

Z01: Scarlett_26	57	76	117	182	185	177	190	202	205	232	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z02: Nibb_26	81	79	95	117	182	191	195	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z03: LaterM_27	81	86	117	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z04: Marshawn_28	81	86	117	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z05: SirPhilp_26	81	86	135	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z06: Aminay_25	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z07: Boligate_24	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z08: Knll_57 + 1	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z09: YungJamal_56 + 1	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z10: Ryadel_62	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z11: Smooch_61	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z12: Bora_56	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z13: Shipwreck_50 + 1	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z14: Pygmy_20	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z15: MaryV_43	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z16: Cosmo_43	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z17: AzraelT00	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z18: EniyanLR3_40	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z19: Gaia_21	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z20: Nebkiss_22	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z21: Kumao_30	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538
Z22: MooMoo_18	81	87	101	182	185	177	188	202	205	221	276	291	308	328	344	364	368	388	397	407	429	438	446	458	478	481	493	509	509	528	538

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 171098 Report

This analysis was run 07/09/24 on database version 566.

Pham number 171098 has 535 members, 37 are drafts.

Phages represented in each track:

- Track 1 : NoShow_21
- Track 2 : LilMcDreamy_27
- Track 3 : BirdsNest_33
- Track 4 : KayaCho_26
- Track 5 : Hosp_024
- Track 6 : 40BC_026, 39HC_026
- Track 7 : Jolie1_026
- Track 8 : Funsized_34
- Track 9 : Hawkeye_32
- Track 10 : Manda_27, Terminus_26, Goldilocks_27, Murphy_27, Willez_25, Holt_27, Porky_26, Teaspoon_27, Buck_25, PhatBacter_26, Cookies_26, Murica_25, Pharsalus_27, Inca_25, Miniwave_26, Filch_27, Tarkin_28, Palpatine_26, HufflyPuff_25, Petra64142_28, FireRed_26, Phaux_25, StellaBean_26, TBrady12_28, AmericanBeauty_29, Kanye_28, MPhalcon_25, Misfit_26, Paperbeatsrock_28, Nala_26, Argent26_28, MISSy_25, Nimrod_26, Highbury_27, SophKB_26, Gemini_29, GooberAzure_28, Gage_28, BugsBunny_24, Saints25_27, Kimchi_28, ShereKhan_28, Stank_29, Qualification_27, Easy2Say_28, Sassay_25
- Track 11 : Command613_27, Marshmallow_26, Icee_25, Bask21_26, Sotrice96_26, Kostya_26, CrystalP_26, BilboSwaggins_26, Cactus_27, SirDuracell_25
- Track 12 : Gator_24, Dusk_25, Rakim_27, Myrale_26, ABCat_25, Asriel_25, Barbarian_25, Goku_26, Balomoji_25, Tuco_27, Traaww1_24, TeardropMSU_25, Eureka_26
- Track 13 : HanKaySha_27, Phrux_26, Xandras_28, Wiggin_29, Adnama_29, Lilizi_28, Stark_27, Moldemort_27, Czyszczonek1_27, RiverMonster_26, Elite2014_25, Bench_28, ChosenOne_25, DoctorDiddles_26, DrDrey_27, Simpliphy_27, Lilpickle_25, Pumpkin_28, MadamMonkfish_26, NoSleep_27, Dumbo_26, Ukulele_26, OrionPax_27, Elph10_27, Maxxinista_27, JeTaime_28, Hopey_28, 244_28, StolenFromERC_28, Emmina_27, Hoonter_28, Lilac_28
- Track 14 : Phaja_26, IHOP_26
- Track 15 : Cjw1_26
- Track 16 : YassJohnny_27, Contagion_25, Mosby_25, Tomaszewski_25, BigBubba_27, Bruin_26, ChotaBhai_26, xkcd_27, Rimmer_25
- Track 17 : Pat3_25
- Track 18 : BaboJay_25
- Track 19 : BadStone_25
- Track 20 : Harella_25, Flypotenuse_24, Glexan_24
- Track 21 : Amao_26

- Track 22 : NelitzaMV_26, Henry_26, Daikon_24, ShamWow_26, Toto_26, Mindy_26
- Track 23 : Policronamos_26
- Track 24 : GoldenSpark_28
- Track 25 : Thresher_27
- Track 26 : Youngblood_26
- Track 27 : Blarby_25
- Track 28 : ShiLan_18, Gandalph_18, Burwell21_18, OlympiaSaint_18, NormanBulbieJr_18, ShowerHandel_18, Priscilla_18, Yorick_18, Jarcob_18, Spoonbill_18, Martik_18, Cabrinians_18
- Track 29 : Aubs_18
- Track 30 : Rockne_18, Llij_18, PMC_18
- Track 31 : Sabbb_19, Mattes_18, BobaPhett_18, Gorge_18, James_18, LilMoolah_18
- Track 32 : Flathead_19
- Track 33 : Boomer_19
- Track 34 : RitaG_18
- Track 35 : BlueCrab_18, Pacc40_18, Polka14_19, Daenerys_18, Dorothy_18, PHappiness_18, KingMidas_19, JoeyJr_18, OldBen_18, DaddyRickover_18, IbOuu_18, Scottish_19
- Track 36 : SG4_18
- Track 37 : MisterCuddles_18, GUmbie_18, Girr_18, Veteran_18, Phasih_19, Ruby_18
- Track 38 : Totinger_19, LittleShirley_19, Starcevich_19, GigiOuiOui_18, Rialto_20
- Track 39 : Alexphander_20, ArcusAngelus_18, DaWorst_20, Chevrolet_17
- Track 40 : Zerg_18
- Track 41 : Madiba_19
- Track 42 : VRedHorse_18
- Track 43 : Job42_21
- Track 44 : Doug_19
- Track 45 : TootsiePop_19, Awesomesauce_19, Misha28_19
- Track 46 : Tootsieroll_19, Radiance_18
- Track 47 : OfUltron_18, Jinglebell_18, Llama_18, Modragons_18, AlpineSix_18, Seabastian_18, Ochi17_18
- Track 48 : Spikelee_19, RedBird_18, BuzzLyseyear_20, RockyHorror_19, WillSterrel_19, IrishSherpFalk_19, Mantra_18
- Track 49 : Chuckly_18
- Track 50 : Phatniss_19, Drago_19, UncleRicky_19, Enby_19, Lorde_19
- Track 51 : Coco12_20, Phanphagia_18, Kingsley_19
- Track 52 : Hades_18, OwlsT2W_20, DosHalletts_19
- Track 53 : ChickenDinner_19, DocMcStuffins_19, Piper2020_19
- Track 54 : Shauna1_18
- Track 55 : Firehouse51_19, Minnie_19, Leozinho_19, MilleniumForce_19, Whatsapiecost_18
- Track 56 : Karhdo_18
- Track 57 : Strokeseat_18, Hlubikazi_18, Mandlovu_18
- Track 58 : Dante_18
- Track 59 : Mova_19
- Track 60 : Moonbeam_19, Kimberlium_20, Juice456_20, QuickMath_19
- Track 61 : lbhubesi_18, Harley_18
- Track 62 : Mozy_19
- Track 63 : SuperGrey_19
- Track 64 : Kersh_19
- Track 65 : DotProduct_18

- Track 66 : MinionDave_19, CaptainTrips_19
- Track 67 : Nitzel_19
- Track 68 : Taj_18, DeadP_18
- Track 69 : Nivrat_18, Lizziana_18
- Track 70 : Wee_19
- Track 71 : ByChance_18
- Track 72 : PhesterPhotato_18
- Track 73 : Ramsey_19
- Track 74 : EleanorGeorge_18, JalFarm20_20, KristaRAM_19, Batiatus_18, Fruitloop_18
- Track 75 : Nimbo_18, Blexus_18, Geralt_18, Inventum_18, Deb65_18, Sassafras_18
- Track 76 : XFactor_18, Galactic_18, Filuzino_18
- Track 77 : Che8_18
- Track 78 : Fancypants_18
- Track 79 : ShroomBoi_18
- Track 80 : Plumbus_19
- Track 81 : SwagPiggett_18, TDanisky_18, Philus_18, Saal_18, Sparkdehlily_18, DRBy19_18
- Track 82 : Spartacus_19
- Track 83 : SimranZ1_19
- Track 84 : Whouxphf_18
- Track 85 : DLane_18
- Track 86 : Donkeykong_18
- Track 87 : LunaBlu_19
- Track 88 : Bobi_20
- Track 89 : Mutaforma13_18
- Track 90 : Pollywog_21, Ogopogo_21
- Track 91 : Royals2015_18
- Track 92 : Emma_18, Tweety_18
- Track 93 : Bubbles123_19
- Track 94 : Stap_19
- Track 95 : Wachhund_18
- Track 96 : Phalconet_18
- Track 97 : Oksu_19
- Track 98 : Quico_19, Girafales_19, Florinda_18
- Track 99 : Guppsters_19
- Track 100 : Estave1_18
- Track 101 : Mahavrat_18, Juniper1_18
- Track 102 : Ovechkin_18
- Track 103 : Ardmore_18
- Track 104 : Krakatau_19
- Track 105 : Hegedechwinu_19
- Track 106 : Eish_18
- Track 107 : Hamulus_18
- Track 108 : Sandalphon_19
- Track 109 : SiSi_18
- Track 110 : Poenanya_18, Doomphist_18
- Track 111 : SassyB_18, PopTart_18
- Track 112 : Seagreen_19
- Track 113 : Cornucopia_19, Marker_19
- Track 114 : Leperchaun_18
- Track 115 : Eradicator_18

- Track 116 : Maravista_18
- Track 117 : Empress_19
- Track 118 : Melissauren88_18
- Track 119 : Zizzle_18
- Track 120 : Beakin_19
- Track 121 : Bipolar_18
- Track 122 : MadMen_19
- Track 123 : DillTech15_18
- Track 124 : FreddyB_18
- Track 125 : BodEinwohner17_18
- Track 126 : Byougenkin_18
- Track 127 : Fastidio_18
- Track 128 : DirtMcgirt_19
- Track 129 : Rita_18
- Track 130 : Latretium_19
- Track 131 : StAnnes_18
- Track 132 : Frankie_19
- Track 133 : Kenuha5_18
- Track 134 : Zapner_25, Jabbawokkie_26
- Track 135 : Avani_24
- Track 136 : Soul22_24
- Track 137 : Demsculpinboyz_24
- Track 138 : Che9d_24
- Track 139 : Yoshi_24
- Track 140 : LunaStella_20
- Track 141 : ThetaBob_20
- Track 142 : Renaud18_20
- Track 143 : Cornie_20
- Track 144 : Cambiare_23
- Track 145 : Avocado_22
- Track 146 : Pace1224_22, FlagStaff_22
- Track 147 : Pinnie_23
- Track 148 : MOOREtheMARYer_23
- Track 149 : Lemuria_23
- Track 150 : Mercurio_24
- Track 151 : Jolie2_22
- Track 152 : Antsirabe_22
- Track 153 : Stargaze_22
- Track 154 : Puissant_28
- Track 155 : Damien_29, Cborch11_30, Beckerton_29, Megatron06_31
- Track 156 : Thumb_29
- Track 157 : Oaker_29
- Track 158 : Konstantine_34, Phreeze_29
- Track 159 : Brujita_21, Island3_21
- Track 160 : Courthouse_36, Squint_35, Porcelain_35, Ariel_36, Superphikiman_36, Lucky2013_36
- Track 161 : LittleE_39
- Track 162 : MiaZeal_36
- Track 163 : Optimus_37
- Track 164 : Wanda_39, BAKA_36, Omega_38
- Track 165 : Duke13_36
- Track 166 : Minerva_39
- Track 167 : Gonephishing_34

- Track 168 : Hannaconda_33, KashFlow_30
- Track 169 : DmpstrDiver_37
- Track 170 : Durfee_27, Dalmuri_27, Inky_27, Jeckyll_27, Capricorn_27, BGIlluviae_27, AlishaPH_27, Pokerus_26, Ramen_27, Boiiii_27, Belladonna_27, Peel_27, Padfoot_27, Asayake_27, Twitch_27, CaseJules_27, Llorens_27, Piatt_27, JAWS_27, BEEST_27, BaghaKamala_27, Hyperbowlee_27, Jarvi_27, Spock_27, BarrelRoll_27, Topper_27, CREW_27, Blizzard_27, Homura_27, Rosmarinus_27, ShiaSurprise_27, Lunahalos_27
- Track 171 : MarkPhew_27
- Track 172 : Sulley_27, Angelica_27, Deby_27
- Track 173 : Joy99_27
- Track 174 : CrimD_27
- Track 175 : Prithvi_27, TreyKay_27, LindNT_27
- Track 176 : Adonis_27
- Track 177 : Zavala_27, Mynx_27, Emerson_27, Padpat_27, TruffulaTree_27
- Track 178 : HedwigODU_27, Veliki_27, Zabiza_28, Rapunzel97_27, Jayhawk_28, Adephagia_27, Slimphazie_27, ActinUp_27
- Track 179 : Anaya_28
- Track 180 : LeMond_26
- Track 181 : Illumine_27, Devera_27, Dole_27
- Track 182 : Guanica15_27, Yunkel11_27, Efra2_27
- Track 183 : Geraldini_27, MeaningOfLife_27
- Track 184 : Tachez_27, YoureAdopted_26, Atiba_27
- Track 185 : DrHayes_27, Urkel_27, SamuelLPlaqson_27
- Track 186 : Megsy_27
- Track 187 : Murucutumbu_27
- Track 188 : CheetoDust_27
- Track 189 : Stinson_28
- Track 190 : Ganymede_28, QuincyRose_26
- Track 191 : Apocalypse_27
- Track 192 : Bella96_27
- Track 193 : TaiwanKao_28
- Track 194 : Beezoo_27
- Track 195 : TiniBug_27
- Track 196 : Tiri_27
- Track 197 : Chris_26
- Track 198 : Oscar_26
- Track 199 : KiSi_26
- Track 200 : Ageofdapage_27
- Track 201 : Scarlett_26
- Track 202 : Nibb_26
- Track 203 : LaterM_27
- Track 204 : Marshawn_28
- Track 205 : SirPhilip_26
- Track 206 : Aminay_25
- Track 207 : Boilgate_24
- Track 208 : Krili_57, SchoolBus_58, Idergollasper_58, Mori_58, Alkhayr_56, Schuy_59, Familton_59, Winget_59, TelAviv_55, MadKillah_59, NiebruSaylor_57, Blessica_59, Catdawg_58, JangDynasty_58, FoulBall_55, Vorrrps_58
- Track 209 : YungJamal_63, Wildflower_58, Corndog_61, Shida_58, Dylan_58, Murai_59, Ashwin_60, Zakhe101_58
- Track 210 : Ryadel_62
- Track 211 : Smooch_61, Firecracker_59

- Track 212 : Bora_56
- Track 213 : Shipwreck_20, Bogie_20
- Track 214 : Pygmy_20
- Track 215 : MaryV_43, Wildcat_43
- Track 216 : Cosmo_43
- Track 217 : Azrael100_42
- Track 218 : EniyanLRS_40
- Track 219 : Gaia_21
- Track 220 : Nebkiss_22
- Track 221 : Kumao_30
- Track 222 : MooMoo_18

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

The start number called the most often in the published annotations is 30, it was called in 239 of the 498 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alexphander_20, Alkhayr_56, AlpineSix_18, ArcusAngelus_18, Ardmore_18, Ariel_36, Ashwin_60, Aubs_18, Awesomesauce_19, BAKA_36, Batiatus_18, Beakin_19, Bipolar_18, Blessica_59, Blexus_18, BlueCrab_18, BobaPhett_18, Bobi_20, BodEinwohner17_18, Boomer_19, Bora_56, Bubbles123_19, Burwell21_18, BuzzLyseyear_20, ByChance_18, Byougenkin_18, Cabrinians_18, CaptainTrips_19, Catdawg_58, Che8_18, Chevrolet_17, ChickenDinner_19, Chuckly_18, Coco12_20, Corndog_61, Cornucopia_19, Courthouse_36, DLane_18, DRBy19_18, DaWorst_20, DaddyRickover_18, Daenerys_18, Dante_18, DeadP_18, Deb65_18, DillTech15_18, DirtMcgirt_19, DmpstrDiver_37, DocMcStuffins_19, Donkeykong_18, Doomphist_18, Dorothy_18, DosHalletts_19, DotProduct_18, Doug_19, Drago_19, Duke13_36, Dylan_58, Eish_18, EleanorGeorge_18, Emma_18, Empress_19, Enby_19, Eradicator_18, Estave1_18, Familton_59, Fancypants_18, Fastidio_18, Filuzino_18, Firecracker_59, Firehouse51_19, Flathead_19, Florinda_18, FoulBall_55, Frankie_19, FreddyB_18, Fruitloop_18, GUmbe_18, Galactic_18, Gandolph_18, Geralt_18, GigiOuiOui_18, Girafales_19, Girr_18, Gorge_18, Guppsters_19, Hades_18, Hamulus_18, Hannaconda_33, Harley_18, Hegedechwinu_19, Hlubikazi_18, lbOuu_18, lbhubesi_18, Idergollasper_58, Inventum_18, IrishSherpFalk_19, JalFarm20_20, James_18, JangDynasty_58, Jarcob_18, Jinglebell_18, Job42_21, JoeyJr_18, Juice456_20, Juniper1_18, Karhdo_18, KashFlow_30, Kenuha5_18, Kersh_19, Kimberlium_20, KingMidas_19, Kingsley_19, Krakatau_19, Krili_57, KristaRAM_19, Latretium_19, Leozinho_19, Leperchaun_18, LilMoolah_18, LittleE_39, LittleShirley_19, Lizziana_18, Llama_18, Llij_18, Lorde_19, Lucky2013_36, LunaBlu_19, MadKillah_59, MadMen_19, Madiba_19, Mahavrat_18, Mandlovu_18, Mantra_18, Maravista_18, Marker_19, Martik_18, Mattes_18, MiaZeal_36, MilleniumForce_19, Minerva_39, MinionDave_19, Minnie_19, Misha28_19, MisterCuddles_18, Modragons_18, MooMoo_18, Moonbeam_19, Mori_58, Mova_19, Mozy_19, Murai_59, Mutaforma13_18, NiebruSaylor_57, Nimbo_18, Nitzel_19, Nivrat_18, NormanBulbieJr_18, Ochi17_18, OfUltron_18, Ogopogo_21, Oksu_19, OldBen_18, OlympiaSaint_18, Omega_38, Optimus_37, Ovechkin_18, OwlsT2W_20, PHappiness_18, PMC_18, Pacc40_18, Phalconet_18, Phanphagia_18, Phasih_19, Phatniss_19, PhesterPotato_18, Philus_18, Piper2020_19, Plumbus_19, Poenanya_18, Polka14_19, Pollywog_21, PopTart_18,

Porcelain_35, Priscilla_18, QuickMath_19, Quico_19, Radiance_18, Ramsey_19, RedBird_18, Rialto_20, RitaG_18, Rita_18, Rockne_18, RockyHorror_19, Royals2015_18, Ruby_18, Ryadel_62, SG4_18, Saal_18, Sabbb_19, Sandalphon_19, Sassafras_18, SassyB_18, SchoolBus_58, Schuy_59, Scottish_19, Seabastian_18, Seagreen_19, Shauna1_18, ShiLan_18, Shida_58, ShowerHandel_18, ShroomBoi_18, SiSi_18, SimranZ1_19, Smooch_61, Sparkdehlily_18, Spartacus_19, Spikelee_19, Spoonbill_18, Squint_35, StAnnes_18, Stap_19, Starcevich_19, Strokeseat_18, SuperGrey_19, Superphikiman_36, SwagPiggett_18, TDanisky_18, Taj_18, TelAviv_55, TootsiePop_19, Tootsieroll_19, Totinger_19, Tweety_18, UncleRicky_19, VRedHorse_18, Veteran_18, Vorrps_58, Wachhund_18, Wanda_39, Wee_19, Whatsapiecost_18, Whouxphf_18, Wildflower_58, WillSterrel_19, Winget_59, XFactor_18, Yorick_18, YungJamal_63, Zakhe101_58, Zerg_18, Zizzle_18,

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

- Avani_24, Che9d_24, Demsculpinboyz_24, Gonephishing_34, Jabbawokkie_26, Melissauren88_18, Soul22_24, Yoshi_24, Zapner_25,

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

- 244_28, 39HC_026, 40BC_026, ABCat_25, ActinUp_27, Adephagia_27, Adnama_29, Adonis_27, Ageofdapage_27, AlishaPH_27, Amao_26, AmericanBeauty_29, Aminay_25, Anaya_28, Angelica_27, Antsirabe_22, Apocalypse_27, Argent26_28, Asayake_27, Asriel_25, Atiba_27, Avocado_22, Azrael100_42, BEEEST_27, BGlluviae_27, BaboJay_25, BadStone_25, BaghaKamala_27, Balomoji_25, Barbarian_25, BarrelRoll_27, Bask21_26, Beckerton_29, Beezoo_27, Bella96_27, Belladonna_27, Bench_28, BigBubba_27, BilboSwaggins_26, BirdsNest_33, Blarby_25, Blizzard_27, Bogie_20, Boiiii_27, Boilgate_24, Bruin_26, Brujita_21, Buck_25, BugsBunny_24, CREW_27, Cactus_27, Cambiare_23, Capricorn_27, CaseJules_27, Cborch11_30, CheetoDust_27, ChosenOne_25, ChotaBhai_26, Chris_26, Cjw1_26, Command613_27, Contagion_25, Cookies_26, Cornie_20, Cosmo_43, CrimD_27, CrystalP_26, Czyszczon1_27, Daikon_24, Dalmuri_27, Damien_29, Deby_27, Devera_27, DoctorDiddles_26, Dole_27, DrDrey_27, DrHayes_27, Dumbo_26, Durfee_27, Dusk_25, Easy2Say_28, Efra2_27, Elite2014_25, Elph10_27, Emerson_27, Emmina_27, EniyanLRS_40, Eureka_26, Filch_27, FireRed_26, FlagStaff_22, Flypotenuse_24, Funsized_34, Gage_28, Gaia_21, Ganymede_28, Gator_24, Gemini_29, Geraldini_27, Glexan_24, Goku_26, GoldenSpark_28, Goldilocks_27, GooberAzure_28, Guanica15_27, HanKaySha_27, Harella_25, Hawkeye_32, HedwigODU_27, Henry_26, Highbury_27, Holt_27, Homura_27, Hoonter_28, Hopey_28, Hosp_024, HufflyPuff_25, Hyperbowlee_27, IHOP_26, Icee_25, Illumine_27, Inca_25, Inky_27, Island3_21, JAWS_27, Jarvi_27, Jayhawk_28, JeTaima_28, Jeckyll_27, Jolie1_026, Jolie2_22, Joy99_27, Kanye_28, KayaCho_26, KiSi_26, Kimchi_28, Konstantine_34, Kostya_26, Kumao_30, LaterM_27, LeMond_26, Lemuria_23, LilMcDreamy_27, Lilac_28, Lilizi_28, Lilpickle_25, LindNT_27, Llorens_27, LunaStella_20, Lunahalos_27, MISSy_25, MOOREtheMARYer_23, MPhalcon_25, MadamMonkfish_26, Manda_27, MarkPhew_27, Marshawn_28, Marshmallow_26, MaryV_43, Maxxinista_27, MeaningOfLife_27, Megatron06_31, Megsy_27, Mercurio_24, Mindy_26, Miniwave_26, Misfit_26, Moldemort_27, Mosby_25, Murica_25, Murphy_27, Murucutumbu_27, Mynx_27, Myrale_26, Nala_26, Nebkiss_22, NelitzaMV_26, Nibb_26, Nimrod_26, NoShow_21, NoSleep_27, Oaker_29, OrionPax_27, Oscar_26, Pace1224_22, Padfoot_27, Padpat_27, Palpatine_26, Paperbeatsrock_28, Pat3_25, Peel_27, Petra64142_28, Phaja_26, Pharsalus_27, PhatBacter_26, Phaux_25,

Phreeze_29, Phrux_26, Piatt_27, Pinnie_23, Pokerus_26, Policronamos_26, Porky_26, Prithvi_27, Puissant_28, Pumpkin_28, Pygmy_20, Quallification_27, QuincyRose_26, Rakim_27, Ramen_27, Rapunzel97_27, Renaud18_20, Rimmer_25, RiverMonster_26, Rosmarinus_27, Saints25_27, SamuelLPlaqson_27, Sassay_25, Scarlett_26, ShamWow_26, ShereKhan_28, ShiaSurprise_27, Shipwreck_20, Simpliphy_27, SirDuracell_25, SirPhilip_26, Slimphazie_27, SophKB_26, Sotrice96_26, Spock_27, Stank_29, Stargaze_22, Stark_27, StellaBean_26, Stinson_28, StolenFromERC_28, Sulley_27, TBrady12_28, Tachez_27, TaiwanKao_28, Tarkin_28, TeardropMSU_25, Teaspoon_27, Terminus_26, ThetaBob_20, Thresher_27, Thumb_29, TiniBug_27, Tiri_27, Tomaszewski_25, Topper_27, Toto_26, Traaww1_24, TreyKay_27, TruffulaTree_27, Tuco_27, Twitch_27, Ukulele_26, Urkel_27, Veliki_27, Wiggin_29, Wildcat_43, Willez_25, Xandras_28, YassJohnny_27, Youngblood_26, YoureAdopted_26, Yunkel11_27, Zabiza_28, Zavala_27, xkcd_27,

Summary by start number:

Start 1:

- Found in 1 of 535 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hawkeye_32 (D2),

Start 2:

- Found in 9 of 535 (1.7%) of genes in pham
- Manual Annotations of this start: 8 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beckerton_29 (H1), Cborch11_30 (H1), Damien_29 (H1), Konstantine_34 (H1), Megatron06_31 (H1), Oaker_29 (H1), Phreeze_29 (H1), Puissant_28 (H1), Thumb_29 (H1),

Start 16:

- Found in 7 of 535 (1.3%) of genes in pham
- Manual Annotations of this start: 7 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avani_24 (F2), Che9d_24 (F2), Demsculpinboyz_24 (F2), Jabbawokkie_26 (F2), Soul22_24 (F2), Yoshi_24 (F2), Zapner_25 (F2),

Start 18:

- Found in 1 of 535 (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: Blarby_25 (F),

Start 19:

- Found in 18 of 535 (3.4%) of genes in pham
- Manual Annotations of this start: 11 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_026 (B6), 40BC_026 (B6), Antsirabe_22 (G5), Avocado_22 (G2), Cambiare_23 (G2), FlagStaff_22 (G2), Funsized_34 (B9), Hosp_024 (B6), Jolie1_026 (B6), Jolie2_22 (G4), KayaCho_26 (B6), Lemuria_23 (G4), LilMcDreamy_27 (B12), MOOREtheMARYer_23 (G3),

Mercurio_24 (G4), Pace1224_22 (G2), Pinnie_23 (G3), Stargaze_22 (G5),

Start 20:

- Found in 2 of 535 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brujita_21 (I1), Island3_21 (I1),

Start 22:

- Found in 2 of 535 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_21 (X), Nebkiss_22 (X),

Start 23:

- Found in 1 of 535 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_33 (B13),

Start 25:

- Found in 81 of 535 (15.1%) of genes in pham
- Manual Annotations of this start: 3 of 498
- Called 3.7% of time when present
- Phage (with cluster) where this start called: Bogie_20 (P1), Pygmy_20 (P1), Shipwreck_20 (P1),

Start 28:

- Found in 6 of 535 (1.1%) of genes in pham
- Manual Annotations of this start: 6 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_42 (V), Cosmo_43 (V), EniyanLRS_40 (V), Kumao_30 (singleton), MaryV_43 (V), Wildcat_43 (V),

Start 30:

- Found in 263 of 535 (49.2%) of genes in pham
- Manual Annotations of this start: 239 of 498
- Called 96.6% of time when present
- Phage (with cluster) where this start called: Alexphander_20 (F1), Alkhayr_56 (O), AlpineSix_18 (F1), ArcusAngelus_18 (F1), Ardmore_18 (F1), Ariel_36 (J), Ashwin_60 (O), Aubs_18 (F1), Awesomesauce_19 (F1), BAKA_36 (J), Batiatus_18 (F1), Beakin_19 (F1), Bipolar_18 (F1), Blessica_59 (O), Blexus_18 (F1), BlueCrab_18 (F1), BobaPhett_18 (F1), Bobi_20 (F1), BodEinwohner17_18 (F1), Boomer_19 (F1), Bora_56 (O), Bubbles123_19 (F1), Burwell21_18 (F1), BuzzLyseyear_20 (F1), ByChance_18 (F1), Byougenkin_18 (F1), Cabrinians_18 (F1), CaptainTrips_19 (F1), Catdawg_58 (O), Che8_18 (F1), Chevrolet_17 (F1), ChickenDinner_19 (F1), Chuckly_18 (F1), Coco12_20 (F1), Corndog_61 (O), Cornucopia_19 (F1), Courthouse_36 (J), DLane_18 (F1), DRBy19_18 (F1), DaWorst_20 (F1), DaddyRickover_18 (F1), Daenerys_18 (F1), Dante_18 (F1), DeadP_18 (F1), Deb65_18 (F1), DillTech15_18 (F1), DirtMcgirt_19 (F1), DmpstrDiver_37 (J), DocMcStuffins_19 (F1), Donkeykong_18 (F1), Doomphist_18 (F1), Dorothy_18 (F1), DosHalletts_19 (F1), DotProduct_18 (F1), Doug_19 (F1), Drago_19 (F1), Duke13_36 (J), Dylan_58 (O), Eish_18 (F1), EleanorGeorge_18 (F1), Emma_18 (F1),

Empress_19 (F1), Enby_19 (F1), Eradicator_18 (F1), Estave1_18 (F1), Familton_59 (O), Fancypants_18 (F1), Fastidio_18 (F1), Filuzino_18 (F1), Firecracker_59 (O), Firehouse51_19 (F1), Flathead_19 (F1), Florinda_18 (F1), FoulBall_55 (O), Frankie_19 (F1), FreddyB_18 (F1), Fruitloop_18 (F1), GUmbie_18 (F1), Galactic_18 (F1), Gandolph_18 (F1), Geralt_18 (F1), GigiOuiOui_18 (F1), Girafales_19 (F1), Girr_18 (F1), Gorge_18 (F1), Guppsters_19 (F1), Hades_18 (F1), Hamulus_18 (F1), Hannaconda_33 (J), Harley_18 (F1), Hegedechwinu_19 (F1), Hlubikazi_18 (F1), IbOuu_18 (F1), Ibhubesi_18 (F1), Idergollasper_58 (O), Inventum_18 (F1), IrishSherpFalk_19 (F1), JalFarm20_20 (F1), James_18 (F1), JangDynasty_58 (O), Jarcob_18 (F1), Jinglebell_18 (F1), Job42_21 (F1), JoeyJr_18 (F1), Juice456_20 (F1), Juniper1_18 (F1), Karhdo_18 (F1), KashFlow_30 (J), Kenuha5_18 (F1), Kersh_19 (F1), Kimberlium_20 (F1), KingMidas_19 (F1), Kingsley_19 (F1), Krakatau_19 (F1), Krili_57 (O), KristaRAM_19 (F1), Latretium_19 (F1), Leozinho_19 (F1), Leperchaun_18 (F1), LilMoolah_18 (F1), LittleE_39 (J), LittleShirley_19 (F1), Lizziana_18 (F1), Llama_18 (F1), Llij_18 (F1), Lorde_19 (F1), Lucky2013_36 (J), LunaBlu_19 (F1), MadKillah_59 (O), MadMen_19 (F1), Madiba_19 (F1), Mahavrat_18 (F1), Mandlovu_18 (F1), Mantra_18 (F1), Maravista_18 (F1), Marker_19 (F1), Martik_18 (F1), Mattes_18 (F1), MiaZeal_36 (J), MilleniumForce_19 (F1), Minerva_39 (J), MinionDave_19 (F1), Minnie_19 (F1), Misha28_19 (F1), MisterCuddles_18 (F1), Modragons_18 (F1), MooMoo_18 (singleton), Moonbeam_19 (F1), Mori_58 (O), Mova_19 (F1), Mozy_19 (F1), Murai_59 (O), Mutaforma13_18 (F1), NiebruSaylor_57 (O), Nimbo_18 (F1), Nitzel_19 (F1), Nivrat_18 (F1), NormanBulbieJr_18 (F1), Ochi17_18 (F1), OfUltron_18 (F1), Ogopogo_21 (F1), Oksu_19 (F1), OldBen_18 (F1), OlympiaSaint_18 (F1), Omega_38 (J), Optimus_37 (J), Ovechkin_18 (F1), OwlsT2W_20 (F1), PHappiness_18 (F1), PMC_18 (F1), Pacc40_18 (F1), Phalconet_18 (F1), Phanphagia_18 (F1), Phasih_19 (F1), Phatniss_19 (F1), PhesterPotato_18 (F1), Philus_18 (F1), Piper2020_19 (F1), Plumbus_19 (F1), Poenanya_18 (F1), Polka14_19 (F1), Pollywog_21 (F1), PopTart_18 (F1), Porcelain_35 (J), Priscilla_18 (F1), QuickMath_19 (F1), Quico_19 (F1), Radiance_18 (F1), Ramsey_19 (F1), RedBird_18 (F1), Rialto_20 (F1), RitaG_18 (F1), Rita_18 (F1), Rockne_18 (F1), RockyHorror_19 (F1), Royals2015_18 (F1), Ruby_18 (F1), Ryadel_62 (O), SG4_18 (F1), Saal_18 (F1), Sabbb_19 (F1), Sandalphon_19 (F1), Sassafras_18 (F1), SassyB_18 (F1), SchoolBus_58 (O), Schuy_59 (O), Scottish_19 (F1), Sebastian_18 (F1), Seagreen_19 (F1), Shauna1_18 (F1), ShiLan_18 (F1), Shida_58 (O), ShowerHandel_18 (F1), ShroomBoi_18 (F1), SiSi_18 (F1), SimranZ1_19 (F1), Smooch_61 (O), Sparkdehlily_18 (F1), Spartacus_19 (F1), Spikelee_19 (F1), Spoonbill_18 (F1), Squint_35 (J), StAnnes_18 (F1), Stap_19 (F1), Starceвич_19 (F1), Strokeseat_18 (F1), SuperGrey_19 (F1), Superphikiman_36 (J), SwagPigglett_18 (F1), TDanisky_18 (F1), Taj_18 (F1), TelAviv_55 (O), TootsiePop_19 (F1), Tootsieroll_19 (F1), Totinger_19 (F1), Tweety_18 (F1), UncleRicky_19 (F1), VRedHorse_18 (F1), Veteran_18 (F1), Vorrrps_58 (O), Wachhund_18 (F1), Wanda_39 (J), Wee_19 (F1), Whatsapiecost_18 (F1), Whouxphf_18 (F1), Wildflower_58 (O), WillSterrel_19 (F1), Winget_59 (O), XFactor_18 (F1), Yorick_18 (F1), YungJamal_63 (O), Zakhe101_58 (O), Zerg_18 (F1), Zizzle_18 (F1),

Start 31:

- Found in 2 of 535 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 498
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cornie_20 (F5),

Start 32:

- Found in 3 of 535 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 498
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LunaStella_20 (F4), Renaud18_20 (F4), ThetaBob_20 (F4),

Start 46:

- Found in 176 of 535 (32.9%) of genes in pham
- Manual Annotations of this start: 1 of 498
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Melissauren88_18 (F1),

Start 57:

- Found in 95 of 535 (17.8%) of genes in pham
- Manual Annotations of this start: 90 of 498
- Called 98.9% of time when present
- Phage (with cluster) where this start called: ActinUp_27 (K1), Adephagia_27 (K1), Adonis_27 (K1), Ageofdapage_27 (K1), AlishaPH_27 (K1), Aminay_25 (K7), Anaya_28 (K1), Angelica_27 (K1), Apocalypse_27 (K1), Asayake_27 (K1), Atiba_27 (K1), BEEEST_27 (K1), BGlluviae_27 (K1), BaghaKamala_27 (K1), BarrelRoll_27 (K1), Beezoo_27 (K1), Bella96_27 (K1), Belladonna_27 (K1), Blizzard_27 (K1), Boiii_27 (K1), Boilgate_24 (K8), CREW_27 (K1), Capricorn_27 (K1), CaseJules_27 (K1), CheetoDust_27 (K1), Chris_26 (K1), CrimD_27 (K1), Dalmuri_27 (K1), Deby_27 (K1), Devera_27 (K1), Dole_27 (K1), DrHayes_27 (K1), Durfee_27 (K1), Efra2_27 (K1), Emerson_27 (K1), Ganymede_28 (K1), Geraldini_27 (K1), Guanica15_27 (K1), HedwigODU_27 (K1), Homura_27 (K1), Hyperbowlee_27 (K1), Illumine_27 (K1), Inky_27 (K1), JAWS_27 (K1), Jarvi_27 (K1), Jayhawk_28 (K1), Jeckyll_27 (K1), Joy99_27 (K1), KiSi_26 (K1), LaterM_27 (K1), LeMond_26 (K1), LindNT_27 (K1), Llorens_27 (K1), Lunahalos_27 (K1), MarkPhew_27 (K1), Marshawn_28 (K6), MeaningOfLife_27 (K1), Megsy_27 (K1), Murucutumbu_27 (K1), Mynx_27 (K1), Nibb_26 (K1), Oscar_26 (K1), Padfoot_27 (K1), Padpat_27 (K1), Peel_27 (K1), Piatt_27 (K1), Pokerus_26 (K1), Prithvi_27 (K1), QuincyRose_26 (K1), Ramen_27 (K1), Rapunzel97_27 (K1), Rosmarinus_27 (K1), SamuelLPlaqson_27 (K1), Scarlett_26 (K1), ShiaSurprise_27 (K1), SirPhilip_26 (K6), Slimphazie_27 (K1), Spock_27 (K1), Stinson_28 (K1), Sulley_27 (K1), Tachez_27 (K1), TaiwanKao_28 (K1), TiniBug_27 (K1), Tiri_27 (K1), Topper_27 (K1), TreyKay_27 (K1), TruffulaTree_27 (K1), Twitch_27 (K1), Urkel_27 (K1), Veliki_27 (K1), YoureAdopted_26 (K1), Yunkel11_27 (K1), Zabiza_28 (K1), Zavala_27 (K1),

Start 66:

- Found in 133 of 535 (24.9%) of genes in pham
- Manual Annotations of this start: 122 of 498
- Called 97.7% of time when present
- Phage (with cluster) where this start called: 244_28 (E), ABCat_25 (E), Adnama_29 (E), Amao_26 (E), AmericanBeauty_29 (E), Argent26_28 (E), Asriel_25 (E), BaboJay_25 (E), BadStone_25 (E), Balomoji_25 (E), Barbarian_25 (E), Bask21_26 (E), Bench_28 (E), BigBubba_27 (E), BilboSwaggins_26 (E), Bruin_26 (E), Buck_25 (E), BugsBunny_24 (E), Cactus_27 (E), ChosenOne_25 (E), ChotaBhai_26 (E), Cjw1_26 (E), Command613_27 (E), Contagion_25 (E), Cookies_26 (E), CrystalP_26 (E), Czyszczonek1_27 (E), Daikon_24 (E), DoctorDiddles_26 (E), DrDrey_27 (E), Dumbo_26 (E), Dusk_25 (E), Easy2Say_28 (E), Elite2014_25 (E), Elph10_27 (E), Emmina_27 (E), Eureka_26 (E), Filch_27 (E), FireRed_26 (E), Flypotenuse_24 (E), Gage_28 (E), Gator_24 (E), Gemini_29 (E), Glexan_24 (E), Goku_26 (E),

GoldenSpark_28 (E), Goldilocks_27 (E), GooberAzure_28 (E), HanKaySha_27 (E), Harella_25 (E), Henry_26 (E), Highbury_27 (E), Holt_27 (E), Hoonter_28 (E), Hokey_28 (E), HuffyPuff_25 (E), IHOP_26 (E), Icee_25 (E), Inca_25 (E), JeTaimé_28 (E), Kanye_28 (E), Kimchi_28 (E), Kostya_26 (E), Lilac_28 (E), Lilizi_28 (E), Lilpickle_25 (E), MISSy_25 (E), MPhalcon_25 (E), MadamMonkfish_26 (E), Manda_27 (E), Marshmallow_26 (E), Maxxinista_27 (E), Mindy_26 (E), Miniwave_26 (E), Misfit_26 (E), Moldemort_27 (E), Mosby_25 (E), Murica_25 (E), Murphy_27 (E), Myrale_26 (E), Nala_26 (E), NelitzaMV_26 (E), Nimrod_26 (E), NoSleep_27 (E), OrionPax_27 (E), Palpatine_26 (E), Paperbeatsrock_28 (E), Pat3_25 (E), Petra64142_28 (E), Phaja_26 (E), Pharsalus_27 (E), PhatBacter_26 (E), Phaux_25 (E), Phrux_26 (E), Policronamos_26 (E), Porky_26 (E), Pumpkin_28 (E), Quallification_27 (E), Rakim_27 (E), Rimmer_25 (E), RiverMonster_26 (E), Saints25_27 (E), Sassay_25 (E), ShamWow_26 (E), ShereKhan_28 (E), Simpliphy_27 (E), SirDuracell_25 (E), SophKB_26 (E), Sotrice96_26 (E), Stank_29 (E), Stark_27 (E), StellaBean_26 (E), StolenFromERC_28 (E), TBrady12_28 (E), Tarkin_28 (E), TeardropMSU_25 (E), Teaspoon_27 (E), Terminus_26 (E), Thresher_27 (E), Tomaszewski_25 (E), Toto_26 (E), Traaww1_24 (E), Tuco_27 (E), Ukulele_26 (E), Wiggin_29 (E), Willez_25 (E), Xandras_28 (E), YassJohnny_27 (E), Youngblood_26 (E), xkcd_27 (E),

Start 77:

- Found in 6 of 535 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 498
- Called 16.7% of time when present
- Phage (with cluster) where this start called: NoShow_21 (AB),

Start 105:

- Found in 235 of 535 (43.9%) of genes in pham
- No Manual Annotations of this start.
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Gonephishing_34 (J),

Summary by clusters:

There are 28 clusters represented in this pham: singleton, K1, AB, K7, K6, K8, G5, G4, G3, G2, I1, P1, E, F, J, O, V, X, F1, F2, F4, F5, H1, B6, B12, D2, B9, B13,

Info for manual annotations of cluster AB:

- Start number 77 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster B12:

- Start number 19 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 23 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B6:

- Start number 19 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:

- Start number 19 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster D2:

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

Info for manual annotations of cluster E:

- Start number 66 was manually annotated 122 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 30 was manually annotated 195 times for cluster F1.
- Start number 46 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 16 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 32 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 31 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster G2:

- Start number 19 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 19 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 19 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 19 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster H1:

- Start number 2 was manually annotated 8 times for cluster H1.

