, 27530), (183, 27626), (187, 27635), (215, 27713), (219, 27728), (248, 27785), (261, 27812), (280,

27857), (285, 27863), (302, 27896), (331, 27956), (337, 27977), (344, 28001), (366, 28064), (388, 28151), (401, 28178), (434, 28292), (468, 28439), (470, 28457), (502, 28640), (506, 28652), (520, 28721), (523, 28733), (539, 28778), (581, 28937), (582, 28940), (586, 28970), (621, 29117), (624, 29138), (632, 29183), (640, 29210), (688, 29369), (694, 29387), (725, 29444), (742, 29483), (753, 29525), (758, 29537), (766, 29558), (773, 29588), (774, 29594),

Gene: Tierra_26 Start: 20767, Stop: 23103, Start Num: 20

Candidate Starts for Tierra_26:

(Start: 20 @20767 has 36 MA's), (34, 20815), (36, 20824), (83, 20938), (88, 20956), (138, 21007), (174, 21103), (176, 21112), (207, 21202), (210, 21214), (249, 21313), (253, 21322), (307, 21415), (336, 21496), (345, 21526), (349, 21538), (358, 21565), (363, 21580), (378, 21604), (395, 21664), (410, 21709), (420, 21736), (428, 21775), (432, 21793), (435, 21802), (454, 21871), (455, 21874), (458, 21892), (468, 21934), (471, 21955), (479, 21985), (503, 22135), (509, 22168), (513, 22177), (525, 22240), (544, 22288), (549, 22300), (563, 22369), (570, 22393), (579, 22423), (587, 22462), (629, 22651), (646, 22726), (658, 22780), (687, 22864), (694, 22882), (742, 22969), (747, 22993), (763, 23035), (777, 23095),

Gene: Tiffany_33 Start: 23171, Stop: 24922, Start Num: 298

Candidate Starts for Tiffany_33:

(Start: 298 @23171 has 65 MA's), (341, 23306), (363, 23372), (376, 23417), (385, 23453), (409, 23525), (416, 23543), (436, 23621), (444, 23642), (455, 23699), (468, 23759), (492, 23897), (509, 23993), (510, 23996), (525, 24065), (537, 24089), (551, 24134), (561, 24182), (579, 24248), (614, 24419), (616, 24425), (629, 24476), (639, 24521), (658, 24599), (670, 24641), (687, 24683), (741, 24785), (742, 24788), (747, 24812),

Gene: Tigress9_26 Start: 20014, Stop: 22350, Start Num: 20

Candidate Starts for Tigress9_26:

(16, 19981), (Start: 20 @20014 has 36 MA's), (26, 20023), (36, 20071), (38, 20074), (88, 20203), (138, 20254), (174, 20350), (176, 20359), (207, 20449), (221, 20488), (249, 20560), (253, 20569), (307, 20662), (336, 20743), (345, 20773), (358, 20812), (363, 20827), (378, 20851), (395, 20911), (410, 20956), (420, 20983), (428, 21022), (432, 21040), (435, 21049), (454, 21118), (455, 21121), (458, 21139), (468, 21181), (471, 21202), (475, 21217), (479, 21232), (491, 21319), (508, 21412), (509, 21415), (525, 21487), (544, 21535), (563, 21616), (570, 21640), (578, 21664), (579, 21670), (587, 21709), (629, 21898), (646, 21973), (658, 22027), (687, 22111), (694, 22129), (742, 22216), (747, 22240), (763, 22282), (777, 22342),

Gene: TinaFeyge_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for TinaFeyge_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (450, 23539), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: TingHuaYa_27 Start: 20178, Stop: 22490, Start Num: 39

Candidate Starts for TingHuaYa_27:

(Start: 39 @20178 has 43 MA's), (95, 20328), (103, 20349), (117, 20406), (141, 20472), (158, 20517), (171, 20559), (174, 20571), (190, 20616), (226, 20727), (236, 20748), (297, 20814), (306, 20829), (343, 20910), (359, 20940), (379, 20979), (386, 20994), (403, 21054), (441, 21138), (456, 21210), (513, 21519), (521, 21573), (522, 21576), (524, 21588), (528, 21615), (533, 21633), (536, 21639), (565, 21771), (624, 22020), (628, 22035), (632, 22065), (640, 22104), (662, 22212), (679, 22242), (697, 22284), (708, 22305), (731, 22347), (740, 22371), (741, 22374), (747, 22398), (748, 22404),

(772, 22467), (777, 22482),

Gene: TinyPebbles_33 Start: 23366, Stop: 25117, Start Num: 298

Candidate Starts for TinyPebbles_33:

(Start: 298 @23366 has 65 MA's), (341, 23501), (363, 23567), (376, 23612), (385, 23648), (422, 23759), (427, 23780), (436, 23816), (444, 23837), (468, 23954), (492, 24092), (509, 24188), (510, 24191), (525, 24260), (537, 24284), (551, 24329), (561, 24377), (579, 24443), (614, 24614), (616, 24620), (629, 24671), (639, 24716), (647, 24746), (658, 24794), (670, 24836), (677, 24851), (678, 24854), (687, 24878), (741, 24980), (742, 24983), (747, 25007),

Gene: Tinybot_30 Start: 22937, Stop: 24793, Start Num: 205

Candidate Starts for Tinybot_30:

(Start: 205 @22937 has 143 MA's), (262, 23063), (279, 23087), (349, 23246), (352, 23255), (369, 23297), (385, 23342), (387, 23348), (427, 23453), (431, 23465), (455, 23543), (469, 23612), (498, 23780), (505, 23810), (510, 23840), (518, 23867), (522, 23894), (523, 23897), (552, 24002), (556, 24023), (557, 24032), (585, 24137), (594, 24176), (602, 24221), (637, 24383), (665, 24506), (670, 24512), (741, 24674), (744, 24683),

Gene: TiroTheta9_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for TiroTheta9_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Todacoro_32 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for Todacoro_32:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (445, 23946), (450, 23967), (468, 24054), (477, 24096), (518, 24318), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: Topanga_33 Start: 23566, Stop: 25401, Start Num: 54

Candidate Starts for Topanga_33:

(Start: 54 @23566 has 25 MA's), (104, 23713), (113, 23749), (168, 23905), (191, 23974), (197, 23995), (204, 24022), (468, 24235), (470, 24253), (503, 24439), (512, 24478), (520, 24517), (539, 24574), (549, 24607), (561, 24664), (576, 24718), (591, 24790), (592, 24793), (619, 24910), (624, 24934), (628, 24949), (629, 24955), (639, 25003), (646, 25030), (658, 25084), (660, 25105), (661, 25108), (669, 25126), (694, 25183), (703, 25198), (729, 25246), (740, 25279), (747, 25309), (774, 25384),

Gene: Torres_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Torres_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: TriFive_21 Start: 19724, Stop: 22237, Start Num: 14

Candidate Starts for TriFive_21:

(Start: 14 @19724 has 19 MA's), (29, 19787), (53, 19859), (85, 19949), (87, 19955), (107, 20027), (149, 20114), (182, 20219), (187, 20231), (193, 20249), (206, 20288), (217, 20318), (239, 20375), (253, 20405), (258, 20411), (284, 20465), (289, 20471), (343, 20618), (344, 20621), (347, 20630), (353, 20648), (371, 20708), (375, 20717), (378, 20729), (390, 20780), (392, 20783), (440, 20948), (455, 21005), (472, 21089), (477, 21107), (479, 21116), (487, 21179), (509, 21299), (516, 21323), (519, 21344), (523, 21359), (527, 21377), (540, 21407), (562, 21497), (582, 21566), (587, 21599), (591, 21620), (599, 21656), (607, 21692), (617, 21737), (623, 21761), (624, 21767), (628, 21782), (631, 21800), (650, 21887), (656, 21911), (664, 21947), (666, 21953), (678, 21977), (715, 22052), (716, 22055), (752, 22142), (755, 22151), (760, 22157),

Gene: TribelTrouble_25 Start: 21122, Stop: 23572, Start Num: 20

Candidate Starts for TribelTrouble_25:

(Start: 20 @21122 has 36 MA's), (32, 21149), (34, 21170), (38, 21182), (59, 21227), (70, 21257), (80, 21287), (131, 21449), (138, 21470), (167, 21548), (179, 21593), (193, 21629), (199, 21647), (Start: 228 @21725 has 32 MA's), (245, 21761), (336, 21959), (341, 21974), (358, 22025), (382, 22082), (420, 22199), (429, 22241), (432, 22256), (435, 22265), (455, 22346), (458, 22364), (468, 22406), (471, 22427), (477, 22448), (479, 22457), (491, 22544), (509, 22640), (523, 22700), (525, 22712), (543, 22754), (563, 22841), (579, 22895), (587, 22934), (590, 22952), (611, 23051), (615, 23069), (629, 23123), (638, 23168), (642, 23180), (647, 23204), (653, 23231), (682, 23327), (687, 23336), (747, 23465), (757, 23492), (763, 23504),

Gene: Trice_23 Start: 20414, Stop: 22900, Start Num: 39

Candidate Starts for Trice_23:

(Start: 39 @20414 has 43 MA's), (59, 20462), (117, 20642), (118, 20645), (141, 20708), (144, 20720), (190, 20852), (201, 20891), (222, 20948), (229, 20972), (236, 20984), (256, 21032), (259, 21035), (276, 21068), (302, 21107), (319, 21140), (324, 21152), (326, 21161), (327, 21167), (347, 21233), (352, 21248), (385, 21359), (393, 21392), (425, 21476), (428, 21491), (447, 21551), (463, 21620), (485, 21740), (498, 21833), (520, 21947), (538, 22025), (541, 22031), (549, 22055), (561, 22118), (562, 22121), (564, 22133), (584, 22199), (585, 22205), (593, 22247), (597, 22268), (599, 22277), (606, 22310), (609, 22328), (624, 22397), (646, 22496), (647, 22502), (650, 22520), (660, 22574), (665, 22589), (680, 22616), (708, 22673),

Gene: Trike_30 Start: 21413, Stop: 23695, Start Num: 54

Candidate Starts for Trike_30:

(Start: 54 @21413 has 25 MA's), (67, 21446), (94, 21530), (113, 21596), (161, 21728), (197, 21842), (199, 21851), (Start: 227 @21935 has 1 MA's), (260, 22010), (Start: 298 @22088 has 65 MA's), (325, 22163), (337, 22208), (434, 22379), (468, 22526), (469, 22535), (470, 22544), (477, 22568), (512, 22769), (520, 22808), (549, 22898), (561, 22955), (572, 22997), (576, 23009), (587, 23060), (594, 23090), (597, 23108), (599, 23120), (628, 23240), (629, 23246), (658, 23378), (660, 23399), (661, 23402), (687, 23459), (700, 23486), (703, 23492), (740, 23573), (741, 23576), (774, 23678), (775, 23681),