Info for manual annotations of cluster I1:

- Start number 20 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 30 was manually annotated 17 times for cluster J.

Info for manual annotations of cluster K1:

- Start number 57 was manually annotated 86 times for cluster K1.

Info for manual annotations of cluster K6:

- Start number 57 was manually annotated 2 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 57 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 57 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster O:

- Start number 30 was manually annotated 26 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 25 was manually annotated 3 times for cluster P1.

Info for manual annotations of cluster V:

- Start number 28 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:

- Start number 22 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 244_28 Start: 22564, Stop: 24960, Start Num: 66

Candidate Starts for 244_28:

(Start: 66 @22564 has 122 MA's), (128, 22741), (132, 22762), (178, 22909), (205, 23083), (214, 23116), (220, 23152), (245, 23245), (266, 23305), (271, 23323), (299, 23455), (313, 23500), (342, 23632), (347, 23677), (365, 23737), (391, 23851), (394, 23872), (402, 23911), (405, 23932), (407, 23947), (437, 24097), (439, 24103), (441, 24121), (457, 24175), (470, 24259), (486, 24352), (527, 24598), (558, 24814), (571, 24898), (577, 24931),

Gene: 39HC_026 Start: 27572, Stop: 30067, Start Num: 19

Candidate Starts for 39HC_026:

(Start: 19 @27572 has 11 MA's), (37, 27629), (56, 27686), (100, 27806), (106, 27824), (125, 27896), (127, 27902), (138, 27956), (149, 27992), (188, 28175), (195, 28220), (201, 28259), (213, 28307), (216, 28313), (237, 28361), (244, 28391), (257, 28418), (266, 28454), (271, 28472), (276, 28496), (282, 28520), (299, 28604), (310, 28640), (320, 28670), (328, 28706), (332, 28724), (369, 28931), (371, 28943), (374, 28952), (387, 29021), (389, 29027), (390, 29030), (392, 29039), (397, 29069), (405, 29114), (407, 29129), (424, 29210), (426, 29222), (428, 29240), (430, 29246), (432, 29261), (434, 29267), (453, 29348), (468, 29420), (472, 29438), (474, 29453), (504, 29663), (506, 29684), (510, 29702), (556, 29999),

Gene: 40BC_026 Start: 27572, Stop: 30067, Start Num: 19

Candidate Starts for 40BC_026:

(Start: 19 @27572 has 11 MA's), (37, 27629), (56, 27686), (100, 27806), (106, 27824), (125, 27896), (127, 27902), (138, 27956), (149, 27992), (188, 28175), (195, 28220), (201, 28259), (213, 28307), (216, 28313), (237, 28361), (244, 28391), (257, 28418), (266, 28454), (271, 28472), (276, 28496), (282, 28520), (299, 28604), (310, 28640), (320, 28670), (328, 28706), (332, 28724), (369, 28931), (371, 28943), (374, 28952), (387, 29021), (389, 29027), (390, 29030), (392, 29039), (397, 29069), (405, 29114), (407, 29129), (424, 29210), (426, 29222), (428, 29240), (430, 29246), (432, 29261), (434, 29267), (453, 29348), (468, 29420), (472, 29438), (474, 29453), (504, 29663), (506, 29684), (510, 29702), (556, 29999),

Gene: ABCat_25 Start: 22283, Stop: 24679, Start Num: 66

Candidate Starts for ABCat_25:

(Start: 66 @22283 has 122 MA's), (128, 22460), (132, 22481), (178, 22628), (200, 22769), (205, 22802), (214, 22835), (220, 22871), (245, 22964), (266, 23024), (271, 23042), (290, 23123), (342, 23351), (347, 23396), (394, 23591), (395, 23597), (397, 23606), (405, 23651), (407, 23666), (439, 23822), (441, 23840), (444, 23849), (458, 23903), (470, 23978), (471, 23981), (503, 24191), (505, 24203), (527, 24317), (558, 24533), (571, 24617), (575, 24641), (577, 24650),

Gene: ActinUp_27 Start: 20881, Stop: 23313, Start Num: 57

Candidate Starts for ActinUp_27:

(Start: 57 @20881 has 90 MA's), (95, 20980), (166, 21241), (171, 21262), (204, 21469), (212, 21502), (218, 21532), (242, 21604), (247, 21628), (264, 21673), (295, 21826), (302, 21871), (306, 21883), (309, 21892), (324, 21943), (354, 22123), (359, 22138), (373, 22207), (377, 22219), (397, 22324), (405, 22363), (406, 22369), (407, 22378), (423, 22459), (432, 22507), (451, 22582), (458, 22618), (472, 22699), (476, 22720), (492, 22813), (504, 22909), (527, 23056), (533, 23098), (539, 23137), (550, 23212),

Gene: Adephagia_27 Start: 20878, Stop: 23310, Start Num: 57

Candidate Starts for Adephagia_27:

(Start: 57 @20878 has 90 MA's), (95, 20977), (166, 21238), (171, 21259), (204, 21466), (212, 21499), (218, 21529), (242, 21601), (247, 21625), (264, 21670), (295, 21823), (302, 21868), (306, 21880), (309, 21889), (324, 21940), (354, 22120), (359, 22135), (373, 22204), (377, 22216), (397, 22321), (405, 22360), (406, 22366), (407, 22375), (423, 22456), (432, 22504), (451, 22579), (458, 22615), (472, 22696), (476, 22717), (492, 22810), (504, 22906), (527, 23053), (533, 23095), (539, 23134), (550, 23209),

Gene: Adnama_29 Start: 22791, Stop: 25187, Start Num: 66

Candidate Starts for Adnama_29:

(Start: 66 @22791 has 122 MA's), (128, 22968), (132, 22989), (178, 23136), (205, 23310), (214, 23343), (220, 23379), (245, 23472), (266, 23532), (271, 23550), (299, 23682), (313, 23727), (342, 23859), (347, 23904), (365, 23964), (391, 24078), (394, 24099), (402, 24138), (405, 24159), (407, 24174), (437, 24324), (439, 24330), (441, 24348), (457, 24402), (470, 24486), (486, 24579), (527, 24825), (558, 25041), (571, 25125), (577, 25158),

Gene: Adonis_27 Start: 20884, Stop: 23316, Start Num: 57

Candidate Starts for Adonis_27:

(Start: 57 @20884 has 90 MA's), (95, 20983), (166, 21244), (171, 21265), (204, 21472), (212, 21505), (218, 21535), (242, 21607), (247, 21631), (264, 21676), (295, 21829), (302, 21874), (306, 21886), (309, 21895), (324, 21946), (354, 22126), (359, 22141), (373, 22210), (389, 22285), (397, 22327), (405, 22366), (406, 22372), (407, 22381), (410, 22402), (423, 22462), (450, 22579), (458, 22621), (470, 22693), (472, 22702), (476, 22723), (487, 22795), (492, 22816), (504, 22912), (515, 22975), (533, 23101), (539, 23140), (558, 23287),

Gene: Ageofdapage_27 Start: 20828, Stop: 23260, Start Num: 57

Candidate Starts for Ageofdapage_27:

(Start: 57 @20828 has 90 MA's), (95, 20927), (97, 20930), (130, 21056), (166, 21188), (171, 21209), (192, 21341), (212, 21449), (242, 21551), (247, 21575), (257, 21593), (264, 21620), (278, 21686), (295, 21773), (306, 21830), (309, 21839), (319, 21875), (324, 21890), (354, 22070), (359, 22085), (377, 22166), (389, 22229), (397, 22271), (405, 22310), (406, 22316), (407, 22325), (423, 22406), (430, 22439), (432, 22454), (433, 22457), (446, 22511), (450, 22523), (470, 22637), (472, 22646), (504, 22856), (533, 23045), (539, 23084), (558, 23231),

Gene: Alexphander_20 Start: 17923, Stop: 20460, Start Num: 30

Candidate Starts for Alexphander_20:

(Start: 30 @17923 has 239 MA's), (36, 17944), (Start: 46 @17965 has 1 MA's), (60, 18004), (93, 18073), (99, 18082), (100, 18085), (105, 18103), (115, 18136), (120, 18151), (158, 18310), (159, 18313), (168, 18343), (171, 18358), (184, 18436), (187, 18457), (188, 18460), (199, 18526), (214, 18601), (215, 18607), (224, 18649), (225, 18655), (226, 18658), (236, 18691), (238, 18697), (245, 18727), (255, 18748), (264, 18778), (266, 18787), (291, 18895), (294, 18907), (295, 18916), (296, 18919), (297, 18928), (298, 18934), (301, 18949), (303, 18952), (311, 18973), (324, 19015), (330, 19048), (356, 19189), (358, 19195), (369, 19249), (370, 19252), (377, 19279), (392, 19339), (394,

19354), (396, 19366), (397, 19369), (408, 19435), (412, 19459), (415, 19480), (417, 19489), (430, 19549), (431, 19552), (439, 19588), (441, 19606), (446, 19618), (448, 19627), (456, 19654), (466, 19723), (470, 19741), (472, 19750), (473, 19762), (478, 19798), (482, 19828), (498, 19909), (504, 19963), (515, 20023), (520, 20065), (533, 20143), (542, 20200), (546, 20224), (553, 20278), (558, 20326), (568, 20368), (570, 20392), (571, 20395),

Gene: AlishaPH_27 Start: 20871, Stop: 23303, Start Num: 57

Candidate Starts for AlishaPH_27:

(Start: 57 @20871 has 90 MA's), (95, 20970), (166, 21231), (171, 21252), (204, 21459), (212, 21492), (218, 21522), (242, 21594), (247, 21618), (295, 21816), (302, 21861), (306, 21873), (309, 21882), (324, 21933), (354, 22113), (359, 22128), (373, 22197), (377, 22209), (389, 22272), (397, 22314), (405, 22353), (406, 22359), (407, 22368), (410, 22389), (423, 22449), (450, 22566), (458, 22608), (470, 22680), (472, 22689), (476, 22710), (487, 22782), (492, 22803), (504, 22899), (527, 23046), (539, 23127), (558, 23274),

Gene: Alkhayr_56 Start: 35810, Stop: 38320, Start Num: 30

Candidate Starts for Alkhayr_56:

(Start: 30 @35810 has 239 MA's), (39, 35843), (63, 35912), (65, 35915), (73, 35939), (81, 35963), (87, 35987), (103, 36020), (155, 36227), (158, 36239), (159, 36242), (191, 36389), (194, 36419), (199, 36443), (206, 36473), (207, 36476), (214, 36503), (217, 36527), (225, 36557), (241, 36614), (246, 36638), (260, 36674), (264, 36686), (270, 36710), (271, 36713), (279, 36755), (301, 36851), (303, 36854), (362, 37109), (394, 37253), (405, 37313), (414, 37385), (415, 37388), (436, 37484), (470, 37658), (473, 37679), (491, 37772), (494, 37784), (504, 37874), (517, 37949), (532, 37994), (564, 38195), (569, 38249), (574, 38264),

Gene: AlpineSix_18 Start: 17634, Stop: 20171, Start Num: 30

Candidate Starts for AlpineSix_18:

(Start: 30 @17634 has 239 MA's), (36, 17655), (Start: 46 @17676 has 1 MA's), (60, 17715), (93, 17784), (99, 17793), (100, 17796), (105, 17814), (120, 17862), (158, 18021), (159, 18024), (170, 18066), (171, 18069), (184, 18147), (187, 18168), (188, 18171), (199, 18237), (200, 18246), (206, 18282), (214, 18312), (215, 18318), (224, 18360), (225, 18366), (226, 18369), (236, 18402), (238, 18408), (245, 18438), (255, 18459), (264, 18489), (266, 18498), (291, 18606), (294, 18618), (295, 18627), (296, 18630), (297, 18639), (298, 18645), (301, 18660), (303, 18663), (311, 18684), (324, 18726), (330, 18759), (356, 18900), (358, 18906), (369, 18960), (370, 18963), (377, 18990), (394, 19065), (396, 19077), (397, 19080), (408, 19146), (411, 19167), (412, 19170), (415, 19191), (426, 19242), (430, 19260), (431, 19263), (437, 19293), (441, 19317), (446, 19329), (466, 19434), (470, 19452), (472, 19461), (473, 19473), (478, 19509), (482, 19539), (488, 19560), (495, 19584), (498, 19620), (515, 19734), (520, 19776), (533, 19854), (542, 19911), (546, 19935), (553, 19989), (558, 20037), (568, 20079), (570, 20103), (571, 20106),

Gene: Amao_26 Start: 21488, Stop: 23884, Start Num: 66

Candidate Starts for Amao_26:

(Start: 66 @21488 has 122 MA's), (128, 21665), (132, 21686), (178, 21833), (200, 21974), (205, 22007), (220, 22076), (245, 22169), (266, 22229), (271, 22247), (299, 22379), (313, 22424), (342, 22556), (347, 22601), (391, 22775), (394, 22796), (402, 22835), (405, 22856), (407, 22871), (439, 23027), (441, 23045), (457, 23099), (470, 23183), (522, 23507), (558, 23738), (571, 23822), (577, 23855),

Gene: AmericanBeauty_29 Start: 22271, Stop: 24667, Start Num: 66

Candidate Starts for AmericanBeauty_29:

(Start: 66 @22271 has 122 MA's), (128, 22448), (132, 22469), (178, 22616), (200, 22757), (205, 22790), (214, 22823), (220, 22859), (245, 22952), (266, 23012), (271, 23030), (299, 23162), (313, 23207), (342, 23339), (347, 23384), (365, 23444), (391, 23558), (394, 23579), (402, 23618), (405,

23639), (407, 23654), (437, 23804), (439, 23810), (441, 23828), (457, 23882), (470, 23966), (486, 24059), (527, 24305), (558, 24521), (571, 24605), (577, 24638),

Gene: Aminay_25 Start: 21018, Stop: 23477, Start Num: 57

Candidate Starts for Aminay_25:

(Start: 57 @21018 has 90 MA's), (95, 21120), (135, 21264), (151, 21327), (160, 21360), (171, 21402), (203, 21609), (211, 21642), (222, 21693), (242, 21756), (244, 21771), (247, 21780), (249, 21786), (257, 21798), (285, 21921), (288, 21933), (301, 22011), (325, 22104), (328, 22119), (338, 22179), (348, 22251), (358, 22287), (367, 22332), (369, 22341), (380, 22380), (387, 22431), (389, 22437), (426, 22638), (432, 22677), (435, 22686), (476, 22878), (492, 22971), (509, 23109), (536, 23277),

Gene: Anaya_28 Start: 20897, Stop: 23329, Start Num: 57

Candidate Starts for Anaya_28:

(Start: 57 @20897 has 90 MA's), (62, 20906), (95, 20996), (166, 21257), (171, 21278), (212, 21518), (218, 21548), (247, 21644), (264, 21689), (295, 21842), (302, 21887), (306, 21899), (309, 21908), (324, 21959), (354, 22139), (359, 22154), (373, 22223), (397, 22340), (405, 22379), (406, 22385), (407, 22394), (423, 22475), (432, 22523), (433, 22526), (470, 22706), (472, 22715), (476, 22736), (492, 22829), (504, 22925), (515, 22988), (539, 23153), (550, 23228),

Gene: Angelica_27 Start: 20846, Stop: 23278, Start Num: 57

Candidate Starts for Angelica_27:

(Start: 57 @20846 has 90 MA's), (95, 20945), (166, 21206), (171, 21227), (204, 21434), (212, 21467), (218, 21497), (242, 21569), (247, 21593), (295, 21791), (302, 21836), (306, 21848), (309, 21857), (324, 21908), (354, 22088), (359, 22103), (373, 22172), (377, 22184), (389, 22247), (397, 22289), (405, 22328), (406, 22334), (407, 22343), (410, 22364), (423, 22424), (430, 22457), (432, 22472), (433, 22475), (446, 22529), (450, 22541), (470, 22655), (472, 22664), (476, 22685), (487, 22757), (492, 22778), (504, 22874), (539, 23102), (558, 23249),

Gene: Antsirabe_22 Start: 20760, Stop: 23216, Start Num: 19

Candidate Starts for Antsirabe_22:

(Start: 19 @20760 has 11 MA's), (49, 20850), (54, 20865), (55, 20868), (100, 20988), (125, 21063), (168, 21222), (188, 21339), (248, 21561), (267, 21612), (292, 21720), (294, 21729), (299, 21759), (301, 21771), (310, 21795), (316, 21816), (369, 22083), (372, 22098), (374, 22104), (389, 22179), (403, 22251), (405, 22266), (426, 22374), (432, 22413), (463, 22548), (472, 22590), (474, 22605), (476, 22617), (493, 22716), (510, 22854), (534, 23010), (556, 23154), (561, 23196),

Gene: Apocalypse_27 Start: 20849, Stop: 23281, Start Num: 57

Candidate Starts for Apocalypse_27:

(Start: 57 @20849 has 90 MA's), (79, 20906), (95, 20948), (166, 21209), (171, 21230), (204, 21437), (212, 21470), (218, 21500), (242, 21572), (247, 21596), (264, 21641), (295, 21794), (302, 21839), (306, 21851), (309, 21860), (324, 21911), (354, 22091), (359, 22106), (373, 22175), (377, 22187), (389, 22250), (397, 22292), (405, 22331), (406, 22337), (407, 22346), (410, 22367), (423, 22427), (430, 22460), (432, 22475), (433, 22478), (451, 22550), (458, 22586), (470, 22658), (472, 22667), (476, 22688), (487, 22760), (492, 22781), (504, 22877), (539, 23105), (558, 23252),

Gene: ArcusAngelus_18 Start: 17438, Stop: 19975, Start Num: 30

Candidate Starts for ArcusAngelus_18:

(Start: 30 @17438 has 239 MA's), (36, 17459), (Start: 46 @17480 has 1 MA's), (60, 17519), (93, 17588), (99, 17597), (100, 17600), (105, 17618), (115, 17651), (120, 17666), (158, 17825), (159, 17828), (168, 17858), (171, 17873), (184, 17951), (187, 17972), (188, 17975), (199, 18041), (214, 18116), (215, 18122), (224, 18164), (225, 18170), (226, 18173), (236, 18206), (238, 18212), (245, 18242), (255, 18263), (264, 18293), (266, 18302), (291, 18410), (294, 18422), (295, 18431), (296, 18434), (297, 18443), (298, 18449), (301, 18464), (303, 18467), (311, 18488), (324, 18530), (330,

18563), (356, 18704), (358, 18710), (369, 18764), (370, 18767), (377, 18794), (392, 18854), (394, 18869), (396, 18881), (397, 18884), (408, 18950), (412, 18974), (415, 18995), (417, 19004), (430, 19064), (431, 19067), (439, 19103), (441, 19121), (446, 19133), (448, 19142), (456, 19169), (466, 19238), (470, 19256), (472, 19265), (473, 19277), (478, 19313), (482, 19343), (498, 19424), (504, 19478), (515, 19538), (520, 19580), (533, 19658), (542, 19715), (546, 19739), (553, 19793), (558, 19841), (568, 19883), (570, 19907), (571, 19910),

Gene: Ardmore_18 Start: 17447, Stop: 19984, Start Num: 30

Candidate Starts for Ardmore_18:

(Start: 25 @17435 has 3 MA's), (Start: 30 @17447 has 239 MA's), (36, 17468), (Start: 46 @17489 has 1 MA's), (60, 17528), (93, 17597), (99, 17606), (100, 17609), (105, 17627), (115, 17660), (120, 17675), (131, 17723), (158, 17834), (159, 17837), (168, 17867), (170, 17879), (171, 17882), (184, 17960), (188, 17984), (199, 18050), (206, 18095), (214, 18125), (215, 18131), (217, 18149), (224, 18173), (226, 18182), (236, 18215), (238, 18221), (245, 18251), (260, 18290), (264, 18302), (266, 18311), (270, 18326), (271, 18329), (295, 18440), (296, 18443), (297, 18452), (298, 18458), (301, 18473), (303, 18476), (311, 18497), (321, 18527), (324, 18539), (330, 18572), (347, 18683), (349, 18686), (356, 18713), (358, 18719), (369, 18773), (370, 18776), (394, 18878), (396, 18890), (397, 18893), (408, 18959), (412, 18983), (415, 19004), (417, 19013), (430, 19073), (431, 19076), (439, 19112), (441, 19130), (446, 19142), (448, 19151), (456, 19178), (466, 19247), (470, 19265), (472, 19274), (473, 19286), (478, 19322), (482, 19352), (488, 19373), (498, 19433), (504, 19487), (515, 19547), (520, 19589), (542, 19724), (546, 19748), (553, 19802), (558, 19850), (568, 19892), (570, 19916), (571, 19919),

Gene: Argent26_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for Argent26_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (200, 22760), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (486, 24062), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: Ariel_36 Start: 27338, Stop: 29845, Start Num: 30

Candidate Starts for Ariel_36:

(Start: 30 @27338 has 239 MA's), (105, 27533), (115, 27569), (120, 27584), (142, 27671), (148, 27686), (171, 27761), (174, 27773), (181, 27800), (196, 27905), (203, 27944), (206, 27953), (214, 27977), (215, 27983), (217, 28001), (222, 28019), (226, 28034), (229, 28043), (232, 28052), (236, 28067), (243, 28094), (245, 28103), (260, 28142), (264, 28154), (266, 28163), (287, 28247), (303, 28328), (313, 28358), (314, 28361), (324, 28391), (329, 28418), (331, 28427), (339, 28478), (340, 28487), (342, 28490), (346, 28526), (351, 28547), (361, 28583), (395, 28736), (405, 28790), (412, 28835), (414, 28853), (415, 28856), (424, 28895), (455, 29042), (457, 29051), (467, 29120), (470, 29135), (498, 29300), (507, 29387), (518, 29435), (527, 29486), (538, 29564), (572, 29786), (574, 29789), (577, 29816),

Gene: Asayake_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Asayake_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Ashwin_60 Start: 36580, Stop: 39090, Start Num: 30

Candidate Starts for Ashwin_60:

(Start: 30 @36580 has 239 MA's), (39, 36613), (63, 36682), (65, 36685), (73, 36709), (81, 36733), (87, 36757), (103, 36790), (155, 36997), (158, 37009), (159, 37012), (191, 37159), (194, 37189), (199, 37213), (206, 37243), (207, 37246), (214, 37273), (217, 37297), (225, 37327), (241, 37384), (260, 37444), (264, 37456), (270, 37480), (271, 37483), (279, 37525), (301, 37621), (303, 37624), (362, 37879), (394, 38023), (405, 38083), (414, 38155), (415, 38158), (436, 38254), (470, 38428), (473, 38449), (491, 38542), (494, 38554), (504, 38644), (517, 38719), (532, 38764), (564, 38965), (569, 39019), (574, 39034),

Gene: Asriel_25 Start: 21152, Stop: 23548, Start Num: 66

Candidate Starts for Asriel_25:

(Start: 66 @21152 has 122 MA's), (128, 21329), (132, 21350), (178, 21497), (200, 21638), (205, 21671), (214, 21704), (220, 21740), (245, 21833), (266, 21893), (271, 21911), (290, 21992), (342, 22220), (347, 22265), (394, 22460), (395, 22466), (397, 22475), (405, 22520), (407, 22535), (439, 22691), (441, 22709), (444, 22718), (458, 22772), (470, 22847), (471, 22850), (503, 23060), (505, 23072), (527, 23186), (558, 23402), (571, 23486), (575, 23510), (577, 23519),

Gene: Atiba_27 Start: 20841, Stop: 23273, Start Num: 57

Candidate Starts for Atiba_27:

(Start: 57 @20841 has 90 MA's), (95, 20940), (166, 21201), (171, 21222), (204, 21429), (212, 21462), (218, 21492), (242, 21564), (247, 21588), (264, 21633), (295, 21786), (302, 21831), (306, 21843), (309, 21852), (324, 21903), (354, 22083), (359, 22098), (373, 22167), (377, 22179), (397, 22284), (405, 22323), (406, 22329), (407, 22338), (423, 22419), (432, 22467), (451, 22542), (458, 22578), (470, 22650), (472, 22659), (476, 22680), (492, 22773), (504, 22869), (527, 23016), (533, 23058), (539, 23097), (550, 23172),

Gene: Aubs_18 Start: 17557, Stop: 20094, Start Num: 30

Candidate Starts for Aubs_18:

(Start: 30 @17557 has 239 MA's), (36, 17578), (Start: 46 @17599 has 1 MA's), (59, 17635), (60, 17638), (93, 17707), (99, 17716), (100, 17719), (105, 17737), (115, 17770), (120, 17785), (131, 17833), (157, 17938), (158, 17944), (159, 17947), (170, 17989), (171, 17992), (188, 18094), (199, 18160), (206, 18205), (214, 18235), (215, 18241), (217, 18259), (224, 18283), (226, 18292), (236, 18325), (238, 18331), (255, 18382), (260, 18400), (264, 18412), (266, 18421), (270, 18436), (272, 18442), (295, 18550), (296, 18553), (297, 18562), (298, 18568), (301, 18583), (303, 18586), (311, 18607), (321, 18637), (324, 18649), (330, 18682), (342, 18748), (347, 18793), (349, 18796), (356, 18823), (358, 18829), (369, 18883), (370, 18886), (377, 18913), (394, 18988), (396, 19000), (397, 19003), (408, 19069), (412, 19093), (417, 19123), (426, 19165), (430, 19183), (431, 19186), (439, 19222), (441, 19240), (448, 19261), (456, 19288), (466, 19357), (470, 19375), (472, 19384), (473, 19396), (478, 19432), (488, 19483), (493, 19501), (498, 19543), (504, 19597), (520, 19699), (533, 19777), (542, 19834), (546, 19858), (553, 19912), (558, 19960), (570, 20026), (571, 20029),

Gene: Avani_24 Start: 17093, Stop: 19642, Start Num: 16

Candidate Starts for Avani_24:

(14, 17084), (Start: 16 @17093 has 7 MA's), (Start: 30 @17153 has 239 MA's), (41, 17186), (43, 17189), (75, 17258), (85, 17288), (142, 17468), (148, 17483), (159, 17519), (161, 17525), (162, 17528), (169, 17546), (171, 17558), (174, 17570), (180, 17594), (181, 17597), (203, 17741), (206, 17750), (214, 17774), (217, 17798), (224, 17822), (225, 17828), (232, 17849), (233, 17852), (238, 17870), (245, 17900), (258, 17930), (264, 17951), (287, 18044), (290, 18059), (291, 18068), (295, 18089), (296, 18092), (307, 18134), (321, 18176), (322, 18179), (324, 18188), (329, 18215), (331, 18224), (337, 18263), (340, 18284), (342, 18287), (346, 18323), (351, 18344), (369, 18422), (370, 18425), (385, 18479), (396, 18539), (410, 18626), (412, 18632), (415, 18653), (424, 18689), (435, 18743), (437, 18752), (455, 18830), (458, 18848), (463, 18884), (464, 18887), (466, 18905), (467, 18908), (470, 18923), (478, 18980), (480, 18992), (498, 19088), (507, 19175), (518, 19223), (519,

19247), (524, 19274), (527, 19283), (532, 19322), (538, 19361), (542, 19385), (545, 19406), (558, 19502), (565, 19523), (572, 19583), (574, 19586), (577, 19613),

Gene: Avocado_22 Start: 20763, Stop: 23240, Start Num: 19

Candidate Starts for Avocado_22:

(Start: 19 @20763 has 11 MA's), (55, 20871), (85, 20961), (119, 21051), (168, 21228), (188, 21345), (204, 21444), (237, 21525), (248, 21567), (259, 21591), (267, 21618), (268, 21621), (271, 21633), (290, 21714), (299, 21765), (333, 21894), (335, 21906), (356, 22032), (369, 22092), (372, 22107), (374, 22113), (387, 22182), (426, 22383), (472, 22614), (493, 22740), (534, 23034), (542, 23085), (556, 23178),

Gene: Awesomesauce_19 Start: 17268, Stop: 19793, Start Num: 30

Candidate Starts for Awesomesauce_19:

(Start: 30 @17268 has 239 MA's), (36, 17289), (Start: 46 @17310 has 1 MA's), (60, 17349), (93, 17418), (99, 17427), (100, 17430), (105, 17448), (115, 17481), (120, 17496), (131, 17544), (158, 17655), (159, 17658), (171, 17703), (184, 17781), (188, 17805), (199, 17871), (206, 17916), (214, 17946), (215, 17952), (217, 17970), (224, 17994), (226, 18003), (236, 18036), (238, 18042), (245, 18072), (260, 18111), (264, 18123), (266, 18132), (270, 18147), (271, 18150), (303, 18297), (321, 18348), (341, 18459), (349, 18510), (355, 18534), (377, 18627), (388, 18672), (391, 18681), (394, 18702), (396, 18714), (397, 18717), (405, 18762), (412, 18807), (414, 18825), (415, 18828), (426, 18879), (437, 18930), (439, 18936), (441, 18954), (446, 18966), (448, 18975), (457, 19008), (470, 19089), (480, 19158), (486, 19185), (492, 19212), (499, 19263), (504, 19311), (545, 19554), (558, 19659), (565, 19680), (573, 19734), (576, 19758),

Gene: Azrael100_42 Start: 28340, Stop: 30907, Start Num: 28

Candidate Starts for Azrael100_42:

(Start: 28 @28340 has 6 MA's), (48, 28409), (92, 28532), (96, 28538), (98, 28541), (109, 28565), (113, 28586), (152, 28742), (154, 28748), (156, 28754), (164, 28784), (166, 28790), (171, 28811), (173, 28820), (183, 28880), (195, 28958), (215, 29057), (221, 29090), (225, 29105), (226, 29108), (238, 29147), (255, 29198), (260, 29216), (266, 29237), (268, 29243), (275, 29270), (279, 29297), (295, 29366), (300, 29390), (307, 29411), (313, 29432), (317, 29441), (324, 29462), (330, 29495), (331, 29498), (339, 29549), (353, 29627), (359, 29645), (366, 29684), (394, 29801), (403, 29846), (411, 29903), (415, 29927), (417, 29936), (421, 29954), (430, 29999), (437, 30032), (443, 30068), (477, 30242), (478, 30260), (479, 30266), (492, 30323), (541, 30647), (543, 30665), (551, 30716), (559, 30779), (570, 30854),

Gene: BAKA_36 Start: 29892, Stop: 32447, Start Num: 30

Candidate Starts for BAKA_36:

(Start: 30 @29892 has 239 MA's), (105, 30087), (115, 30123), (120, 30138), (131, 30186), (158, 30297), (159, 30300), (168, 30330), (171, 30345), (184, 30423), (188, 30447), (199, 30513), (206, 30558), (214, 30588), (215, 30594), (217, 30612), (224, 30636), (226, 30645), (236, 30678), (238, 30684), (245, 30714), (260, 30753), (264, 30765), (266, 30774), (270, 30789), (271, 30792), (295, 30903), (296, 30906), (297, 30915), (298, 30921), (301, 30936), (303, 30939), (311, 30960), (321, 30990), (324, 31002), (330, 31035), (342, 31101), (347, 31146), (349, 31149), (356, 31176), (358, 31182), (369, 31236), (370, 31239), (392, 31326), (394, 31341), (396, 31353), (397, 31356), (408, 31422), (415, 31467), (417, 31476), (430, 31536), (431, 31539), (439, 31575), (441, 31593), (446, 31605), (448, 31614), (456, 31641), (466, 31710), (470, 31728), (472, 31737), (473, 31749), (478, 31785), (482, 31815), (488, 31836), (495, 31860), (498, 31896), (504, 31950), (515, 32010), (520, 32052), (542, 32187), (546, 32211), (553, 32265), (558, 32313), (568, 32355), (570, 32379), (571, 32382),

Gene: BEEST_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for BEEST_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: BGlluviae_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for BGlluviae_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: BaboJay_25 Start: 21834, Stop: 24230, Start Num: 66

Candidate Starts for BaboJay_25:

(Start: 66 @21834 has 122 MA's), (128, 22011), (132, 22032), (178, 22179), (200, 22320), (205, 22353), (214, 22386), (220, 22422), (245, 22515), (266, 22575), (271, 22593), (299, 22725), (313, 22770), (342, 22902), (347, 22947), (391, 23121), (394, 23142), (402, 23181), (405, 23202), (407, 23217), (437, 23367), (439, 23373), (441, 23391), (457, 23445), (470, 23529), (486, 23622), (527, 23868), (558, 24084), (571, 24168), (577, 24201),

Gene: BadStone_25 Start: 22283, Stop: 24679, Start Num: 66

Candidate Starts for BadStone_25:

(Start: 66 @22283 has 122 MA's), (128, 22460), (132, 22481), (178, 22628), (200, 22769), (205, 22802), (214, 22835), (220, 22871), (245, 22964), (266, 23024), (290, 23123), (342, 23351), (347, 23396), (394, 23591), (395, 23597), (397, 23606), (405, 23651), (407, 23666), (439, 23822), (441, 23840), (444, 23849), (458, 23903), (470, 23978), (471, 23981), (503, 24191), (505, 24203), (527, 24317), (558, 24533), (571, 24617), (575, 24641), (577, 24650),

Gene: BaghaKamala_27 Start: 20841, Stop: 23273, Start Num: 57

Candidate Starts for BaghaKamala_27:

(Start: 57 @20841 has 90 MA's), (95, 20940), (166, 21201), (171, 21222), (204, 21429), (212, 21462), (218, 21492), (242, 21564), (247, 21588), (295, 21786), (302, 21831), (306, 21843), (309, 21852), (324, 21903), (354, 22083), (359, 22098), (373, 22167), (377, 22179), (389, 22242), (397, 22284), (405, 22323), (406, 22329), (407, 22338), (410, 22359), (423, 22419), (450, 22536), (458, 22578), (470, 22650), (472, 22659), (476, 22680), (487, 22752), (492, 22773), (504, 22869), (527, 23016), (539, 23097), (558, 23244),

Gene: Balomoji_25 Start: 22017, Stop: 24413, Start Num: 66

Candidate Starts for Balomoji_25:

(Start: 66 @22017 has 122 MA's), (128, 22194), (132, 22215), (178, 22362), (200, 22503), (205, 22536), (214, 22569), (220, 22605), (245, 22698), (266, 22758), (271, 22776), (290, 22857), (342, 23085), (347, 23130), (394, 23325), (395, 23331), (397, 23340), (405, 23385), (407, 23400), (439, 23556), (441, 23574), (444, 23583), (458, 23637), (470, 23712), (471, 23715), (503, 23925), (505, 23937), (527, 24051), (558, 24267), (571, 24351), (575, 24375), (577, 24384),

Gene: Barbarian_25 Start: 21152, Stop: 23548, Start Num: 66

Candidate Starts for Barbarian_25:

(Start: 66 @21152 has 122 MA's), (128, 21329), (132, 21350), (178, 21497), (200, 21638), (205, 21671), (214, 21704), (220, 21740), (245, 21833), (266, 21893), (271, 21911), (290, 21992), (342,

22220), (347, 22265), (394, 22460), (395, 22466), (397, 22475), (405, 22520), (407, 22535), (439, 22691), (441, 22709), (444, 22718), (458, 22772), (470, 22847), (471, 22850), (503, 23060), (505, 23072), (527, 23186), (558, 23402), (571, 23486), (575, 23510), (577, 23519),

Gene: BarrelRoll_27 Start: 20864, Stop: 23296, Start Num: 57

Candidate Starts for BarrelRoll_27:

(Start: 57 @20864 has 90 MA's), (95, 20963), (166, 21224), (171, 21245), (204, 21452), (212, 21485), (218, 21515), (242, 21587), (247, 21611), (295, 21809), (302, 21854), (306, 21866), (309, 21875), (324, 21926), (354, 22106), (359, 22121), (373, 22190), (377, 22202), (389, 22265), (397, 22307), (405, 22346), (406, 22352), (407, 22361), (410, 22382), (423, 22442), (450, 22559), (458, 22601), (470, 22673), (472, 22682), (476, 22703), (487, 22775), (492, 22796), (504, 22892), (527, 23039), (539, 23120), (558, 23267),

Gene: Bask21_26 Start: 21463, Stop: 23859, Start Num: 66

Candidate Starts for Bask21_26:

(Start: 66 @21463 has 122 MA's), (128, 21640), (132, 21661), (178, 21808), (200, 21949), (205, 21982), (214, 22015), (220, 22051), (245, 22144), (266, 22204), (271, 22222), (290, 22303), (342, 22531), (347, 22576), (394, 22771), (395, 22777), (397, 22786), (405, 22831), (407, 22846), (439, 23002), (441, 23020), (444, 23029), (470, 23158), (471, 23161), (503, 23371), (505, 23383), (527, 23497), (558, 23713), (571, 23797), (575, 23821), (577, 23830),

Gene: Batiatus_18 Start: 17448, Stop: 19985, Start Num: 30

Candidate Starts for Batiatus_18:

(Start: 25 @17436 has 3 MA's), (Start: 30 @17448 has 239 MA's), (36, 17469), (Start: 46 @17490 has 1 MA's), (60, 17529), (93, 17598), (99, 17607), (100, 17610), (105, 17628), (115, 17661), (120, 17676), (131, 17724), (158, 17835), (159, 17838), (168, 17868), (170, 17880), (171, 17883), (184, 17961), (188, 17985), (199, 18051), (206, 18096), (214, 18126), (215, 18132), (217, 18150), (224, 18174), (226, 18183), (236, 18216), (238, 18222), (245, 18252), (260, 18291), (264, 18303), (266, 18312), (270, 18327), (271, 18330), (295, 18441), (296, 18444), (297, 18453), (298, 18459), (301, 18474), (303, 18477), (311, 18498), (321, 18528), (324, 18540), (330, 18573), (347, 18684), (349, 18687), (356, 18714), (358, 18720), (369, 18774), (370, 18777), (392, 18864), (394, 18879), (396, 18891), (397, 18894), (408, 18960), (412, 18984), (415, 19005), (417, 19014), (430, 19074), (431, 19077), (439, 19113), (441, 19131), (446, 19143), (448, 19152), (456, 19179), (466, 19248), (470, 19266), (472, 19275), (473, 19287), (478, 19323), (482, 19353), (488, 19374), (495, 19398), (498, 19434), (504, 19488), (515, 19548), (520, 19590), (533, 19668), (542, 19725), (546, 19749), (553, 19803), (558, 19851), (568, 19893), (570, 19917), (571, 19920),

Gene: Beakin_19 Start: 17255, Stop: 19786, Start Num: 30

Candidate Starts for Beakin_19:

(Start: 25 @17243 has 3 MA's), (Start: 30 @17255 has 239 MA's), (36, 17276), (Start: 46 @17297 has 1 MA's), (60, 17336), (93, 17405), (99, 17414), (100, 17417), (105, 17435), (115, 17468), (120, 17483), (131, 17525), (158, 17636), (159, 17639), (168, 17669), (171, 17684), (184, 17762), (188, 17786), (199, 17852), (206, 17897), (214, 17927), (215, 17933), (217, 17951), (224, 17975), (226, 17984), (236, 18017), (238, 18023), (245, 18053), (260, 18092), (264, 18104), (266, 18113), (270, 18128), (271, 18131), (295, 18242), (296, 18245), (297, 18254), (298, 18260), (301, 18275), (303, 18278), (311, 18299), (321, 18329), (324, 18341), (330, 18374), (342, 18440), (347, 18485), (349, 18488), (356, 18515), (358, 18521), (369, 18575), (370, 18578), (392, 18665), (394, 18680), (396, 18692), (397, 18695), (408, 18761), (412, 18785), (415, 18806), (417, 18815), (430, 18875), (431, 18878), (439, 18914), (441, 18932), (448, 18953), (456, 18980), (466, 19049), (470, 19067), (472, 19076), (473, 19088), (478, 19124), (488, 19175), (493, 19193), (498, 19235), (504, 19289), (520, 19391), (533, 19469), (542, 19526), (546, 19550), (553, 19604), (558, 19652), (570, 19718), (571, 19721),