Gene: Tristan_33 Start: 24889, Stop: 26664, Start Num: 54

Candidate Starts for Tristan_33:

(37, 24850), (Start: 54 @24889 has 25 MA's), (98, 25000), (101, 25009), (119, 25066), (127, 25093), (161, 25186), (275, 25279), (282, 25300), (Start: 298 @25309 has 65 MA's), (307, 25330), (311, 25342), (462, 25465), (468, 25498), (470, 25516), (477, 25540), (495, 25654), (512, 25741), (520, 25780), (523, 25792), (539, 25837), (587, 26032), (591, 26053), (628, 26212), (629, 26218), (658, 26347), (694, 26446), (703, 26461), (740, 26542), (758, 26602), (774, 26647),

Gene: Trixie_34 Start: 24439, Stop: 26220, Start Num: 58

Candidate Starts for Trixie_34:

(Start: 58 @24439 has 2 MA's), (98, 24556), (101, 24565), (143, 24697), (449, 24964), (468, 25054), (470, 25072), (477, 25096), (520, 25336), (549, 25426), (561, 25483), (590, 25606), (617, 25723), (628, 25768), (658, 25903), (660, 25924), (669, 25945), (703, 26017), (740, 26098), (747, 26128), (758, 26158),

Gene: Trooper_31 Start: 22613, Stop: 24916, Start Num: 61

Candidate Starts for Trooper_31:

(Start: 61 @22613 has 29 MA's), (69, 22634), (98, 22724), (116, 22790), (174, 22961), (223, 23105), (241, 23141), (252, 23171), (Start: 298 @23261 has 65 MA's), (323, 23327), (341, 23396), (449, 23657), (468, 23744), (470, 23762), (477, 23786), (482, 23816), (512, 23987), (523, 24038), (549, 24116), (561, 24173), (587, 24278), (591, 24299), (595, 24311), (613, 24404), (619, 24419), (624, 24443), (632, 24488), (639, 24509), (640, 24512), (655, 24575), (661, 24617), (674, 24650), (688, 24671), (725, 24743), (744, 24791), (758, 24839), (774, 24893),

Gene: TroyPia_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for TroyPia_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Tubs_33 Start: 24377, Stop: 26143, Start Num: 56

Candidate Starts for Tubs_33:

(Start: 56 @24377 has 26 MA's), (62, 24389), (116, 24563), (150, 24653), (169, 24698), (172, 24707), (Start: 298 @24785 has 65 MA's), (308, 24809), (322, 24845), (468, 24974), (470, 24992), (512, 25217), (518, 25238), (520, 25256), (549, 25346), (561, 25403), (590, 25526), (619, 25649), (628, 25688), (639, 25745), (658, 25826), (660, 25847), (661, 25850), (703, 25940), (747, 26051), (774, 26126),

Gene: Turbido_33 Start: 23266, Stop: 25470, Start Num: 60

Candidate Starts for Turbido_33:

(Start: 60 @23266 has 32 MA's), (98, 23380), (101, 23389), (110, 23422), (127, 23479), (174, 23617), (Start: 298 @23806 has 65 MA's), (341, 23941), (355, 23983), (377, 24055), (468, 24295), (470, 24313), (477, 24337), (493, 24445), (512, 24538), (520, 24577), (549, 24667), (561, 24724), (562, 24727), (578, 24784), (579, 24790), (587, 24829), (591, 24850), (632, 25039), (640, 25066), (684, 25219), (694, 25243), (724, 25297), (726, 25300), (742, 25339), (744, 25345), (758, 25393),

Gene: Twister_33 Start: 23481, Stop: 25316, Start Num: 54

Candidate Starts for Twister_33:

(Start: 54 @23481 has 25 MA's), (67, 23514), (113, 23664), (191, 23889), (197, 23910), (204, 23937), (462, 24117), (468, 24150), (470, 24168), (477, 24192), (493, 24300), (520, 24432), (539, 24489), (549, 24522), (561, 24579), (576, 24633), (581, 24648), (590, 24702), (613, 24810), (619, 24825), (624, 24849), (628, 24864), (644, 24936), (654, 24981), (658, 24999), (660, 25020), (661, 25023), (694, 25098), (703, 25113), (740, 25194), (747, 25224), (758, 25254), (774, 25299), (775, 25302),

Gene: TygerBlood_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for TygerBlood_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552,

24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Typha_27 Start: 23429, Stop: 26023, Start Num: 15

Candidate Starts for Typha_27:

(Start: 15 @23429 has 4 MA's), (21, 23468), (45, 23543), (83, 23645), (86, 23654), (107, 23732), (135, 23813), (137, 23822), (154, 23867), (155, 23870), (159, 23879), (163, 23891), (164, 23894), (171, 23918), (177, 23945), (178, 23954), (202, 24017), (226, 24083), (240, 24119), (242, 24122), (279, 24194), (283, 24200), (318, 24269), (343, 24353), (370, 24434), (376, 24455), (427, 24629), (434, 24656), (447, 24707), (456, 24752), (468, 24803), (469, 24812), (484, 24890), (503, 25013), (504, 25016), (505, 25019), (525, 25130), (545, 25193), (556, 25241), (580, 25328), (585, 25355), (587, 25364), (589, 25370), (599, 25421), (624, 25538), (625, 25541), (643, 25625), (650, 25661), (658, 25691), (661, 25715), (682, 25766), (685, 25772), (690, 25778), (739, 25880), (748, 25916), (774, 26006), (777, 26015),

Gene: Ugenie5_30 Start: 24410, Stop: 26176, Start Num: 56

Candidate Starts for Ugenie5_30:

(Start: 56 @24410 has 26 MA's), (62, 24422), (116, 24596), (150, 24686), (169, 24731), (172, 24740), (Start: 298 @24818 has 65 MA's), (308, 24842), (322, 24878), (468, 25007), (470, 25025), (512, 25250), (518, 25271), (520, 25289), (549, 25379), (561, 25436), (590, 25559), (619, 25682), (628, 25721), (639, 25778), (658, 25859), (660, 25880), (661, 25883), (703, 25973), (747, 26084), (774, 26159),

Gene: Ulysses_30 Start: 22678, Stop: 24534, Start Num: 205

Candidate Starts for Ulysses_30:

(Start: 205 @22678 has 143 MA's), (262, 22804), (279, 22828), (331, 22933), (332, 22939), (349, 22987), (352, 22996), (369, 23038), (385, 23083), (387, 23089), (427, 23194), (431, 23206), (452, 23269), (455, 23284), (469, 23353), (498, 23521), (510, 23581), (518, 23608), (522, 23635), (523, 23638), (552, 23743), (556, 23764), (557, 23773), (585, 23878), (602, 23962), (624, 24061), (665, 24247), (670, 24253), (687, 24298), (712, 24349), (713, 24352), (741, 24415), (744, 24424), (773, 24511),

Gene: Unicorn_26 Start: 20093, Stop: 22432, Start Num: 20

Candidate Starts for Unicorn_26:

(Start: 20 @20093 has 36 MA's), (36, 20150), (83, 20264), (88, 20282), (138, 20333), (148, 20354), (174, 20432), (207, 20531), (210, 20543), (249, 20642), (253, 20651), (307, 20744), (336, 20825), (345, 20855), (349, 20867), (352, 20876), (358, 20894), (363, 20909), (378, 20933), (395, 20993), (410, 21038), (420, 21065), (432, 21122), (435, 21131), (454, 21200), (455, 21203), (458, 21221), (468, 21263), (471, 21284), (479, 21314), (491, 21401), (503, 21464), (509, 21497), (525, 21569), (544, 21617), (549, 21629), (563, 21698), (570, 21722), (587, 21791), (629, 21980), (646, 22055), (650, 22079), (682, 22184), (687, 22193), (694, 22211), (742, 22298), (747, 22322), (763, 22364), (777, 22424),

Gene: Updawg_33 Start: 23218, Stop: 25425, Start Num: 60

Candidate Starts for Updawg_33:

(Start: 60 @23218 has 32 MA's), (98, 23332), (101, 23341), (103, 23347), (108, 23368), (143, 23479), (174, 23569), (176, 23581), (Start: 298 @23758 has 65 MA's), (313, 23797), (341, 23893), (449, 24154), (468, 24244), (473, 24274), (477, 24286), (510, 24484), (549, 24625), (553, 24646), (576, 24736), (578, 24742), (579, 24748), (587, 24787), (591, 24808), (598, 24844), (599, 24847), (613, 24913), (619, 24928), (621, 24931), (624, 24952), (631, 24985), (661, 25129), (683, 25177), (718, 25240), (744, 25300), (758, 25348), (774, 25402),

Gene: Validus_27 Start: 20168, Stop: 22669, Start Num: 39

Candidate Starts for Validus_27:

(Start: 39 @20168 has 43 MA's), (80, 20267), (86, 20285), (103, 20339), (114, 20390), (121, 20408), (144, 20474), (165, 20528), (190, 20606), (201, 20645), (222, 20702), (236, 20738), (259, 20789), (291, 20834), (318, 20888), (319, 20891), (326, 20912), (327, 20918), (339, 20957), (385, 21110), (396, 21155), (425, 21227), (444, 21281), (447, 21302), (450, 21314), (469, 21407), (472, 21422), (484, 21485), (498, 21581), (538, 21773), (541, 21779), (549, 21803), (561, 21866), (585, 21953), (599, 22025), (606, 22058), (609, 22076), (617, 22115), (662, 22331), (716, 22442), (740, 22499), (745, 22517), (754, 22547),

Gene: Vanisoa_30 Start: 22263, Stop: 24611, Start Num: 22

Candidate Starts for Vanisoa_30:

(Start: 19 @22257 has 3 MA's), (Start: 22 @22263 has 2 MA's), (55, 22362), (68, 22395), (115, 22530), (162, 22620), (197, 22722), (204, 22749), (217, 22785), (245, 22854), (247, 22860), (335, 23070), (349, 23112), (381, 23202), (387, 23229), (440, 23343), (451, 23376), (471, 23457), (479, 23487), (481, 23493), (496, 23595), (509, 23673), (523, 23733), (540, 23781), (544, 23793), (583, 23946), (587, 23973), (590, 23991), (599, 24030), (605, 24060), (624, 24141), (625, 24144), (656, 24285), (678, 24351), (695, 24396), (706, 24417), (715, 24426), (760, 24531), (770, 24576), (773, 24588),

Gene: Veracruz_31 Start: 23373, Stop: 25232, Start Num: 228

Candidate Starts for Veracruz_31:

(Start: 228 @23373 has 32 MA's), (305, 23517), (316, 23535), (328, 23574), (334, 23595), (349, 23637), (355, 23655), (407, 23814), (417, 23841), (445, 23946), (450, 23967), (468, 24054), (477, 24096), (518, 24318), (520, 24336), (549, 24426), (561, 24483), (599, 24648), (611, 24702), (613, 24714), (619, 24729), (648, 24858), (649, 24870), (661, 24930), (665, 24942), (690, 24987), (695, 25005), (758, 25152), (767, 25179), (774, 25209),