Gene: Beckerton_29 Start: 26219, Stop: 29062, Start Num: 2

Candidate Starts for Beckerton_29:

(Start: 2 @26219 has 8 MA's), (10, 26351), (11, 26363), (13, 26372), (24, 26441), (27, 26447), (47, 26507), (51, 26528), (68, 26576), (82, 26618), (90, 26642), (105, 26675), (114, 26711), (118, 26723), (139, 26816), (156, 26873), (167, 26912), (190, 27038), (200, 27107), (204, 27137), (215, 27179), (226, 27230), (255, 27320), (260, 27338), (279, 27419), (290, 27458), (294, 27479), (330, 27617), (336, 27656), (346, 27719), (370, 27821), (414, 28046), (483, 28409), (491, 28436), (528, 28679), (531, 28712), (535, 28736), (552, 28856), (566, 28934), (577, 29021), (579, 29036), (580, 29042),

Gene: Beezoo_27 Start: 20888, Stop: 23320, Start Num: 57

Candidate Starts for Beezoo_27:

(Start: 57 @20888 has 90 MA's), (95, 20987), (166, 21248), (171, 21269), (204, 21476), (212, 21509), (218, 21539), (231, 21578), (242, 21611), (247, 21635), (264, 21680), (295, 21833), (302, 21878), (306, 21890), (309, 21899), (324, 21950), (354, 22130), (359, 22145), (373, 22214), (377, 22226), (389, 22289), (397, 22331), (405, 22370), (406, 22376), (407, 22385), (410, 22406), (423, 22466), (450, 22583), (470, 22697), (472, 22706), (476, 22727), (487, 22799), (492, 22820), (504, 22916), (539, 23144), (558, 23291),

Gene: Bella96_27 Start: 20822, Stop: 23254, Start Num: 57

Candidate Starts for Bella96_27:

(52, 20804), (Start: 57 @20822 has 90 MA's), (76, 20870), (95, 20921), (166, 21182), (171, 21203), (212, 21443), (218, 21473), (219, 21476), (247, 21569), (253, 21581), (264, 21614), (295, 21767), (306, 21824), (309, 21833), (324, 21884), (354, 22064), (359, 22079), (373, 22148), (377, 22160), (383, 22196), (389, 22223), (397, 22265), (405, 22304), (406, 22310), (407, 22319), (410, 22340), (423, 22400), (430, 22433), (432, 22448), (450, 22517), (458, 22559), (470, 22631), (472, 22640), (476, 22661), (487, 22733), (504, 22850), (527, 22997), (539, 23078), (550, 23153), (558, 23225),

Gene: Belladonna_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Belladonna_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Bench_28 Start: 22144, Stop: 24540, Start Num: 66

Candidate Starts for Bench_28:

(Start: 66 @22144 has 122 MA's), (128, 22321), (132, 22342), (178, 22489), (205, 22663), (214, 22696), (220, 22732), (245, 22825), (266, 22885), (271, 22903), (299, 23035), (313, 23080), (342, 23212), (347, 23257), (365, 23317), (391, 23431), (394, 23452), (402, 23491), (405, 23512), (407, 23527), (437, 23677), (439, 23683), (441, 23701), (457, 23755), (470, 23839), (486, 23932), (527, 24178), (558, 24394), (571, 24478), (577, 24511),

Gene: BigBubba_27 Start: 22047, Stop: 24443, Start Num: 66

Candidate Starts for BigBubba_27:

(Start: 66 @22047 has 122 MA's), (128, 22224), (132, 22245), (178, 22392), (200, 22533), (205, 22566), (214, 22599), (220, 22635), (245, 22728), (266, 22788), (271, 22806), (299, 22938), (313, 22983), (342, 23115), (347, 23160), (391, 23334), (394, 23355), (402, 23394), (405, 23415), (407, 23430), (439, 23586), (441, 23604), (457, 23658), (470, 23742), (486, 23835), (527, 24081), (558, 24297), (571, 24381), (577, 24414),

Gene: BilboSwaggins_26 Start: 22284, Stop: 24680, Start Num: 66

Candidate Starts for BilboSwaggins_26:

(Start: 66 @22284 has 122 MA's), (128, 22461), (132, 22482), (178, 22629), (200, 22770), (205, 22803), (214, 22836), (220, 22872), (245, 22965), (266, 23025), (271, 23043), (290, 23124), (342, 23352), (347, 23397), (394, 23592), (395, 23598), (397, 23607), (405, 23652), (407, 23667), (439, 23823), (441, 23841), (444, 23850), (470, 23979), (471, 23982), (503, 24192), (505, 24204), (527, 24318), (558, 24534), (571, 24618), (575, 24642), (577, 24651),

Gene: Bipolar_18 Start: 17398, Stop: 19890, Start Num: 30

Candidate Starts for Bipolar_18:

(Start: 25 @17386 has 3 MA's), (Start: 30 @17398 has 239 MA's), (36, 17419), (Start: 46 @17440 has 1 MA's), (61, 17479), (93, 17548), (99, 17557), (100, 17560), (105, 17578), (115, 17611), (124, 17644), (131, 17677), (148, 17731), (159, 17767), (162, 17776), (169, 17794), (174, 17818), (180, 17842), (196, 17950), (200, 17974), (203, 17989), (206, 17998), (214, 18022), (215, 18028), (217, 18046), (220, 18058), (222, 18064), (224, 18070), (225, 18076), (226, 18079), (229, 18088), (232, 18097), (236, 18112), (245, 18148), (260, 18187), (264, 18199), (266, 18208), (287, 18292), (303, 18373), (313, 18403), (314, 18406), (324, 18436), (329, 18463), (331, 18472), (339, 18523), (340, 18532), (342, 18535), (346, 18571), (351, 18592), (361, 18628), (395, 18781), (405, 18835), (412, 18880), (414, 18898), (415, 18901), (424, 18940), (455, 19087), (457, 19096), (467, 19165), (470, 19180), (498, 19345), (507, 19432), (518, 19480), (527, 19531), (538, 19609), (572, 19831), (574, 19834), (577, 19861),

Gene: BirdsNest_33 Start: 28321, Stop: 30801, Start Num: 23

Candidate Starts for BirdsNest_33:

(Start: 23 @28321 has 1 MA's), (58, 28435), (74, 28468), (193, 28945), (205, 29011), (208, 29023), (216, 29041), (237, 29107), (248, 29149), (277, 29242), (281, 29263), (333, 29476), (362, 29632), (368, 29665), (374, 29692), (385, 29746), (411, 29896), (415, 29920), (426, 29962), (474, 30193), (491, 30292), (541, 30634), (556, 30739), (562, 30784),

Gene: Blarby_25 Start: 17613, Stop: 20210, Start Num: 18

Candidate Starts for Blarby_25:

(15, 17604), (18, 17613), (Start: 31 @17673 has 1 MA's), (41, 17706), (44, 17709), (84, 17808), (131, 17949), (158, 18060), (159, 18063), (168, 18093), (170, 18105), (171, 18108), (188, 18210), (199, 18276), (206, 18321), (214, 18351), (215, 18357), (217, 18375), (224, 18399), (226, 18408), (236, 18441), (238, 18447), (245, 18477), (260, 18516), (264, 18528), (266, 18537), (270, 18552), (271, 18555), (295, 18666), (296, 18669), (297, 18678), (298, 18684), (301, 18699), (303, 18702), (311, 18723), (321, 18753), (324, 18765), (330, 18798), (347, 18909), (349, 18912), (356, 18939), (358, 18945), (369, 18999), (370, 19002), (392, 19089), (394, 19104), (396, 19116), (397, 19119), (408, 19185), (415, 19230), (417, 19239), (430, 19299), (431, 19302), (439, 19338), (441, 19356), (448, 19377), (456, 19404), (466, 19473), (470, 19491), (472, 19500), (473, 19512), (478, 19548), (482, 19578), (488, 19599), (493, 19617), (498, 19659), (504, 19713), (520, 19815), (542, 19950), (546, 19974), (553, 20028), (558, 20076), (568, 20118), (570, 20142), (571, 20145),

Gene: Blessica_59 Start: 36409, Stop: 38919, Start Num: 30

Candidate Starts for Blessica_59:

(Start: 30 @36409 has 239 MA's), (39, 36442), (63, 36511), (65, 36514), (73, 36538), (81, 36562), (87, 36586), (103, 36619), (155, 36826), (158, 36838), (159, 36841), (191, 36988), (194, 37018), (199, 37042), (206, 37072), (207, 37075), (214, 37102), (217, 37126), (225, 37156), (241, 37213), (246, 37237), (260, 37273), (264, 37285), (270, 37309), (271, 37312), (279, 37354), (301, 37450), (303, 37453), (362, 37708), (394, 37852), (405, 37912), (414, 37984), (415, 37987), (436, 38083), (470, 38257), (473, 38278), (491, 38371), (494, 38383), (504, 38473), (517, 38548), (532, 38593), (564, 38794), (569, 38848), (574, 38863),

Gene: Blexus_18 Start: 17586, Stop: 20123, Start Num: 30

Candidate Starts for Blexus_18:

(Start: 30 @17586 has 239 MA's), (36, 17607), (Start: 46 @17628 has 1 MA's), (60, 17667), (93, 17736), (99, 17745), (100, 17748), (105, 17766), (120, 17814), (131, 17862), (158, 17973), (159, 17976), (171, 18021), (184, 18099), (188, 18123), (199, 18189), (214, 18264), (215, 18270), (217, 18288), (224, 18312), (226, 18321), (236, 18354), (238, 18360), (245, 18390), (255, 18411), (264, 18441), (266, 18450), (291, 18558), (294, 18570), (295, 18579), (296, 18582), (298, 18597), (301, 18612), (303, 18615), (311, 18636), (324, 18678), (330, 18711), (347, 18822), (349, 18825), (356, 18852), (358, 18858), (369, 18912), (370, 18915), (377, 18942), (394, 19017), (396, 19029), (397, 19032), (408, 19098), (411, 19119), (412, 19122), (415, 19143), (417, 19152), (426, 19194), (430, 19212), (431, 19215), (437, 19245), (441, 19269), (446, 19281), (448, 19290), (466, 19386), (470, 19404), (472, 19413), (473, 19425), (478, 19461), (482, 19491), (486, 19500), (488, 19512), (498, 19572), (504, 19626), (515, 19686), (520, 19728), (542, 19863), (546, 19887), (553, 19941), (558, 19989), (568, 20031), (570, 20055), (571, 20058),

Gene: Blizzard_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Blizzard_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: BlueCrab_18 Start: 17568, Stop: 20105, Start Num: 30

Candidate Starts for BlueCrab_18:

(Start: 25 @17556 has 3 MA's), (Start: 30 @17568 has 239 MA's), (36, 17589), (Start: 46 @17610 has 1 MA's), (60, 17649), (93, 17718), (99, 17727), (100, 17730), (105, 17748), (120, 17796), (131, 17844), (158, 17955), (159, 17958), (171, 18003), (184, 18081), (188, 18105), (199, 18171), (206, 18216), (214, 18246), (215, 18252), (217, 18270), (224, 18294), (226, 18303), (236, 18336), (238, 18342), (245, 18372), (260, 18411), (264, 18423), (266, 18432), (270, 18447), (271, 18450), (295, 18561), (296, 18564), (297, 18573), (298, 18579), (301, 18594), (303, 18597), (311, 18618), (321, 18648), (324, 18660), (330, 18693), (347, 18804), (349, 18807), (356, 18834), (358, 18840), (369, 18894), (370, 18897), (394, 18999), (396, 19011), (397, 19014), (408, 19080), (412, 19104), (415, 19125), (417, 19134), (430, 19194), (431, 19197), (439, 19233), (441, 19251), (448, 19272), (456, 19299), (466, 19368), (470, 19386), (472, 19395), (473, 19407), (478, 19443), (488, 19494), (493, 19512), (498, 19554), (504, 19608), (520, 19710), (542, 19845), (546, 19869), (553, 19923), (565, 19992), (570, 20037), (571, 20040),

Gene: BobaPhett_18 Start: 17397, Stop: 19922, Start Num: 30

Candidate Starts for BobaPhett_18:

(Start: 30 @17397 has 239 MA's), (36, 17418), (Start: 46 @17439 has 1 MA's), (60, 17478), (93, 17547), (99, 17556), (100, 17559), (105, 17577), (120, 17625), (131, 17673), (158, 17784), (159, 17787), (169, 17820), (171, 17832), (184, 17910), (194, 17976), (200, 18009), (210, 18063), (214, 18075), (225, 18129), (226, 18132), (229, 18141), (239, 18174), (252, 18213), (254, 18216), (259, 18231), (260, 18234), (268, 18261), (269, 18267), (270, 18270), (271, 18273), (277, 18300), (280, 18318), (282, 18321), (297, 18396), (301, 18417), (303, 18420), (312, 18447), (321, 18471), (330, 18516), (331, 18519), (339, 18570), (349, 18633), (351, 18642), (357, 18666), (383, 18771), (384, 18774), (394, 18825), (395, 18831), (396, 18837), (397, 18840), (405, 18885), (407, 18900), (411, 18927), (415, 18951), (426, 19002), (430, 19020), (431, 19023), (432, 19035), (446, 19089), (470, 19212), (479, 19275), (493, 19338), (500, 19413), (534, 19614), (567, 19824), (573, 19863), (574, 19866),

Gene: Bobi_20 Start: 17987, Stop: 20524, Start Num: 30

Candidate Starts for Bobi_20:

(Start: 25 @17975 has 3 MA's), (Start: 30 @17987 has 239 MA's), (36, 18008), (Start: 46 @18029 has 1 MA's), (60, 18068), (93, 18137), (99, 18146), (100, 18149), (105, 18167), (115, 18200), (120, 18215), (131, 18263), (158, 18374), (159, 18377), (168, 18407), (170, 18419), (171, 18422), (184, 18500), (188, 18524), (199, 18590), (206, 18635), (214, 18665), (215, 18671), (217, 18689), (224, 18713), (226, 18722), (236, 18755), (238, 18761), (245, 18791), (260, 18830), (264, 18842), (266, 18851), (270, 18866), (271, 18869), (295, 18980), (296, 18983), (297, 18992), (298, 18998), (301, 19013), (303, 19016), (321, 19067), (324, 19079), (330, 19112), (342, 19178), (347, 19223), (349, 19226), (356, 19253), (358, 19259), (369, 19313), (370, 19316), (392, 19403), (394, 19418), (396, 19430), (397, 19433), (408, 19499), (415, 19544), (417, 19553), (430, 19613), (431, 19616), (439, 19652), (441, 19670), (446, 19682), (448, 19691), (456, 19718), (466, 19787), (470, 19805), (472, 19814), (473, 19826), (478, 19862), (482, 19892), (488, 19913), (495, 19937), (498, 19973), (504, 20027), (515, 20087), (520, 20129), (542, 20264), (546, 20288), (553, 20342), (558, 20390), (568, 20432), (570, 20456), (571, 20459),

Gene: BodEinwohner17_18 Start: 17569, Stop: 20106, Start Num: 30

Candidate Starts for BodEinwohner17_18:

(Start: 30 @17569 has 239 MA's), (36, 17590), (Start: 46 @17611 has 1 MA's), (60, 17650), (93, 17719), (99, 17728), (100, 17731), (105, 17749), (120, 17797), (157, 17950), (159, 17959), (171, 18004), (187, 18103), (188, 18106), (199, 18172), (214, 18247), (215, 18253), (217, 18271), (224, 18295), (226, 18304), (236, 18337), (238, 18343), (245, 18373), (255, 18394), (264, 18424), (266, 18433), (270, 18448), (271, 18451), (291, 18541), (294, 18553), (295, 18562), (296, 18565), (298, 18580), (301, 18595), (303, 18598), (311, 18619), (324, 18661), (330, 18694), (347, 18805), (349, 18808), (356, 18835), (358, 18841), (369, 18895), (370, 18898), (377, 18925), (394, 19000), (396, 19012), (397, 19015), (408, 19081), (411, 19102), (412, 19105), (415, 19126), (417, 19135), (426, 19177), (430, 19195), (431, 19198), (437, 19228), (441, 19252), (446, 19264), (448, 19273), (466, 19369), (470, 19387), (472, 19396), (473, 19408), (478, 19444), (482, 19474), (486, 19483), (488, 19495), (498, 19555), (504, 19609), (515, 19669), (520, 19711), (542, 19846), (546, 19870), (553, 19924), (558, 19972), (568, 20014), (570, 20038), (571, 20041),

Gene: Bogie_20 Start: 18761, Stop: 21265, Start Num: 25

Candidate Starts for Bogie_20:

(Start: 25 @18761 has 3 MA's), (81, 18914), (187, 19319), (191, 19334), (194, 19364), (195, 19370), (199, 19388), (224, 19496), (238, 19547), (271, 19658), (272, 19661), (279, 19700), (290, 19733), (303, 19799), (324, 19859), (329, 19886), (330, 19892), (394, 20198), (405, 20258), (410, 20306), (411, 20309), (414, 20330), (415, 20333), (470, 20594), (493, 20717), (494, 20720), (504, 20810), (514, 20867), (517, 20888), (534, 20948), (566, 21149), (569, 21191),

Gene: Boiiii_27 Start: 20914, Stop: 23346, Start Num: 57

Candidate Starts for Boiiii_27:

(Start: 57 @20914 has 90 MA's), (95, 21013), (166, 21274), (171, 21295), (204, 21502), (212, 21535), (218, 21565), (242, 21637), (247, 21661), (295, 21859), (302, 21904), (306, 21916), (309, 21925), (324, 21976), (354, 22156), (359, 22171), (373, 22240), (377, 22252), (389, 22315), (397, 22357), (405, 22396), (406, 22402), (407, 22411), (410, 22432), (423, 22492), (450, 22609), (458, 22651), (470, 22723), (472, 22732), (476, 22753), (487, 22825), (492, 22846), (504, 22942), (527, 23089), (539, 23170), (558, 23317),

Gene: Boilgate_24 Start: 21197, Stop: 23551, Start Num: 57

Candidate Starts for Boilgate_24:

(Start: 57 @21197 has 90 MA's), (97, 21308), (108, 21338), (131, 21431), (132, 21440), (143, 21482), (146, 21494), (151, 21506), (154, 21518), (175, 21605), (194, 21728), (195, 21734), (239, 21866), (262, 21938), (265, 21950), (267, 21956), (277, 22004), (294, 22088), (304, 22142), (315, 22172), (318, 22181), (319, 22184), (326, 22214), (362, 22391), (380, 22469), (385, 22502), (396, 22562), (397, 22565), (405, 22610), (406, 22616), (407, 22625), (412, 22655), (417, 22685), (420, 22697),

(432, 22754), (438, 22775), (452, 22832), (453, 22835), (466, 22910), (472, 22937), (473, 22949), (475, 22955), (476, 22964), (490, 23048), (502, 23144), (504, 23153), (511, 23192), (523, 23276), (533, 23336), (537, 23363), (559, 23522),

Gene: Boomer_19 Start: 17212, Stop: 19749, Start Num: 30

Candidate Starts for Boomer_19:

(Start: 30 @17212 has 239 MA's), (36, 17233), (Start: 46 @17254 has 1 MA's), (60, 17293), (93, 17362), (99, 17371), (100, 17374), (105, 17392), (115, 17425), (120, 17440), (131, 17488), (158, 17599), (159, 17602), (168, 17632), (171, 17647), (184, 17725), (188, 17749), (199, 17815), (206, 17860), (214, 17890), (215, 17896), (217, 17914), (224, 17938), (226, 17947), (236, 17980), (238, 17986), (245, 18016), (255, 18037), (260, 18055), (264, 18067), (266, 18076), (270, 18091), (271, 18094), (289, 18172), (295, 18205), (296, 18208), (297, 18217), (298, 18223), (301, 18238), (303, 18241), (311, 18262), (321, 18292), (324, 18304), (330, 18337), (347, 18448), (349, 18451), (356, 18478), (358, 18484), (369, 18538), (370, 18541), (392, 18628), (394, 18643), (396, 18655), (397, 18658), (408, 18724), (412, 18748), (415, 18769), (417, 18778), (430, 18838), (431, 18841), (437, 18871), (441, 18895), (446, 18907), (448, 18916), (456, 18943), (466, 19012), (470, 19030), (472, 19039), (473, 19051), (478, 19087), (482, 19117), (488, 19138), (495, 19162), (498, 19198), (504, 19252), (515, 19312), (520, 19354), (533, 19432), (542, 19489), (546, 19513), (553, 19567), (558, 19615), (570, 19681), (571, 19684),

Gene: Bora_56 Start: 35766, Stop: 38276, Start Num: 30

Candidate Starts for Bora_56:

(Start: 30 @35766 has 239 MA's), (39, 35799), (63, 35868), (65, 35871), (73, 35895), (81, 35919), (87, 35943), (103, 35976), (138, 36129), (155, 36183), (158, 36195), (159, 36198), (191, 36345), (194, 36375), (199, 36399), (206, 36429), (207, 36432), (214, 36459), (217, 36483), (225, 36513), (241, 36570), (260, 36630), (264, 36642), (270, 36666), (271, 36669), (279, 36711), (301, 36807), (303, 36810), (362, 37065), (394, 37209), (405, 37269), (414, 37341), (415, 37344), (436, 37440), (470, 37614), (472, 37623), (473, 37635), (491, 37728), (494, 37740), (504, 37830), (517, 37905), (532, 37950), (564, 38151), (569, 38205), (574, 38220),

Gene: Bruin_26 Start: 22307, Stop: 24703, Start Num: 66

Candidate Starts for Bruin_26:

(Start: 66 @22307 has 122 MA's), (128, 22484), (132, 22505), (178, 22652), (200, 22793), (205, 22826), (214, 22859), (220, 22895), (245, 22988), (266, 23048), (271, 23066), (299, 23198), (313, 23243), (342, 23375), (347, 23420), (391, 23594), (394, 23615), (402, 23654), (405, 23675), (407, 23690), (439, 23846), (441, 23864), (457, 23918), (470, 24002), (486, 24095), (527, 24341), (558, 24557), (571, 24641), (577, 24674),

Gene: Brujita_21 Start: 19089, Stop: 21620, Start Num: 20

Candidate Starts for Brujita_21:

(Start: 20 @19089 has 2 MA's), (29, 19113), (67, 19224), (72, 19233), (81, 19260), (127, 19407), (187, 19674), (191, 19689), (194, 19719), (195, 19725), (199, 19743), (224, 19851), (238, 19902), (271, 20013), (272, 20016), (279, 20055), (290, 20088), (303, 20154), (324, 20214), (329, 20241), (330, 20247), (394, 20553), (405, 20613), (410, 20661), (411, 20664), (414, 20685), (415, 20688), (470, 20949), (493, 21072), (494, 21075), (504, 21165), (514, 21222), (517, 21243), (534, 21303), (566, 21504), (569, 21546),

Gene: Bubbles123_19 Start: 18112, Stop: 20649, Start Num: 30

Candidate Starts for Bubbles123_19:

(Start: 30 @18112 has 239 MA's), (36, 18133), (Start: 46 @18154 has 1 MA's), (60, 18193), (93, 18262), (99, 18271), (100, 18274), (105, 18292), (115, 18325), (120, 18340), (131, 18388), (158, 18499), (159, 18502), (170, 18544), (171, 18547), (188, 18649), (199, 18715), (206, 18760), (214, 18790), (215, 18796), (217, 18814), (224, 18838), (226, 18847), (236, 18880), (238, 18886), (260,

18955), (264, 18967), (266, 18976), (270, 18991), (272, 18997), (295, 19105), (297, 19117), (298, 19123), (301, 19138), (303, 19141), (311, 19162), (321, 19192), (324, 19204), (330, 19237), (342, 19303), (347, 19348), (349, 19351), (356, 19378), (358, 19384), (369, 19438), (370, 19441), (377, 19468), (394, 19543), (396, 19555), (397, 19558), (408, 19624), (412, 19648), (417, 19678), (426, 19720), (430, 19738), (431, 19741), (439, 19777), (441, 19795), (448, 19816), (456, 19843), (466, 19912), (470, 19930), (472, 19939), (473, 19951), (478, 19987), (488, 20038), (495, 20062), (498, 20098), (504, 20152), (520, 20254), (533, 20332), (542, 20389), (546, 20413), (558, 20515), (568, 20557), (570, 20581), (571, 20584),

Gene: Buck_25 Start: 22240, Stop: 24636, Start Num: 66

Candidate Starts for Buck_25:

(Start: 66 @22240 has 122 MA's), (128, 22417), (132, 22438), (178, 22585), (200, 22726), (205, 22759), (214, 22792), (220, 22828), (245, 22921), (266, 22981), (271, 22999), (299, 23131), (313, 23176), (342, 23308), (347, 23353), (365, 23413), (391, 23527), (394, 23548), (402, 23587), (405, 23608), (407, 23623), (437, 23773), (439, 23779), (441, 23797), (457, 23851), (470, 23935), (486, 24028), (527, 24274), (558, 24490), (571, 24574), (577, 24607),

Gene: BugsBunny_24 Start: 21873, Stop: 24269, Start Num: 66

Candidate Starts for BugsBunny_24:

(Start: 66 @21873 has 122 MA's), (128, 22050), (132, 22071), (178, 22218), (200, 22359), (205, 22392), (214, 22425), (220, 22461), (245, 22554), (266, 22614), (271, 22632), (299, 22764), (313, 22809), (342, 22941), (347, 22986), (365, 23046), (391, 23160), (394, 23181), (402, 23220), (405, 23241), (407, 23256), (437, 23406), (439, 23412), (441, 23430), (457, 23484), (470, 23568), (486, 23661), (527, 23907), (558, 24123), (571, 24207), (577, 24240),

Gene: Burwell21_18 Start: 17404, Stop: 19956, Start Num: 30

Candidate Starts for Burwell21_18:

(Start: 30 @17404 has 239 MA's), (60, 17485), (93, 17554), (99, 17563), (100, 17566), (105, 17584), (120, 17632), (130, 17677), (158, 17791), (159, 17794), (163, 17806), (169, 17827), (170, 17836), (171, 17839), (181, 17887), (184, 17917), (194, 17983), (200, 18016), (206, 18052), (211, 18076), (225, 18136), (226, 18139), (232, 18157), (252, 18220), (254, 18223), (260, 18241), (266, 18262), (271, 18280), (277, 18307), (282, 18328), (290, 18361), (297, 18403), (298, 18409), (299, 18412), (303, 18427), (312, 18454), (313, 18457), (321, 18478), (324, 18490), (330, 18523), (345, 18616), (369, 18724), (375, 18748), (377, 18754), (382, 18772), (383, 18775), (388, 18799), (394, 18829), (399, 18853), (405, 18889), (406, 18895), (407, 18904), (411, 18931), (422, 18994), (426, 19018), (427, 19033), (437, 19075), (451, 19126), (467, 19222), (470, 19237), (472, 19246), (476, 19270), (486, 19333), (495, 19369), (540, 19675), (546, 19720), (558, 19822),

Gene: BuzzLyseyear_20 Start: 17791, Stop: 20328, Start Num: 30

Candidate Starts for BuzzLyseyear_20:

(Start: 30 @17791 has 239 MA's), (36, 17812), (Start: 46 @17833 has 1 MA's), (60, 17872), (93, 17941), (99, 17950), (100, 17953), (105, 17971), (120, 18019), (157, 18172), (159, 18181), (171, 18226), (187, 18325), (188, 18328), (199, 18394), (214, 18469), (215, 18475), (217, 18493), (224, 18517), (225, 18523), (226, 18526), (236, 18559), (238, 18565), (245, 18595), (255, 18616), (264, 18646), (266, 18655), (270, 18670), (271, 18673), (295, 18784), (296, 18787), (297, 18796), (298, 18802), (301, 18817), (303, 18820), (311, 18841), (321, 18871), (324, 18883), (330, 18916), (347, 19027), (349, 19030), (356, 19057), (358, 19063), (369, 19117), (370, 19120), (392, 19207), (394, 19222), (396, 19234), (397, 19237), (408, 19303), (412, 19327), (415, 19348), (417, 19357), (430, 19417), (431, 19420), (439, 19456), (441, 19474), (446, 19486), (448, 19495), (456, 19522), (465, 19579), (466, 19591), (470, 19609), (472, 19618), (473, 19630), (478, 19666), (482, 19696), (486, 19705), (488, 19717), (498, 19777), (504, 19831), (515, 19891), (520, 19933), (542, 20068), (546, 20092), (553, 20146), (558, 20194), (568, 20236), (570, 20260), (571, 20263),

Gene: ByChance_18 Start: 17408, Stop: 19933, Start Num: 30

Candidate Starts for ByChance_18:

(Start: 30 @17408 has 239 MA's), (60, 17489), (93, 17558), (99, 17567), (100, 17570), (105, 17588), (120, 17636), (131, 17684), (158, 17795), (159, 17798), (169, 17831), (171, 17843), (184, 17921), (194, 17987), (200, 18020), (210, 18074), (214, 18086), (225, 18140), (226, 18143), (229, 18152), (239, 18185), (252, 18224), (254, 18227), (259, 18242), (260, 18245), (268, 18272), (269, 18278), (270, 18281), (271, 18284), (277, 18311), (280, 18329), (282, 18332), (297, 18407), (301, 18428), (303, 18431), (312, 18458), (321, 18482), (330, 18527), (331, 18530), (339, 18581), (349, 18644), (351, 18653), (357, 18677), (383, 18782), (384, 18785), (394, 18836), (395, 18842), (396, 18848), (397, 18851), (405, 18896), (407, 18911), (411, 18938), (415, 18962), (426, 19013), (430, 19031), (431, 19034), (432, 19046), (446, 19100), (457, 19142), (479, 19286), (491, 19340), (492, 19346), (493, 19349), (496, 19385), (497, 19388), (499, 19397), (500, 19424), (534, 19625), (558, 19796), (567, 19835), (573, 19874), (574, 19877),

Gene: Byougenkin_18 Start: 17418, Stop: 19949, Start Num: 30

Candidate Starts for Byougenkin_18:

(Start: 30 @17418 has 239 MA's), (70, 17508), (93, 17568), (99, 17577), (100, 17580), (105, 17598), (115, 17631), (120, 17646), (131, 17694), (158, 17805), (159, 17808), (168, 17838), (171, 17853), (184, 17931), (188, 17955), (199, 18021), (206, 18066), (214, 18096), (215, 18102), (217, 18120), (224, 18144), (225, 18150), (226, 18153), (236, 18186), (238, 18192), (260, 18261), (266, 18282), (270, 18297), (271, 18300), (295, 18411), (297, 18423), (298, 18429), (301, 18444), (303, 18447), (311, 18468), (324, 18510), (330, 18543), (347, 18654), (349, 18657), (356, 18684), (358, 18690), (369, 18744), (370, 18747), (392, 18834), (394, 18849), (396, 18861), (397, 18864), (408, 18930), (412, 18954), (415, 18975), (417, 18984), (430, 19044), (431, 19047), (439, 19083), (441, 19101), (446, 19113), (448, 19122), (456, 19149), (466, 19218), (470, 19236), (472, 19245), (473, 19257), (478, 19293), (482, 19323), (488, 19344), (495, 19368), (498, 19404), (504, 19458), (515, 19518), (520, 19560), (533, 19638), (542, 19695), (546, 19719), (553, 19773), (558, 19821), (568, 19857), (570, 19881), (571, 19884),

Gene: CREW_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for CREW_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Cabrinians_18 Start: 17398, Stop: 19950, Start Num: 30

Candidate Starts for Cabrinians_18:

(Start: 30 @17398 has 239 MA's), (60, 17479), (93, 17548), (99, 17557), (100, 17560), (105, 17578), (120, 17626), (130, 17671), (158, 17785), (159, 17788), (163, 17800), (169, 17821), (170, 17830), (171, 17833), (181, 17881), (184, 17911), (194, 17977), (200, 18010), (206, 18046), (211, 18070), (225, 18130), (226, 18133), (232, 18151), (252, 18214), (254, 18217), (260, 18235), (266, 18256), (271, 18274), (277, 18301), (282, 18322), (290, 18355), (297, 18397), (298, 18403), (299, 18406), (303, 18421), (312, 18448), (313, 18451), (321, 18472), (324, 18484), (330, 18517), (345, 18610), (369, 18718), (375, 18742), (377, 18748), (382, 18766), (383, 18769), (388, 18793), (394, 18823), (399, 18847), (405, 18883), (406, 18889), (407, 18898), (411, 18925), (422, 18988), (426, 19012), (427, 19027), (437, 19069), (451, 19120), (467, 19216), (470, 19231), (472, 19240), (476, 19264), (486, 19327), (495, 19363), (540, 19669), (546, 19714), (558, 19816),

Gene: Cactus_27 Start: 21496, Stop: 23892, Start Num: 66

Candidate Starts for Cactus_27:

(Start: 66 @21496 has 122 MA's), (128, 21673), (132, 21694), (178, 21841), (200, 21982), (205, 22015), (214, 22048), (220, 22084), (245, 22177), (266, 22237), (271, 22255), (290, 22336), (342, 22564), (347, 22609), (394, 22804), (395, 22810), (397, 22819), (405, 22864), (407, 22879), (439, 23035), (441, 23053), (444, 23062), (470, 23191), (471, 23194), (503, 23404), (505, 23416), (527, 23530), (558, 23746), (571, 23830), (575, 23854), (577, 23863),

Gene: Cambiare_23 Start: 21228, Stop: 23705, Start Num: 19

Candidate Starts for Cambiare_23:

(Start: 19 @21228 has 11 MA's), (55, 21336), (85, 21426), (106, 21474), (119, 21516), (168, 21693), (188, 21810), (204, 21909), (237, 21990), (248, 22032), (259, 22056), (267, 22083), (268, 22086), (271, 22098), (290, 22179), (299, 22230), (333, 22359), (335, 22371), (356, 22497), (369, 22557), (372, 22572), (374, 22578), (387, 22647), (412, 22785), (426, 22848), (432, 22887), (461, 23022), (463, 23031), (472, 23079), (474, 23094), (493, 23205), (534, 23499), (542, 23550), (556, 23643),

Gene: Capricorn_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Capricorn_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: CaptainTrips_19 Start: 18092, Stop: 20629, Start Num: 30

Candidate Starts for CaptainTrips_19:

(Start: 30 @18092 has 239 MA's), (70, 18182), (93, 18242), (99, 18251), (100, 18254), (105, 18272), (115, 18305), (120, 18320), (131, 18368), (158, 18479), (159, 18482), (168, 18512), (170, 18524), (171, 18527), (184, 18605), (188, 18629), (199, 18695), (206, 18740), (214, 18770), (215, 18776), (217, 18794), (224, 18818), (226, 18827), (236, 18860), (238, 18866), (245, 18896), (260, 18935), (264, 18947), (266, 18956), (270, 18971), (271, 18974), (295, 19085), (296, 19088), (297, 19097), (298, 19103), (301, 19118), (303, 19121), (311, 19142), (321, 19172), (324, 19184), (330, 19217), (347, 19328), (349, 19331), (356, 19358), (358, 19364), (369, 19418), (370, 19421), (392, 19508), (394, 19523), (396, 19535), (397, 19538), (408, 19604), (412, 19628), (415, 19649), (417, 19658), (430, 19718), (431, 19721), (439, 19757), (441, 19775), (446, 19787), (448, 19796), (456, 19823), (466, 19892), (470, 19910), (472, 19919), (473, 19931), (478, 19967), (482, 19997), (488, 20018), (495, 20042), (498, 20078), (504, 20132), (515, 20192), (520, 20234), (533, 20312), (542, 20369), (546, 20393), (553, 20447), (558, 20495), (568, 20537), (570, 20561), (571, 20564),

Gene: CaseJules_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for CaseJules_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Catdawg_58 Start: 36145, Stop: 38655, Start Num: 30

Candidate Starts for Catdawg_58:

(Start: 30 @36145 has 239 MA's), (39, 36178), (63, 36247), (65, 36250), (73, 36274), (81, 36298), (87, 36322), (103, 36355), (155, 36562), (158, 36574), (159, 36577), (191, 36724), (194, 36754), (199, 36778), (206, 36808), (207, 36811), (214, 36838), (217, 36862), (225, 36892), (241, 36949), (246, 36973), (260, 37009), (264, 37021), (270, 37045), (271, 37048), (279, 37090), (301, 37186), (303,

37189), (362, 37444), (394, 37588), (405, 37648), (414, 37720), (415, 37723), (436, 37819), (470, 37993), (473, 38014), (491, 38107), (494, 38119), (504, 38209), (517, 38284), (532, 38329), (564, 38530), (569, 38584), (574, 38599),

Gene: Cborch11_30 Start: 25681, Stop: 28524, Start Num: 2

Candidate Starts for Cborch11_30:

(Start: 2 @25681 has 8 MA's), (10, 25813), (11, 25825), (13, 25834), (24, 25903), (27, 25909), (47, 25969), (51, 25990), (68, 26038), (82, 26080), (90, 26104), (105, 26137), (114, 26173), (118, 26185), (139, 26278), (156, 26335), (167, 26374), (190, 26500), (200, 26569), (204, 26599), (215, 26641), (226, 26692), (255, 26782), (260, 26800), (279, 26881), (290, 26920), (294, 26941), (330, 27079), (336, 27118), (346, 27181), (370, 27283), (414, 27508), (483, 27871), (491, 27898), (528, 28141), (531, 28174), (535, 28198), (552, 28318), (566, 28396), (577, 28483), (579, 28498), (580, 28504),

Gene: Che8_18 Start: 17426, Stop: 19963, Start Num: 30

Candidate Starts for Che8_18:

(Start: 30 @17426 has 239 MA's), (36, 17447), (Start: 46 @17468 has 1 MA's), (60, 17507), (93, 17576), (99, 17585), (100, 17588), (105, 17606), (115, 17639), (120, 17654), (158, 17813), (159, 17816), (168, 17846), (171, 17861), (184, 17939), (188, 17963), (199, 18029), (214, 18104), (215, 18110), (217, 18128), (224, 18152), (225, 18158), (226, 18161), (236, 18194), (238, 18200), (245, 18230), (255, 18251), (264, 18281), (266, 18290), (291, 18398), (294, 18410), (295, 18419), (296, 18422), (297, 18431), (298, 18437), (301, 18452), (303, 18455), (311, 18476), (321, 18506), (324, 18518), (330, 18551), (356, 18692), (358, 18698), (369, 18752), (370, 18755), (377, 18782), (394, 18857), (396, 18869), (397, 18872), (401, 18893), (408, 18938), (412, 18962), (417, 18992), (426, 19034), (430, 19052), (431, 19055), (439, 19091), (441, 19109), (446, 19121), (448, 19130), (456, 19157), (465, 19214), (466, 19226), (470, 19244), (472, 19253), (473, 19265), (478, 19301), (482, 19331), (486, 19340), (488, 19352), (498, 19412), (504, 19466), (520, 19568), (533, 19646), (542, 19703), (546, 19727), (553, 19781), (558, 19829), (565, 19850), (570, 19895), (571, 19898),

Gene: Che9d_24 Start: 17101, Stop: 19650, Start Num: 16

Candidate Starts for Che9d_24:

(14, 17092), (Start: 16 @17101 has 7 MA's), (Start: 30 @17161 has 239 MA's), (43, 17197), (85, 17296), (131, 17437), (142, 17476), (148, 17491), (159, 17527), (161, 17533), (162, 17536), (169, 17554), (174, 17578), (180, 17602), (181, 17605), (203, 17749), (206, 17758), (214, 17782), (217, 17806), (224, 17830), (225, 17836), (232, 17857), (233, 17860), (238, 17878), (245, 17908), (258, 17938), (264, 17959), (287, 18052), (290, 18067), (291, 18076), (295, 18097), (296, 18100), (307, 18142), (321, 18184), (322, 18187), (324, 18196), (329, 18223), (331, 18232), (337, 18271), (340, 18292), (342, 18295), (346, 18331), (351, 18352), (369, 18430), (370, 18433), (385, 18487), (396, 18547), (410, 18634), (412, 18640), (415, 18661), (424, 18697), (435, 18751), (437, 18760), (455, 18838), (458, 18856), (463, 18892), (464, 18895), (466, 18913), (470, 18931), (478, 18988), (480, 19000), (495, 19063), (498, 19096), (507, 19183), (518, 19231), (519, 19255), (524, 19282), (527, 19291), (532, 19330), (538, 19369), (542, 19393), (545, 19414), (558, 19510), (565, 19531), (572, 19591), (574, 19594), (577, 19621),

Gene: CheetoDust_27 Start: 20889, Stop: 23321, Start Num: 57

Candidate Starts for CheetoDust_27:

(Start: 57 @20889 has 90 MA's), (95, 20988), (166, 21249), (204, 21477), (211, 21507), (212, 21510), (218, 21540), (242, 21612), (247, 21636), (264, 21681), (295, 21834), (302, 21879), (306, 21891), (309, 21900), (324, 21951), (354, 22131), (359, 22146), (369, 22197), (373, 22215), (377, 22227), (385, 22269), (389, 22290), (397, 22332), (405, 22371), (406, 22377), (407, 22386), (410, 22407), (420, 22455), (423, 22467), (432, 22515), (450, 22584), (458, 22626), (469, 22695), (470, 22698), (472, 22707), (476, 22728), (492, 22821), (504, 22917), (515, 22980), (527, 23064), (539, 23145), (550, 23220),