Gene: Vix_33 Start: 23359, Stop: 25116, Start Num: 298

Candidate Starts for Vix_33:

(Start: 298 @23359 has 65 MA's), (341, 23494), (363, 23560), (376, 23605), (385, 23641), (427, 23773), (436, 23809), (444, 23830), (455, 23887), (468, 23947), (480, 24001), (487, 24061), (509, 24181), (510, 24184), (525, 24253), (537, 24277), (561, 24370), (566, 24391), (579, 24436), (651, 24766), (670, 24835), (695, 24898), (770, 25069),

Gene: WalterMcMickey_33 Start: 23481, Stop: 25316, Start Num: 54

Candidate Starts for WalterMcMickey_33:

(Start: 54 @23481 has 25 MA's), (67, 23514), (113, 23664), (191, 23889), (197, 23910), (204, 23937), (462, 24117), (468, 24150), (470, 24168), (477, 24192), (493, 24300), (520, 24432), (539, 24489), (549, 24522), (561, 24579), (576, 24633), (581, 24648), (590, 24702), (613, 24810), (619, 24825), (624, 24849), (628, 24864), (644, 24936), (654, 24981), (658, 24999), (660, 25020), (661, 25023), (694, 25098), (703, 25113), (740, 25194), (747, 25224), (758, 25254), (774, 25299), (775, 25302),

Gene: Wander_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Wander_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (557, 24055), (585, 24160), (594, 24199), (602, 24244), (637, 24406), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Watson_33 Start: 23269, Stop: 25026, Start Num: 298

Candidate Starts for Watson_33:

(Start: 298 @23269 has 65 MA's), (341, 23404), (363, 23470), (376, 23515), (385, 23551), (427, 23683), (436, 23719), (444, 23740), (455, 23797), (468, 23857), (480, 23911), (487, 23971), (509, 24091), (510, 24094), (525, 24163), (537, 24187), (561, 24280), (566, 24301), (579, 24346), (651, 24676), (670, 24745), (695, 24808), (770, 24979),

Gene: WeiHuaDA_37 Start: 25110, Stop: 26891, Start Num: 58

Candidate Starts for WeiHuaDA_37:

(Start: 58 @25110 has 2 MA's), (98, 25227), (101, 25236), (143, 25368), (282, 25527), (449, 25635), (450, 25638), (468, 25725), (470, 25743), (477, 25767), (512, 25968), (520, 26007), (549, 26097), (561, 26154), (576, 26208), (590, 26277), (617, 26394), (628, 26439), (658, 26574), (660, 26595), (669, 26616), (700, 26682), (740, 26769), (747, 26799), (758, 26829), (774, 26874),

Gene: Whabigail7_33 Start: 23254, Stop: 25458, Start Num: 60

Candidate Starts for Whabigail7_33:

(Start: 60 @23254 has 32 MA's), (98, 23368), (101, 23377), (110, 23410), (127, 23467), (174, 23605), (Start: 298 @23794 has 65 MA's), (341, 23929), (355, 23971), (377, 24043), (468, 24283), (470, 24301), (477, 24325), (493, 24433), (512, 24526), (520, 24565), (549, 24655), (561, 24712), (562, 24715), (578, 24772), (579, 24778), (587, 24817), (591, 24838), (632, 25027), (640, 25054), (684, 25207), (694, 25231), (724, 25285), (726, 25288), (742, 25327), (744, 25333), (758, 25381),

Gene: Whirlwind_22 Start: 19481, Stop: 21994, Start Num: 14

Candidate Starts for Whirlwind_22:

(Start: 14 @19481 has 19 MA's), (29, 19544), (53, 19616), (115, 19814), (176, 19958), (182, 19976), (187, 19988), (193, 20006), (206, 20045), (211, 20060), (217, 20075), (239, 20132), (253, 20162), (258, 20168), (284, 20222), (289, 20228), (313, 20285), (343, 20375), (344, 20378), (347, 20387), (353, 20405), (371, 20465), (390, 20537), (392, 20540), (433, 20684), (440, 20705), (455, 20762), (472, 20846), (477, 20864), (479, 20873), (509, 21056), (519, 21101), (523, 21116), (527, 21134), (540, 21164), (556, 21224), (562, 21254), (582, 21323), (587, 21356), (591, 21377), (599, 21413), (605, 21443), (623, 21518), (624, 21524), (628, 21539), (631, 21557), (638, 21590), (649, 21641), (650, 21644), (657, 21671), (664, 21704), (678, 21734), (715, 21809), (732, 21845), (755, 21908), (760, 21914), (777, 21986),

Gene: WideWale_33 Start: 23218, Stop: 25425, Start Num: 60

Candidate Starts for WideWale_33:

(Start: 60 @23218 has 32 MA's), (98, 23332), (101, 23341), (103, 23347), (108, 23368), (143, 23479), (174, 23569), (176, 23581), (Start: 298 @23758 has 65 MA's), (313, 23797), (341, 23893), (449, 24154), (468, 24244), (473, 24274), (477, 24286), (510, 24484), (549, 24625), (553, 24646), (576, 24736), (578, 24742), (579, 24748), (587, 24787), (591, 24808), (598, 24844), (599, 24847), (613, 24913), (619, 24928), (621, 24931), (624, 24952), (631, 24985), (661, 25129), (683, 25177), (718, 25240), (744, 25300), (758, 25348), (774, 25402),

Gene: Wilbur_31 Start: 22960, Stop: 24816, Start Num: 205

Candidate Starts for Wilbur_31:

(Start: 205 @22960 has 143 MA's), (262, 23086), (279, 23110), (331, 23215), (332, 23221), (349, 23269), (352, 23278), (369, 23320), (385, 23365), (387, 23371), (427, 23476), (431, 23488), (455, 23566), (469, 23635), (510, 23863), (517, 23887), (518, 23890), (522, 23917), (523, 23920), (552, 24025), (557, 24055), (560, 24070), (585, 24160), (594, 24199), (602, 24244), (639, 24412), (665, 24529), (670, 24535), (687, 24580), (712, 24631), (713, 24634), (741, 24697), (744, 24706), (773, 24793),

Gene: Wile_31 Start: 22982, Stop: 24841, Start Num: 205

Candidate Starts for Wile_31:

(181, 22922), (188, 22937), (Start: 205 @22982 has 143 MA's), (230, 23048), (251, 23093), (Start: 254 @23099 has 1 MA's), (279, 23132), (296, 23150), (315, 23195), (317, 23201), (319, 23207), (352, 23300), (360, 23315), (385, 23387), (408, 23447), (427, 23498), (431, 23510), (455, 23588), (469, 23657), (489, 23780), (494, 23804), (510, 23885), (520, 23930), (522, 23939), (523, 23942), (556, 24071), (557, 24080), (567, 24122), (575, 24149), (585, 24185), (590, 24212), (594, 24224), (627, 24380), (665, 24554), (670, 24560), (687, 24605), (712, 24656), (713, 24659), (731, 24695), (744, 24731),

Gene: Willsammy_21 Start: 18930, Stop: 21569, Start Num: 9

Candidate Starts for Willsammy_21:

(Start: 9 @18930 has 17 MA's), (10, 18939), (42, 19083), (135, 19356), (137, 19365), (138, 19368), (147, 19389), (152, 19401), (154, 19410), (163, 19434), (177, 19488), (202, 19566), (214, 19596), (226, 19632), (235, 19653), (240, 19668), (259, 19710), (279, 19743), (318, 19818), (326, 19842), (327, 19848), (331, 19860), (343, 19902), (345, 19908), (374, 19995), (413, 20127), (419, 20145), (427, 20178), (434, 20205), (447, 20256), (487, 20466), (497, 20532), (505, 20568), (523, 20667), (525, 20679), (545, 20742), (585, 20904), (589, 20919), (599, 20970), (624, 21087), (632, 21132), (643, 21174), (650, 21210), (661, 21264), (682, 21312), (747, 21456), (765, 21513), (774, 21552), (777, 21561),

Gene: Wintermute_28 Start: 22272, Stop: 24581, Start Num: 39

Candidate Starts for Wintermute_28:

(Start: 39 @22272 has 43 MA's), (75, 22362), (81, 22383), (88, 22407), (123, 22524), (168, 22653), (185, 22713), (209, 22785), (214, 22794), (233, 22845), (236, 22851), (238, 22860), (267, 22911), (300, 22923), (309, 22938), (312, 22944), (327, 22977), (346, 23025), (379, 23079), (404, 23151), (419, 23190), (424, 23202), (431, 23217), (447, 23262), (463, 23331), (480, 23412), (503, 23565), (513, 23607), (538, 23736), (549, 23781), (562, 23847), (565, 23862), (591, 23958), (624, 24111), (628, 24126), (629, 24132), (632, 24156), (633, 24162), (635, 24168), (636, 24171), (640, 24195), (643, 24207), (662, 24303), (689, 24354), (691, 24357), (722, 24426), (740, 24462), (748, 24495), (769, 24549), (772, 24558), (777, 24573),

Gene: Wizard007_31 Start: 22962, Stop: 24818, Start Num: 205

Candidate Starts for Wizard007_31:

(Start: 205 @22962 has 143 MA's), (262, 23088), (279, 23112), (331, 23217), (332, 23223), (349, 23271), (352, 23280), (369, 23322), (385, 23367), (387, 23373), (427, 23478), (431, 23490), (455, 23568), (469, 23637), (510, 23865), (517, 23889), (518, 23892), (522, 23919), (523, 23922), (552, 24027), (557, 24057), (560, 24072), (585, 24162), (594, 24201), (602, 24246), (639, 24414), (665, 24531), (670, 24537), (687, 24582), (712, 24633), (713, 24636), (741, 24699), (744, 24708), (773, 24795),

Gene: Wooldri_35 Start: 23188, Stop: 24945, Start Num: 298

Candidate Starts for Wooldri_35:

(Start: 298 @23188 has 65 MA's), (341, 23323), (363, 23389), (376, 23434), (385, 23470), (427, 23602), (436, 23638), (444, 23659), (455, 23716), (468, 23776), (480, 23830), (487, 23890), (509, 24010), (510, 24013), (525, 24082), (537, 24106), (561, 24199), (566, 24220), (579, 24265), (651, 24595), (670, 24664), (695, 24727), (770, 24898),

Gene: Xena_31 Start: 22969, Stop: 24828, Start Num: 205

Candidate Starts for Xena_31:

(181, 22909), (Start: 205 @22969 has 143 MA's), (230, 23035), (251, 23080), (Start: 254 @23086 has 1 MA's), (279, 23119), (296, 23137), (315, 23182), (317, 23188), (319, 23194), (352, 23287), (360, 23302), (385, 23374), (408, 23434), (427, 23485), (431, 23497), (455, 23575), (469, 23644), (489, 23767), (494, 23791), (510, 23872), (520, 23917), (522, 23926), (523, 23929), (556, 24058), (557, 24067), (567, 24109), (575, 24136), (585, 24172), (590, 24199), (594, 24211), (627, 24367), (665,

24541), (670, 24547), (687, 24592), (712, 24643), (713, 24646), (731, 24682), (744, 24718),

Gene: Xeno_20 Start: 17553, Stop: 20198, Start Num: 9

Candidate Starts for Xeno_20:

(7, 17541), (Start: 9 @17553 has 17 MA's), (11, 17565), (12, 17577), (18, 17631), (40, 17700), (42, 17703), (45, 17712), (52, 17727), (109, 17904), (135, 17985), (137, 17994), (159, 18051), (164, 18066), (203, 18198), (222, 18246), (226, 18261), (235, 18282), (250, 18324), (259, 18339), (266, 18348), (279, 18375), (283, 18381), (318, 18450), (326, 18471), (327, 18477), (330, 18486), (338, 18513), (374, 18624), (380, 18645), (385, 18669), (404, 18735), (413, 18756), (419, 18774), (427, 18807), (433, 18831), (434, 18834), (447, 18885), (469, 18990), (479, 19032), (505, 19197), (522, 19293), (545, 19371), (547, 19383), (569, 19473), (585, 19533), (587, 19542), (597, 19590), (599, 19599), (624, 19716), (632, 19761), (643, 19803), (658, 19869), (661, 19893), (682, 19941), (685, 19947), (690, 19953), (738, 20052), (741, 20061), (748, 20091), (774, 20181), (777, 20190),

Gene: Ximenita_27 Start: 20205, Stop: 22535, Start Num: 20

Candidate Starts for Ximenita_27:

(Start: 20 @20205 has 36 MA's), (38, 20265), (88, 20394), (96, 20406), (138, 20445), (174, 20541), (176, 20550), (207, 20640), (221, 20679), (237, 20727), (249, 20751), (253, 20760), (307, 20853), (313, 20868), (336, 20934), (345, 20964), (349, 20976), (358, 21003), (363, 21018), (378, 21042), (395, 21102), (410, 21147), (420, 21174), (428, 21213), (432, 21231), (435, 21240), (454, 21309), (455, 21312), (458, 21330), (468, 21372), (471, 21393), (477, 21414), (479, 21423), (484, 21459), (491, 21510), (525, 21675), (555, 21765), (563, 21804), (566, 21813), (579, 21858), (584, 21882), (587, 21897), (590, 21915), (597, 21945), (629, 22086), (638, 22131), (646, 22161), (650, 22185), (653, 22194), (658, 22215), (663, 22245), (747, 22428), (759, 22455), (763, 22467), (777, 22527),

Gene: Y10_28 Start: 22272, Stop: 24581, Start Num: 39

Candidate Starts for Y10_28:

(Start: 39 @22272 has 43 MA's), (75, 22362), (81, 22383), (88, 22407), (123, 22524), (168, 22653), (185, 22713), (209, 22785), (214, 22794), (233, 22845), (236, 22851), (238, 22860), (267, 22911), (300, 22923), (309, 22938), (312, 22944), (327, 22977), (346, 23025), (379, 23079), (404, 23151), (419, 23190), (424, 23202), (431, 23217), (447, 23262), (463, 23331), (480, 23412), (503, 23565), (513, 23607), (538, 23736), (549, 23781), (562, 23847), (565, 23862), (591, 23958), (624, 24111), (628, 24126), (629, 24132), (632, 24156), (633, 24162), (635, 24168), (636, 24171), (640, 24195), (643, 24207), (662, 24303), (689, 24354), (691, 24357), (722, 24426), (740, 24462), (748, 24495), (769, 24549), (772, 24558), (777, 24573),

Gene: Y2_28 Start: 22272, Stop: 24581, Start Num: 39

Candidate Starts for Y2_28:

(Start: 39 @22272 has 43 MA's), (75, 22362), (81, 22383), (88, 22407), (123, 22524), (168, 22653), (185, 22713), (209, 22785), (214, 22794), (233, 22845), (236, 22851), (238, 22860), (267, 22911), (300, 22923), (309, 22938), (312, 22944), (327, 22977), (346, 23025), (379, 23079), (404, 23151), (419, 23190), (424, 23202), (431, 23217), (447, 23262), (463, 23331), (480, 23412), (503, 23565), (513, 23607), (538, 23736), (549, 23781), (562, 23847), (565, 23862), (591, 23958), (624, 24111), (628, 24126), (629, 24132), (632, 24156), (633, 24162), (635, 24168), (636, 24171), (640, 24195), (643, 24207), (662, 24303), (689, 24354), (691, 24357), (722, 24426), (740, 24462), (748, 24495), (769, 24549), (772, 24558), (777, 24573),

Gene: YasnayaPolyana_28 Start: 22273, Stop: 24582, Start Num: 39

Candidate Starts for YasnayaPolyana_28:

(Start: 39 @22273 has 43 MA's), (75, 22363), (81, 22384), (88, 22408), (123, 22525), (168, 22654), (185, 22714), (209, 22786), (214, 22795), (233, 22846), (236, 22852), (238, 22861), (267, 22912), (300, 22924), (309, 22939), (312, 22945), (327, 22978), (346, 23026), (379, 23080), (404, 23152), (419, 23191), (424, 23203), (431, 23218), (447, 23263), (463, 23332), (480, 23413), (503, 23566),