Gene: Chevrolet_17 Start: 17438, Stop: 19975, Start Num: 30

Candidate Starts for Chevrolet_17:

(Start: 30 @17438 has 239 MA's), (36, 17459), (Start: 46 @17480 has 1 MA's), (60, 17519), (93, 17588), (99, 17597), (100, 17600), (105, 17618), (115, 17651), (120, 17666), (158, 17825), (159, 17828), (168, 17858), (171, 17873), (184, 17951), (187, 17972), (188, 17975), (199, 18041), (214, 18116), (215, 18122), (224, 18164), (225, 18170), (226, 18173), (236, 18206), (238, 18212), (245, 18242), (255, 18263), (264, 18293), (266, 18302), (291, 18410), (294, 18422), (295, 18431), (296, 18434), (297, 18443), (298, 18449), (301, 18464), (303, 18467), (311, 18488), (324, 18530), (330, 18563), (356, 18704), (358, 18710), (369, 18764), (370, 18767), (377, 18794), (392, 18854), (394, 18869), (396, 18881), (397, 18884), (408, 18950), (412, 18974), (415, 18995), (417, 19004), (430, 19064), (431, 19067), (439, 19103), (441, 19121), (446, 19133), (448, 19142), (456, 19169), (466, 19238), (470, 19256), (472, 19265), (473, 19277), (478, 19313), (482, 19343), (498, 19424), (504, 19478), (515, 19538), (520, 19580), (533, 19658), (542, 19715), (546, 19739), (553, 19793), (558, 19841), (568, 19883), (570, 19907), (571, 19910),

Gene: ChickenDinner_19 Start: 17271, Stop: 19796, Start Num: 30

Candidate Starts for ChickenDinner_19:

(Start: 30 @17271 has 239 MA's), (36, 17292), (Start: 46 @17313 has 1 MA's), (60, 17352), (93, 17421), (99, 17430), (100, 17433), (105, 17451), (115, 17484), (120, 17499), (131, 17547), (158, 17658), (159, 17661), (171, 17706), (184, 17784), (188, 17808), (199, 17874), (200, 17883), (214, 17949), (215, 17955), (217, 17973), (224, 17997), (225, 18003), (226, 18006), (236, 18039), (238, 18045), (245, 18075), (255, 18096), (266, 18135), (270, 18150), (272, 18156), (303, 18300), (321, 18351), (341, 18462), (349, 18513), (355, 18537), (377, 18630), (388, 18675), (391, 18684), (394, 18705), (396, 18717), (397, 18720), (405, 18765), (412, 18810), (414, 18828), (415, 18831), (426, 18882), (437, 18933), (439, 18939), (441, 18957), (446, 18969), (448, 18978), (457, 19011), (470, 19092), (480, 19161), (486, 19188), (492, 19215), (499, 19266), (504, 19314), (545, 19557), (558, 19662), (565, 19683), (573, 19737), (576, 19761),

Gene: ChosenOne_25 Start: 21491, Stop: 23887, Start Num: 66

Candidate Starts for ChosenOne_25:

(Start: 66 @21491 has 122 MA's), (128, 21668), (132, 21689), (178, 21836), (205, 22010), (214, 22043), (220, 22079), (245, 22172), (266, 22232), (271, 22250), (299, 22382), (313, 22427), (342, 22559), (347, 22604), (365, 22664), (391, 22778), (394, 22799), (402, 22838), (405, 22859), (407, 22874), (437, 23024), (439, 23030), (441, 23048), (457, 23102), (470, 23186), (486, 23279), (527, 23525), (558, 23741), (571, 23825), (577, 23858),

Gene: ChotaBhai_26 Start: 21533, Stop: 23929, Start Num: 66

Candidate Starts for ChotaBhai_26:

(Start: 66 @21533 has 122 MA's), (128, 21710), (132, 21731), (178, 21878), (200, 22019), (205, 22052), (214, 22085), (220, 22121), (245, 22214), (266, 22274), (271, 22292), (299, 22424), (313, 22469), (342, 22601), (347, 22646), (391, 22820), (394, 22841), (402, 22880), (405, 22901), (407, 22916), (439, 23072), (441, 23090), (457, 23144), (470, 23228), (486, 23321), (527, 23567), (558, 23783), (571, 23867), (577, 23900),

Gene: Chris_26 Start: 20139, Stop: 22598, Start Num: 57

Candidate Starts for Chris_26:

(Start: 57 @20139 has 90 MA's), (62, 20148), (76, 20187), (117, 20310), (130, 20367), (158, 20472), (171, 20520), (177, 20547), (202, 20709), (225, 20820), (228, 20829), (230, 20838), (235, 20859), (247, 20907), (276, 21009), (308, 21168), (328, 21249), (344, 21351), (354, 21405), (368, 21465), (381, 21528), (385, 21543), (386, 21555), (389, 21564), (397, 21606), (405, 21651), (407, 21666), (425, 21753), (429, 21777), (476, 22014), (493, 22110), (512, 22248), (525, 22332), (557, 22563), (558, 22569),

Gene: Chuckly_18 Start: 17569, Stop: 20106, Start Num: 30

Candidate Starts for Chuckly_18:

(Start: 25 @17557 has 3 MA's), (Start: 30 @17569 has 239 MA's), (36, 17590), (Start: 46 @17611 has 1 MA's), (60, 17650), (93, 17719), (99, 17728), (100, 17731), (105, 17749), (115, 17782), (120, 17797), (131, 17845), (158, 17956), (159, 17959), (168, 17989), (170, 18001), (171, 18004), (184, 18082), (188, 18106), (199, 18172), (206, 18217), (214, 18247), (215, 18253), (217, 18271), (224, 18295), (226, 18304), (236, 18337), (238, 18343), (245, 18373), (260, 18412), (264, 18424), (266, 18433), (270, 18448), (272, 18454), (295, 18562), (296, 18565), (297, 18574), (298, 18580), (301, 18595), (303, 18598), (311, 18619), (321, 18649), (324, 18661), (330, 18694), (342, 18760), (347, 18805), (349, 18808), (356, 18835), (358, 18841), (369, 18895), (370, 18898), (392, 18985), (394, 19000), (396, 19012), (397, 19015), (408, 19081), (412, 19105), (415, 19126), (417, 19135), (430, 19195), (431, 19198), (439, 19234), (441, 19252), (448, 19273), (456, 19300), (466, 19369), (470, 19387), (472, 19396), (473, 19408), (478, 19444), (482, 19474), (488, 19495), (495, 19519), (498, 19555), (504, 19609), (515, 19669), (520, 19711), (542, 19846), (546, 19870), (553, 19924), (558, 19972), (568, 20014), (570, 20038), (571, 20041),

Gene: Cjw1_26 Start: 23044, Stop: 25440, Start Num: 66

Candidate Starts for Cjw1_26:

(Start: 66 @23044 has 122 MA's), (128, 23221), (132, 23242), (178, 23389), (205, 23563), (214, 23596), (220, 23632), (266, 23785), (271, 23803), (299, 23935), (313, 23980), (342, 24112), (347, 24157), (365, 24217), (391, 24331), (394, 24352), (402, 24391), (405, 24412), (407, 24427), (437, 24577), (439, 24583), (441, 24601), (457, 24655), (470, 24739), (486, 24832), (527, 25078), (558, 25294), (571, 25378), (577, 25411),

Gene: Coco12_20 Start: 17795, Stop: 20272, Start Num: 30

Candidate Starts for Coco12_20:

(Start: 25 @17783 has 3 MA's), (Start: 30 @17795 has 239 MA's), (36, 17816), (Start: 46 @17837 has 1 MA's), (61, 17876), (93, 17945), (99, 17954), (100, 17957), (105, 17975), (115, 18008), (120, 18023), (142, 18110), (148, 18125), (159, 18161), (161, 18167), (171, 18200), (174, 18212), (203, 18383), (206, 18392), (214, 18416), (225, 18470), (236, 18506), (238, 18512), (245, 18542), (258, 18572), (264, 18593), (266, 18602), (287, 18686), (298, 18749), (303, 18767), (307, 18776), (313, 18797), (314, 18800), (321, 18818), (324, 18830), (329, 18857), (331, 18866), (339, 18917), (340, 18926), (342, 18929), (345, 18956), (346, 18965), (351, 18986), (369, 19064), (370, 19067), (395, 19175), (396, 19181), (405, 19229), (411, 19271), (412, 19274), (415, 19295), (416, 19301), (417, 19304), (424, 19334), (455, 19475), (458, 19493), (462, 19526), (466, 19550), (467, 19553), (470, 19568), (473, 19589), (478, 19625), (479, 19631), (484, 19658), (491, 19685), (507, 19820), (518, 19868), (519, 19892), (521, 19898), (527, 19916), (542, 20015), (545, 20036), (548, 20054), (558, 20132), (565, 20153), (574, 20216), (575, 20234), (578, 20252),

Gene: Command613_27 Start: 22552, Stop: 24948, Start Num: 66

Candidate Starts for Command613_27:

(Start: 66 @22552 has 122 MA's), (128, 22729), (132, 22750), (178, 22897), (200, 23038), (205, 23071), (214, 23104), (220, 23140), (245, 23233), (266, 23293), (271, 23311), (290, 23392), (342, 23620), (347, 23665), (394, 23860), (395, 23866), (397, 23875), (405, 23920), (407, 23935), (439, 24091), (441, 24109), (444, 24118), (470, 24247), (471, 24250), (503, 24460), (505, 24472), (527, 24586), (558, 24802), (571, 24886), (575, 24910), (577, 24919),

Gene: Contagion_25 Start: 21791, Stop: 24187, Start Num: 66

Candidate Starts for Contagion_25:

(Start: 66 @21791 has 122 MA's), (128, 21968), (132, 21989), (178, 22136), (200, 22277), (205, 22310), (214, 22343), (220, 22379), (245, 22472), (266, 22532), (271, 22550), (299, 22682), (313, 22727), (342, 22859), (347, 22904), (391, 23078), (394, 23099), (402, 23138), (405, 23159), (407, 23174), (439, 23330), (441, 23348), (457, 23402), (470, 23486), (486, 23579), (527, 23825), (558,

24041), (571, 24125), (577, 24158),

Gene: Cookies_26 Start: 22153, Stop: 24549, Start Num: 66

Candidate Starts for Cookies_26:

(Start: 66 @22153 has 122 MA's), (128, 22330), (132, 22351), (178, 22498), (200, 22639), (205, 22672), (214, 22705), (220, 22741), (245, 22834), (266, 22894), (271, 22912), (299, 23044), (313, 23089), (342, 23221), (347, 23266), (365, 23326), (391, 23440), (394, 23461), (402, 23500), (405, 23521), (407, 23536), (437, 23686), (439, 23692), (441, 23710), (457, 23764), (470, 23848), (486, 23941), (527, 24187), (558, 24403), (571, 24487), (577, 24520),

Gene: Corndog_61 Start: 37139, Stop: 39649, Start Num: 30

Candidate Starts for Corndog_61:

(Start: 30 @37139 has 239 MA's), (39, 37172), (63, 37241), (65, 37244), (73, 37268), (81, 37292), (87, 37316), (103, 37349), (155, 37556), (158, 37568), (159, 37571), (191, 37718), (194, 37748), (199, 37772), (206, 37802), (207, 37805), (214, 37832), (217, 37856), (225, 37886), (241, 37943), (260, 38003), (264, 38015), (270, 38039), (271, 38042), (279, 38084), (301, 38180), (303, 38183), (362, 38438), (394, 38582), (405, 38642), (414, 38714), (415, 38717), (436, 38813), (470, 38987), (473, 39008), (491, 39101), (494, 39113), (504, 39203), (517, 39278), (532, 39323), (564, 39524), (569, 39578), (574, 39593),

Gene: Cornie_20 Start: 18264, Stop: 20744, Start Num: 31

Candidate Starts for Cornie_20:

(Start: 31 @18264 has 1 MA's), (33, 18270), (36, 18276), (Start: 66 @18339 has 122 MA's), (69, 18342), (81, 18369), (102, 18423), (105, 18432), (115, 18465), (124, 18498), (131, 18531), (142, 18570), (148, 18585), (159, 18621), (161, 18627), (162, 18630), (169, 18648), (171, 18660), (174, 18672), (180, 18696), (181, 18699), (196, 18804), (200, 18828), (203, 18843), (206, 18852), (214, 18876), (215, 18882), (217, 18900), (220, 18912), (222, 18918), (224, 18924), (225, 18930), (226, 18933), (229, 18942), (232, 18951), (236, 18966), (245, 19002), (260, 19041), (264, 19053), (266, 19062), (287, 19146), (303, 19227), (307, 19236), (314, 19260), (324, 19290), (331, 19326), (339, 19377), (340, 19386), (342, 19389), (345, 19416), (346, 19425), (351, 19446), (361, 19482), (369, 19524), (370, 19527), (385, 19581), (396, 19641), (410, 19728), (412, 19734), (415, 19755), (424, 19791), (435, 19845), (437, 19854), (455, 19932), (458, 19950), (463, 19986), (464, 19989), (466, 20007), (470, 20025), (478, 20082), (480, 20094), (495, 20157), (498, 20190), (507, 20277), (518, 20325), (519, 20349), (524, 20376), (527, 20385), (532, 20424), (538, 20463), (542, 20487), (545, 20508), (558, 20604), (565, 20625), (572, 20685), (574, 20688), (577, 20715),

Gene: Cornucopia_19 Start: 17435, Stop: 19972, Start Num: 30

Candidate Starts for Cornucopia_19:

(Start: 30 @17435 has 239 MA's), (36, 17456), (Start: 46 @17477 has 1 MA's), (60, 17516), (93, 17585), (99, 17594), (100, 17597), (105, 17615), (120, 17663), (157, 17816), (159, 17825), (171, 17870), (187, 17969), (188, 17972), (199, 18038), (214, 18113), (215, 18119), (217, 18137), (224, 18161), (226, 18170), (236, 18203), (238, 18209), (245, 18239), (255, 18260), (260, 18278), (264, 18290), (266, 18299), (270, 18314), (271, 18317), (295, 18428), (296, 18431), (297, 18440), (298, 18446), (301, 18461), (303, 18464), (311, 18485), (321, 18515), (324, 18527), (330, 18560), (347, 18671), (349, 18674), (356, 18701), (358, 18707), (369, 18761), (370, 18764), (383, 18812), (392, 18851), (394, 18866), (396, 18878), (397, 18881), (401, 18902), (408, 18947), (412, 18971), (417, 19001), (426, 19043), (430, 19061), (431, 19064), (439, 19100), (441, 19118), (446, 19130), (448, 19139), (457, 19172), (466, 19235), (470, 19253), (472, 19262), (473, 19274), (482, 19340), (488, 19361), (495, 19385), (498, 19421), (504, 19475), (515, 19535), (520, 19577), (533, 19655), (542, 19712), (546, 19736), (553, 19790), (558, 19838), (568, 19880), (570, 19904), (571, 19907),

Gene: Cosmo_43 Start: 28347, Stop: 30914, Start Num: 28

Candidate Starts for Cosmo_43:

(Start: 28 @28347 has 6 MA's), (48, 28416), (92, 28539), (96, 28545), (98, 28548), (109, 28572), (113, 28593), (152, 28749), (154, 28755), (156, 28761), (164, 28791), (166, 28797), (171, 28818), (173, 28827), (183, 28887), (189, 28923), (195, 28965), (215, 29064), (221, 29097), (225, 29112), (226, 29115), (238, 29154), (255, 29205), (260, 29223), (266, 29244), (268, 29250), (275, 29277), (279, 29304), (295, 29373), (300, 29397), (307, 29418), (313, 29439), (317, 29448), (324, 29469), (330, 29502), (331, 29505), (339, 29556), (342, 29568), (353, 29634), (359, 29652), (366, 29691), (394, 29808), (403, 29853), (411, 29910), (415, 29934), (417, 29943), (421, 29961), (430, 30006), (437, 30039), (443, 30075), (477, 30249), (478, 30267), (479, 30273), (492, 30330), (541, 30654), (543, 30672), (551, 30723), (559, 30786), (570, 30861),

Gene: Courthouse_36 Start: 27742, Stop: 30249, Start Num: 30

Candidate Starts for Courthouse_36:

(Start: 30 @27742 has 239 MA's), (105, 27937), (115, 27973), (120, 27988), (142, 28075), (148, 28090), (171, 28165), (174, 28177), (181, 28204), (196, 28309), (203, 28348), (206, 28357), (214, 28381), (215, 28387), (217, 28405), (222, 28423), (226, 28438), (229, 28447), (232, 28456), (236, 28471), (243, 28498), (245, 28507), (260, 28546), (264, 28558), (266, 28567), (287, 28651), (303, 28732), (313, 28762), (314, 28765), (324, 28795), (329, 28822), (331, 28831), (339, 28882), (340, 28891), (342, 28894), (346, 28930), (351, 28951), (361, 28987), (395, 29140), (405, 29194), (412, 29239), (414, 29257), (415, 29260), (424, 29299), (455, 29446), (457, 29455), (467, 29524), (470, 29539), (498, 29704), (507, 29791), (518, 29839), (527, 29890), (538, 29968), (572, 30190), (574, 30193), (577, 30220),

Gene: CrimD_27 Start: 20850, Stop: 23282, Start Num: 57

Candidate Starts for CrimD_27:

(Start: 57 @20850 has 90 MA's), (95, 20949), (166, 21210), (204, 21438), (212, 21471), (218, 21501), (242, 21573), (247, 21597), (264, 21642), (295, 21795), (302, 21840), (306, 21852), (309, 21861), (319, 21897), (324, 21912), (354, 22092), (359, 22107), (373, 22176), (377, 22188), (389, 22251), (397, 22293), (405, 22332), (406, 22338), (407, 22347), (410, 22368), (423, 22428), (450, 22545), (458, 22587), (472, 22668), (476, 22689), (492, 22782), (504, 22878), (539, 23106),

Gene: CrystalP_26 Start: 22284, Stop: 24680, Start Num: 66

Candidate Starts for CrystalP_26:

(Start: 66 @22284 has 122 MA's), (128, 22461), (132, 22482), (178, 22629), (200, 22770), (205, 22803), (214, 22836), (220, 22872), (245, 22965), (266, 23025), (271, 23043), (290, 23124), (342, 23352), (347, 23397), (394, 23592), (395, 23598), (397, 23607), (405, 23652), (407, 23667), (439, 23823), (441, 23841), (444, 23850), (470, 23979), (471, 23982), (503, 24192), (505, 24204), (527, 24318), (558, 24534), (571, 24618), (575, 24642), (577, 24651),

Gene: Czyszczo1_27 Start: 22029, Stop: 24425, Start Num: 66

Candidate Starts for Czyszczo1_27:

(Start: 66 @22029 has 122 MA's), (128, 22206), (132, 22227), (178, 22374), (205, 22548), (214, 22581), (220, 22617), (245, 22710), (266, 22770), (271, 22788), (299, 22920), (313, 22965), (342, 23097), (347, 23142), (365, 23202), (391, 23316), (394, 23337), (402, 23376), (405, 23397), (407, 23412), (437, 23562), (439, 23568), (441, 23586), (457, 23640), (470, 23724), (486, 23817), (527, 24063), (558, 24279), (571, 24363), (577, 24396),

Gene: DLane_18 Start: 17386, Stop: 19923, Start Num: 30

Candidate Starts for DLane_18:

(Start: 25 @17374 has 3 MA's), (Start: 30 @17386 has 239 MA's), (36, 17407), (Start: 46 @17428 has 1 MA's), (60, 17467), (93, 17536), (99, 17545), (100, 17548), (105, 17566), (115, 17599), (120, 17614), (131, 17662), (158, 17773), (159, 17776), (168, 17806), (169, 17809), (171, 17821), (184, 17899), (188, 17923), (199, 17989), (206, 18034), (214, 18064), (215, 18070), (217, 18088), (224, 18112), (226, 18121), (236, 18154), (238, 18160), (245, 18190), (264, 18241), (266, 18250), (270, 18265),

(271, 18268), (295, 18379), (296, 18382), (297, 18391), (298, 18397), (301, 18412), (303, 18415), (311, 18436), (321, 18466), (324, 18478), (330, 18511), (347, 18622), (349, 18625), (356, 18652), (358, 18658), (369, 18712), (370, 18715), (394, 18817), (396, 18829), (397, 18832), (408, 18898), (412, 18922), (415, 18943), (417, 18952), (430, 19012), (431, 19015), (439, 19051), (441, 19069), (446, 19081), (448, 19090), (456, 19117), (466, 19186), (470, 19204), (472, 19213), (473, 19225), (478, 19261), (482, 19291), (488, 19312), (495, 19336), (498, 19372), (504, 19426), (515, 19486), (520, 19528), (533, 19606), (542, 19663), (546, 19687), (553, 19741), (558, 19789), (568, 19831), (570, 19855), (571, 19858),

Gene: DRBy19_18 Start: 17429, Stop: 19966, Start Num: 30

Candidate Starts for DRBy19_18:

(Start: 30 @17429 has 239 MA's), (36, 17450), (Start: 46 @17471 has 1 MA's), (60, 17510), (93, 17579), (99, 17588), (100, 17591), (105, 17609), (120, 17657), (157, 17810), (159, 17819), (171, 17864), (184, 17942), (188, 17966), (199, 18032), (206, 18077), (214, 18107), (215, 18113), (217, 18131), (224, 18155), (226, 18164), (236, 18197), (238, 18203), (245, 18233), (260, 18272), (266, 18293), (270, 18308), (271, 18311), (296, 18425), (297, 18434), (298, 18440), (303, 18458), (311, 18479), (321, 18509), (324, 18521), (330, 18554), (347, 18665), (349, 18668), (356, 18695), (358, 18701), (369, 18755), (370, 18758), (392, 18845), (394, 18860), (397, 18875), (412, 18965), (415, 18986), (417, 18995), (430, 19055), (431, 19058), (439, 19094), (441, 19112), (446, 19124), (448, 19133), (456, 19160), (466, 19229), (470, 19247), (472, 19256), (473, 19268), (478, 19304), (482, 19334), (488, 19355), (495, 19379), (498, 19415), (504, 19469), (520, 19571), (533, 19649), (542, 19706), (546, 19730), (553, 19784), (558, 19832), (568, 19874), (573, 19907), (574, 19910),

Gene: DaWorst_20 Start: 17930, Stop: 20467, Start Num: 30

Candidate Starts for DaWorst_20:

(Start: 30 @17930 has 239 MA's), (36, 17951), (Start: 46 @17972 has 1 MA's), (60, 18011), (93, 18080), (99, 18089), (100, 18092), (105, 18110), (115, 18143), (120, 18158), (158, 18317), (159, 18320), (168, 18350), (171, 18365), (184, 18443), (187, 18464), (188, 18467), (199, 18533), (214, 18608), (215, 18614), (224, 18656), (225, 18662), (226, 18665), (236, 18698), (238, 18704), (245, 18734), (255, 18755), (264, 18785), (266, 18794), (291, 18902), (294, 18914), (295, 18923), (296, 18926), (297, 18935), (298, 18941), (301, 18956), (303, 18959), (311, 18980), (324, 19022), (330, 19055), (356, 19196), (358, 19202), (369, 19256), (370, 19259), (377, 19286), (392, 19346), (394, 19361), (396, 19373), (397, 19376), (408, 19442), (412, 19466), (415, 19487), (417, 19496), (430, 19556), (431, 19559), (439, 19595), (441, 19613), (446, 19625), (448, 19634), (456, 19661), (466, 19730), (470, 19748), (472, 19757), (473, 19769), (478, 19805), (482, 19835), (498, 19916), (504, 19970), (515, 20030), (520, 20072), (533, 20150), (542, 20207), (546, 20231), (553, 20285), (558, 20333), (568, 20375), (570, 20399), (571, 20402),

Gene: DaddyRickover_18 Start: 17568, Stop: 20105, Start Num: 30

Candidate Starts for DaddyRickover_18:

(Start: 25 @17556 has 3 MA's), (Start: 30 @17568 has 239 MA's), (36, 17589), (Start: 46 @17610 has 1 MA's), (60, 17649), (93, 17718), (99, 17727), (100, 17730), (105, 17748), (120, 17796), (131, 17844), (158, 17955), (159, 17958), (171, 18003), (184, 18081), (188, 18105), (199, 18171), (206, 18216), (214, 18246), (215, 18252), (217, 18270), (224, 18294), (226, 18303), (236, 18336), (238, 18342), (245, 18372), (260, 18411), (264, 18423), (266, 18432), (270, 18447), (271, 18450), (295, 18561), (296, 18564), (297, 18573), (298, 18579), (301, 18594), (303, 18597), (311, 18618), (321, 18648), (324, 18660), (330, 18693), (347, 18804), (349, 18807), (356, 18834), (358, 18840), (369, 18894), (370, 18897), (394, 18999), (396, 19011), (397, 19014), (408, 19080), (412, 19104), (415, 19125), (417, 19134), (430, 19194), (431, 19197), (439, 19233), (441, 19251), (448, 19272), (456, 19299), (466, 19368), (470, 19386), (472, 19395), (473, 19407), (478, 19443), (488, 19494), (493, 19512), (498, 19554), (504, 19608), (520, 19710), (542, 19845), (546, 19869), (553, 19923), (565, 19992), (570, 20037), (571, 20040),

Gene: Daenerys_18 Start: 17400, Stop: 19937, Start Num: 30

Candidate Starts for Daenerys_18:

(Start: 25 @17388 has 3 MA's), (Start: 30 @17400 has 239 MA's), (36, 17421), (Start: 46 @17442 has 1 MA's), (60, 17481), (93, 17550), (99, 17559), (100, 17562), (105, 17580), (120, 17628), (131, 17676), (158, 17787), (159, 17790), (171, 17835), (184, 17913), (188, 17937), (199, 18003), (206, 18048), (214, 18078), (215, 18084), (217, 18102), (224, 18126), (226, 18135), (236, 18168), (238, 18174), (245, 18204), (260, 18243), (264, 18255), (266, 18264), (270, 18279), (271, 18282), (295, 18393), (296, 18396), (297, 18405), (298, 18411), (301, 18426), (303, 18429), (311, 18450), (321, 18480), (324, 18492), (330, 18525), (347, 18636), (349, 18639), (356, 18666), (358, 18672), (369, 18726), (370, 18729), (394, 18831), (396, 18843), (397, 18846), (408, 18912), (412, 18936), (415, 18957), (417, 18966), (430, 19026), (431, 19029), (439, 19065), (441, 19083), (448, 19104), (456, 19131), (466, 19200), (470, 19218), (472, 19227), (473, 19239), (478, 19275), (488, 19326), (493, 19344), (498, 19386), (504, 19440), (520, 19542), (542, 19677), (546, 19701), (553, 19755), (565, 19824), (570, 19869), (571, 19872),

Gene: Daikon_24 Start: 22021, Stop: 24417, Start Num: 66

Candidate Starts for Daikon_24:

(Start: 66 @22021 has 122 MA's), (128, 22198), (132, 22219), (178, 22366), (200, 22507), (205, 22540), (214, 22573), (220, 22609), (245, 22702), (266, 22762), (271, 22780), (307, 22936), (313, 22957), (339, 23077), (342, 23089), (347, 23134), (394, 23329), (397, 23344), (405, 23389), (407, 23404), (439, 23560), (441, 23578), (444, 23587), (470, 23716), (471, 23719), (503, 23929), (505, 23941), (527, 24055), (558, 24271), (571, 24355), (575, 24379), (577, 24388),

Gene: Dalmuri_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Dalmuri_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Damien_29 Start: 25682, Stop: 28525, Start Num: 2

Candidate Starts for Damien_29:

(Start: 2 @25682 has 8 MA's), (10, 25814), (11, 25826), (13, 25835), (24, 25904), (27, 25910), (47, 25970), (51, 25991), (68, 26039), (82, 26081), (90, 26105), (105, 26138), (114, 26174), (118, 26186), (139, 26279), (156, 26336), (167, 26375), (190, 26501), (200, 26570), (204, 26600), (215, 26642), (226, 26693), (255, 26783), (260, 26801), (279, 26882), (290, 26921), (294, 26942), (330, 27080), (336, 27119), (346, 27182), (370, 27284), (414, 27509), (483, 27872), (491, 27899), (528, 28142), (531, 28175), (535, 28199), (552, 28319), (566, 28397), (577, 28484), (579, 28499), (580, 28505),

Gene: Dante_18 Start: 17416, Stop: 19953, Start Num: 30

Candidate Starts for Dante_18:

(Start: 25 @17404 has 3 MA's), (Start: 30 @17416 has 239 MA's), (36, 17437), (Start: 46 @17458 has 1 MA's), (60, 17497), (93, 17566), (99, 17575), (100, 17578), (105, 17596), (115, 17629), (120, 17644), (131, 17692), (157, 17797), (158, 17803), (159, 17806), (170, 17848), (171, 17851), (184, 17929), (188, 17953), (199, 18019), (206, 18064), (214, 18094), (215, 18100), (217, 18118), (224, 18142), (226, 18151), (236, 18184), (238, 18190), (245, 18220), (260, 18259), (264, 18271), (266, 18280), (270, 18295), (271, 18298), (295, 18409), (296, 18412), (297, 18421), (298, 18427), (301, 18442), (303, 18445), (311, 18466), (321, 18496), (330, 18541), (347, 18652), (349, 18655), (356, 18682), (358, 18688), (369, 18742), (370, 18745), (394, 18847), (396, 18859), (397, 18862), (408, 18928), (412, 18952), (415, 18973), (417, 18982), (430, 19042), (431, 19045), (439, 19081), (441, 19099), (446, 19111), (448, 19120), (456, 19147), (466, 19216), (470, 19234), (472, 19243), (473, 19255),

(478, 19291), (482, 19321), (488, 19342), (495, 19366), (498, 19402), (504, 19456), (515, 19516), (520, 19558), (533, 19636), (542, 19693), (546, 19717), (553, 19771), (558, 19819), (568, 19861), (570, 19885), (571, 19888),

Gene: DeadP_18 Start: 17430, Stop: 19967, Start Num: 30

Candidate Starts for DeadP_18:

(Start: 25 @17418 has 3 MA's), (Start: 30 @17430 has 239 MA's), (36, 17451), (Start: 46 @17472 has 1 MA's), (60, 17511), (93, 17580), (99, 17589), (100, 17592), (105, 17610), (115, 17643), (120, 17658), (131, 17706), (157, 17811), (158, 17817), (159, 17820), (170, 17862), (171, 17865), (184, 17943), (199, 18033), (206, 18078), (214, 18108), (215, 18114), (217, 18132), (224, 18156), (226, 18165), (236, 18198), (238, 18204), (245, 18234), (260, 18273), (264, 18285), (266, 18294), (270, 18309), (271, 18312), (295, 18423), (296, 18426), (297, 18435), (298, 18441), (301, 18456), (303, 18459), (311, 18480), (321, 18510), (324, 18522), (330, 18555), (347, 18666), (349, 18669), (356, 18696), (358, 18702), (369, 18756), (370, 18759), (392, 18846), (394, 18861), (396, 18873), (397, 18876), (408, 18942), (412, 18966), (415, 18987), (417, 18996), (430, 19056), (431, 19059), (439, 19095), (441, 19113), (446, 19125), (448, 19134), (456, 19161), (466, 19230), (470, 19248), (472, 19257), (473, 19269), (478, 19305), (482, 19335), (488, 19356), (495, 19380), (498, 19416), (504, 19470), (515, 19530), (520, 19572), (542, 19707), (546, 19731), (553, 19785), (558, 19833), (568, 19875), (570, 19899), (571, 19902),

Gene: Deb65_18 Start: 17397, Stop: 19934, Start Num: 30

Candidate Starts for Deb65_18:

(Start: 30 @17397 has 239 MA's), (36, 17418), (Start: 46 @17439 has 1 MA's), (60, 17478), (93, 17547), (99, 17556), (100, 17559), (105, 17577), (120, 17625), (131, 17673), (158, 17784), (159, 17787), (171, 17832), (184, 17910), (188, 17934), (199, 18000), (214, 18075), (215, 18081), (217, 18099), (224, 18123), (226, 18132), (236, 18165), (238, 18171), (245, 18201), (255, 18222), (264, 18252), (266, 18261), (291, 18369), (294, 18381), (295, 18390), (296, 18393), (298, 18408), (301, 18423), (303, 18426), (311, 18447), (324, 18489), (330, 18522), (347, 18633), (349, 18636), (356, 18663), (358, 18669), (369, 18723), (370, 18726), (377, 18753), (394, 18828), (396, 18840), (397, 18843), (408, 18909), (411, 18930), (412, 18933), (415, 18954), (417, 18963), (426, 19005), (430, 19023), (431, 19026), (437, 19056), (441, 19080), (446, 19092), (448, 19101), (466, 19197), (470, 19215), (472, 19224), (473, 19236), (478, 19272), (482, 19302), (486, 19311), (488, 19323), (498, 19383), (504, 19437), (515, 19497), (520, 19539), (542, 19674), (546, 19698), (553, 19752), (558, 19800), (568, 19842), (570, 19866), (571, 19869),

Gene: Deby_27 Start: 20846, Stop: 23278, Start Num: 57

Candidate Starts for Deby_27:

(Start: 57 @20846 has 90 MA's), (95, 20945), (166, 21206), (171, 21227), (204, 21434), (212, 21467), (218, 21497), (242, 21569), (247, 21593), (295, 21791), (302, 21836), (306, 21848), (309, 21857), (324, 21908), (354, 22088), (359, 22103), (373, 22172), (377, 22184), (389, 22247), (397, 22289), (405, 22328), (406, 22334), (407, 22343), (410, 22364), (423, 22424), (430, 22457), (432, 22472), (433, 22475), (446, 22529), (450, 22541), (470, 22655), (472, 22664), (476, 22685), (487, 22757), (492, 22778), (504, 22874), (539, 23102), (558, 23249),

Gene: Demsculpinboyz_24 Start: 17086, Stop: 19635, Start Num: 16

Candidate Starts for Demsculpinboyz_24:

(14, 17077), (Start: 16 @17086 has 7 MA's), (Start: 30 @17146 has 239 MA's), (41, 17179), (43, 17182), (75, 17251), (85, 17281), (142, 17461), (148, 17476), (159, 17512), (161, 17518), (169, 17539), (174, 17563), (180, 17587), (203, 17734), (206, 17743), (214, 17767), (217, 17791), (224, 17815), (225, 17821), (232, 17842), (238, 17863), (245, 17893), (258, 17923), (264, 17944), (287, 18037), (290, 18052), (291, 18061), (293, 18070), (295, 18082), (296, 18085), (321, 18169), (322, 18172), (324, 18181), (329, 18208), (331, 18217), (337, 18256), (340, 18277), (342, 18280), (346, 18316), (351, 18337), (369, 18415), (370, 18418), (396, 18532), (410, 18619), (412, 18625), (415,

18646), (424, 18682), (435, 18736), (437, 18745), (455, 18823), (458, 18841), (463, 18877), (464, 18880), (466, 18898), (470, 18916), (478, 18973), (480, 18985), (495, 19048), (498, 19081), (507, 19168), (518, 19216), (519, 19240), (527, 19276), (532, 19315), (538, 19354), (542, 19378), (545, 19399), (558, 19495), (565, 19516), (572, 19576), (574, 19579), (577, 19606),

Gene: Devera_27 Start: 20893, Stop: 23325, Start Num: 57

Candidate Starts for Devera_27:

(Start: 57 @20893 has 90 MA's), (76, 20941), (95, 20992), (166, 21253), (171, 21274), (204, 21481), (212, 21514), (218, 21544), (242, 21616), (247, 21640), (264, 21685), (295, 21838), (306, 21895), (309, 21904), (319, 21940), (324, 21955), (354, 22135), (359, 22150), (373, 22219), (377, 22231), (389, 22294), (397, 22336), (405, 22375), (406, 22381), (407, 22390), (410, 22411), (423, 22471), (432, 22519), (446, 22576), (450, 22588), (458, 22630), (470, 22702), (472, 22711), (487, 22804), (492, 22825), (504, 22921), (513, 22975), (527, 23068), (539, 23149), (558, 23296),

Gene: DillTech15_18 Start: 17434, Stop: 19971, Start Num: 30

Candidate Starts for DillTech15_18:

(Start: 30 @17434 has 239 MA's), (36, 17455), (Start: 46 @17476 has 1 MA's), (60, 17515), (93, 17584), (99, 17593), (100, 17596), (105, 17614), (115, 17647), (120, 17662), (157, 17815), (159, 17824), (171, 17869), (187, 17968), (188, 17971), (199, 18037), (206, 18082), (214, 18112), (215, 18118), (217, 18136), (224, 18160), (225, 18166), (226, 18169), (236, 18202), (238, 18208), (245, 18238), (260, 18277), (264, 18289), (266, 18298), (270, 18313), (271, 18316), (295, 18427), (296, 18430), (297, 18439), (298, 18445), (301, 18460), (303, 18463), (311, 18484), (321, 18514), (324, 18526), (330, 18559), (347, 18670), (349, 18673), (356, 18700), (358, 18706), (369, 18760), (370, 18763), (392, 18850), (394, 18865), (396, 18877), (397, 18880), (408, 18946), (412, 18970), (415, 18991), (417, 19000), (430, 19060), (431, 19063), (439, 19099), (441, 19117), (446, 19129), (448, 19138), (456, 19165), (466, 19234), (470, 19252), (472, 19261), (473, 19273), (478, 19309), (482, 19339), (486, 19348), (488, 19360), (495, 19384), (498, 19420), (504, 19474), (515, 19534), (520, 19576), (542, 19711), (546, 19735), (553, 19789), (558, 19837), (568, 19879), (570, 19903), (571, 19906),

Gene: DirtMcgirt_19 Start: 17221, Stop: 19758, Start Num: 30

Candidate Starts for DirtMcgirt_19:

(Start: 25 @17209 has 3 MA's), (Start: 30 @17221 has 239 MA's), (36, 17242), (Start: 46 @17263 has 1 MA's), (60, 17302), (93, 17371), (99, 17380), (100, 17383), (105, 17401), (115, 17434), (120, 17449), (131, 17497), (157, 17602), (159, 17611), (170, 17653), (171, 17656), (184, 17734), (188, 17758), (199, 17824), (206, 17869), (214, 17899), (215, 17905), (217, 17923), (224, 17947), (226, 17956), (236, 17989), (238, 17995), (245, 18025), (260, 18064), (264, 18076), (266, 18085), (270, 18100), (271, 18103), (295, 18214), (297, 18226), (298, 18232), (301, 18247), (303, 18250), (311, 18271), (321, 18301), (324, 18313), (330, 18346), (347, 18457), (349, 18460), (356, 18487), (358, 18493), (369, 18547), (370, 18550), (377, 18577), (394, 18652), (396, 18664), (397, 18667), (408, 18733), (412, 18757), (417, 18787), (426, 18829), (430, 18847), (431, 18850), (439, 18886), (441, 18904), (448, 18925), (456, 18952), (466, 19021), (470, 19039), (472, 19048), (473, 19060), (478, 19096), (482, 19126), (486, 19135), (488, 19147), (498, 19207), (504, 19261), (515, 19321), (520, 19363), (533, 19441), (542, 19498), (546, 19522), (553, 19576), (558, 19624), (568, 19666), (570, 19690), (571, 19693),

Gene: DmpstrDiver_37 Start: 30383, Stop: 32890, Start Num: 30

Candidate Starts for DmpstrDiver_37:

(17, 30326), (Start: 30 @30383 has 239 MA's), (105, 30578), (115, 30614), (120, 30629), (131, 30677), (148, 30731), (159, 30767), (161, 30773), (162, 30776), (169, 30794), (171, 30806), (174, 30818), (181, 30845), (196, 30950), (203, 30989), (206, 30998), (214, 31022), (215, 31028), (217, 31046), (222, 31064), (226, 31079), (229, 31088), (232, 31097), (236, 31112), (243, 31139), (245, 31148), (260, 31187), (264, 31199), (266, 31208), (287, 31292), (303, 31373), (313, 31403), (314,

31406), (324, 31436), (329, 31463), (331, 31472), (339, 31523), (340, 31532), (342, 31535), (346, 31571), (351, 31592), (361, 31628), (395, 31781), (405, 31835), (412, 31880), (414, 31898), (415, 31901), (424, 31940), (455, 32087), (457, 32096), (467, 32165), (470, 32180), (498, 32345), (507, 32432), (518, 32480), (527, 32531), (538, 32609), (572, 32831), (574, 32834), (577, 32861),

Gene: DocMcStuffins_19 Start: 17271, Stop: 19796, Start Num: 30

Candidate Starts for DocMcStuffins_19:

(Start: 30 @17271 has 239 MA's), (36, 17292), (Start: 46 @17313 has 1 MA's), (60, 17352), (93, 17421), (99, 17430), (100, 17433), (105, 17451), (115, 17484), (120, 17499), (131, 17547), (158, 17658), (159, 17661), (171, 17706), (184, 17784), (188, 17808), (199, 17874), (200, 17883), (214, 17949), (215, 17955), (217, 17973), (224, 17997), (225, 18003), (226, 18006), (236, 18039), (238, 18045), (245, 18075), (255, 18096), (266, 18135), (270, 18150), (272, 18156), (303, 18300), (321, 18351), (341, 18462), (349, 18513), (355, 18537), (377, 18630), (388, 18675), (391, 18684), (394, 18705), (396, 18717), (397, 18720), (405, 18765), (412, 18810), (414, 18828), (415, 18831), (426, 18882), (437, 18933), (439, 18939), (441, 18957), (446, 18969), (448, 18978), (457, 19011), (470, 19092), (480, 19161), (486, 19188), (492, 19215), (499, 19266), (504, 19314), (545, 19557), (558, 19662), (565, 19683), (573, 19737), (576, 19761),

Gene: DoctorDiddles_26 Start: 21446, Stop: 23842, Start Num: 66

Candidate Starts for DoctorDiddles_26:

(Start: 66 @21446 has 122 MA's), (128, 21623), (132, 21644), (178, 21791), (205, 21965), (214, 21998), (220, 22034), (245, 22127), (266, 22187), (271, 22205), (299, 22337), (313, 22382), (342, 22514), (347, 22559), (365, 22619), (391, 22733), (394, 22754), (402, 22793), (405, 22814), (407, 22829), (437, 22979), (439, 22985), (441, 23003), (457, 23057), (470, 23141), (486, 23234), (527, 23480), (558, 23696), (571, 23780), (577, 23813),

Gene: Dole_27 Start: 20895, Stop: 23327, Start Num: 57

Candidate Starts for Dole_27:

(Start: 57 @20895 has 90 MA's), (76, 20943), (95, 20994), (166, 21255), (171, 21276), (204, 21483), (212, 21516), (218, 21546), (242, 21618), (247, 21642), (264, 21687), (295, 21840), (306, 21897), (309, 21906), (319, 21942), (324, 21957), (354, 22137), (359, 22152), (373, 22221), (377, 22233), (389, 22296), (397, 22338), (405, 22377), (406, 22383), (407, 22392), (410, 22413), (423, 22473), (432, 22521), (446, 22578), (450, 22590), (458, 22632), (470, 22704), (472, 22713), (487, 22806), (492, 22827), (504, 22923), (513, 22977), (527, 23070), (539, 23151), (558, 23298),

Gene: Donkeykong_18 Start: 17574, Stop: 20111, Start Num: 30

Candidate Starts for Donkeykong_18:

(Start: 25 @17562 has 3 MA's), (Start: 30 @17574 has 239 MA's), (36, 17595), (Start: 46 @17616 has 1 MA's), (60, 17655), (93, 17724), (99, 17733), (100, 17736), (105, 17754), (115, 17787), (120, 17802), (131, 17850), (158, 17961), (159, 17964), (168, 17994), (170, 18006), (171, 18009), (184, 18087), (188, 18111), (199, 18177), (206, 18222), (214, 18252), (215, 18258), (217, 18276), (224, 18300), (226, 18309), (236, 18342), (238, 18348), (245, 18378), (260, 18417), (264, 18429), (266, 18438), (270, 18453), (271, 18456), (295, 18567), (296, 18570), (297, 18579), (298, 18585), (301, 18600), (303, 18603), (311, 18624), (321, 18654), (324, 18666), (330, 18699), (342, 18765), (347, 18810), (349, 18813), (356, 18840), (358, 18846), (369, 18900), (370, 18903), (394, 19005), (396, 19017), (397, 19020), (408, 19086), (412, 19110), (415, 19131), (417, 19140), (430, 19200), (431, 19203), (439, 19239), (441, 19257), (446, 19269), (448, 19278), (456, 19305), (466, 19374), (470, 19392), (472, 19401), (473, 19413), (478, 19449), (482, 19479), (488, 19500), (495, 19524), (498, 19560), (504, 19614), (515, 19674), (520, 19716), (533, 19794), (542, 19851), (546, 19875), (553, 19929), (558, 19977), (568, 20019), (570, 20043), (571, 20046),

Gene: Doomphist_18 Start: 17534, Stop: 20071, Start Num: 30

Candidate Starts for Doomphist_18:

(Start: 30 @17534 has 239 MA's), (36, 17555), (Start: 46 @17576 has 1 MA's), (60, 17615), (93, 17684), (99, 17693), (100, 17696), (105, 17714), (120, 17762), (158, 17921), (159, 17924), (171, 17969), (184, 18047), (188, 18071), (199, 18137), (214, 18212), (215, 18218), (217, 18236), (224, 18260), (225, 18266), (226, 18269), (236, 18302), (238, 18308), (245, 18338), (255, 18359), (264, 18389), (266, 18398), (291, 18506), (294, 18518), (295, 18527), (296, 18530), (298, 18545), (301, 18560), (303, 18563), (311, 18584), (324, 18626), (330, 18659), (347, 18770), (349, 18773), (356, 18800), (358, 18806), (369, 18860), (370, 18863), (377, 18890), (394, 18965), (396, 18977), (397, 18980), (408, 19046), (411, 19067), (412, 19070), (415, 19091), (417, 19100), (430, 19160), (431, 19163), (439, 19199), (441, 19217), (446, 19229), (448, 19238), (456, 19265), (465, 19322), (466, 19334), (470, 19352), (472, 19361), (473, 19373), (478, 19409), (482, 19439), (486, 19448), (488, 19460), (498, 19520), (504, 19574), (515, 19634), (520, 19676), (542, 19811), (546, 19835), (553, 19889), (558, 19937), (568, 19979), (570, 20003), (571, 20006),

Gene: Dorothy_18 Start: 17358, Stop: 19895, Start Num: 30

Candidate Starts for Dorothy_18:

(Start: 25 @17346 has 3 MA's), (Start: 30 @17358 has 239 MA's), (36, 17379), (Start: 46 @17400 has 1 MA's), (60, 17439), (93, 17508), (99, 17517), (100, 17520), (105, 17538), (120, 17586), (131, 17634), (158, 17745), (159, 17748), (171, 17793), (184, 17871), (188, 17895), (199, 17961), (206, 18006), (214, 18036), (215, 18042), (217, 18060), (224, 18084), (226, 18093), (236, 18126), (238, 18132), (245, 18162), (260, 18201), (264, 18213), (266, 18222), (270, 18237), (271, 18240), (295, 18351), (296, 18354), (297, 18363), (298, 18369), (301, 18384), (303, 18387), (311, 18408), (321, 18438), (324, 18450), (330, 18483), (347, 18594), (349, 18597), (356, 18624), (358, 18630), (369, 18684), (370, 18687), (394, 18789), (396, 18801), (397, 18804), (408, 18870), (412, 18894), (415, 18915), (417, 18924), (430, 18984), (431, 18987), (439, 19023), (441, 19041), (448, 19062), (456, 19089), (466, 19158), (470, 19176), (472, 19185), (473, 19197), (478, 19233), (488, 19284), (493, 19302), (498, 19344), (504, 19398), (520, 19500), (542, 19635), (546, 19659), (553, 19713), (565, 19782), (570, 19827), (571, 19830),

Gene: DosHalletts_19 Start: 17327, Stop: 19879, Start Num: 30

Candidate Starts for DosHalletts_19:

(Start: 30 @17327 has 239 MA's), (70, 17417), (93, 17477), (99, 17486), (100, 17489), (105, 17507), (120, 17555), (130, 17600), (158, 17714), (159, 17717), (163, 17729), (169, 17750), (170, 17759), (171, 17762), (184, 17840), (194, 17906), (200, 17939), (206, 17975), (211, 17999), (225, 18059), (226, 18062), (232, 18080), (252, 18143), (254, 18146), (260, 18164), (266, 18185), (271, 18203), (277, 18230), (282, 18251), (290, 18284), (297, 18326), (298, 18332), (299, 18335), (303, 18350), (312, 18377), (313, 18380), (321, 18401), (324, 18413), (330, 18446), (345, 18539), (369, 18647), (375, 18671), (377, 18677), (382, 18695), (383, 18698), (388, 18722), (394, 18752), (399, 18776), (405, 18812), (406, 18818), (407, 18827), (411, 18854), (422, 18917), (426, 18941), (427, 18956), (437, 18998), (451, 19049), (467, 19145), (470, 19160), (472, 19169), (476, 19193), (486, 19256), (495, 19292), (540, 19598), (546, 19643), (558, 19745),

Gene: DotProduct_18 Start: 17408, Stop: 19939, Start Num: 30

Candidate Starts for DotProduct_18:

(Start: 25 @17396 has 3 MA's), (Start: 30 @17408 has 239 MA's), (36, 17429), (Start: 46 @17450 has 1 MA's), (60, 17489), (93, 17558), (99, 17567), (100, 17570), (105, 17588), (115, 17621), (120, 17636), (131, 17678), (158, 17789), (159, 17792), (169, 17825), (170, 17834), (171, 17837), (184, 17915), (199, 18005), (206, 18050), (214, 18080), (215, 18086), (217, 18104), (224, 18128), (226, 18137), (236, 18170), (238, 18176), (245, 18206), (264, 18257), (266, 18266), (270, 18281), (271, 18284), (295, 18395), (296, 18398), (297, 18407), (298, 18413), (301, 18428), (303, 18431), (311, 18452), (321, 18482), (324, 18494), (330, 18527), (347, 18638), (349, 18641), (358, 18674), (369, 18728), (370, 18731), (394, 18833), (396, 18845), (397, 18848), (408, 18914), (412, 18938), (415, 18959), (417, 18968), (430, 19028), (431, 19031), (439, 19067), (441, 19085), (446, 19097), (448, 19106), (456, 19133), (466, 19202), (470, 19220), (472, 19229), (473, 19241), (478, 19277), (482, 19307),

(488, 19328), (495, 19352), (498, 19388), (504, 19442), (515, 19502), (520, 19544), (533, 19622), (542, 19679), (546, 19703), (553, 19757), (558, 19805), (568, 19847), (570, 19871), (571, 19874),

Gene: Doug_19 Start: 17950, Stop: 20487, Start Num: 30

Candidate Starts for Doug_19:

(Start: 25 @17938 has 3 MA's), (Start: 30 @17950 has 239 MA's), (36, 17971), (Start: 46 @17992 has 1 MA's), (60, 18031), (93, 18100), (99, 18109), (100, 18112), (105, 18130), (115, 18163), (120, 18178), (131, 18226), (157, 18331), (158, 18337), (159, 18340), (170, 18382), (171, 18385), (184, 18463), (199, 18553), (206, 18598), (214, 18628), (215, 18634), (217, 18652), (224, 18676), (226, 18685), (236, 18718), (238, 18724), (245, 18754), (260, 18793), (264, 18805), (266, 18814), (270, 18829), (271, 18832), (295, 18943), (296, 18946), (297, 18955), (298, 18961), (301, 18976), (303, 18979), (311, 19000), (321, 19030), (324, 19042), (330, 19075), (342, 19141), (347, 19186), (349, 19189), (356, 19216), (358, 19222), (369, 19276), (370, 19279), (392, 19366), (394, 19381), (396, 19393), (397, 19396), (408, 19462), (412, 19486), (415, 19507), (417, 19516), (430, 19576), (431, 19579), (439, 19615), (441, 19633), (446, 19645), (448, 19654), (456, 19681), (466, 19750), (470, 19768), (472, 19777), (473, 19789), (478, 19825), (482, 19855), (488, 19876), (495, 19900), (498, 19936), (504, 19990), (515, 20050), (520, 20092), (533, 20170), (542, 20227), (546, 20251), (553, 20305), (558, 20353), (570, 20419), (571, 20422),

Gene: DrDrey_27 Start: 22776, Stop: 25172, Start Num: 66

Candidate Starts for DrDrey_27:

(Start: 66 @22776 has 122 MA's), (128, 22953), (132, 22974), (178, 23121), (205, 23295), (214, 23328), (220, 23364), (245, 23457), (266, 23517), (271, 23535), (299, 23667), (313, 23712), (342, 23844), (347, 23889), (365, 23949), (391, 24063), (394, 24084), (402, 24123), (405, 24144), (407, 24159), (437, 24309), (439, 24315), (441, 24333), (457, 24387), (470, 24471), (486, 24564), (527, 24810), (558, 25026), (571, 25110), (577, 25143),

Gene: DrHayes_27 Start: 20840, Stop: 23272, Start Num: 57

Candidate Starts for DrHayes_27:

(52, 20822), (Start: 57 @20840 has 90 MA's), (76, 20888), (95, 20939), (166, 21200), (171, 21221), (211, 21458), (212, 21461), (218, 21491), (219, 21494), (242, 21563), (247, 21587), (249, 21593), (253, 21599), (264, 21632), (295, 21785), (306, 21842), (309, 21851), (324, 21902), (354, 22082), (359, 22097), (373, 22166), (377, 22178), (383, 22214), (389, 22241), (397, 22283), (405, 22322), (406, 22328), (407, 22337), (410, 22358), (423, 22418), (430, 22451), (433, 22469), (450, 22535), (458, 22577), (470, 22649), (472, 22658), (476, 22679), (487, 22751), (504, 22868), (527, 23015), (539, 23096), (550, 23171), (558, 23243),

Gene: Drago_19 Start: 17219, Stop: 19756, Start Num: 30

Candidate Starts for Drago_19:

(Start: 25 @17207 has 3 MA's), (Start: 30 @17219 has 239 MA's), (36, 17240), (Start: 46 @17261 has 1 MA's), (60, 17300), (93, 17369), (99, 17378), (100, 17381), (105, 17399), (115, 17432), (120, 17447), (131, 17495), (157, 17600), (159, 17609), (170, 17651), (171, 17654), (184, 17732), (188, 17756), (199, 17822), (206, 17867), (214, 17897), (215, 17903), (217, 17921), (224, 17945), (226, 17954), (236, 17987), (238, 17993), (245, 18023), (260, 18062), (264, 18074), (266, 18083), (270, 18098), (271, 18101), (295, 18212), (297, 18224), (298, 18230), (301, 18245), (303, 18248), (311, 18269), (321, 18299), (324, 18311), (330, 18344), (342, 18410), (347, 18455), (349, 18458), (356, 18485), (358, 18491), (369, 18545), (370, 18548), (377, 18575), (394, 18650), (396, 18662), (397, 18665), (408, 18731), (412, 18755), (417, 18785), (426, 18827), (430, 18845), (431, 18848), (439, 18884), (441, 18902), (448, 18923), (456, 18950), (466, 19019), (470, 19037), (472, 19046), (473, 19058), (478, 19094), (482, 19124), (486, 19133), (488, 19145), (498, 19205), (504, 19259), (515, 19319), (520, 19361), (533, 19439), (542, 19496), (546, 19520), (553, 19574), (558, 19622), (568, 19664), (570, 19688), (571, 19691),

Gene: Duke13_36 Start: 29781, Stop: 32336, Start Num: 30

Candidate Starts for Duke13_36:

(17, 29724), (Start: 30 @29781 has 239 MA's), (105, 29976), (115, 30012), (120, 30027), (131, 30075), (158, 30186), (159, 30189), (171, 30234), (184, 30312), (188, 30336), (199, 30402), (206, 30447), (214, 30477), (215, 30483), (217, 30501), (224, 30525), (226, 30534), (236, 30567), (238, 30573), (245, 30603), (260, 30642), (264, 30654), (266, 30663), (270, 30678), (271, 30681), (295, 30792), (296, 30795), (297, 30804), (298, 30810), (301, 30825), (303, 30828), (311, 30849), (321, 30879), (324, 30891), (330, 30924), (347, 31035), (349, 31038), (356, 31065), (358, 31071), (369, 31125), (370, 31128), (394, 31230), (396, 31242), (397, 31245), (408, 31311), (412, 31335), (415, 31356), (417, 31365), (430, 31425), (431, 31428), (439, 31464), (441, 31482), (448, 31503), (456, 31530), (466, 31599), (470, 31617), (472, 31626), (473, 31638), (478, 31674), (488, 31725), (493, 31743), (498, 31785), (504, 31839), (520, 31941), (542, 32076), (546, 32100), (553, 32154), (565, 32223), (570, 32268), (571, 32271),

Gene: Dumbo_26 Start: 21751, Stop: 24147, Start Num: 66

Candidate Starts for Dumbo_26:

(Start: 66 @21751 has 122 MA's), (128, 21928), (132, 21949), (178, 22096), (205, 22270), (214, 22303), (220, 22339), (245, 22432), (266, 22492), (271, 22510), (299, 22642), (313, 22687), (342, 22819), (347, 22864), (365, 22924), (391, 23038), (394, 23059), (402, 23098), (405, 23119), (407, 23134), (437, 23284), (439, 23290), (441, 23308), (457, 23362), (470, 23446), (486, 23539), (527, 23785), (558, 24001), (571, 24085), (577, 24118),

Gene: Durfee_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Durfee_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Dusk_25 Start: 21943, Stop: 24339, Start Num: 66

Candidate Starts for Dusk_25:

(Start: 66 @21943 has 122 MA's), (128, 22120), (132, 22141), (178, 22288), (200, 22429), (205, 22462), (214, 22495), (220, 22531), (245, 22624), (266, 22684), (271, 22702), (290, 22783), (342, 23011), (347, 23056), (394, 23251), (395, 23257), (397, 23266), (405, 23311), (407, 23326), (439, 23482), (441, 23500), (444, 23509), (458, 23563), (470, 23638), (471, 23641), (503, 23851), (505, 23863), (527, 23977), (558, 24193), (571, 24277), (575, 24301), (577, 24310),

Gene: Dylan_58 Start: 36190, Stop: 38700, Start Num: 30

Candidate Starts for Dylan_58:

(Start: 30 @36190 has 239 MA's), (39, 36223), (63, 36292), (65, 36295), (73, 36319), (81, 36343), (87, 36367), (103, 36400), (155, 36607), (158, 36619), (159, 36622), (191, 36769), (194, 36799), (199, 36823), (206, 36853), (207, 36856), (214, 36883), (217, 36907), (225, 36937), (241, 36994), (260, 37054), (264, 37066), (270, 37090), (271, 37093), (279, 37135), (301, 37231), (303, 37234), (362, 37489), (394, 37633), (405, 37693), (414, 37765), (415, 37768), (436, 37864), (470, 38038), (473, 38059), (491, 38152), (494, 38164), (504, 38254), (517, 38329), (532, 38374), (564, 38575), (569, 38629), (574, 38644),

Gene: Easy2Say_28 Start: 23534, Stop: 25930, Start Num: 66

Candidate Starts for Easy2Say_28:

(Start: 66 @23534 has 122 MA's), (128, 23711), (132, 23732), (178, 23879), (200, 24020), (205, 24053), (214, 24086), (220, 24122), (245, 24215), (266, 24275), (271, 24293), (299, 24425), (313,

24470), (342, 24602), (347, 24647), (365, 24707), (391, 24821), (394, 24842), (402, 24881), (405, 24902), (407, 24917), (437, 25067), (439, 25073), (441, 25091), (457, 25145), (470, 25229), (486, 25322), (527, 25568), (558, 25784), (571, 25868), (577, 25901),

Gene: Efra2_27 Start: 20082, Stop: 22514, Start Num: 57

Candidate Starts for Efra2_27:

(Start: 57 @20082 has 90 MA's), (76, 20130), (Start: 77 @20133 has 1 MA's), (80, 20142), (166, 20442), (171, 20463), (212, 20703), (242, 20805), (247, 20829), (249, 20835), (264, 20874), (295, 21027), (306, 21084), (309, 21093), (324, 21144), (356, 21330), (359, 21339), (360, 21345), (369, 21390), (373, 21408), (389, 21483), (397, 21525), (405, 21564), (406, 21570), (407, 21579), (410, 21600), (420, 21648), (430, 21693), (432, 21708), (450, 21777), (458, 21819), (472, 21900), (487, 21993), (492, 22014), (504, 22110), (539, 22338), (547, 22392), (550, 22413), (558, 22485), (563, 22503),

Gene: Eish_18 Start: 17540, Stop: 20077, Start Num: 30

Candidate Starts for Eish_18:

(Start: 30 @17540 has 239 MA's), (36, 17561), (Start: 46 @17582 has 1 MA's), (60, 17621), (93, 17690), (99, 17699), (100, 17702), (105, 17720), (115, 17753), (120, 17768), (131, 17816), (157, 17921), (159, 17930), (171, 17975), (184, 18053), (188, 18077), (199, 18143), (214, 18218), (215, 18224), (217, 18242), (224, 18266), (225, 18272), (226, 18275), (236, 18308), (238, 18314), (245, 18344), (255, 18365), (264, 18395), (266, 18404), (291, 18512), (294, 18524), (295, 18533), (296, 18536), (297, 18545), (298, 18551), (301, 18566), (303, 18569), (311, 18590), (321, 18620), (324, 18632), (330, 18665), (331, 18668), (342, 18731), (356, 18806), (358, 18812), (369, 18866), (370, 18869), (377, 18896), (394, 18971), (396, 18983), (397, 18986), (408, 19052), (415, 19097), (417, 19106), (430, 19166), (431, 19169), (439, 19205), (441, 19223), (448, 19244), (466, 19340), (470, 19358), (472, 19367), (473, 19379), (478, 19415), (482, 19445), (498, 19526), (504, 19580), (520, 19682), (542, 19817), (546, 19841), (553, 19895), (558, 19943), (568, 19985), (570, 20009), (571, 20012),

Gene: EleanorGeorge_18 Start: 17568, Stop: 20105, Start Num: 30

Candidate Starts for EleanorGeorge_18:

(Start: 25 @17556 has 3 MA's), (Start: 30 @17568 has 239 MA's), (36, 17589), (Start: 46 @17610 has 1 MA's), (60, 17649), (93, 17718), (99, 17727), (100, 17730), (105, 17748), (115, 17781), (120, 17796), (131, 17844), (158, 17955), (159, 17958), (168, 17988), (170, 18000), (171, 18003), (184, 18081), (188, 18105), (199, 18171), (206, 18216), (214, 18246), (215, 18252), (217, 18270), (224, 18294), (226, 18303), (236, 18336), (238, 18342), (245, 18372), (260, 18411), (264, 18423), (266, 18432), (270, 18447), (271, 18450), (295, 18561), (296, 18564), (297, 18573), (298, 18579), (301, 18594), (303, 18597), (311, 18618), (321, 18648), (324, 18660), (330, 18693), (347, 18804), (349, 18807), (356, 18834), (358, 18840), (369, 18894), (370, 18897), (392, 18984), (394, 18999), (396, 19011), (397, 19014), (408, 19080), (412, 19104), (415, 19125), (417, 19134), (430, 19194), (431, 19197), (439, 19233), (441, 19251), (446, 19263), (448, 19272), (456, 19299), (466, 19368), (470, 19386), (472, 19395), (473, 19407), (478, 19443), (482, 19473), (488, 19494), (495, 19518), (498, 19554), (504, 19608), (515, 19668), (520, 19710), (533, 19788), (542, 19845), (546, 19869), (553, 19923), (558, 19971), (568, 20013), (570, 20037), (571, 20040),

Gene: Elite2014_25 Start: 21491, Stop: 23887, Start Num: 66

Candidate Starts for Elite2014_25:

(Start: 66 @21491 has 122 MA's), (128, 21668), (132, 21689), (178, 21836), (205, 22010), (214, 22043), (220, 22079), (245, 22172), (266, 22232), (271, 22250), (299, 22382), (313, 22427), (342, 22559), (347, 22604), (365, 22664), (391, 22778), (394, 22799), (402, 22838), (405, 22859), (407, 22874), (437, 23024), (439, 23030), (441, 23048), (457, 23102), (470, 23186), (486, 23279), (527, 23525), (558, 23741), (571, 23825), (577, 23858),

Gene: Elph10_27 Start: 21754, Stop: 24150, Start Num: 66

Candidate Starts for Elph10_27:

(Start: 66 @21754 has 122 MA's), (128, 21931), (132, 21952), (178, 22099), (205, 22273), (214, 22306), (220, 22342), (245, 22435), (266, 22495), (271, 22513), (299, 22645), (313, 22690), (342, 22822), (347, 22867), (365, 22927), (391, 23041), (394, 23062), (402, 23101), (405, 23122), (407, 23137), (437, 23287), (439, 23293), (441, 23311), (457, 23365), (470, 23449), (486, 23542), (527, 23788), (558, 24004), (571, 24088), (577, 24121),

Gene: Emerson_27 Start: 20872, Stop: 23304, Start Num: 57

Candidate Starts for Emerson_27:

(Start: 57 @20872 has 90 MA's), (95, 20971), (166, 21232), (171, 21253), (204, 21460), (212, 21493), (218, 21523), (242, 21595), (247, 21619), (264, 21664), (295, 21817), (302, 21862), (306, 21874), (309, 21883), (324, 21934), (354, 22114), (359, 22129), (373, 22198), (377, 22210), (389, 22273), (397, 22315), (405, 22354), (406, 22360), (407, 22369), (410, 22390), (423, 22450), (450, 22567), (458, 22609), (470, 22681), (472, 22690), (476, 22711), (487, 22783), (492, 22804), (504, 22900), (515, 22963), (539, 23128), (558, 23275),

Gene: Emma_18 Start: 17448, Stop: 19985, Start Num: 30

Candidate Starts for Emma_18:

(Start: 25 @17436 has 3 MA's), (Start: 30 @17448 has 239 MA's), (36, 17469), (Start: 46 @17490 has 1 MA's), (60, 17529), (93, 17598), (99, 17607), (100, 17610), (105, 17628), (115, 17661), (120, 17676), (131, 17724), (158, 17835), (159, 17838), (168, 17868), (171, 17883), (184, 17961), (188, 17985), (199, 18051), (206, 18096), (214, 18126), (215, 18132), (217, 18150), (224, 18174), (226, 18183), (236, 18216), (238, 18222), (245, 18252), (260, 18291), (264, 18303), (266, 18312), (270, 18327), (271, 18330), (295, 18441), (296, 18444), (297, 18453), (298, 18459), (301, 18474), (303, 18477), (311, 18498), (321, 18528), (324, 18540), (330, 18573), (342, 18639), (347, 18684), (349, 18687), (356, 18714), (358, 18720), (369, 18774), (370, 18777), (392, 18864), (394, 18879), (396, 18891), (397, 18894), (408, 18960), (412, 18984), (415, 19005), (417, 19014), (426, 19056), (430, 19074), (431, 19077), (439, 19113), (441, 19131), (446, 19143), (448, 19152), (456, 19179), (466, 19248), (470, 19266), (472, 19275), (473, 19287), (478, 19323), (482, 19353), (488, 19374), (495, 19398), (498, 19434), (504, 19488), (515, 19548), (520, 19590), (542, 19725), (546, 19749), (553, 19803), (558, 19851), (568, 19893), (570, 19917), (571, 19920),

Gene: Emmina_27 Start: 22115, Stop: 24511, Start Num: 66

Candidate Starts for Emmina_27:

(Start: 66 @22115 has 122 MA's), (128, 22292), (132, 22313), (178, 22460), (205, 22634), (214, 22667), (220, 22703), (245, 22796), (266, 22856), (271, 22874), (299, 23006), (313, 23051), (342, 23183), (347, 23228), (365, 23288), (391, 23402), (394, 23423), (402, 23462), (405, 23483), (407, 23498), (437, 23648), (439, 23654), (441, 23672), (457, 23726), (470, 23810), (486, 23903), (527, 24149), (558, 24365), (571, 24449), (577, 24482),

Gene: Empress_19 Start: 18749, Stop: 21286, Start Num: 30

Candidate Starts for Empress_19:

(Start: 25 @18737 has 3 MA's), (Start: 30 @18749 has 239 MA's), (36, 18770), (Start: 46 @18791 has 1 MA's), (60, 18830), (93, 18899), (99, 18908), (100, 18911), (105, 18929), (120, 18977), (131, 19025), (158, 19136), (159, 19139), (171, 19184), (184, 19262), (188, 19286), (199, 19352), (206, 19397), (214, 19427), (215, 19433), (217, 19451), (224, 19475), (226, 19484), (236, 19517), (238, 19523), (245, 19553), (260, 19592), (264, 19604), (266, 19613), (270, 19628), (271, 19631), (295, 19742), (296, 19745), (297, 19754), (298, 19760), (301, 19775), (303, 19778), (311, 19799), (321, 19829), (324, 19841), (330, 19874), (347, 19985), (349, 19988), (356, 20015), (358, 20021), (369, 20075), (370, 20078), (394, 20180), (396, 20192), (397, 20195), (408, 20261), (412, 20285), (415, 20306), (417, 20315), (430, 20375), (431, 20378), (439, 20414), (441, 20432), (448, 20453), (456, 20480), (465, 20537), (466, 20549), (470, 20567), (472, 20576), (473, 20588), (478, 20624), (482, 20654),

(486, 20663), (488, 20675), (498, 20735), (504, 20789), (515, 20849), (520, 20891), (542, 21026), (546, 21050), (553, 21104), (558, 21152), (565, 21173), (570, 21218), (571, 21221),

Gene: Enby_19 Start: 17219, Stop: 19756, Start Num: 30

Candidate Starts for Enby_19:

(Start: 25 @17207 has 3 MA's), (Start: 30 @17219 has 239 MA's), (36, 17240), (Start: 46 @17261 has 1 MA's), (60, 17300), (93, 17369), (99, 17378), (100, 17381), (105, 17399), (115, 17432), (120, 17447), (131, 17495), (157, 17600), (159, 17609), (170, 17651), (171, 17654), (184, 17732), (188, 17756), (199, 17822), (206, 17867), (214, 17897), (215, 17903), (217, 17921), (224, 17945), (226, 17954), (236, 17987), (238, 17993), (245, 18023), (260, 18062), (264, 18074), (266, 18083), (270, 18098), (271, 18101), (295, 18212), (297, 18224), (298, 18230), (301, 18245), (303, 18248), (311, 18269), (321, 18299), (324, 18311), (330, 18344), (342, 18410), (347, 18455), (349, 18458), (356, 18485), (358, 18491), (369, 18545), (370, 18548), (377, 18575), (394, 18650), (396, 18662), (397, 18665), (408, 18731), (412, 18755), (417, 18785), (426, 18827), (430, 18845), (431, 18848), (439, 18884), (441, 18902), (448, 18923), (456, 18950), (466, 19019), (470, 19037), (472, 19046), (473, 19058), (478, 19094), (482, 19124), (486, 19133), (488, 19145), (498, 19205), (504, 19259), (515, 19319), (520, 19361), (533, 19439), (542, 19496), (546, 19520), (553, 19574), (558, 19622), (568, 19664), (570, 19688), (571, 19691),

Gene: EniyanLRS_40 Start: 28045, Stop: 30612, Start Num: 28

Candidate Starts for EniyanLRS_40:

(Start: 28 @28045 has 6 MA's), (48, 28114), (92, 28237), (96, 28243), (98, 28246), (109, 28270), (113, 28291), (152, 28447), (154, 28453), (156, 28459), (164, 28489), (166, 28495), (171, 28516), (173, 28525), (183, 28585), (195, 28663), (215, 28762), (221, 28795), (225, 28810), (226, 28813), (238, 28852), (255, 28903), (260, 28921), (266, 28942), (268, 28948), (279, 29002), (295, 29071), (300, 29095), (307, 29116), (313, 29137), (317, 29146), (324, 29167), (330, 29200), (331, 29203), (339, 29254), (342, 29266), (353, 29332), (359, 29350), (366, 29389), (394, 29506), (403, 29551), (411, 29608), (415, 29632), (417, 29641), (421, 29659), (430, 29704), (437, 29737), (443, 29773), (477, 29947), (478, 29965), (479, 29971), (492, 30028), (541, 30352), (543, 30370), (551, 30421), (559, 30484), (570, 30559),

Gene: Eradicator_18 Start: 17363, Stop: 19915, Start Num: 30

Candidate Starts for Eradicator_18:

(Start: 30 @17363 has 239 MA's), (36, 17384), (70, 17453), (93, 17513), (99, 17522), (100, 17525), (115, 17576), (120, 17591), (131, 17639), (158, 17750), (159, 17753), (169, 17786), (170, 17795), (171, 17798), (184, 17876), (194, 17942), (200, 17975), (210, 18029), (214, 18041), (224, 18089), (226, 18098), (229, 18107), (239, 18140), (254, 18182), (259, 18197), (268, 18227), (269, 18233), (270, 18236), (271, 18239), (277, 18266), (282, 18287), (290, 18320), (297, 18362), (298, 18368), (299, 18371), (301, 18383), (303, 18386), (312, 18413), (321, 18437), (324, 18449), (330, 18482), (334, 18503), (345, 18575), (349, 18596), (375, 18707), (382, 18731), (383, 18734), (388, 18758), (394, 18788), (399, 18812), (405, 18848), (406, 18854), (407, 18863), (422, 18953), (426, 18977), (427, 18992), (437, 19034), (439, 19040), (451, 19085), (467, 19181), (470, 19196), (472, 19205), (476, 19229), (486, 19292), (504, 19418), (540, 19634), (546, 19679), (558, 19781), (574, 19859),

Gene: Estave1_18 Start: 17517, Stop: 20006, Start Num: 30

Candidate Starts for Estave1_18:

(Start: 30 @17517 has 239 MA's), (36, 17538), (Start: 46 @17559 has 1 MA's), (61, 17598), (93, 17667), (99, 17676), (100, 17679), (105, 17697), (115, 17730), (120, 17745), (131, 17793), (148, 17847), (159, 17883), (162, 17892), (169, 17910), (171, 17922), (174, 17934), (180, 17958), (181, 17961), (203, 18105), (206, 18114), (214, 18138), (217, 18162), (224, 18186), (225, 18192), (232, 18213), (238, 18234), (245, 18264), (258, 18294), (264, 18315), (287, 18408), (290, 18423), (291, 18432), (295, 18453), (296, 18456), (321, 18540), (322, 18543), (324, 18552), (329, 18579), (331, 18588), (337, 18627), (340, 18648), (342, 18651), (346, 18687), (351, 18708), (369, 18786), (370,

18789), (385, 18843), (396, 18903), (412, 18996), (415, 19017), (424, 19053), (435, 19107), (437, 19116), (455, 19194), (458, 19212), (463, 19248), (464, 19251), (466, 19269), (467, 19272), (470, 19287), (478, 19344), (480, 19356), (498, 19452), (507, 19539), (518, 19587), (519, 19611), (524, 19638), (527, 19647), (532, 19686), (538, 19725), (542, 19749), (545, 19770), (558, 19866), (565, 19887), (574, 19950), (577, 19977), (578, 19986),

Gene: Eureka_26 Start: 22269, Stop: 24665, Start Num: 66

Candidate Starts for Eureka_26:

(Start: 66 @22269 has 122 MA's), (128, 22446), (132, 22467), (178, 22614), (200, 22755), (205, 22788), (214, 22821), (220, 22857), (245, 22950), (266, 23010), (271, 23028), (290, 23109), (342, 23337), (347, 23382), (394, 23577), (395, 23583), (397, 23592), (405, 23637), (407, 23652), (439, 23808), (441, 23826), (444, 23835), (458, 23889), (470, 23964), (471, 23967), (503, 24177), (505, 24189), (527, 24303), (558, 24519), (571, 24603), (575, 24627), (577, 24636),

Gene: Familton_59 Start: 36102, Stop: 38612, Start Num: 30

Candidate Starts for Familton_59:

(Start: 30 @36102 has 239 MA's), (39, 36135), (63, 36204), (65, 36207), (73, 36231), (81, 36255), (87, 36279), (103, 36312), (155, 36519), (158, 36531), (159, 36534), (191, 36681), (194, 36711), (199, 36735), (206, 36765), (207, 36768), (214, 36795), (217, 36819), (225, 36849), (241, 36906), (246, 36930), (260, 36966), (264, 36978), (270, 37002), (271, 37005), (279, 37047), (301, 37143), (303, 37146), (362, 37401), (394, 37545), (405, 37605), (414, 37677), (415, 37680), (436, 37776), (470, 37950), (473, 37971), (491, 38064), (494, 38076), (504, 38166), (517, 38241), (532, 38286), (564, 38487), (569, 38541), (574, 38556),

Gene: Fancypants_18 Start: 17408, Stop: 19945, Start Num: 30

Candidate Starts for Fancypants_18:

(Start: 25 @17396 has 3 MA's), (Start: 30 @17408 has 239 MA's), (36, 17429), (Start: 46 @17450 has 1 MA's), (60, 17489), (93, 17558), (99, 17567), (100, 17570), (105, 17588), (115, 17621), (120, 17636), (131, 17684), (158, 17795), (159, 17798), (168, 17828), (170, 17840), (171, 17843), (184, 17921), (188, 17945), (199, 18011), (206, 18056), (214, 18086), (215, 18092), (217, 18110), (224, 18134), (226, 18143), (236, 18176), (238, 18182), (245, 18212), (260, 18251), (264, 18263), (266, 18272), (270, 18287), (271, 18290), (295, 18401), (296, 18404), (297, 18413), (298, 18419), (301, 18434), (303, 18437), (311, 18458), (321, 18488), (324, 18500), (330, 18533), (347, 18644), (349, 18647), (356, 18674), (358, 18680), (369, 18734), (370, 18737), (394, 18839), (396, 18851), (397, 18854), (408, 18920), (412, 18944), (415, 18965), (417, 18974), (430, 19034), (431, 19037), (432, 19049), (439, 19073), (441, 19091), (446, 19103), (448, 19112), (456, 19139), (466, 19208), (470, 19226), (472, 19235), (473, 19247), (478, 19283), (482, 19313), (488, 19334), (495, 19358), (498, 19394), (504, 19448), (515, 19508), (520, 19550), (533, 19628), (542, 19685), (546, 19709), (553, 19763), (558, 19811), (568, 19853), (570, 19877), (571, 19880),

Gene: Fastidio_18 Start: 17365, Stop: 19902, Start Num: 30

Candidate Starts for Fastidio_18:

(Start: 25 @17353 has 3 MA's), (Start: 30 @17365 has 239 MA's), (36, 17386), (Start: 46 @17407 has 1 MA's), (60, 17446), (93, 17515), (99, 17524), (100, 17527), (105, 17545), (115, 17578), (120, 17593), (131, 17641), (158, 17752), (159, 17755), (168, 17785), (170, 17797), (171, 17800), (184, 17878), (188, 17902), (199, 17968), (206, 18013), (214, 18043), (215, 18049), (217, 18067), (224, 18091), (226, 18100), (236, 18133), (238, 18139), (245, 18169), (260, 18208), (264, 18220), (266, 18229), (270, 18244), (271, 18247), (295, 18358), (296, 18361), (297, 18370), (298, 18376), (301, 18391), (303, 18394), (311, 18415), (321, 18445), (324, 18457), (330, 18490), (347, 18601), (349, 18604), (356, 18631), (358, 18637), (369, 18691), (370, 18694), (392, 18781), (394, 18796), (396, 18808), (397, 18811), (408, 18877), (411, 18898), (412, 18901), (415, 18922), (426, 18973), (430, 18991), (431, 18994), (439, 19030), (441, 19048), (446, 19060), (448, 19069), (465, 19153), (466, 19165), (470, 19183), (472, 19192), (473, 19204), (478, 19240), (482, 19270), (495, 19315), (498, 19351),

(504, 19405), (520, 19507), (533, 19585), (542, 19642), (546, 19666), (553, 19720), (558, 19768), (568, 19810), (570, 19834), (571, 19837),

Gene: Filch_27 Start: 22042, Stop: 24438, Start Num: 66

Candidate Starts for Filch_27:

(Start: 66 @22042 has 122 MA's), (128, 22219), (132, 22240), (178, 22387), (200, 22528), (205, 22561), (214, 22594), (220, 22630), (245, 22723), (266, 22783), (271, 22801), (299, 22933), (313, 22978), (342, 23110), (347, 23155), (365, 23215), (391, 23329), (394, 23350), (402, 23389), (405, 23410), (407, 23425), (437, 23575), (439, 23581), (441, 23599), (457, 23653), (470, 23737), (486, 23830), (527, 24076), (558, 24292), (571, 24376), (577, 24409),

Gene: Filuzino_18 Start: 17390, Stop: 19927, Start Num: 30

Candidate Starts for Filuzino_18:

(Start: 25 @17378 has 3 MA's), (Start: 30 @17390 has 239 MA's), (36, 17411), (Start: 46 @17432 has 1 MA's), (60, 17471), (93, 17540), (99, 17549), (100, 17552), (105, 17570), (115, 17603), (120, 17618), (131, 17666), (158, 17777), (159, 17780), (168, 17810), (171, 17825), (184, 17903), (188, 17927), (199, 17993), (206, 18038), (214, 18068), (215, 18074), (217, 18092), (224, 18116), (226, 18125), (236, 18158), (238, 18164), (245, 18194), (260, 18233), (264, 18245), (266, 18254), (270, 18269), (271, 18272), (295, 18383), (296, 18386), (297, 18395), (298, 18401), (301, 18416), (303, 18419), (311, 18440), (321, 18470), (324, 18482), (330, 18515), (347, 18626), (349, 18629), (356, 18656), (358, 18662), (369, 18716), (370, 18719), (394, 18821), (396, 18833), (397, 18836), (408, 18902), (412, 18926), (415, 18947), (417, 18956), (430, 19016), (431, 19019), (439, 19055), (441, 19073), (446, 19085), (448, 19094), (456, 19121), (466, 19190), (470, 19208), (472, 19217), (473, 19229), (478, 19265), (482, 19295), (488, 19316), (495, 19340), (498, 19376), (504, 19430), (515, 19490), (520, 19532), (533, 19610), (542, 19667), (546, 19691), (553, 19745), (558, 19793), (568, 19835), (570, 19859), (571, 19862),