(513, 23608), (538, 23737), (549, 23782), (562, 23848), (565, 23863), (591, 23959), (624, 24112), (628, 24127), (629, 24133), (632, 24157), (633, 24163), (635, 24169), (636, 24172), (640, 24196), (643, 24208), (662, 24304), (689, 24355), (691, 24358), (722, 24427), (740, 24463), (748, 24496), (769, 24550), (772, 24559), (777, 24574),

Gene: YoSam321_31 Start: 22957, Stop: 24813, Start Num: 205

Candidate Starts for YoSam321_31:

(Start: 205 @22957 has 143 MA's), (262, 23083), (279, 23107), (331, 23212), (332, 23218), (349, 23266), (352, 23275), (369, 23317), (385, 23362), (387, 23368), (427, 23473), (431, 23485), (455, 23563), (469, 23632), (510, 23860), (517, 23884), (518, 23887), (522, 23914), (523, 23917), (552, 24022), (557, 24052), (560, 24067), (585, 24157), (594, 24196), (602, 24241), (639, 24409), (665, 24526), (670, 24532), (687, 24577), (712, 24628), (713, 24631), (741, 24694), (744, 24703), (773, 24790),

Gene: Yuna_28 Start: 20819, Stop: 23209, Start Num: 39

Candidate Starts for Yuna_28:

(Start: 39 @20819 has 43 MA's), (59, 20867), (77, 20906), (80, 20918), (120, 21059), (140, 21113), (145, 21125), (165, 21179), (171, 21200), (186, 21251), (190, 21257), (218, 21347), (222, 21353), (259, 21440), (293, 21482), (295, 21485), (315, 21533), (318, 21542), (327, 21569), (330, 21578), (339, 21608), (360, 21665), (389, 21761), (393, 21773), (438, 21878), (455, 21947), (464, 21986), (469, 22016), (489, 22139), (493, 22160), (510, 22244), (521, 22295), (522, 22298), (523, 22301), (530, 22340), (549, 22394), (560, 22451), (589, 22553), (590, 22565), (613, 22682), (615, 22688), (626, 22730), (649, 22838), (662, 22901), (740, 23054), (741, 23057), (775, 23183),

Gene: Zarafa_31 Start: 22901, Stop: 24760, Start Num: 228

Candidate Starts for Zarafa_31:

(Start: 228 @22901 has 32 MA's), (299, 23027), (302, 23036), (328, 23102), (334, 23123), (349, 23165), (400, 23321), (417, 23369), (435, 23438), (436, 23444), (445, 23474), (468, 23582), (470, 23600), (477, 23624), (520, 23864), (549, 23954), (578, 24071), (599, 24176), (613, 24242), (619, 24257), (656, 24428), (695, 24533), (725, 24587), (742, 24626), (758, 24680), (767, 24707), (773, 24731),

Gene: Zenteno07_34 Start: 28705, Stop: 31170, Start Num: 27

Candidate Starts for Zenteno07_34:

(Start: 27 @28705 has 6 MA's), (Start: 56 @28801 has 26 MA's), (65, 28819), (76, 28852), (85, 28879), (183, 29170), (215, 29257), (261, 29356), (285, 29410), (302, 29443), (316, 29473), (328, 29503), (331, 29509), (344, 29554), (349, 29569), (358, 29596), (366, 29617), (375, 29650), (378, 29662), (418, 29779), (426, 29809), (434, 29845), (445, 29884), (468, 29992), (470, 30010), (497, 30169), (506, 30205), (520, 30274), (523, 30286), (544, 30352), (561, 30421), (563, 30433), (579, 30487), (582, 30493), (583, 30499), (586, 30523), (590, 30544), (624, 30691), (632, 30736), (640, 30763), (694, 30940), (717, 30979), (722, 30994), (725, 30997), (748, 31066), (758, 31090), (766, 31111),

Gene: Zetzy_32 Start: 22817, Stop: 24574, Start Num: 298

Candidate Starts for Zetzy_32:

(Start: 298 @22817 has 65 MA's), (341, 22952), (363, 23018), (376, 23063), (422, 23210), (436, 23267), (444, 23288), (468, 23405), (480, 23459), (487, 23519), (505, 23612), (509, 23639), (510, 23642), (525, 23711), (537, 23735), (551, 23780), (563, 23840), (566, 23849), (579, 23894), (587, 23933), (599, 23990), (651, 24224), (670, 24293), (695, 24356), (747, 24464),

Gene: ZoeJ_23 Start: 18602, Stop: 20941, Start Num: 20

Candidate Starts for ZoeJ_23:

(Start: 20 @18602 has 36 MA's), (174, 18953), (176, 18962), (192, 19007), (249, 19151), (265, 19175), (336, 19334), (343, 19358), (345, 19364), (349, 19376), (358, 19403), (395, 19502), (420, 19574),

(429, 19616), (431, 19622), (432, 19631), (454, 19712), (458, 19733), (468, 19775), (479, 19826),
(491, 19913), (493, 19922), (510, 20012), (523, 20066), (525, 20078), (549, 20138), (562, 20198),
(566, 20216), (587, 20300), (597, 20348), (611, 20417), (614, 20432), (629, 20489), (632, 20513),
(639, 20537), (642, 20546), (650, 20588), (653, 20597), (680, 20684), (687, 20702), (742, 20807),
(747, 20831),