Gene: FireRed_26 Start: 22312, Stop: 24708, Start Num: 66

Candidate Starts for FireRed_26:

(Start: 66 @22312 has 122 MA's), (128, 22489), (132, 22510), (178, 22657), (200, 22798), (205, 22831), (214, 22864), (220, 22900), (245, 22993), (266, 23053), (271, 23071), (299, 23203), (313, 23248), (342, 23380), (347, 23425), (365, 23485), (391, 23599), (394, 23620), (402, 23659), (405, 23680), (407, 23695), (437, 23845), (439, 23851), (441, 23869), (457, 23923), (470, 24007), (486, 24100), (527, 24346), (558, 24562), (571, 24646), (577, 24679),

Gene: Firecracker_59 Start: 36292, Stop: 38802, Start Num: 30

Candidate Starts for Firecracker_59:

(Start: 30 @36292 has 239 MA's), (39, 36325), (63, 36394), (65, 36397), (73, 36421), (81, 36445), (87, 36469), (103, 36502), (155, 36709), (158, 36721), (159, 36724), (191, 36871), (194, 36901), (199, 36925), (206, 36955), (207, 36958), (214, 36985), (217, 37009), (225, 37039), (241, 37096), (260, 37156), (264, 37168), (270, 37192), (271, 37195), (279, 37237), (301, 37333), (303, 37336), (347, 37540), (362, 37591), (394, 37735), (405, 37795), (414, 37867), (415, 37870), (436, 37966), (470, 38140), (473, 38161), (491, 38254), (494, 38266), (504, 38356), (517, 38431), (532, 38476), (564, 38677), (569, 38731), (574, 38746),

Gene: Firehouse51_19 Start: 17957, Stop: 20494, Start Num: 30

Candidate Starts for Firehouse51_19:

(Start: 25 @17945 has 3 MA's), (Start: 30 @17957 has 239 MA's), (36, 17978), (Start: 46 @17999 has 1 MA's), (60, 18038), (93, 18107), (99, 18116), (100, 18119), (105, 18137), (115, 18170), (120, 18185), (131, 18233), (158, 18344), (159, 18347), (168, 18377), (170, 18389), (171, 18392), (184, 18470), (188, 18494), (199, 18560), (206, 18605), (214, 18635), (215, 18641), (217, 18659), (224, 18683), (226, 18692), (236, 18725), (238, 18731), (245, 18761), (260, 18800), (264, 18812), (266, 18821), (270, 18836), (271, 18839), (295, 18950), (296, 18953), (297, 18962), (298, 18968), (301, 18983),

(303, 18986), (311, 19007), (321, 19037), (324, 19049), (330, 19082), (347, 19193), (349, 19196), (356, 19223), (358, 19229), (369, 19283), (370, 19286), (394, 19388), (396, 19400), (397, 19403), (408, 19469), (412, 19493), (415, 19514), (417, 19523), (430, 19583), (431, 19586), (439, 19622), (441, 19640), (446, 19652), (448, 19661), (456, 19688), (466, 19757), (470, 19775), (472, 19784), (473, 19796), (478, 19832), (482, 19862), (488, 19883), (495, 19907), (498, 19943), (504, 19997), (515, 20057), (520, 20099), (533, 20177), (542, 20234), (546, 20258), (553, 20312), (558, 20360), (568, 20402), (570, 20426), (571, 20429),

Gene: FlagStaff_22 Start: 20643, Stop: 23102, Start Num: 19

Candidate Starts for FlagStaff_22:

(Start: 19 @20643 has 11 MA's), (38, 20703), (55, 20751), (122, 20946), (188, 21234), (205, 21336), (213, 21360), (267, 21504), (271, 21519), (290, 21600), (305, 21675), (324, 21732), (328, 21756), (335, 21792), (369, 21978), (374, 21999), (385, 22047), (387, 22062), (400, 22128), (407, 22170), (426, 22263), (428, 22281), (441, 22347), (461, 22428), (474, 22494), (498, 22647), (509, 22737), (519, 22806), (527, 22842), (541, 22935), (556, 23040), (560, 23076),

Gene: Flathead_19 Start: 17265, Stop: 19802, Start Num: 30

Candidate Starts for Flathead_19:

(Start: 25 @17253 has 3 MA's), (Start: 30 @17265 has 239 MA's), (36, 17286), (Start: 46 @17307 has 1 MA's), (60, 17346), (93, 17415), (99, 17424), (100, 17427), (105, 17445), (115, 17478), (120, 17493), (131, 17541), (158, 17652), (159, 17655), (168, 17685), (170, 17697), (171, 17700), (184, 17778), (188, 17802), (199, 17868), (206, 17913), (214, 17943), (215, 17949), (217, 17967), (224, 17991), (226, 18000), (236, 18033), (238, 18039), (245, 18069), (260, 18108), (264, 18120), (266, 18129), (270, 18144), (271, 18147), (295, 18258), (296, 18261), (297, 18270), (298, 18276), (301, 18291), (303, 18294), (311, 18315), (321, 18345), (324, 18357), (330, 18390), (342, 18456), (347, 18501), (349, 18504), (356, 18531), (358, 18537), (369, 18591), (370, 18594), (392, 18681), (394, 18696), (396, 18708), (397, 18711), (408, 18777), (412, 18801), (415, 18822), (417, 18831), (430, 18891), (431, 18894), (439, 18930), (441, 18948), (446, 18960), (448, 18969), (456, 18996), (466, 19065), (470, 19083), (472, 19092), (473, 19104), (478, 19140), (482, 19170), (488, 19191), (495, 19215), (498, 19251), (504, 19305), (515, 19365), (520, 19407), (542, 19542), (546, 19566), (553, 19620), (558, 19668), (568, 19710), (570, 19734), (571, 19737),

Gene: Florinda_18 Start: 17419, Stop: 19956, Start Num: 30

Candidate Starts for Florinda_18:

(Start: 30 @17419 has 239 MA's), (36, 17440), (Start: 46 @17461 has 1 MA's), (60, 17500), (93, 17569), (99, 17578), (100, 17581), (105, 17599), (115, 17632), (120, 17647), (131, 17695), (158, 17806), (159, 17809), (168, 17839), (171, 17854), (184, 17932), (188, 17956), (199, 18022), (206, 18067), (214, 18097), (215, 18103), (217, 18121), (224, 18145), (226, 18154), (236, 18187), (238, 18193), (245, 18223), (260, 18262), (266, 18283), (270, 18298), (271, 18301), (296, 18415), (297, 18424), (298, 18430), (303, 18448), (311, 18469), (321, 18499), (324, 18511), (330, 18544), (347, 18655), (349, 18658), (356, 18685), (358, 18691), (369, 18745), (370, 18748), (392, 18835), (394, 18850), (397, 18865), (412, 18955), (415, 18976), (417, 18985), (430, 19045), (431, 19048), (437, 19078), (441, 19102), (448, 19123), (466, 19219), (470, 19237), (472, 19246), (473, 19258), (478, 19294), (482, 19324), (488, 19345), (495, 19369), (498, 19405), (504, 19459), (515, 19519), (520, 19561), (533, 19639), (542, 19696), (546, 19720), (553, 19774), (558, 19822), (568, 19864), (570, 19888), (571, 19891),

Gene: Flypotenuse_24 Start: 21900, Stop: 24296, Start Num: 66

Candidate Starts for Flypotenuse_24:

(Start: 66 @21900 has 122 MA's), (128, 22077), (132, 22098), (178, 22245), (200, 22386), (205, 22419), (214, 22452), (220, 22488), (245, 22581), (266, 22641), (271, 22659), (299, 22791), (342, 22968), (347, 23013), (391, 23187), (394, 23208), (402, 23247), (405, 23268), (407, 23283), (439, 23439), (441, 23457), (457, 23511), (470, 23595), (522, 23919), (558, 24150), (571, 24234), (577,

24267),

Gene: FoulBall_55 Start: 36096, Stop: 38606, Start Num: 30

Candidate Starts for FoulBall_55:

(Start: 30 @36096 has 239 MA's), (39, 36129), (63, 36198), (65, 36201), (73, 36225), (81, 36249), (87, 36273), (103, 36306), (155, 36513), (158, 36525), (159, 36528), (191, 36675), (194, 36705), (199, 36729), (206, 36759), (207, 36762), (214, 36789), (217, 36813), (225, 36843), (241, 36900), (246, 36924), (260, 36960), (264, 36972), (270, 36996), (271, 36999), (279, 37041), (301, 37137), (303, 37140), (362, 37395), (394, 37539), (405, 37599), (414, 37671), (415, 37674), (436, 37770), (470, 37944), (473, 37965), (491, 38058), (494, 38070), (504, 38160), (517, 38235), (532, 38280), (564, 38481), (569, 38535), (574, 38550),

Gene: Frankie_19 Start: 17503, Stop: 20040, Start Num: 30

Candidate Starts for Frankie_19:

(Start: 30 @17503 has 239 MA's), (36, 17524), (Start: 46 @17545 has 1 MA's), (60, 17584), (93, 17653), (99, 17662), (100, 17665), (105, 17683), (115, 17716), (120, 17731), (131, 17779), (158, 17890), (159, 17893), (168, 17923), (171, 17938), (184, 18016), (188, 18040), (199, 18106), (206, 18151), (214, 18181), (215, 18187), (217, 18205), (224, 18229), (226, 18238), (236, 18271), (238, 18277), (245, 18307), (260, 18346), (266, 18367), (270, 18382), (272, 18388), (303, 18532), (311, 18553), (321, 18583), (324, 18595), (330, 18628), (340, 18691), (342, 18694), (356, 18769), (358, 18775), (369, 18829), (370, 18832), (377, 18859), (380, 18868), (394, 18934), (396, 18946), (397, 18949), (408, 19015), (411, 19036), (412, 19039), (415, 19060), (426, 19111), (430, 19129), (431, 19132), (437, 19162), (441, 19186), (448, 19207), (457, 19240), (466, 19303), (470, 19321), (472, 19330), (473, 19342), (482, 19408), (486, 19417), (488, 19429), (515, 19603), (520, 19645), (533, 19723), (542, 19780), (546, 19804), (553, 19858), (558, 19906), (570, 19972), (571, 19975),

Gene: FreddyB_18 Start: 17407, Stop: 19959, Start Num: 30

Candidate Starts for FreddyB_18:

(Start: 30 @17407 has 239 MA's), (60, 17488), (93, 17557), (99, 17566), (100, 17569), (105, 17587), (120, 17635), (130, 17680), (158, 17794), (159, 17797), (163, 17809), (169, 17830), (170, 17839), (171, 17842), (181, 17890), (184, 17920), (194, 17986), (200, 18019), (206, 18055), (211, 18079), (225, 18139), (226, 18142), (232, 18160), (252, 18223), (254, 18226), (260, 18244), (266, 18265), (271, 18283), (277, 18310), (282, 18331), (290, 18364), (297, 18406), (298, 18412), (299, 18415), (303, 18430), (312, 18457), (321, 18481), (324, 18493), (330, 18526), (345, 18619), (369, 18727), (375, 18751), (382, 18775), (383, 18778), (388, 18802), (394, 18832), (399, 18856), (405, 18892), (406, 18898), (407, 18907), (411, 18934), (422, 18997), (426, 19021), (427, 19036), (437, 19078), (451, 19129), (467, 19225), (470, 19240), (472, 19249), (476, 19273), (486, 19336), (495, 19372), (540, 19678), (546, 19723), (558, 19825),

Gene: Fruitloop_18 Start: 17429, Stop: 19966, Start Num: 30

Candidate Starts for Fruitloop_18:

(Start: 25 @17417 has 3 MA's), (Start: 30 @17429 has 239 MA's), (36, 17450), (Start: 46 @17471 has 1 MA's), (60, 17510), (93, 17579), (99, 17588), (100, 17591), (105, 17609), (115, 17642), (120, 17657), (131, 17705), (158, 17816), (159, 17819), (168, 17849), (170, 17861), (171, 17864), (184, 17942), (188, 17966), (199, 18032), (206, 18077), (214, 18107), (215, 18113), (217, 18131), (224, 18155), (226, 18164), (236, 18197), (238, 18203), (245, 18233), (260, 18272), (264, 18284), (266, 18293), (270, 18308), (271, 18311), (295, 18422), (296, 18425), (297, 18434), (298, 18440), (301, 18455), (303, 18458), (311, 18479), (321, 18509), (324, 18521), (330, 18554), (347, 18665), (349, 18668), (356, 18695), (358, 18701), (369, 18755), (370, 18758), (392, 18845), (394, 18860), (396, 18872), (397, 18875), (408, 18941), (412, 18965), (415, 18986), (417, 18995), (430, 19055), (431, 19058), (439, 19094), (441, 19112), (446, 19124), (448, 19133), (456, 19160), (466, 19229), (470, 19247), (472, 19256), (473, 19268), (478, 19304), (482, 19334), (488, 19355), (495, 19379), (498, 19415), (504, 19469), (515, 19529), (520, 19571), (533, 19649), (542, 19706), (546, 19730), (553, 19784),

(558, 19832), (568, 19874), (570, 19898), (571, 19901),

Gene: Funsized_34 Start: 32646, Stop: 35123, Start Num: 19

Candidate Starts for Funsized_34:

(Start: 19 @32646 has 11 MA's), (21, 32655), (50, 32742), (52, 32748), (64, 32778), (Start: 77 @32817 has 1 MA's), (78, 32820), (89, 32847), (91, 32850), (100, 32865), (106, 32883), (129, 32958), (143, 33021), (160, 33078), (168, 33105), (171, 33120), (172, 33123), (188, 33222), (213, 33354), (216, 33360), (226, 33384), (240, 33420), (250, 33459), (267, 33504), (271, 33519), (280, 33564), (290, 33600), (294, 33621), (316, 33708), (338, 33810), (354, 33909), (363, 33939), (369, 33975), (372, 33990), (374, 33996), (387, 34065), (389, 34071), (399, 34122), (426, 34263), (430, 34287), (438, 34323), (454, 34389), (461, 34434), (472, 34491), (474, 34506), (476, 34518), (492, 34611), (494, 34617), (495, 34620), (503, 34710), (505, 34722), (526, 34848), (541, 34953), (562, 35106),

Gene: GUmble_18 Start: 17402, Stop: 19939, Start Num: 30

Candidate Starts for GUmble_18:

(Start: 30 @17402 has 239 MA's), (36, 17423), (Start: 46 @17444 has 1 MA's), (60, 17483), (93, 17552), (99, 17561), (100, 17564), (105, 17582), (115, 17615), (120, 17630), (157, 17783), (159, 17792), (171, 17837), (187, 17936), (188, 17939), (199, 18005), (214, 18080), (215, 18086), (224, 18128), (225, 18134), (226, 18137), (236, 18170), (238, 18176), (245, 18206), (255, 18227), (264, 18257), (266, 18266), (270, 18281), (271, 18284), (295, 18395), (296, 18398), (297, 18407), (298, 18413), (301, 18428), (303, 18431), (311, 18452), (321, 18482), (324, 18494), (330, 18527), (347, 18638), (349, 18641), (356, 18668), (358, 18674), (369, 18728), (370, 18731), (392, 18818), (394, 18833), (396, 18845), (397, 18848), (408, 18914), (412, 18938), (415, 18959), (417, 18968), (426, 19010), (430, 19028), (431, 19031), (437, 19061), (441, 19085), (446, 19097), (448, 19106), (466, 19202), (470, 19220), (472, 19229), (473, 19241), (478, 19277), (482, 19307), (486, 19316), (488, 19328), (498, 19388), (504, 19442), (515, 19502), (520, 19544), (542, 19679), (546, 19703), (553, 19757), (558, 19805), (568, 19847), (570, 19871), (571, 19874),

Gene: Gage_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for Gage_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (200, 22760), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (486, 24062), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: Gaia_21 Start: 19931, Stop: 22501, Start Num: 22

Candidate Starts for Gaia_21:

(Start: 22 @19931 has 2 MA's), (53, 20021), (83, 20090), (86, 20099), (88, 20102), (110, 20156), (113, 20168), (126, 20216), (136, 20261), (153, 20333), (159, 20354), (165, 20375), (170, 20396), (171, 20399), (194, 20543), (200, 20576), (215, 20633), (226, 20684), (232, 20702), (264, 20798), (266, 20807), (268, 20813), (270, 20822), (271, 20825), (277, 20852), (282, 20873), (290, 20906), (291, 20915), (295, 20936), (297, 20948), (301, 20969), (321, 21023), (324, 21035), (330, 21068), (343, 21143), (346, 21170), (375, 21293), (383, 21320), (388, 21344), (394, 21374), (399, 21398), (406, 21440), (407, 21449), (427, 21578), (433, 21605), (446, 21656), (467, 21767), (470, 21782), (516, 22073), (542, 22241), (546, 22265), (568, 22409), (571, 22436), (573, 22442), (574, 22445),

Gene: Galactic_18 Start: 17394, Stop: 19931, Start Num: 30

Candidate Starts for Galactic_18:

(Start: 25 @17382 has 3 MA's), (Start: 30 @17394 has 239 MA's), (36, 17415), (Start: 46 @17436 has 1 MA's), (60, 17475), (93, 17544), (99, 17553), (100, 17556), (105, 17574), (115, 17607), (120, 17622), (131, 17670), (158, 17781), (159, 17784), (168, 17814), (171, 17829), (184, 17907), (188, 17931), (199, 17997), (206, 18042), (214, 18072), (215, 18078), (217, 18096), (224, 18120), (226, 18129),

(236, 18162), (238, 18168), (245, 18198), (260, 18237), (264, 18249), (266, 18258), (270, 18273), (271, 18276), (295, 18387), (296, 18390), (297, 18399), (298, 18405), (301, 18420), (303, 18423), (311, 18444), (321, 18474), (324, 18486), (330, 18519), (347, 18630), (349, 18633), (356, 18660), (358, 18666), (369, 18720), (370, 18723), (394, 18825), (396, 18837), (397, 18840), (408, 18906), (412, 18930), (415, 18951), (417, 18960), (430, 19020), (431, 19023), (439, 19059), (441, 19077), (446, 19089), (448, 19098), (456, 19125), (466, 19194), (470, 19212), (472, 19221), (473, 19233), (478, 19269), (482, 19299), (488, 19320), (495, 19344), (498, 19380), (504, 19434), (515, 19494), (520, 19536), (533, 19614), (542, 19671), (546, 19695), (553, 19749), (558, 19797), (568, 19839), (570, 19863), (571, 19866),

Gene: Gandolph_18 Start: 17413, Stop: 19965, Start Num: 30

Candidate Starts for Gandolph_18:

(Start: 30 @17413 has 239 MA's), (60, 17494), (93, 17563), (99, 17572), (100, 17575), (105, 17593), (120, 17641), (130, 17686), (158, 17800), (159, 17803), (163, 17815), (169, 17836), (170, 17845), (171, 17848), (181, 17896), (184, 17926), (194, 17992), (200, 18025), (206, 18061), (211, 18085), (225, 18145), (226, 18148), (232, 18166), (252, 18229), (254, 18232), (260, 18250), (266, 18271), (271, 18289), (277, 18316), (282, 18337), (290, 18370), (297, 18412), (298, 18418), (299, 18421), (303, 18436), (312, 18463), (313, 18466), (321, 18487), (324, 18499), (330, 18532), (345, 18625), (369, 18733), (375, 18757), (377, 18763), (382, 18781), (383, 18784), (388, 18808), (394, 18838), (399, 18862), (405, 18898), (406, 18904), (407, 18913), (411, 18940), (422, 19003), (426, 19027), (427, 19042), (437, 19084), (451, 19135), (467, 19231), (470, 19246), (472, 19255), (476, 19279), (486, 19342), (495, 19378), (540, 19684), (546, 19729), (558, 19831),

Gene: Ganymede_28 Start: 20892, Stop: 23324, Start Num: 57

Candidate Starts for Ganymede_28:

(Start: 57 @20892 has 90 MA's), (95, 20991), (166, 21252), (171, 21273), (204, 21480), (212, 21513), (218, 21543), (242, 21615), (247, 21639), (264, 21684), (295, 21837), (302, 21882), (306, 21894), (309, 21903), (324, 21954), (354, 22134), (359, 22149), (373, 22218), (377, 22230), (389, 22293), (397, 22335), (405, 22374), (406, 22380), (407, 22389), (410, 22410), (423, 22470), (450, 22587), (458, 22629), (470, 22701), (472, 22710), (476, 22731), (487, 22803), (492, 22824), (504, 22920), (515, 22983), (527, 23067), (533, 23109), (539, 23148),

Gene: Gator_24 Start: 21899, Stop: 24295, Start Num: 66

Candidate Starts for Gator_24:

(Start: 66 @21899 has 122 MA's), (128, 22076), (132, 22097), (178, 22244), (200, 22385), (205, 22418), (214, 22451), (220, 22487), (245, 22580), (266, 22640), (271, 22658), (290, 22739), (342, 22967), (347, 23012), (394, 23207), (395, 23213), (397, 23222), (405, 23267), (407, 23282), (439, 23438), (441, 23456), (444, 23465), (458, 23519), (470, 23594), (471, 23597), (503, 23807), (505, 23819), (527, 23933), (558, 24149), (571, 24233), (575, 24257), (577, 24266),

Gene: Gemini_29 Start: 22791, Stop: 25187, Start Num: 66

Candidate Starts for Gemini_29:

(Start: 66 @22791 has 122 MA's), (128, 22968), (132, 22989), (178, 23136), (200, 23277), (205, 23310), (214, 23343), (220, 23379), (245, 23472), (266, 23532), (271, 23550), (299, 23682), (313, 23727), (342, 23859), (347, 23904), (365, 23964), (391, 24078), (394, 24099), (402, 24138), (405, 24159), (407, 24174), (437, 24324), (439, 24330), (441, 24348), (457, 24402), (470, 24486), (486, 24579), (527, 24825), (558, 25041), (571, 25125), (577, 25158),

Gene: Geraldini_27 Start: 20888, Stop: 23320, Start Num: 57

Candidate Starts for Geraldini_27:

(Start: 57 @20888 has 90 MA's), (95, 20987), (132, 21128), (166, 21248), (171, 21269), (204, 21476), (212, 21509), (218, 21539), (242, 21611), (247, 21635), (295, 21833), (302, 21878), (306, 21890), (309, 21899), (324, 21950), (354, 22130), (359, 22145), (373, 22214), (377, 22226), (389, 22289),

(397, 22331), (405, 22370), (406, 22376), (407, 22385), (410, 22406), (423, 22466), (450, 22583), (458, 22625), (470, 22697), (472, 22706), (476, 22727), (487, 22799), (492, 22820), (504, 22916), (515, 22979), (527, 23063), (533, 23105), (539, 23144),

Gene: Geralt_18 Start: 17396, Stop: 19933, Start Num: 30

Candidate Starts for Geralt_18:

(Start: 30 @17396 has 239 MA's), (36, 17417), (Start: 46 @17438 has 1 MA's), (60, 17477), (93, 17546), (99, 17555), (100, 17558), (105, 17576), (120, 17624), (131, 17672), (158, 17783), (159, 17786), (171, 17831), (184, 17909), (188, 17933), (199, 17999), (214, 18074), (215, 18080), (217, 18098), (224, 18122), (226, 18131), (236, 18164), (238, 18170), (245, 18200), (255, 18221), (264, 18251), (266, 18260), (291, 18368), (294, 18380), (295, 18389), (296, 18392), (298, 18407), (301, 18422), (303, 18425), (311, 18446), (324, 18488), (330, 18521), (347, 18632), (349, 18635), (356, 18662), (358, 18668), (369, 18722), (370, 18725), (377, 18752), (394, 18827), (396, 18839), (397, 18842), (408, 18908), (411, 18929), (412, 18932), (415, 18953), (417, 18962), (426, 19004), (430, 19022), (431, 19025), (437, 19055), (441, 19079), (446, 19091), (448, 19100), (466, 19196), (470, 19214), (472, 19223), (473, 19235), (478, 19271), (482, 19301), (486, 19310), (488, 19322), (498, 19382), (504, 19436), (515, 19496), (520, 19538), (542, 19673), (546, 19697), (553, 19751), (558, 19799), (568, 19841), (570, 19865), (571, 19868),

Gene: GigiOuiOui_18 Start: 17527, Stop: 20064, Start Num: 30

Candidate Starts for GigiOuiOui_18:

(Start: 30 @17527 has 239 MA's), (36, 17548), (Start: 46 @17569 has 1 MA's), (60, 17608), (93, 17677), (99, 17686), (100, 17689), (105, 17707), (120, 17755), (157, 17908), (159, 17917), (171, 17962), (187, 18061), (188, 18064), (199, 18130), (214, 18205), (215, 18211), (217, 18229), (224, 18253), (225, 18259), (226, 18262), (236, 18295), (238, 18301), (245, 18331), (255, 18352), (264, 18382), (266, 18391), (270, 18406), (271, 18409), (295, 18520), (296, 18523), (297, 18532), (298, 18538), (301, 18553), (303, 18556), (311, 18577), (321, 18607), (324, 18619), (330, 18652), (347, 18763), (349, 18766), (356, 18793), (358, 18799), (369, 18853), (370, 18856), (394, 18958), (396, 18970), (397, 18973), (408, 19039), (412, 19063), (415, 19084), (417, 19093), (430, 19153), (431, 19156), (439, 19192), (441, 19210), (446, 19222), (448, 19231), (456, 19258), (465, 19315), (466, 19327), (470, 19345), (472, 19354), (473, 19366), (478, 19402), (482, 19432), (486, 19441), (488, 19453), (498, 19513), (504, 19567), (515, 19627), (520, 19669), (542, 19804), (546, 19828), (553, 19882), (558, 19930), (568, 19972), (570, 19996), (571, 19999),

Gene: Girafales_19 Start: 17227, Stop: 19764, Start Num: 30

Candidate Starts for Girafales_19:

(Start: 30 @17227 has 239 MA's), (36, 17248), (Start: 46 @17269 has 1 MA's), (60, 17308), (93, 17377), (99, 17386), (100, 17389), (105, 17407), (115, 17440), (120, 17455), (131, 17503), (158, 17614), (159, 17617), (168, 17647), (171, 17662), (184, 17740), (188, 17764), (199, 17830), (206, 17875), (214, 17905), (215, 17911), (217, 17929), (224, 17953), (226, 17962), (236, 17995), (238, 18001), (245, 18031), (260, 18070), (266, 18091), (270, 18106), (271, 18109), (296, 18223), (297, 18232), (298, 18238), (303, 18256), (311, 18277), (321, 18307), (324, 18319), (330, 18352), (347, 18463), (349, 18466), (356, 18493), (358, 18499), (369, 18553), (370, 18556), (392, 18643), (394, 18658), (397, 18673), (412, 18763), (415, 18784), (417, 18793), (430, 18853), (431, 18856), (437, 18886), (441, 18910), (448, 18931), (466, 19027), (470, 19045), (472, 19054), (473, 19066), (478, 19102), (482, 19132), (488, 19153), (495, 19177), (498, 19213), (504, 19267), (515, 19327), (520, 19369), (533, 19447), (542, 19504), (546, 19528), (553, 19582), (558, 19630), (568, 19672), (570, 19696), (571, 19699),

Gene: Girr_18 Start: 17371, Stop: 19908, Start Num: 30

Candidate Starts for Girr_18:

(Start: 30 @17371 has 239 MA's), (36, 17392), (Start: 46 @17413 has 1 MA's), (60, 17452), (93, 17521), (99, 17530), (100, 17533), (105, 17551), (115, 17584), (120, 17599), (157, 17752), (159,

17761), (171, 17806), (187, 17905), (188, 17908), (199, 17974), (214, 18049), (215, 18055), (224, 18097), (225, 18103), (226, 18106), (236, 18139), (238, 18145), (245, 18175), (255, 18196), (264, 18226), (266, 18235), (270, 18250), (271, 18253), (295, 18364), (296, 18367), (297, 18376), (298, 18382), (301, 18397), (303, 18400), (311, 18421), (321, 18451), (324, 18463), (330, 18496), (347, 18607), (349, 18610), (356, 18637), (358, 18643), (369, 18697), (370, 18700), (392, 18787), (394, 18802), (396, 18814), (397, 18817), (408, 18883), (412, 18907), (415, 18928), (417, 18937), (426, 18979), (430, 18997), (431, 19000), (437, 19030), (441, 19054), (446, 19066), (448, 19075), (466, 19171), (470, 19189), (472, 19198), (473, 19210), (478, 19246), (482, 19276), (486, 19285), (488, 19297), (498, 19357), (504, 19411), (515, 19471), (520, 19513), (542, 19648), (546, 19672), (553, 19726), (558, 19774), (568, 19816), (570, 19840), (571, 19843),

Gene: Glexan_24 Start: 21900, Stop: 24296, Start Num: 66

Candidate Starts for Glexan_24:

(Start: 66 @21900 has 122 MA's), (128, 22077), (132, 22098), (178, 22245), (200, 22386), (205, 22419), (214, 22452), (220, 22488), (245, 22581), (266, 22641), (271, 22659), (299, 22791), (342, 22968), (347, 23013), (391, 23187), (394, 23208), (402, 23247), (405, 23268), (407, 23283), (439, 23439), (441, 23457), (457, 23511), (470, 23595), (522, 23919), (558, 24150), (571, 24234), (577, 24267),

Gene: Goku_26 Start: 21998, Stop: 24394, Start Num: 66

Candidate Starts for Goku_26:

(Start: 66 @21998 has 122 MA's), (128, 22175), (132, 22196), (178, 22343), (200, 22484), (205, 22517), (214, 22550), (220, 22586), (245, 22679), (266, 22739), (271, 22757), (290, 22838), (342, 23066), (347, 23111), (394, 23306), (395, 23312), (397, 23321), (405, 23366), (407, 23381), (439, 23537), (441, 23555), (444, 23564), (458, 23618), (470, 23693), (471, 23696), (503, 23906), (505, 23918), (527, 24032), (558, 24248), (571, 24332), (575, 24356), (577, 24365),

Gene: GoldenSpark_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for GoldenSpark_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: Goldilocks_27 Start: 21694, Stop: 24090, Start Num: 66

Candidate Starts for Goldilocks_27:

(Start: 66 @21694 has 122 MA's), (128, 21871), (132, 21892), (178, 22039), (200, 22180), (205, 22213), (214, 22246), (220, 22282), (245, 22375), (266, 22435), (271, 22453), (299, 22585), (313, 22630), (342, 22762), (347, 22807), (365, 22867), (391, 22981), (394, 23002), (402, 23041), (405, 23062), (407, 23077), (437, 23227), (439, 23233), (441, 23251), (457, 23305), (470, 23389), (486, 23482), (527, 23728), (558, 23944), (571, 24028), (577, 24061),

Gene: Gonephishing_34 Start: 28088, Stop: 30448, Start Num: 105

Candidate Starts for Gonephishing_34:

(Start: 30 @27893 has 239 MA's), (105, 28088), (115, 28124), (120, 28139), (131, 28187), (158, 28298), (159, 28301), (168, 28331), (171, 28346), (184, 28424), (188, 28448), (199, 28514), (206, 28559), (214, 28589), (215, 28595), (217, 28613), (224, 28637), (226, 28646), (236, 28679), (238, 28685), (245, 28715), (260, 28754), (264, 28766), (266, 28775), (270, 28790), (271, 28793), (295, 28904), (296, 28907), (297, 28916), (298, 28922), (301, 28937), (303, 28940), (321, 28991), (324, 29003), (330, 29036), (342, 29102), (347, 29147), (349, 29150), (356, 29177), (358, 29183), (369, 29237), (370, 29240), (392, 29327), (394, 29342), (396, 29354), (397, 29357), (408, 29423), (415, 29468), (417, 29477), (430, 29537), (431, 29540), (439, 29576), (441, 29594), (446, 29606), (448,

29615), (456, 29642), (466, 29711), (470, 29729), (472, 29738), (473, 29750), (478, 29786), (482, 29816), (488, 29837), (495, 29861), (498, 29897), (504, 29951), (515, 30011), (520, 30053), (542, 30188), (546, 30212), (553, 30266), (558, 30314), (568, 30356), (570, 30380), (571, 30383),

Gene: GooberAzure_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for GooberAzure_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (200, 22760), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (486, 24062), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: Gorge_18 Start: 17383, Stop: 19926, Start Num: 30

Candidate Starts for Gorge_18:

(Start: 30 @17383 has 239 MA's), (36, 17404), (Start: 46 @17425 has 1 MA's), (60, 17464), (93, 17533), (99, 17542), (100, 17545), (105, 17563), (120, 17611), (131, 17659), (158, 17770), (159, 17773), (169, 17806), (171, 17818), (184, 17896), (194, 17962), (200, 17995), (210, 18049), (214, 18061), (225, 18115), (226, 18118), (229, 18127), (239, 18160), (252, 18199), (254, 18202), (259, 18217), (260, 18220), (268, 18247), (269, 18253), (270, 18256), (271, 18259), (277, 18286), (280, 18304), (282, 18307), (297, 18382), (301, 18403), (303, 18406), (312, 18433), (321, 18457), (330, 18502), (331, 18505), (339, 18556), (349, 18619), (351, 18628), (357, 18652), (383, 18757), (384, 18760), (394, 18811), (395, 18817), (396, 18823), (397, 18826), (405, 18871), (407, 18886), (411, 18913), (415, 18937), (426, 18988), (430, 19006), (431, 19009), (432, 19021), (446, 19075), (470, 19198), (479, 19261), (493, 19324), (500, 19399), (534, 19600), (567, 19828), (573, 19867), (574, 19870),

Gene: Guanica15_27 Start: 20098, Stop: 22530, Start Num: 57

Candidate Starts for Guanica15_27:

(Start: 57 @20098 has 90 MA's), (76, 20146), (Start: 77 @20149 has 1 MA's), (80, 20158), (166, 20458), (171, 20479), (212, 20719), (242, 20821), (247, 20845), (249, 20851), (264, 20890), (295, 21043), (306, 21100), (309, 21109), (324, 21160), (356, 21346), (359, 21355), (360, 21361), (369, 21406), (373, 21424), (389, 21499), (397, 21541), (405, 21580), (406, 21586), (407, 21595), (410, 21616), (420, 21664), (430, 21709), (432, 21724), (450, 21793), (458, 21835), (472, 21916), (487, 22009), (492, 22030), (504, 22126), (539, 22354), (547, 22408), (550, 22429), (558, 22501), (563, 22519),

Gene: Guppsters_19 Start: 17584, Stop: 20109, Start Num: 30

Candidate Starts for Guppsters_19:

(Start: 30 @17584 has 239 MA's), (70, 17674), (93, 17734), (99, 17743), (100, 17746), (105, 17764), (120, 17812), (130, 17857), (158, 17971), (159, 17974), (165, 17995), (169, 18007), (171, 18019), (184, 18097), (194, 18163), (200, 18196), (210, 18250), (214, 18262), (225, 18316), (226, 18319), (229, 18328), (239, 18361), (254, 18403), (259, 18418), (268, 18448), (269, 18454), (270, 18457), (271, 18460), (277, 18487), (280, 18505), (282, 18508), (297, 18583), (301, 18604), (303, 18607), (312, 18634), (321, 18658), (324, 18670), (339, 18757), (349, 18820), (351, 18829), (357, 18853), (383, 18958), (384, 18961), (394, 19012), (395, 19018), (396, 19024), (397, 19027), (405, 19072), (407, 19087), (411, 19114), (415, 19138), (419, 19147), (430, 19207), (431, 19210), (432, 19222), (441, 19264), (446, 19276), (470, 19399), (479, 19462), (493, 19525), (500, 19600), (534, 19801), (558, 19972), (567, 20011), (573, 20050), (574, 20053),

Gene: Hades_18 Start: 17406, Stop: 19958, Start Num: 30

Candidate Starts for Hades_18:

(Start: 30 @17406 has 239 MA's), (70, 17496), (93, 17556), (99, 17565), (100, 17568), (105, 17586), (120, 17634), (130, 17679), (158, 17793), (159, 17796), (163, 17808), (169, 17829), (170, 17838),

(171, 17841), (184, 17919), (194, 17985), (200, 18018), (206, 18054), (211, 18078), (225, 18138), (226, 18141), (232, 18159), (252, 18222), (254, 18225), (260, 18243), (266, 18264), (271, 18282), (277, 18309), (282, 18330), (290, 18363), (297, 18405), (298, 18411), (299, 18414), (303, 18429), (312, 18456), (313, 18459), (321, 18480), (324, 18492), (330, 18525), (345, 18618), (369, 18726), (375, 18750), (377, 18756), (382, 18774), (383, 18777), (388, 18801), (394, 18831), (399, 18855), (405, 18891), (406, 18897), (407, 18906), (411, 18933), (422, 18996), (426, 19020), (427, 19035), (437, 19077), (451, 19128), (467, 19224), (470, 19239), (472, 19248), (476, 19272), (486, 19335), (495, 19371), (540, 19677), (546, 19722), (558, 19824),

Gene: Hamulus_18 Start: 17403, Stop: 19940, Start Num: 30

Candidate Starts for Hamulus_18:

(Start: 25 @17391 has 3 MA's), (Start: 30 @17403 has 239 MA's), (36, 17424), (Start: 46 @17445 has 1 MA's), (60, 17484), (93, 17553), (99, 17562), (100, 17565), (105, 17583), (115, 17616), (120, 17631), (131, 17679), (157, 17784), (158, 17790), (159, 17793), (168, 17823), (170, 17835), (171, 17838), (184, 17916), (188, 17940), (199, 18006), (214, 18081), (215, 18087), (217, 18105), (224, 18129), (226, 18138), (236, 18171), (238, 18177), (245, 18207), (260, 18246), (264, 18258), (266, 18267), (270, 18282), (271, 18285), (295, 18396), (296, 18399), (297, 18408), (298, 18414), (301, 18429), (303, 18432), (311, 18453), (321, 18483), (324, 18495), (330, 18528), (342, 18594), (347, 18639), (349, 18642), (356, 18669), (358, 18675), (369, 18729), (370, 18732), (392, 18819), (394, 18834), (396, 18846), (397, 18849), (408, 18915), (415, 18960), (417, 18969), (430, 19029), (431, 19032), (439, 19068), (441, 19086), (446, 19098), (448, 19107), (456, 19134), (466, 19203), (470, 19221), (472, 19230), (473, 19242), (478, 19278), (482, 19308), (488, 19329), (495, 19353), (498, 19389), (504, 19443), (515, 19503), (520, 19545), (542, 19680), (546, 19704), (553, 19758), (558, 19806), (568, 19848), (570, 19872), (571, 19875),

Gene: HanKaySha_27 Start: 22026, Stop: 24422, Start Num: 66

Candidate Starts for HanKaySha_27:

(Start: 66 @22026 has 122 MA's), (128, 22203), (132, 22224), (178, 22371), (205, 22545), (214, 22578), (220, 22614), (245, 22707), (266, 22767), (271, 22785), (299, 22917), (313, 22962), (342, 23094), (347, 23139), (365, 23199), (391, 23313), (394, 23334), (402, 23373), (405, 23394), (407, 23409), (437, 23559), (439, 23565), (441, 23583), (457, 23637), (470, 23721), (486, 23814), (527, 24060), (558, 24276), (571, 24360), (577, 24393),

Gene: Hannaconda_33 Start: 26378, Stop: 28873, Start Num: 30

Candidate Starts for Hannaconda_33:

(Start: 30 @26378 has 239 MA's), (105, 26573), (115, 26609), (120, 26624), (142, 26711), (148, 26726), (159, 26762), (161, 26768), (171, 26801), (174, 26813), (203, 26984), (206, 26993), (214, 27017), (225, 27071), (236, 27107), (238, 27113), (245, 27143), (258, 27173), (264, 27194), (266, 27203), (270, 27218), (287, 27287), (303, 27368), (307, 27377), (313, 27398), (314, 27401), (324, 27431), (331, 27467), (339, 27518), (340, 27527), (342, 27530), (345, 27557), (346, 27566), (351, 27587), (369, 27665), (370, 27668), (388, 27740), (395, 27776), (396, 27782), (404, 27824), (405, 27830), (411, 27872), (412, 27875), (415, 27896), (416, 27902), (417, 27905), (424, 27935), (455, 28076), (457, 28085), (458, 28094), (462, 28127), (466, 28151), (467, 28154), (470, 28169), (473, 28190), (478, 28226), (479, 28232), (480, 28238), (484, 28259), (491, 28286), (507, 28421), (519, 28493), (521, 28499), (527, 28517), (542, 28616), (558, 28733), (572, 28814), (574, 28817), (577, 28844),

Gene: Harella_25 Start: 22416, Stop: 24812, Start Num: 66

Candidate Starts for Harella_25:

(Start: 66 @22416 has 122 MA's), (128, 22593), (132, 22614), (178, 22761), (200, 22902), (205, 22935), (214, 22968), (220, 23004), (245, 23097), (266, 23157), (271, 23175), (299, 23307), (342, 23484), (347, 23529), (391, 23703), (394, 23724), (402, 23763), (405, 23784), (407, 23799), (439, 23955), (441, 23973), (457, 24027), (470, 24111), (522, 24435), (558, 24666), (571, 24750), (577,

24783),

Gene: Harley_18 Start: 17393, Stop: 19930, Start Num: 30

Candidate Starts for Harley_18:

(Start: 30 @17393 has 239 MA's), (36, 17414), (Start: 46 @17435 has 1 MA's), (60, 17474), (93, 17543), (99, 17552), (100, 17555), (105, 17573), (120, 17621), (158, 17780), (159, 17783), (171, 17828), (187, 17927), (188, 17930), (199, 17996), (214, 18071), (215, 18077), (217, 18095), (224, 18119), (225, 18125), (226, 18128), (236, 18161), (238, 18167), (245, 18197), (255, 18218), (260, 18236), (266, 18257), (291, 18365), (294, 18377), (295, 18386), (296, 18389), (297, 18398), (298, 18404), (301, 18419), (303, 18422), (311, 18443), (324, 18485), (330, 18518), (331, 18521), (342, 18584), (347, 18629), (349, 18632), (358, 18665), (369, 18719), (370, 18722), (377, 18749), (394, 18824), (396, 18836), (397, 18839), (408, 18905), (411, 18926), (412, 18929), (415, 18950), (426, 19001), (430, 19019), (431, 19022), (437, 19052), (441, 19076), (446, 19088), (448, 19097), (466, 19193), (470, 19211), (472, 19220), (473, 19232), (478, 19268), (482, 19298), (486, 19307), (488, 19319), (495, 19343), (498, 19379), (515, 19493), (520, 19535), (542, 19670), (546, 19694), (553, 19748), (558, 19796), (565, 19817), (570, 19862), (571, 19865),

Gene: Hawkeye_32 Start: 24298, Stop: 27204, Start Num: 1

Candidate Starts for Hawkeye_32:

(Start: 1 @24298 has 1 MA's), (3, 24391), (4, 24412), (5, 24433), (6, 24442), (41, 24658), (147, 25009), (173, 25105), (185, 25180), (236, 25429), (243, 25456), (287, 25609), (291, 25633), (298, 25672), (350, 25903), (352, 25906), (377, 26014), (394, 26089), (406, 26155), (441, 26347), (446, 26359), (458, 26410), (478, 26542), (513, 26761), (548, 26992), (559, 27076),

Gene: HedwigODU_27 Start: 20881, Stop: 23313, Start Num: 57

Candidate Starts for HedwigODU_27:

(Start: 57 @20881 has 90 MA's), (95, 20980), (166, 21241), (171, 21262), (204, 21469), (212, 21502), (218, 21532), (242, 21604), (247, 21628), (264, 21673), (295, 21826), (302, 21871), (306, 21883), (309, 21892), (324, 21943), (354, 22123), (359, 22138), (373, 22207), (377, 22219), (397, 22324), (405, 22363), (406, 22369), (407, 22378), (423, 22459), (432, 22507), (451, 22582), (458, 22618), (472, 22699), (476, 22720), (492, 22813), (504, 22909), (527, 23056), (533, 23098), (539, 23137), (550, 23212),

Gene: Hegedechwinu_19 Start: 17254, Stop: 19785, Start Num: 30

Candidate Starts for Hegedechwinu_19:

(Start: 25 @17242 has 3 MA's), (Start: 30 @17254 has 239 MA's), (36, 17275), (Start: 46 @17296 has 1 MA's), (60, 17335), (93, 17404), (99, 17413), (100, 17416), (105, 17434), (115, 17467), (120, 17482), (131, 17524), (158, 17635), (159, 17638), (168, 17668), (171, 17683), (184, 17761), (199, 17851), (206, 17896), (214, 17926), (215, 17932), (217, 17950), (224, 17974), (226, 17983), (236, 18016), (238, 18022), (245, 18052), (260, 18091), (264, 18103), (266, 18112), (270, 18127), (271, 18130), (295, 18241), (296, 18244), (297, 18253), (298, 18259), (301, 18274), (303, 18277), (311, 18298), (321, 18328), (324, 18340), (330, 18373), (347, 18484), (349, 18487), (356, 18514), (358, 18520), (369, 18574), (370, 18577), (394, 18679), (396, 18691), (397, 18694), (408, 18760), (412, 18784), (415, 18805), (417, 18814), (430, 18874), (431, 18877), (439, 18913), (441, 18931), (446, 18943), (448, 18952), (456, 18979), (466, 19048), (470, 19066), (472, 19075), (473, 19087), (478, 19123), (482, 19153), (488, 19174), (495, 19198), (498, 19234), (504, 19288), (515, 19348), (520, 19390), (533, 19468), (542, 19525), (546, 19549), (553, 19603), (558, 19651), (568, 19693), (570, 19717), (571, 19720),

Gene: Henry_26 Start: 22283, Stop: 24679, Start Num: 66

Candidate Starts for Henry_26:

(Start: 66 @22283 has 122 MA's), (128, 22460), (132, 22481), (178, 22628), (200, 22769), (205, 22802), (214, 22835), (220, 22871), (245, 22964), (266, 23024), (271, 23042), (307, 23198), (313,

23219), (339, 23339), (342, 23351), (347, 23396), (394, 23591), (397, 23606), (405, 23651), (407, 23666), (439, 23822), (441, 23840), (444, 23849), (470, 23978), (471, 23981), (503, 24191), (505, 24203), (527, 24317), (558, 24533), (571, 24617), (575, 24641), (577, 24650),

Gene: Highbury_27 Start: 21945, Stop: 24341, Start Num: 66

Candidate Starts for Highbury_27:

(Start: 66 @21945 has 122 MA's), (128, 22122), (132, 22143), (178, 22290), (200, 22431), (205, 22464), (214, 22497), (220, 22533), (245, 22626), (266, 22686), (271, 22704), (299, 22836), (313, 22881), (342, 23013), (347, 23058), (365, 23118), (391, 23232), (394, 23253), (402, 23292), (405, 23313), (407, 23328), (437, 23478), (439, 23484), (441, 23502), (457, 23556), (470, 23640), (486, 23733), (527, 23979), (558, 24195), (571, 24279), (577, 24312),

Gene: Hlubikazi_18 Start: 17495, Stop: 20032, Start Num: 30

Candidate Starts for Hlubikazi_18:

(Start: 30 @17495 has 239 MA's), (36, 17516), (Start: 46 @17537 has 1 MA's), (60, 17576), (93, 17645), (99, 17654), (100, 17657), (105, 17675), (120, 17723), (158, 17882), (159, 17885), (170, 17927), (171, 17930), (184, 18008), (187, 18029), (188, 18032), (199, 18098), (214, 18173), (215, 18179), (224, 18221), (225, 18227), (226, 18230), (236, 18263), (238, 18269), (245, 18299), (255, 18320), (264, 18350), (266, 18359), (291, 18467), (294, 18479), (295, 18488), (296, 18491), (297, 18500), (298, 18506), (301, 18521), (303, 18524), (311, 18545), (324, 18587), (330, 18620), (356, 18761), (358, 18767), (369, 18821), (370, 18824), (377, 18851), (394, 18926), (396, 18938), (397, 18941), (408, 19007), (412, 19031), (415, 19052), (417, 19061), (430, 19121), (431, 19124), (439, 19160), (441, 19178), (448, 19199), (456, 19226), (466, 19295), (470, 19313), (472, 19322), (473, 19334), (478, 19370), (482, 19400), (498, 19481), (515, 19595), (520, 19637), (542, 19772), (546, 19796), (553, 19850), (570, 19964), (571, 19967),

Gene: Holt_27 Start: 21564, Stop: 23960, Start Num: 66

Candidate Starts for Holt_27:

(Start: 66 @21564 has 122 MA's), (128, 21741), (132, 21762), (178, 21909), (200, 22050), (205, 22083), (214, 22116), (220, 22152), (245, 22245), (266, 22305), (271, 22323), (299, 22455), (313, 22500), (342, 22632), (347, 22677), (365, 22737), (391, 22851), (394, 22872), (402, 22911), (405, 22932), (407, 22947), (437, 23097), (439, 23103), (441, 23121), (457, 23175), (470, 23259), (486, 23352), (527, 23598), (558, 23814), (571, 23898), (577, 23931),

Gene: Homura_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Homura_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Hoonter_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for Hoonter_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (486, 24062), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: Hohey_28 Start: 22561, Stop: 24957, Start Num: 66

Candidate Starts for Hohey_28:

(Start: 66 @22561 has 122 MA's), (128, 22738), (132, 22759), (178, 22906), (205, 23080), (214, 23113), (220, 23149), (245, 23242), (266, 23302), (271, 23320), (299, 23452), (313, 23497), (342, 23629), (347, 23674), (365, 23734), (391, 23848), (394, 23869), (402, 23908), (405, 23929), (407, 23944), (437, 24094), (439, 24100), (441, 24118), (457, 24172), (470, 24256), (486, 24349), (527, 24595), (558, 24811), (571, 24895), (577, 24928),

Gene: Hosp_024 Start: 25768, Stop: 28263, Start Num: 19

Candidate Starts for Hosp_024:

(Start: 19 @25768 has 11 MA's), (37, 25825), (56, 25882), (100, 26002), (106, 26020), (125, 26092), (127, 26098), (138, 26152), (149, 26188), (188, 26371), (195, 26416), (201, 26455), (216, 26509), (237, 26557), (244, 26587), (257, 26614), (266, 26650), (271, 26668), (276, 26692), (282, 26716), (299, 26800), (310, 26836), (320, 26866), (328, 26902), (332, 26920), (369, 27127), (371, 27139), (374, 27148), (389, 27223), (390, 27226), (392, 27235), (397, 27265), (398, 27268), (405, 27310), (407, 27325), (424, 27406), (426, 27418), (430, 27442), (432, 27457), (434, 27463), (453, 27544), (472, 27634), (474, 27649), (504, 27859), (506, 27880), (510, 27898), (556, 28195),

Gene: HufflyPuff_25 Start: 22268, Stop: 24664, Start Num: 66

Candidate Starts for HufflyPuff_25:

(Start: 66 @22268 has 122 MA's), (128, 22445), (132, 22466), (178, 22613), (200, 22754), (205, 22787), (214, 22820), (220, 22856), (245, 22949), (266, 23009), (271, 23027), (299, 23159), (313, 23204), (342, 23336), (347, 23381), (365, 23441), (391, 23555), (394, 23576), (402, 23615), (405, 23636), (407, 23651), (437, 23801), (439, 23807), (441, 23825), (457, 23879), (470, 23963), (486, 24056), (527, 24302), (558, 24518), (571, 24602), (577, 24635),

Gene: Hyperbowlee_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Hyperbowlee_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: IHOP_26 Start: 22460, Stop: 24856, Start Num: 66

Candidate Starts for IHOP_26:

(Start: 66 @22460 has 122 MA's), (128, 22637), (132, 22658), (178, 22805), (200, 22946), (205, 22979), (214, 23012), (220, 23048), (245, 23141), (266, 23201), (271, 23219), (307, 23375), (313, 23396), (339, 23516), (342, 23528), (347, 23573), (394, 23768), (395, 23774), (397, 23783), (405, 23828), (407, 23843), (439, 23999), (441, 24017), (444, 24026), (458, 24080), (470, 24155), (471, 24158), (503, 24368), (505, 24380), (527, 24494), (558, 24710), (571, 24794), (575, 24818), (577, 24827),

Gene: lbOuu_18 Start: 17397, Stop: 19934, Start Num: 30

Candidate Starts for lbOuu_18:

(Start: 25 @17385 has 3 MA's), (Start: 30 @17397 has 239 MA's), (36, 17418), (Start: 46 @17439 has 1 MA's), (60, 17478), (93, 17547), (99, 17556), (100, 17559), (105, 17577), (120, 17625), (131, 17673), (158, 17784), (159, 17787), (171, 17832), (184, 17910), (188, 17934), (199, 18000), (206, 18045), (214, 18075), (215, 18081), (217, 18099), (224, 18123), (226, 18132), (236, 18165), (238, 18171), (245, 18201), (260, 18240), (264, 18252), (266, 18261), (270, 18276), (271, 18279), (295, 18390), (296, 18393), (297, 18402), (298, 18408), (301, 18423), (303, 18426), (311, 18447), (321, 18477), (324, 18489), (330, 18522), (347, 18633), (349, 18636), (356, 18663), (358, 18669), (369, 18723), (370, 18726), (394, 18828), (396, 18840), (397, 18843), (408, 18909), (412, 18933), (415, 18954), (417, 18963), (430, 19023), (431, 19026), (439, 19062), (441, 19080), (448, 19101), (456, 19128),

(466, 19197), (470, 19215), (472, 19224), (473, 19236), (478, 19272), (488, 19323), (493, 19341), (498, 19383), (504, 19437), (520, 19539), (542, 19674), (546, 19698), (553, 19752), (565, 19821), (570, 19866), (571, 19869),

Gene: lbhubesi_18 Start: 17393, Stop: 19930, Start Num: 30

Candidate Starts for lbhubesi_18:

(Start: 30 @17393 has 239 MA's), (36, 17414), (Start: 46 @17435 has 1 MA's), (60, 17474), (93, 17543), (99, 17552), (100, 17555), (105, 17573), (120, 17621), (158, 17780), (159, 17783), (171, 17828), (187, 17927), (188, 17930), (199, 17996), (214, 18071), (215, 18077), (217, 18095), (224, 18119), (225, 18125), (226, 18128), (236, 18161), (238, 18167), (245, 18197), (255, 18218), (260, 18236), (266, 18257), (291, 18365), (294, 18377), (295, 18386), (296, 18389), (297, 18398), (298, 18404), (301, 18419), (303, 18422), (311, 18443), (324, 18485), (330, 18518), (331, 18521), (342, 18584), (347, 18629), (349, 18632), (358, 18665), (369, 18719), (370, 18722), (377, 18749), (394, 18824), (396, 18836), (397, 18839), (408, 18905), (411, 18926), (412, 18929), (415, 18950), (426, 19001), (430, 19019), (431, 19022), (437, 19052), (441, 19076), (446, 19088), (448, 19097), (466, 19193), (470, 19211), (472, 19220), (473, 19232), (478, 19268), (482, 19298), (486, 19307), (488, 19319), (495, 19343), (498, 19379), (515, 19493), (520, 19535), (542, 19670), (546, 19694), (553, 19748), (558, 19796), (565, 19817), (570, 19862), (571, 19865),

Gene: lcee_25 Start: 21943, Stop: 24339, Start Num: 66

Candidate Starts for lcee_25:

(Start: 66 @21943 has 122 MA's), (128, 22120), (132, 22141), (178, 22288), (200, 22429), (205, 22462), (214, 22495), (220, 22531), (245, 22624), (266, 22684), (271, 22702), (290, 22783), (342, 23011), (347, 23056), (394, 23251), (395, 23257), (397, 23266), (405, 23311), (407, 23326), (439, 23482), (441, 23500), (444, 23509), (470, 23638), (471, 23641), (503, 23851), (505, 23863), (527, 23977), (558, 24193), (571, 24277), (575, 24301), (577, 24310),

Gene: ldergollasper_58 Start: 36096, Stop: 38606, Start Num: 30

Candidate Starts for ldergollasper_58:

(Start: 30 @36096 has 239 MA's), (39, 36129), (63, 36198), (65, 36201), (73, 36225), (81, 36249), (87, 36273), (103, 36306), (155, 36513), (158, 36525), (159, 36528), (191, 36675), (194, 36705), (199, 36729), (206, 36759), (207, 36762), (214, 36789), (217, 36813), (225, 36843), (241, 36900), (246, 36924), (260, 36960), (264, 36972), (270, 36996), (271, 36999), (279, 37041), (301, 37137), (303, 37140), (362, 37395), (394, 37539), (405, 37599), (414, 37671), (415, 37674), (436, 37770), (470, 37944), (473, 37965), (491, 38058), (494, 38070), (504, 38160), (517, 38235), (532, 38280), (564, 38481), (569, 38535), (574, 38550),

Gene: illumine_27 Start: 20895, Stop: 23327, Start Num: 57

Candidate Starts for illumine_27:

(Start: 57 @20895 has 90 MA's), (76, 20943), (95, 20994), (166, 21255), (171, 21276), (204, 21483), (212, 21516), (218, 21546), (242, 21618), (247, 21642), (264, 21687), (295, 21840), (306, 21897), (309, 21906), (319, 21942), (324, 21957), (354, 22137), (359, 22152), (373, 22221), (377, 22233), (389, 22296), (397, 22338), (405, 22377), (406, 22383), (407, 22392), (410, 22413), (423, 22473), (432, 22521), (446, 22578), (450, 22590), (458, 22632), (470, 22704), (472, 22713), (487, 22806), (492, 22827), (504, 22923), (513, 22977), (527, 23070), (539, 23151), (558, 23298),

Gene: inca_25 Start: 20963, Stop: 23359, Start Num: 66

Candidate Starts for inca_25:

(Start: 66 @20963 has 122 MA's), (128, 21140), (132, 21161), (178, 21308), (200, 21449), (205, 21482), (214, 21515), (220, 21551), (245, 21644), (266, 21704), (271, 21722), (299, 21854), (313, 21899), (342, 22031), (347, 22076), (365, 22136), (391, 22250), (394, 22271), (402, 22310), (405, 22331), (407, 22346), (437, 22496), (439, 22502), (441, 22520), (457, 22574), (470, 22658), (486, 22751), (527, 22997), (558, 23213), (571, 23297), (577, 23330),

Gene: Inky_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Inky_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Inventum_18 Start: 17532, Stop: 20069, Start Num: 30

Candidate Starts for Inventum_18:

(Start: 30 @17532 has 239 MA's), (36, 17553), (Start: 46 @17574 has 1 MA's), (60, 17613), (93, 17682), (99, 17691), (100, 17694), (105, 17712), (120, 17760), (131, 17808), (158, 17919), (159, 17922), (171, 17967), (184, 18045), (188, 18069), (199, 18135), (214, 18210), (215, 18216), (217, 18234), (224, 18258), (226, 18267), (236, 18300), (238, 18306), (245, 18336), (255, 18357), (264, 18387), (266, 18396), (291, 18504), (294, 18516), (295, 18525), (296, 18528), (298, 18543), (301, 18558), (303, 18561), (311, 18582), (324, 18624), (330, 18657), (347, 18768), (349, 18771), (356, 18798), (358, 18804), (369, 18858), (370, 18861), (377, 18888), (394, 18963), (396, 18975), (397, 18978), (408, 19044), (411, 19065), (412, 19068), (415, 19089), (417, 19098), (426, 19140), (430, 19158), (431, 19161), (437, 19191), (441, 19215), (446, 19227), (448, 19236), (466, 19332), (470, 19350), (472, 19359), (473, 19371), (478, 19407), (482, 19437), (486, 19446), (488, 19458), (498, 19518), (504, 19572), (515, 19632), (520, 19674), (542, 19809), (546, 19833), (553, 19887), (558, 19935), (568, 19977), (570, 20001), (571, 20004),

Gene: IrishSherpFalk_19 Start: 18757, Stop: 21294, Start Num: 30

Candidate Starts for IrishSherpFalk_19:

(Start: 30 @18757 has 239 MA's), (36, 18778), (Start: 46 @18799 has 1 MA's), (60, 18838), (93, 18907), (99, 18916), (100, 18919), (105, 18937), (120, 18985), (157, 19138), (159, 19147), (171, 19192), (187, 19291), (188, 19294), (199, 19360), (214, 19435), (215, 19441), (217, 19459), (224, 19483), (225, 19489), (226, 19492), (236, 19525), (238, 19531), (245, 19561), (255, 19582), (264, 19612), (266, 19621), (270, 19636), (271, 19639), (295, 19750), (296, 19753), (297, 19762), (298, 19768), (301, 19783), (303, 19786), (311, 19807), (321, 19837), (324, 19849), (330, 19882), (347, 19993), (349, 19996), (356, 20023), (358, 20029), (369, 20083), (370, 20086), (392, 20173), (394, 20188), (396, 20200), (397, 20203), (408, 20269), (412, 20293), (415, 20314), (417, 20323), (430, 20383), (431, 20386), (439, 20422), (441, 20440), (446, 20452), (448, 20461), (456, 20488), (465, 20545), (466, 20557), (470, 20575), (472, 20584), (473, 20596), (478, 20632), (482, 20662), (486, 20671), (488, 20683), (498, 20743), (504, 20797), (515, 20857), (520, 20899), (542, 21034), (546, 21058), (553, 21112), (558, 21160), (568, 21202), (570, 21226), (571, 21229),

Gene: Island3_21 Start: 19089, Stop: 21620, Start Num: 20

Candidate Starts for Island3_21:

(Start: 20 @19089 has 2 MA's), (29, 19113), (67, 19224), (72, 19233), (81, 19260), (127, 19407), (187, 19674), (191, 19689), (194, 19719), (195, 19725), (199, 19743), (224, 19851), (238, 19902), (271, 20013), (272, 20016), (279, 20055), (290, 20088), (303, 20154), (324, 20214), (329, 20241), (330, 20247), (394, 20553), (405, 20613), (410, 20661), (411, 20664), (414, 20685), (415, 20688), (470, 20949), (493, 21072), (494, 21075), (504, 21165), (514, 21222), (517, 21243), (534, 21303), (566, 21504), (569, 21546),

Gene: JAWS_27 Start: 20866, Stop: 23298, Start Num: 57

Candidate Starts for JAWS_27:

(Start: 57 @20866 has 90 MA's), (95, 20965), (166, 21226), (171, 21247), (204, 21454), (212, 21487), (218, 21517), (242, 21589), (247, 21613), (295, 21811), (302, 21856), (306, 21868), (309, 21877),

(324, 21928), (354, 22108), (359, 22123), (373, 22192), (377, 22204), (389, 22267), (397, 22309), (405, 22348), (406, 22354), (407, 22363), (410, 22384), (423, 22444), (450, 22561), (458, 22603), (470, 22675), (472, 22684), (476, 22705), (487, 22777), (492, 22798), (504, 22894), (527, 23041), (539, 23122), (558, 23269),

Gene: Jabbawokkie_26 Start: 17616, Stop: 20168, Start Num: 16

Candidate Starts for Jabbawokkie_26:

(14, 17607), (Start: 16 @17616 has 7 MA's), (Start: 30 @17676 has 239 MA's), (43, 17712), (85, 17811), (131, 17952), (142, 17991), (148, 18006), (159, 18042), (161, 18048), (162, 18051), (169, 18069), (174, 18093), (180, 18117), (181, 18120), (203, 18264), (206, 18273), (214, 18297), (217, 18321), (224, 18345), (225, 18351), (232, 18372), (233, 18375), (238, 18393), (245, 18426), (258, 18456), (264, 18477), (287, 18570), (290, 18585), (291, 18594), (295, 18615), (296, 18618), (307, 18660), (321, 18702), (322, 18705), (324, 18714), (329, 18741), (331, 18750), (337, 18789), (340, 18810), (342, 18813), (346, 18849), (351, 18870), (369, 18948), (370, 18951), (385, 19005), (396, 19065), (410, 19152), (412, 19158), (415, 19179), (424, 19215), (435, 19269), (437, 19278), (455, 19356), (458, 19374), (463, 19410), (464, 19413), (466, 19431), (470, 19449), (478, 19506), (480, 19518), (495, 19581), (498, 19614), (507, 19701), (518, 19749), (519, 19773), (527, 19809), (532, 19848), (538, 19887), (542, 19911), (545, 19932), (558, 20028), (565, 20049), (572, 20109), (574, 20112), (577, 20139),

Gene: JalFarm20_20 Start: 17767, Stop: 20304, Start Num: 30

Candidate Starts for JalFarm20_20:

(Start: 25 @17755 has 3 MA's), (Start: 30 @17767 has 239 MA's), (36, 17788), (Start: 46 @17809 has 1 MA's), (60, 17848), (93, 17917), (99, 17926), (100, 17929), (105, 17947), (115, 17980), (120, 17995), (131, 18043), (158, 18154), (159, 18157), (168, 18187), (170, 18199), (171, 18202), (184, 18280), (188, 18304), (199, 18370), (206, 18415), (214, 18445), (215, 18451), (217, 18469), (224, 18493), (226, 18502), (236, 18535), (238, 18541), (245, 18571), (260, 18610), (264, 18622), (266, 18631), (270, 18646), (271, 18649), (295, 18760), (296, 18763), (297, 18772), (298, 18778), (301, 18793), (303, 18796), (311, 18817), (321, 18847), (324, 18859), (330, 18892), (347, 19003), (349, 19006), (356, 19033), (358, 19039), (369, 19093), (370, 19096), (392, 19183), (394, 19198), (396, 19210), (397, 19213), (408, 19279), (412, 19303), (415, 19324), (417, 19333), (430, 19393), (431, 19396), (439, 19432), (441, 19450), (446, 19462), (448, 19471), (456, 19498), (466, 19567), (470, 19585), (472, 19594), (473, 19606), (478, 19642), (482, 19672), (488, 19693), (495, 19717), (498, 19753), (504, 19807), (515, 19867), (520, 19909), (533, 19987), (542, 20044), (546, 20068), (553, 20122), (558, 20170), (568, 20212), (570, 20236), (571, 20239),

Gene: James_18 Start: 17397, Stop: 19922, Start Num: 30

Candidate Starts for James_18:

(Start: 30 @17397 has 239 MA's), (36, 17418), (Start: 46 @17439 has 1 MA's), (60, 17478), (93, 17547), (99, 17556), (100, 17559), (105, 17577), (120, 17625), (131, 17673), (158, 17784), (159, 17787), (169, 17820), (171, 17832), (184, 17910), (194, 17976), (200, 18009), (210, 18063), (214, 18075), (225, 18129), (226, 18132), (229, 18141), (239, 18174), (252, 18213), (254, 18216), (259, 18231), (260, 18234), (268, 18261), (269, 18267), (270, 18270), (271, 18273), (277, 18300), (280, 18318), (282, 18321), (297, 18396), (301, 18417), (303, 18420), (312, 18447), (321, 18471), (330, 18516), (331, 18519), (339, 18570), (349, 18633), (351, 18642), (357, 18666), (383, 18771), (384, 18774), (394, 18825), (395, 18831), (396, 18837), (397, 18840), (405, 18885), (407, 18900), (411, 18927), (415, 18951), (426, 19002), (430, 19020), (431, 19023), (432, 19035), (446, 19089), (470, 19212), (479, 19275), (493, 19338), (500, 19413), (534, 19614), (567, 19824), (573, 19863), (574, 19866),

Gene: JangDynasty_58 Start: 36182, Stop: 38692, Start Num: 30

Candidate Starts for JangDynasty_58:

(Start: 30 @36182 has 239 MA's), (39, 36215), (63, 36284), (65, 36287), (73, 36311), (81, 36335), (87, 36359), (103, 36392), (155, 36599), (158, 36611), (159, 36614), (191, 36761), (194, 36791), (199, 36815), (206, 36845), (207, 36848), (214, 36875), (217, 36899), (225, 36929), (241, 36986), (246, 37010), (260, 37046), (264, 37058), (270, 37082), (271, 37085), (279, 37127), (301, 37223), (303, 37226), (362, 37481), (394, 37625), (405, 37685), (414, 37757), (415, 37760), (436, 37856), (470, 38030), (473, 38051), (491, 38144), (494, 38156), (504, 38246), (517, 38321), (532, 38366), (564, 38567), (569, 38621), (574, 38636),

Gene: Jarcob_18 Start: 17405, Stop: 19957, Start Num: 30

Candidate Starts for Jarcob_18:

(Start: 30 @17405 has 239 MA's), (60, 17486), (93, 17555), (99, 17564), (100, 17567), (105, 17585), (120, 17633), (130, 17678), (158, 17792), (159, 17795), (163, 17807), (169, 17828), (170, 17837), (171, 17840), (181, 17888), (184, 17918), (194, 17984), (200, 18017), (206, 18053), (211, 18077), (225, 18137), (226, 18140), (232, 18158), (252, 18221), (254, 18224), (260, 18242), (266, 18263), (271, 18281), (277, 18308), (282, 18329), (290, 18362), (297, 18404), (298, 18410), (299, 18413), (303, 18428), (312, 18455), (313, 18458), (321, 18479), (324, 18491), (330, 18524), (345, 18617), (369, 18725), (375, 18749), (377, 18755), (382, 18773), (383, 18776), (388, 18800), (394, 18830), (399, 18854), (405, 18890), (406, 18896), (407, 18905), (411, 18932), (422, 18995), (426, 19019), (427, 19034), (437, 19076), (451, 19127), (467, 19223), (470, 19238), (472, 19247), (476, 19271), (486, 19334), (495, 19370), (540, 19676), (546, 19721), (558, 19823),

Gene: Jarvi_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Jarvi_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Jayhawk_28 Start: 20879, Stop: 23311, Start Num: 57

Candidate Starts for Jayhawk_28:

(Start: 57 @20879 has 90 MA's), (95, 20978), (166, 21239), (171, 21260), (204, 21467), (212, 21500), (218, 21530), (242, 21602), (247, 21626), (264, 21671), (295, 21824), (302, 21869), (306, 21881), (309, 21890), (324, 21941), (354, 22121), (359, 22136), (373, 22205), (377, 22217), (397, 22322), (405, 22361), (406, 22367), (407, 22376), (423, 22457), (432, 22505), (451, 22580), (458, 22616), (472, 22697), (476, 22718), (492, 22811), (504, 22907), (527, 23054), (533, 23096), (539, 23135), (550, 23210),

Gene: JeTaime_28 Start: 23085, Stop: 25481, Start Num: 66

Candidate Starts for JeTaime_28:

(Start: 66 @23085 has 122 MA's), (128, 23262), (132, 23283), (178, 23430), (205, 23604), (214, 23637), (220, 23673), (245, 23766), (266, 23826), (271, 23844), (299, 23976), (313, 24021), (342, 24153), (347, 24198), (365, 24258), (391, 24372), (394, 24393), (402, 24432), (405, 24453), (407, 24468), (437, 24618), (439, 24624), (441, 24642), (457, 24696), (470, 24780), (486, 24873), (527, 25119), (558, 25335), (571, 25419), (577, 25452),

Gene: Jeckyll_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Jeckyll_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649),

(470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Jinglebell_18 Start: 17634, Stop: 20171, Start Num: 30

Candidate Starts for Jinglebell_18:

(Start: 30 @17634 has 239 MA's), (36, 17655), (Start: 46 @17676 has 1 MA's), (60, 17715), (93, 17784), (99, 17793), (100, 17796), (105, 17814), (120, 17862), (158, 18021), (159, 18024), (170, 18066), (171, 18069), (184, 18147), (187, 18168), (188, 18171), (199, 18237), (200, 18246), (206, 18282), (214, 18312), (215, 18318), (224, 18360), (225, 18366), (226, 18369), (236, 18402), (238, 18408), (245, 18438), (255, 18459), (264, 18489), (266, 18498), (291, 18606), (294, 18618), (295, 18627), (296, 18630), (297, 18639), (298, 18645), (301, 18660), (303, 18663), (311, 18684), (324, 18726), (330, 18759), (356, 18900), (358, 18906), (369, 18960), (370, 18963), (377, 18990), (394, 19065), (396, 19077), (397, 19080), (408, 19146), (411, 19167), (412, 19170), (415, 19191), (426, 19242), (430, 19260), (431, 19263), (437, 19293), (441, 19317), (446, 19329), (466, 19434), (470, 19452), (472, 19461), (473, 19473), (478, 19509), (482, 19539), (488, 19560), (495, 19584), (498, 19620), (515, 19734), (520, 19776), (533, 19854), (542, 19911), (546, 19935), (553, 19989), (558, 20037), (568, 20079), (570, 20103), (571, 20106),

Gene: Job42_21 Start: 19082, Stop: 21619, Start Num: 30

Candidate Starts for Job42_21:

(Start: 30 @19082 has 239 MA's), (Start: 46 @19124 has 1 MA's), (70, 19172), (93, 19232), (99, 19241), (100, 19244), (105, 19262), (115, 19295), (120, 19310), (131, 19358), (158, 19469), (159, 19472), (168, 19502), (170, 19514), (171, 19517), (184, 19595), (188, 19619), (199, 19685), (206, 19730), (214, 19760), (215, 19766), (217, 19784), (224, 19808), (226, 19817), (236, 19850), (238, 19856), (245, 19886), (260, 19925), (264, 19937), (266, 19946), (270, 19961), (271, 19964), (295, 20075), (296, 20078), (297, 20087), (298, 20093), (301, 20108), (303, 20111), (311, 20132), (321, 20162), (324, 20174), (330, 20207), (347, 20318), (349, 20321), (356, 20348), (358, 20354), (369, 20408), (370, 20411), (394, 20513), (396, 20525), (397, 20528), (408, 20594), (412, 20618), (415, 20639), (417, 20648), (430, 20708), (431, 20711), (439, 20747), (441, 20765), (446, 20777), (448, 20786), (456, 20813), (466, 20882), (470, 20900), (472, 20909), (473, 20921), (478, 20957), (482, 20987), (488, 21008), (495, 21032), (498, 21068), (504, 21122), (515, 21182), (520, 21224), (533, 21302), (542, 21359), (546, 21383), (553, 21437), (558, 21485), (568, 21527), (570, 21551), (571, 21554),

Gene: JoeyJr_18 Start: 17568, Stop: 20105, Start Num: 30

Candidate Starts for JoeyJr_18:

(Start: 25 @17556 has 3 MA's), (Start: 30 @17568 has 239 MA's), (36, 17589), (Start: 46 @17610 has 1 MA's), (60, 17649), (93, 17718), (99, 17727), (100, 17730), (105, 17748), (120, 17796), (131, 17844), (158, 17955), (159, 17958), (171, 18003), (184, 18081), (188, 18105), (199, 18171), (206, 18216), (214, 18246), (215, 18252), (217, 18270), (224, 18294), (226, 18303), (236, 18336), (238, 18342), (245, 18372), (260, 18411), (264, 18423), (266, 18432), (270, 18447), (271, 18450), (295, 18561), (296, 18564), (297, 18573), (298, 18579), (301, 18594), (303, 18597), (311, 18618), (321, 18648), (324, 18660), (330, 18693), (347, 18804), (349, 18807), (356, 18834), (358, 18840), (369, 18894), (370, 18897), (394, 18999), (396, 19011), (397, 19014), (408, 19080), (412, 19104), (415, 19125), (417, 19134), (430, 19194), (431, 19197), (439, 19233), (441, 19251), (448, 19272), (456, 19299), (466, 19368), (470, 19386), (472, 19395), (473, 19407), (478, 19443), (488, 19494), (493, 19512), (498, 19554), (504, 19608), (520, 19710), (542, 19845), (546, 19869), (553, 19923), (565, 19992), (570, 20037), (571, 20040),

Gene: Jolie1_026 Start: 27564, Stop: 30065, Start Num: 19

Candidate Starts for Jolie1_026:

(Start: 19 @27564 has 11 MA's), (26, 27585), (37, 27621), (56, 27678), (100, 27798), (106, 27816), (125, 27888), (127, 27894), (138, 27948), (149, 27984), (188, 28167), (195, 28212), (201, 28251),

(216, 28305), (257, 28410), (266, 28446), (271, 28464), (282, 28512), (299, 28596), (310, 28632), (320, 28662), (328, 28698), (332, 28716), (369, 28923), (371, 28935), (374, 28944), (389, 29019), (390, 29022), (397, 29061), (405, 29106), (407, 29121), (424, 29202), (426, 29214), (428, 29232), (430, 29238), (432, 29253), (434, 29259), (453, 29340), (472, 29430), (474, 29445), (482, 29517), (493, 29556), (504, 29655), (556, 29997),

Gene: Jolie2_22 Start: 19776, Stop: 22241, Start Num: 19

Candidate Starts for Jolie2_22:

(8, 19692), (9, 19707), (12, 19728), (Start: 19 @19776 has 11 MA's), (55, 19884), (64, 19905), (76, 19938), (168, 20241), (201, 20433), (213, 20484), (234, 20529), (266, 20628), (269, 20640), (271, 20646), (287, 20712), (290, 20727), (299, 20778), (332, 20898), (333, 20907), (369, 21105), (378, 21141), (383, 21180), (407, 21309), (413, 21354), (426, 21405), (438, 21465), (449, 21510), (472, 21621), (476, 21648), (493, 21747), (494, 21750), (503, 21843), (510, 21885), (528, 21990), (556, 22179), (561, 22221),

Gene: Joy99_27 Start: 20841, Stop: 23273, Start Num: 57

Candidate Starts for Joy99_27:

(Start: 57 @20841 has 90 MA's), (95, 20940), (166, 21201), (171, 21222), (204, 21429), (212, 21462), (218, 21492), (242, 21564), (247, 21588), (295, 21786), (302, 21831), (306, 21843), (309, 21852), (324, 21903), (354, 22083), (359, 22098), (373, 22167), (377, 22179), (389, 22242), (397, 22284), (405, 22323), (406, 22329), (407, 22338), (410, 22359), (423, 22419), (450, 22536), (458, 22578), (470, 22650), (476, 22680), (487, 22752), (492, 22773), (504, 22869), (527, 23016), (539, 23097), (558, 23244),

Gene: Juice456_20 Start: 18519, Stop: 21056, Start Num: 30

Candidate Starts for Juice456_20:

(Start: 25 @18507 has 3 MA's), (Start: 30 @18519 has 239 MA's), (36, 18540), (Start: 46 @18561 has 1 MA's), (60, 18600), (93, 18669), (99, 18678), (100, 18681), (105, 18699), (115, 18732), (120, 18747), (131, 18795), (158, 18906), (159, 18909), (168, 18939), (170, 18951), (171, 18954), (184, 19032), (188, 19056), (199, 19122), (206, 19167), (214, 19197), (215, 19203), (217, 19221), (224, 19245), (226, 19254), (236, 19287), (238, 19293), (245, 19323), (260, 19362), (264, 19374), (266, 19383), (270, 19398), (271, 19401), (295, 19512), (296, 19515), (297, 19524), (298, 19530), (301, 19545), (303, 19548), (311, 19569), (321, 19599), (324, 19611), (330, 19644), (347, 19755), (349, 19758), (356, 19785), (358, 19791), (369, 19845), (370, 19848), (392, 19935), (394, 19950), (396, 19962), (397, 19965), (408, 20031), (412, 20055), (415, 20076), (417, 20085), (426, 20127), (430, 20145), (431, 20148), (439, 20184), (441, 20202), (446, 20214), (448, 20223), (456, 20250), (466, 20319), (470, 20337), (472, 20346), (473, 20358), (478, 20394), (482, 20424), (488, 20445), (495, 20469), (498, 20505), (504, 20559), (515, 20619), (520, 20661), (533, 20739), (542, 20796), (546, 20820), (553, 20874), (558, 20922), (568, 20964), (570, 20988), (571, 20991),

Gene: Juniper1_18 Start: 17394, Stop: 19931, Start Num: 30

Candidate Starts for Juniper1_18:

(Start: 30 @17394 has 239 MA's), (36, 17415), (Start: 46 @17436 has 1 MA's), (60, 17475), (93, 17544), (99, 17553), (100, 17556), (105, 17574), (115, 17607), (120, 17622), (158, 17781), (159, 17784), (171, 17829), (184, 17907), (188, 17931), (199, 17997), (214, 18072), (215, 18078), (224, 18120), (225, 18126), (226, 18129), (236, 18162), (238, 18168), (245, 18198), (255, 18219), (264, 18249), (266, 18258), (291, 18366), (294, 18378), (295, 18387), (296, 18390), (297, 18399), (298, 18405), (301, 18420), (303, 18423), (311, 18444), (324, 18486), (330, 18519), (347, 18630), (349, 18633), (356, 18660), (358, 18666), (369, 18720), (370, 18723), (377, 18750), (380, 18759), (394, 18825), (396, 18837), (397, 18840), (408, 18906), (411, 18927), (412, 18930), (415, 18951), (426, 19002), (430, 19020), (431, 19023), (437, 19053), (441, 19077), (446, 19089), (448, 19098), (466, 19194), (470, 19212), (472, 19221), (473, 19233), (478, 19269), (482, 19299), (488, 19320), (495, 19344), (498, 19380), (515, 19494), (520, 19536), (542, 19671), (546, 19695), (553, 19749), (565,

19818), (570, 19863), (571, 19866), (573, 19872),

Gene: Kanye_28 Start: 23270, Stop: 25666, Start Num: 66

Candidate Starts for Kanye_28:

(Start: 66 @23270 has 122 MA's), (128, 23447), (132, 23468), (178, 23615), (200, 23756), (205, 23789), (214, 23822), (220, 23858), (245, 23951), (266, 24011), (271, 24029), (299, 24161), (313, 24206), (342, 24338), (347, 24383), (365, 24443), (391, 24557), (394, 24578), (402, 24617), (405, 24638), (407, 24653), (437, 24803), (439, 24809), (441, 24827), (457, 24881), (470, 24965), (486, 25058), (527, 25304), (558, 25520), (571, 25604), (577, 25637),

Gene: Karhdo_18 Start: 17528, Stop: 20065, Start Num: 30

Candidate Starts for Karhdo_18:

(Start: 25 @17516 has 3 MA's), (Start: 30 @17528 has 239 MA's), (36, 17549), (Start: 46 @17570 has 1 MA's), (60, 17609), (93, 17678), (99, 17687), (100, 17690), (105, 17708), (115, 17741), (120, 17756), (131, 17804), (158, 17915), (159, 17918), (168, 17948), (170, 17960), (171, 17963), (184, 18041), (188, 18065), (199, 18131), (206, 18176), (214, 18206), (215, 18212), (217, 18230), (224, 18254), (226, 18263), (236, 18296), (238, 18302), (245, 18332), (260, 18371), (264, 18383), (266, 18392), (270, 18407), (271, 18410), (295, 18521), (296, 18524), (297, 18533), (298, 18539), (301, 18554), (303, 18557), (311, 18578), (321, 18608), (324, 18620), (330, 18653), (347, 18764), (349, 18767), (356, 18794), (358, 18800), (369, 18854), (370, 18857), (392, 18944), (394, 18959), (396, 18971), (397, 18974), (408, 19040), (412, 19064), (415, 19085), (417, 19094), (426, 19136), (430, 19154), (431, 19157), (437, 19187), (441, 19211), (446, 19223), (448, 19232), (466, 19328), (470, 19346), (472, 19355), (473, 19367), (478, 19403), (482, 19433), (486, 19442), (488, 19454), (498, 19514), (504, 19568), (515, 19628), (520, 19670), (542, 19805), (546, 19829), (553, 19883), (558, 19931), (568, 19973), (570, 19997), (571, 20000),

Gene: KashFlow_30 Start: 26008, Stop: 28503, Start Num: 30

Candidate Starts for KashFlow_30:

(Start: 30 @26008 has 239 MA's), (105, 26203), (115, 26239), (120, 26254), (142, 26341), (148, 26356), (159, 26392), (161, 26398), (171, 26431), (174, 26443), (203, 26614), (206, 26623), (214, 26647), (225, 26701), (236, 26737), (238, 26743), (245, 26773), (258, 26803), (264, 26824), (266, 26833), (270, 26848), (287, 26917), (303, 26998), (307, 27007), (313, 27028), (314, 27031), (324, 27061), (331, 27097), (339, 27148), (340, 27157), (342, 27160), (345, 27187), (346, 27196), (351, 27217), (369, 27295), (370, 27298), (388, 27370), (395, 27406), (396, 27412), (404, 27454), (405, 27460), (411, 27502), (412, 27505), (415, 27526), (416, 27532), (417, 27535), (424, 27565), (455, 27706), (457, 27715), (458, 27724), (462, 27757), (466, 27781), (467, 27784), (470, 27799), (473, 27820), (478, 27856), (479, 27862), (480, 27868), (484, 27889), (491, 27916), (507, 28051), (519, 28123), (521, 28129), (527, 28147), (542, 28246), (558, 28363), (572, 28444), (574, 28447), (577, 28474),

Gene: KayaCho_26 Start: 27566, Stop: 30061, Start Num: 19

Candidate Starts for KayaCho_26:

(Start: 19 @27566 has 11 MA's), (37, 27623), (50, 27662), (Start: 77 @27737 has 1 MA's), (106, 27818), (125, 27890), (138, 27950), (149, 27986), (188, 28169), (195, 28214), (216, 28307), (237, 28355), (257, 28412), (266, 28448), (271, 28466), (277, 28493), (282, 28514), (299, 28598), (310, 28634), (320, 28664), (328, 28700), (332, 28718), (369, 28925), (371, 28937), (374, 28946), (387, 29015), (389, 29021), (390, 29024), (397, 29063), (405, 29108), (410, 29147), (424, 29204), (426, 29216), (430, 29240), (432, 29255), (434, 29261), (453, 29342), (474, 29447), (504, 29657), (506, 29678), (538, 29870), (556, 29993), (562, 30038),

Gene: Kenuha5_18 Start: 17523, Stop: 20015, Start Num: 30

Candidate Starts for Kenuha5_18:

(Start: 25 @17511 has 3 MA's), (Start: 30 @17523 has 239 MA's), (36, 17544), (Start: 46 @17565 has 1 MA's), (61, 17604), (93, 17673), (99, 17682), (100, 17685), (105, 17703), (115, 17736), (124, 17769), (131, 17802), (148, 17856), (159, 17892), (161, 17898), (162, 17901), (169, 17919), (171, 17931), (174, 17943), (180, 17967), (190, 18030), (203, 18114), (206, 18123), (214, 18147), (217, 18171), (224, 18195), (225, 18201), (232, 18222), (238, 18243), (245, 18273), (258, 18303), (264, 18324), (287, 18417), (290, 18432), (291, 18441), (295, 18462), (296, 18465), (321, 18549), (322, 18552), (324, 18561), (329, 18588), (331, 18597), (337, 18636), (340, 18657), (342, 18660), (346, 18696), (351, 18717), (369, 18795), (370, 18798), (385, 18852), (396, 18912), (412, 19005), (414, 19023), (415, 19026), (424, 19062), (435, 19116), (437, 19125), (455, 19203), (458, 19221), (463, 19257), (464, 19260), (466, 19278), (467, 19281), (470, 19296), (473, 19317), (478, 19353), (480, 19365), (495, 19428), (498, 19461), (507, 19548), (518, 19596), (519, 19620), (524, 19647), (527, 19656), (532, 19695), (538, 19734), (542, 19758), (545, 19779), (558, 19875), (565, 19896), (574, 19959), (577, 19986), (578, 19995),

Gene: Kersh_19 Start: 17568, Stop: 20060, Start Num: 30

Candidate Starts for Kersh_19:

(Start: 30 @17568 has 239 MA's), (36, 17589), (Start: 46 @17610 has 1 MA's), (61, 17649), (93, 17718), (99, 17727), (100, 17730), (105, 17748), (115, 17781), (124, 17814), (131, 17847), (148, 17901), (159, 17937), (162, 17946), (169, 17964), (174, 17988), (180, 18012), (196, 18120), (200, 18144), (203, 18159), (206, 18168), (214, 18192), (215, 18198), (217, 18216), (220, 18228), (222, 18234), (224, 18240), (225, 18246), (226, 18249), (229, 18258), (232, 18267), (236, 18282), (245, 18318), (260, 18357), (264, 18369), (266, 18378), (287, 18462), (303, 18543), (307, 18552), (314, 18576), (324, 18606), (331, 18642), (339, 18693), (340, 18702), (342, 18705), (346, 18741), (351, 18762), (369, 18840), (370, 18843), (385, 18897), (396, 18957), (410, 19044), (412, 19050), (415, 19071), (424, 19107), (435, 19161), (437, 19170), (455, 19248), (458, 19266), (463, 19302), (464, 19305), (466, 19323), (470, 19341), (478, 19398), (480, 19410), (495, 19473), (498, 19506), (507, 19593), (518, 19641), (519, 19665), (524, 19692), (527, 19701), (532, 19740), (538, 19779), (542, 19803), (545, 19824), (558, 19920), (565, 19941), (572, 20001), (574, 20004), (577, 20031),

Gene: KiSi_26 Start: 20041, Stop: 22500, Start Num: 57

Candidate Starts for KiSi_26:

(Start: 57 @20041 has 90 MA's), (76, 20089), (117, 20212), (130, 20269), (132, 20281), (158, 20374), (165, 20398), (177, 20449), (202, 20611), (225, 20722), (235, 20761), (242, 20785), (276, 20908), (291, 20980), (308, 21067), (325, 21133), (328, 21148), (344, 21250), (354, 21304), (368, 21364), (385, 21442), (386, 21454), (389, 21463), (397, 21505), (407, 21565), (425, 21652), (429, 21676), (445, 21748), (458, 21805), (476, 21916), (478, 21940), (481, 21961), (493, 22012), (509, 22141), (528, 22246), (558, 22471),

Gene: Kimberlium_20 Start: 18519, Stop: 21056, Start Num: 30

Candidate Starts for Kimberlium_20:

(Start: 25 @18507 has 3 MA's), (Start: 30 @18519 has 239 MA's), (36, 18540), (Start: 46 @18561 has 1 MA's), (60, 18600), (93, 18669), (99, 18678), (100, 18681), (105, 18699), (115, 18732), (120, 18747), (131, 18795), (158, 18906), (159, 18909), (168, 18939), (170, 18951), (171, 18954), (184, 19032), (188, 19056), (199, 19122), (206, 19167), (214, 19197), (215, 19203), (217, 19221), (224, 19245), (226, 19254), (236, 19287), (238, 19293), (245, 19323), (260, 19362), (264, 19374), (266, 19383), (270, 19398), (271, 19401), (295, 19512), (296, 19515), (297, 19524), (298, 19530), (301, 19545), (303, 19548), (311, 19569), (321, 19599), (324, 19611), (330, 19644), (347, 19755), (349, 19758), (356, 19785), (358, 19791), (369, 19845), (370, 19848), (392, 19935), (394, 19950), (396, 19962), (397, 19965), (408, 20031), (412, 20055), (415, 20076), (417, 20085), (426, 20127), (430, 20145), (431, 20148), (439, 20184), (441, 20202), (446, 20214), (448, 20223), (456, 20250), (466, 20319), (470, 20337), (472, 20346), (473, 20358), (478, 20394), (482, 20424), (488, 20445), (495, 20469), (498, 20505), (504, 20559), (515, 20619), (520, 20661), (533, 20739), (542, 20796), (546, 20820), (553, 20874), (558, 20922), (568, 20964), (570, 20988), (571, 20991),

Gene: Kimchi_28 Start: 22277, Stop: 24673, Start Num: 66

Candidate Starts for Kimchi_28:

(Start: 66 @22277 has 122 MA's), (128, 22454), (132, 22475), (178, 22622), (200, 22763), (205, 22796), (214, 22829), (220, 22865), (245, 22958), (266, 23018), (271, 23036), (299, 23168), (313, 23213), (342, 23345), (347, 23390), (365, 23450), (391, 23564), (394, 23585), (402, 23624), (405, 23645), (407, 23660), (437, 23810), (439, 23816), (441, 23834), (457, 23888), (470, 23972), (486, 24065), (527, 24311), (558, 24527), (571, 24611), (577, 24644),

Gene: KingMidas_19 Start: 18701, Stop: 21238, Start Num: 30

Candidate Starts for KingMidas_19:

(Start: 25 @18689 has 3 MA's), (Start: 30 @18701 has 239 MA's), (36, 18722), (Start: 46 @18743 has 1 MA's), (60, 18782), (93, 18851), (99, 18860), (100, 18863), (105, 18881), (120, 18929), (131, 18977), (158, 19088), (159, 19091), (171, 19136), (184, 19214), (188, 19238), (199, 19304), (206, 19349), (214, 19379), (215, 19385), (217, 19403), (224, 19427), (226, 19436), (236, 19469), (238, 19475), (245, 19505), (260, 19544), (264, 19556), (266, 19565), (270, 19580), (271, 19583), (295, 19694), (296, 19697), (297, 19706), (298, 19712), (301, 19727), (303, 19730), (311, 19751), (321, 19781), (324, 19793), (330, 19826), (347, 19937), (349, 19940), (356, 19967), (358, 19973), (369, 20027), (370, 20030), (394, 20132), (396, 20144), (397, 20147), (408, 20213), (412, 20237), (415, 20258), (417, 20267), (430, 20327), (431, 20330), (439, 20366), (441, 20384), (448, 20405), (456, 20432), (466, 20501), (470, 20519), (472, 20528), (473, 20540), (478, 20576), (488, 20627), (493, 20645), (498, 20687), (504, 20741), (520, 20843), (542, 20978), (546, 21002), (553, 21056), (565, 21125), (570, 21170), (571, 21173),

Gene: Kingsley_19 Start: 17253, Stop: 19730, Start Num: 30

Candidate Starts for Kingsley_19:

(Start: 25 @17241 has 3 MA's), (Start: 30 @17253 has 239 MA's), (36, 17274), (Start: 46 @17295 has 1 MA's), (61, 17334), (93, 17403), (99, 17412), (100, 17415), (105, 17433), (115, 17466), (120, 17481), (142, 17568), (148, 17583), (159, 17619), (161, 17625), (171, 17658), (174, 17670), (203, 17841), (206, 17850), (214, 17874), (225, 17928), (236, 17964), (238, 17970), (245, 18000), (258, 18030), (264, 18051), (266, 18060), (287, 18144), (298, 18207), (303, 18225), (307, 18234), (313, 18255), (314, 18258), (321, 18276), (324, 18288), (329, 18315), (331, 18324), (339, 18375), (340, 18384), (342, 18387), (345, 18414), (346, 18423), (351, 18444), (369, 18522), (370, 18525), (395, 18633), (396, 18639), (405, 18687), (411, 18729), (412, 18732), (415, 18753), (416, 18759), (417, 18762), (424, 18792), (455, 18933), (458, 18951), (462, 18984), (466, 19008), (467, 19011), (470, 19026), (473, 19047), (478, 19083), (479, 19089), (484, 19116), (491, 19143), (507, 19278), (518, 19326), (519, 19350), (521, 19356), (527, 19374), (542, 19473), (545, 19494), (548, 19512), (558, 19590), (565, 19611), (574, 19674), (575, 19692), (578, 19710),

Gene: Konstantine_34 Start: 26883, Stop: 29726, Start Num: 2

Candidate Starts for Konstantine_34:

(Start: 2 @26883 has 8 MA's), (10, 27015), (11, 27027), (13, 27036), (24, 27105), (47, 27171), (51, 27192), (68, 27240), (82, 27282), (90, 27306), (105, 27339), (114, 27375), (118, 27387), (139, 27480), (156, 27537), (167, 27576), (200, 27771), (204, 27801), (215, 27843), (255, 27984), (260, 28002), (279, 28083), (290, 28122), (294, 28143), (330, 28281), (336, 28320), (346, 28383), (370, 28485), (414, 28710), (483, 29073), (491, 29100), (528, 29343), (531, 29376), (535, 29400), (552, 29520), (566, 29598), (577, 29685), (579, 29700), (580, 29706),

Gene: Kostya_26 Start: 22283, Stop: 24679, Start Num: 66

Candidate Starts for Kostya_26:

(Start: 66 @22283 has 122 MA's), (128, 22460), (132, 22481), (178, 22628), (200, 22769), (205, 22802), (214, 22835), (220, 22871), (245, 22964), (266, 23024), (271, 23042), (290, 23123), (342, 23351), (347, 23396), (394, 23591), (395, 23597), (397, 23606), (405, 23651), (407, 23666), (439,

23822), (441, 23840), (444, 23849), (470, 23978), (471, 23981), (503, 24191), (505, 24203), (527, 24317), (558, 24533), (571, 24617), (575, 24641), (577, 24650),

Gene: Krakatau_19 Start: 18095, Stop: 20632, Start Num: 30

Candidate Starts for Krakatau_19:

(Start: 30 @18095 has 239 MA's), (36, 18116), (Start: 46 @18137 has 1 MA's), (60, 18176), (93, 18245), (99, 18254), (100, 18257), (105, 18275), (115, 18308), (120, 18323), (131, 18371), (158, 18482), (159, 18485), (168, 18515), (170, 18527), (171, 18530), (188, 18632), (199, 18698), (206, 18743), (214, 18773), (215, 18779), (217, 18797), (224, 18821), (226, 18830), (236, 18863), (238, 18869), (245, 18899), (260, 18938), (264, 18950), (266, 18959), (270, 18974), (272, 18980), (295, 19088), (296, 19091), (297, 19100), (298, 19106), (301, 19121), (303, 19124), (311, 19145), (321, 19175), (324, 19187), (330, 19220), (347, 19331), (349, 19334), (356, 19361), (358, 19367), (369, 19421), (370, 19424), (394, 19526), (396, 19538), (397, 19541), (408, 19607), (412, 19631), (415, 19652), (417, 19661), (430, 19721), (431, 19724), (439, 19760), (441, 19778), (446, 19790), (448, 19799), (456, 19826), (466, 19895), (470, 19913), (472, 19922), (473, 19934), (478, 19970), (482, 20000), (488, 20021), (495, 20045), (498, 20081), (504, 20135), (515, 20195), (520, 20237), (533, 20315), (542, 20372), (546, 20396), (553, 20450), (558, 20498), (570, 20564), (571, 20567),

Gene: Krili_57 Start: 35606, Stop: 38116, Start Num: 30

Candidate Starts for Krili_57:

(Start: 30 @35606 has 239 MA's), (39, 35639), (63, 35708), (65, 35711), (73, 35735), (81, 35759), (87, 35783), (103, 35816), (155, 36023), (158, 36035), (159, 36038), (191, 36185), (194, 36215), (199, 36239), (206, 36269), (207, 36272), (214, 36299), (217, 36323), (225, 36353), (241, 36410), (246, 36434), (260, 36470), (264, 36482), (270, 36506), (271, 36509), (279, 36551), (301, 36647), (303, 36650), (362, 36905), (394, 37049), (405, 37109), (414, 37181), (415, 37184), (436, 37280), (470, 37454), (473, 37475), (491, 37568), (494, 37580), (504, 37670), (517, 37745), (532, 37790), (564, 37991), (569, 38045), (574, 38060),

Gene: KristaRAM_19 Start: 18070, Stop: 20607, Start Num: 30

Candidate Starts for KristaRAM_19:

(Start: 25 @18058 has 3 MA's), (Start: 30 @18070 has 239 MA's), (36, 18091), (Start: 46 @18112 has 1 MA's), (60, 18151), (93, 18220), (99, 18229), (100, 18232), (105, 18250), (115, 18283), (120, 18298), (131, 18346), (158, 18457), (159, 18460), (168, 18490), (170, 18502), (171, 18505), (184, 18583), (188, 18607), (199, 18673), (206, 18718), (214, 18748), (215, 18754), (217, 18772), (224, 18796), (226, 18805), (236, 18838), (238, 18844), (245, 18874), (260, 18913), (264, 18925), (266, 18934), (270, 18949), (271, 18952), (295, 19063), (296, 19066), (297, 19075), (298, 19081), (301, 19096), (303, 19099), (311, 19120), (321, 19150), (324, 19162), (330, 19195), (347, 19306), (349, 19309), (356, 19336), (358, 19342), (369, 19396), (370, 19399), (392, 19486), (394, 19501), (396, 19513), (397, 19516), (408, 19582), (412, 19606), (415, 19627), (417, 19636), (430, 19696), (431, 19699), (439, 19735), (441, 19753), (446, 19765), (448, 19774), (456, 19801), (466, 19870), (470, 19888), (472, 19897), (473, 19909), (478, 19945), (482, 19975), (488, 19996), (495, 20020), (498, 20056), (504, 20110), (515, 20170), (520, 20212), (533, 20290), (542, 20347), (546, 20371), (553, 20425), (558, 20473), (568, 20515), (570, 20539), (571, 20542),

Gene: Kumao_30 Start: 23701, Stop: 26268, Start Num: 28

Candidate Starts for Kumao_30:

(Start: 28 @23701 has 6 MA's), (48, 23767), (98, 23899), (109, 23923), (116, 23956), (133, 24031), (137, 24049), (152, 24100), (170, 24166), (203, 24370), (226, 24469), (236, 24502), (251, 24553), (284, 24676), (286, 24679), (330, 24856), (342, 24922), (353, 24988), (359, 25006), (363, 25021), (366, 25045), (393, 25150), (394, 25162), (418, 25300), (437, 25399), (439, 25405), (443, 25435), (455, 25477), (485, 25660), (486, 25663), (491, 25684), (492, 25690), (504, 25789), (510, 25828), (525, 25915), (541, 26014), (549, 26065), (551, 26083), (557, 26137), (570, 26212),

Gene: LaterM_27 Start: 20812, Stop: 23244, Start Num: 57

Candidate Starts for LaterM_27:

(Start: 57 @20812 has 90 MA's), (79, 20869), (95, 20911), (166, 21172), (171, 21193), (204, 21400), (212, 21433), (218, 21463), (242, 21535), (247, 21559), (264, 21604), (295, 21757), (306, 21814), (309, 21823), (319, 21859), (324, 21874), (354, 22054), (359, 22069), (373, 22138), (377, 22150), (389, 22213), (397, 22255), (405, 22294), (406, 22300), (407, 22309), (410, 22330), (423, 22390), (432, 22438), (433, 22441), (437, 22456), (447, 22498), (450, 22507), (459, 22564), (470, 22621), (472, 22630), (476, 22651), (481, 22696), (492, 22744), (504, 22840), (539, 23068), (558, 23215),

Gene: Latretium_19 Start: 18077, Stop: 20614, Start Num: 30

Candidate Starts for Latretium_19:

(Start: 25 @18065 has 3 MA's), (Start: 30 @18077 has 239 MA's), (36, 18098), (Start: 46 @18119 has 1 MA's), (60, 18158), (93, 18227), (99, 18236), (100, 18239), (105, 18257), (120, 18305), (158, 18464), (159, 18467), (168, 18497), (171, 18512), (184, 18590), (187, 18611), (188, 18614), (199, 18680), (214, 18755), (215, 18761), (217, 18779), (224, 18803), (225, 18809), (226, 18812), (236, 18845), (238, 18851), (245, 18881), (255, 18902), (264, 18932), (266, 18941), (291, 19049), (295, 19070), (296, 19073), (297, 19082), (298, 19088), (301, 19103), (303, 19106), (311, 19127), (324, 19169), (330, 19202), (356, 19343), (358, 19349), (369, 19403), (370, 19406), (377, 19433), (394, 19508), (396, 19520), (397, 19523), (408, 19589), (412, 19613), (415, 19634), (417, 19643), (430, 19703), (431, 19706), (439, 19742), (441, 19760), (448, 19781), (456, 19808), (465, 19865), (466, 19877), (470, 19895), (472, 19904), (473, 19916), (478, 19952), (482, 19982), (498, 20063), (504, 20117), (515, 20177), (520, 20219), (542, 20354), (546, 20378), (553, 20432), (568, 20522), (570, 20546), (571, 20549),

Gene: LeMond_26 Start: 20112, Stop: 22571, Start Num: 57

Candidate Starts for LeMond_26:

(Start: 57 @20112 has 90 MA's), (76, 20160), (117, 20283), (130, 20340), (132, 20352), (158, 20445), (165, 20469), (177, 20520), (202, 20682), (225, 20793), (235, 20832), (242, 20856), (276, 20979), (291, 21051), (308, 21138), (328, 21219), (344, 21321), (354, 21375), (368, 21435), (385, 21513), (386, 21525), (389, 21534), (397, 21576), (405, 21621), (407, 21636), (425, 21723), (429, 21747), (445, 21819), (458, 21876), (476, 21987), (478, 22011), (481, 22032), (493, 22083), (509, 22212), (528, 22317), (558, 22542),

Gene: Lemuria_23 Start: 20578, Stop: 23055, Start Num: 19

Candidate Starts for Lemuria_23:

(Start: 19 @20578 has 11 MA's), (55, 20686), (68, 20722), (76, 20740), (168, 21052), (213, 21295), (234, 21340), (267, 21442), (271, 21457), (287, 21523), (290, 21538), (299, 21589), (310, 21625), (328, 21691), (333, 21718), (369, 21916), (383, 21991), (426, 22216), (438, 22276), (449, 22321), (476, 22459), (493, 22555), (510, 22693), (556, 22993),

Gene: Leozinho_19 Start: 17243, Stop: 19780, Start Num: 30

Candidate Starts for Leozinho_19:

(Start: 25 @17231 has 3 MA's), (Start: 30 @17243 has 239 MA's), (36, 17264), (Start: 46 @17285 has 1 MA's), (60, 17324), (93, 17393), (99, 17402), (100, 17405), (105, 17423), (115, 17456), (120, 17471), (131, 17519), (158, 17630), (159, 17633), (168, 17663), (170, 17675), (171, 17678), (184, 17756), (188, 17780), (199, 17846), (206, 17891), (214, 17921), (215, 17927), (217, 17945), (224, 17969), (226, 17978), (236, 18011), (238, 18017), (245, 18047), (260, 18086), (264, 18098), (266, 18107), (270, 18122), (271, 18125), (295, 18236), (296, 18239), (297, 18248), (298, 18254), (301, 18269), (303, 18272), (311, 18293), (321, 18323), (324, 18335), (330, 18368), (347, 18479), (349, 18482), (356, 18509), (358, 18515), (369, 18569), (370, 18572), (394, 18674), (396, 18686), (397, 18689), (408, 18755), (412, 18779), (415, 18800), (417, 18809), (430, 18869), (431, 18872), (439, 18908), (441, 18926), (446, 18938), (448, 18947), (456, 18974), (466, 19043), (470, 19061), (472, 19070), (473, 19082), (478, 19118), (482, 19148), (488, 19169), (495, 19193), (498, 19229), (504, 19283),

(515, 19343), (520, 19385), (533, 19463), (542, 19520), (546, 19544), (553, 19598), (558, 19646), (568, 19688), (570, 19712), (571, 19715),

Gene: Leperchaun_18 Start: 17387, Stop: 19939, Start Num: 30

Candidate Starts for Leperchaun_18:

(Start: 30 @17387 has 239 MA's), (36, 17408), (Start: 46 @17429 has 1 MA's), (60, 17468), (93, 17537), (99, 17546), (100, 17549), (105, 17567), (115, 17600), (120, 17615), (131, 17663), (158, 17774), (159, 17777), (169, 17810), (170, 17819), (171, 17822), (184, 17900), (194, 17966), (200, 17999), (210, 18053), (214, 18065), (224, 18113), (226, 18122), (229, 18131), (239, 18164), (254, 18206), (259, 18221), (268, 18251), (269, 18257), (270, 18260), (271, 18263), (277, 18290), (282, 18311), (290, 18344), (297, 18386), (298, 18392), (299, 18395), (301, 18407), (303, 18410), (312, 18437), (321, 18461), (324, 18473), (330, 18506), (334, 18527), (345, 18599), (349, 18620), (375, 18731), (382, 18755), (383, 18758), (388, 18782), (394, 18812), (399, 18836), (405, 18872), (406, 18878), (407, 18887), (422, 18977), (426, 19001), (427, 19016), (437, 19058), (439, 19064), (451, 19109), (467, 19205), (470, 19220), (472, 19229), (476, 19253), (486, 19316), (540, 19658), (546, 19703), (558, 19805),

Gene: LilMcDreamy_27 Start: 29183, Stop: 31675, Start Num: 19

Candidate Starts for LilMcDreamy_27:

(Start: 19 @29183 has 11 MA's), (47, 29261), (71, 29336), (216, 29906), (226, 29930), (260, 30029), (267, 30053), (269, 30062), (277, 30095), (280, 30113), (292, 30161), (323, 30275), (328, 30302), (335, 30341), (348, 30437), (354, 30461), (369, 30527), (389, 30623), (396, 30662), (424, 30806), (432, 30857), (440, 30896), (442, 30905), (455, 30950), (474, 31061), (493, 31172), (504, 31271), (530, 31430), (544, 31532), (556, 31613),

Gene: LilMoolah_18 Start: 17531, Stop: 20056, Start Num: 30

Candidate Starts for LilMoolah_18:

(Start: 30 @17531 has 239 MA's), (36, 17552), (Start: 46 @17573 has 1 MA's), (60, 17612), (93, 17681), (99, 17690), (100, 17693), (105, 17711), (120, 17759), (131, 17807), (158, 17918), (159, 17921), (169, 17954), (171, 17966), (184, 18044), (194, 18110), (200, 18143), (210, 18197), (214, 18209), (225, 18263), (226, 18266), (229, 18275), (239, 18308), (252, 18347), (254, 18350), (259, 18365), (260, 18368), (268, 18395), (269, 18401), (270, 18404), (271, 18407), (277, 18434), (280, 18452), (282, 18455), (297, 18530), (301, 18551), (303, 18554), (312, 18581), (321, 18605), (330, 18650), (331, 18653), (339, 18704), (349, 18767), (351, 18776), (357, 18800), (383, 18905), (384, 18908), (394, 18959), (395, 18965), (396, 18971), (397, 18974), (405, 19019), (407, 19034), (411, 19061), (415, 19085), (426, 19136), (430, 19154), (431, 19157), (432, 19169), (446, 19223), (470, 19346), (479, 19409), (493, 19472), (500, 19547), (534, 19748), (567, 19958), (573, 19997), (574, 20000),

Gene: Lilac_28 Start: 21781, Stop: 24177, Start Num: 66

Candidate Starts for Lilac_28:

(Start: 66 @21781 has 122 MA's), (128, 21958), (132, 21979), (178, 22126), (205, 22300), (214, 22333), (220, 22369), (245, 22462), (266, 22522), (271, 22540), (299, 22672), (313, 22717), (342, 22849), (347, 22894), (365, 22954), (391, 23068), (394, 23089), (402, 23128), (405, 23149), (407, 23164), (437, 23314), (439, 23320), (441, 23338), (457, 23392), (470, 23476), (486, 23569), (527, 23815), (558, 24031), (571, 24115), (577, 24148),

Gene: Lilizi_28 Start: 21989, Stop: 24385, Start Num: 66

Candidate Starts for Lilizi_28:

(Start: 66 @21989 has 122 MA's), (128, 22166), (132, 22187), (178, 22334), (205, 22508), (214, 22541), (220, 22577), (245, 22670), (266, 22730), (271, 22748), (299, 22880), (313, 22925), (342, 23057), (347, 23102), (365, 23162), (391, 23276), (394, 23297), (402, 23336), (405, 23357), (407, 23372), (437, 23522), (439, 23528), (441, 23546), (457, 23600), (470, 23684), (486, 23777), (527,

24023), (558, 24239), (571, 24323), (577, 24356),

Gene: Lilpickle_25 Start: 21491, Stop: 23887, Start Num: 66

Candidate Starts for Lilpickle_25:

(Start: 66 @21491 has 122 MA's), (128, 21668), (132, 21689), (178, 21836), (205, 22010), (214, 22043), (220, 22079), (245, 22172), (266, 22232), (271, 22250), (299, 22382), (313, 22427), (342, 22559), (347, 22604), (365, 22664), (391, 22778), (394, 22799), (402, 22838), (405, 22859), (407, 22874), (437, 23024), (439, 23030), (441, 23048), (457, 23102), (470, 23186), (486, 23279), (527, 23525), (558, 23741), (571, 23825), (577, 23858),

Gene: LindNT_27 Start: 20846, Stop: 23278, Start Num: 57

Candidate Starts for LindNT_27:

(Start: 57 @20846 has 90 MA's), (95, 20945), (166, 21206), (204, 21434), (212, 21467), (218, 21497), (242, 21569), (247, 21593), (264, 21638), (295, 21791), (302, 21836), (306, 21848), (309, 21857), (319, 21893), (324, 21908), (354, 22088), (359, 22103), (373, 22172), (377, 22184), (389, 22247), (397, 22289), (405, 22328), (406, 22334), (407, 22343), (410, 22364), (423, 22424), (450, 22541), (458, 22583), (470, 22655), (472, 22664), (476, 22685), (487, 22757), (492, 22778), (504, 22874), (539, 23102), (558, 23249),

Gene: LittleE_39 Start: 30972, Stop: 33527, Start Num: 30

Candidate Starts for LittleE_39:

(Start: 30 @30972 has 239 MA's), (105, 31167), (115, 31203), (120, 31218), (131, 31266), (158, 31377), (159, 31380), (168, 31410), (171, 31425), (184, 31503), (188, 31527), (199, 31593), (206, 31638), (214, 31668), (215, 31674), (217, 31692), (224, 31716), (226, 31725), (236, 31758), (238, 31764), (245, 31794), (260, 31833), (264, 31845), (266, 31854), (270, 31869), (271, 31872), (295, 31983), (296, 31986), (297, 31995), (298, 32001), (301, 32016), (303, 32019), (321, 32070), (324, 32082), (330, 32115), (342, 32181), (347, 32226), (349, 32229), (356, 32256), (358, 32262), (369, 32316), (370, 32319), (392, 32406), (394, 32421), (396, 32433), (397, 32436), (408, 32502), (415, 32547), (417, 32556), (430, 32616), (431, 32619), (439, 32655), (441, 32673), (446, 32685), (448, 32694), (456, 32721), (466, 32790), (470, 32808), (472, 32817), (473, 32829), (478, 32865), (482, 32895), (488, 32916), (495, 32940), (498, 32976), (504, 33030), (515, 33090), (520, 33132), (542, 33267), (546, 33291), (553, 33345), (558, 33393), (568, 33435), (570, 33459), (571, 33462),

Gene: LittleShirley_19 Start: 17218, Stop: 19755, Start Num: 30

Candidate Starts for LittleShirley_19:

(Start: 30 @17218 has 239 MA's), (36, 17239), (Start: 46 @17260 has 1 MA's), (60, 17299), (93, 17368), (99, 17377), (100, 17380), (105, 17398), (120, 17446), (157, 17599), (159, 17608), (171, 17653), (187, 17752), (188, 17755), (199, 17821), (214, 17896), (215, 17902), (217, 17920), (224, 17944), (225, 17950), (226, 17953), (236, 17986), (238, 17992), (245, 18022), (255, 18043), (264, 18073), (266, 18082), (270, 18097), (271, 18100), (295, 18211), (296, 18214), (297, 18223), (298, 18229), (301, 18244), (303, 18247), (311, 18268), (321, 18298), (324, 18310), (330, 18343), (347, 18454), (349, 18457), (356, 18484), (358, 18490), (369, 18544), (370, 18547), (394, 18649), (396, 18661), (397, 18664), (408, 18730), (412, 18754), (415, 18775), (417, 18784), (430, 18844), (431, 18847), (439, 18883), (441, 18901), (446, 18913), (448, 18922), (456, 18949), (465, 19006), (466, 19018), (470, 19036), (472, 19045), (473, 19057), (478, 19093), (482, 19123), (486, 19132), (488, 19144), (498, 19204), (504, 19258), (515, 19318), (520, 19360), (542, 19495), (546, 19519), (553, 19573), (558, 19621), (568, 19663), (570, 19687), (571, 19690),

Gene: Lizziana_18 Start: 17406, Stop: 19931, Start Num: 30

Candidate Starts for Lizziana_18:

(Start: 30 @17406 has 239 MA's), (60, 17487), (93, 17556), (99, 17565), (100, 17568), (105, 17586), (120, 17634), (130, 17679), (158, 17793), (159, 17796), (163, 17808), (169, 17829), (170, 17838), (171, 17841), (181, 17889), (184, 17919), (194, 17985), (200, 18018), (206, 18054), (211, 18078),

(225, 18138), (226, 18141), (232, 18159), (252, 18222), (254, 18225), (260, 18243), (266, 18264), (271, 18282), (277, 18309), (282, 18330), (290, 18363), (298, 18411), (299, 18414), (301, 18426), (303, 18429), (312, 18456), (321, 18480), (330, 18525), (351, 18651), (357, 18675), (384, 18783), (394, 18834), (396, 18846), (397, 18849), (405, 18894), (407, 18909), (411, 18936), (415, 18960), (426, 19011), (430, 19029), (431, 19032), (432, 19044), (446, 19098), (457, 19140), (479, 19284), (491, 19338), (492, 19344), (493, 19347), (496, 19383), (497, 19386), (499, 19395), (500, 19422), (534, 19623), (558, 19794), (567, 19833), (573, 19872), (574, 19875),

Gene: Llama_18 Start: 17634, Stop: 20171, Start Num: 30

Candidate Starts for Llama_18:

(Start: 30 @17634 has 239 MA's), (36, 17655), (Start: 46 @17676 has 1 MA's), (60, 17715), (93, 17784), (99, 17793), (100, 17796), (105, 17814), (120, 17862), (158, 18021), (159, 18024), (170, 18066), (171, 18069), (184, 18147), (187, 18168), (188, 18171), (199, 18237), (200, 18246), (206, 18282), (214, 18312), (215, 18318), (224, 18360), (225, 18366), (226, 18369), (236, 18402), (238, 18408), (245, 18438), (255, 18459), (264, 18489), (266, 18498), (291, 18606), (294, 18618), (295, 18627), (296, 18630), (297, 18639), (298, 18645), (301, 18660), (303, 18663), (311, 18684), (324, 18726), (330, 18759), (356, 18900), (358, 18906), (369, 18960), (370, 18963), (377, 18990), (394, 19065), (396, 19077), (397, 19080), (408, 19146), (411, 19167), (412, 19170), (415, 19191), (426, 19242), (430, 19260), (431, 19263), (437, 19293), (441, 19317), (446, 19329), (466, 19434), (470, 19452), (472, 19461), (473, 19473), (478, 19509), (482, 19539), (488, 19560), (495, 19584), (498, 19620), (515, 19734), (520, 19776), (533, 19854), (542, 19911), (546, 19935), (553, 19989), (558, 20037), (568, 20079), (570, 20103), (571, 20106),

Gene: Llij_18 Start: 17383, Stop: 19920, Start Num: 30

Candidate Starts for Llij_18:

(Start: 30 @17383 has 239 MA's), (70, 17473), (93, 17533), (99, 17542), (100, 17545), (105, 17563), (120, 17611), (131, 17659), (157, 17764), (158, 17770), (159, 17773), (170, 17815), (171, 17818), (188, 17920), (199, 17986), (206, 18031), (214, 18061), (215, 18067), (217, 18085), (224, 18109), (226, 18118), (236, 18151), (238, 18157), (255, 18208), (260, 18226), (264, 18238), (266, 18247), (270, 18262), (272, 18268), (295, 18376), (297, 18388), (298, 18394), (301, 18409), (303, 18412), (311, 18433), (321, 18463), (324, 18475), (330, 18508), (342, 18574), (347, 18619), (349, 18622), (356, 18649), (358, 18655), (369, 18709), (370, 18712), (377, 18739), (394, 18814), (396, 18826), (397, 18829), (408, 18895), (411, 18916), (412, 18919), (417, 18949), (426, 18991), (430, 19009), (431, 19012), (437, 19042), (441, 19066), (446, 19078), (448, 19087), (466, 19183), (470, 19201), (472, 19210), (473, 19222), (482, 19288), (486, 19297), (488, 19309), (498, 19369), (520, 19525), (542, 19660), (546, 19684), (553, 19738), (565, 19807), (570, 19852), (571, 19855),

Gene: Llorens_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Llorens_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Lorde_19 Start: 17219, Stop: 19756, Start Num: 30

Candidate Starts for Lorde_19:

(Start: 25 @17207 has 3 MA's), (Start: 30 @17219 has 239 MA's), (36, 17240), (Start: 46 @17261 has 1 MA's), (60, 17300), (93, 17369), (99, 17378), (100, 17381), (105, 17399), (115, 17432), (120, 17447), (131, 17495), (157, 17600), (159, 17609), (170, 17651), (171, 17654), (184, 17732), (188, 17756), (199, 17822), (206, 17867), (214, 17897), (215, 17903), (217, 17921), (224, 17945), (226, 17954), (236, 17987), (238, 17993), (245, 18023), (260, 18062), (264, 18074), (266, 18083), (270, 18098),

(271, 18101), (295, 18212), (297, 18224), (298, 18230), (301, 18245), (303, 18248), (311, 18269), (321, 18299), (324, 18311), (330, 18344), (342, 18410), (347, 18455), (349, 18458), (356, 18485), (358, 18491), (369, 18545), (370, 18548), (377, 18575), (394, 18650), (396, 18662), (397, 18665), (408, 18731), (412, 18755), (417, 18785), (426, 18827), (430, 18845), (431, 18848), (439, 18884), (441, 18902), (448, 18923), (456, 18950), (466, 19019), (470, 19037), (472, 19046), (473, 19058), (478, 19094), (482, 19124), (486, 19133), (488, 19145), (498, 19205), (504, 19259), (515, 19319), (520, 19361), (533, 19439), (542, 19496), (546, 19520), (553, 19574), (558, 19622), (568, 19664), (570, 19688), (571, 19691),

Gene: Lucky2013_36 Start: 27869, Stop: 30376, Start Num: 30

Candidate Starts for Lucky2013_36:

(Start: 30 @27869 has 239 MA's), (105, 28064), (115, 28100), (120, 28115), (142, 28202), (148, 28217), (171, 28292), (174, 28304), (181, 28331), (196, 28436), (203, 28475), (206, 28484), (214, 28508), (215, 28514), (217, 28532), (222, 28550), (226, 28565), (229, 28574), (232, 28583), (236, 28598), (243, 28625), (245, 28634), (260, 28673), (264, 28685), (266, 28694), (287, 28778), (303, 28859), (313, 28889), (314, 28892), (324, 28922), (329, 28949), (331, 28958), (339, 29009), (340, 29018), (342, 29021), (346, 29057), (351, 29078), (361, 29114), (395, 29267), (405, 29321), (412, 29366), (414, 29384), (415, 29387), (424, 29426), (455, 29573), (457, 29582), (467, 29651), (470, 29666), (498, 29831), (507, 29918), (518, 29966), (527, 30017), (538, 30095), (572, 30317), (574, 30320), (577, 30347),

Gene: LunaBlu_19 Start: 17477, Stop: 20014, Start Num: 30

Candidate Starts for LunaBlu_19:

(Start: 30 @17477 has 239 MA's), (70, 17567), (93, 17627), (99, 17636), (100, 17639), (105, 17657), (115, 17690), (120, 17705), (131, 17753), (158, 17864), (159, 17867), (168, 17897), (171, 17912), (184, 17990), (199, 18080), (206, 18125), (214, 18155), (215, 18161), (217, 18179), (224, 18203), (226, 18212), (236, 18245), (238, 18251), (245, 18281), (260, 18320), (264, 18332), (266, 18341), (270, 18356), (271, 18359), (295, 18470), (297, 18482), (298, 18488), (301, 18503), (303, 18506), (311, 18527), (321, 18557), (324, 18569), (330, 18602), (342, 18668), (347, 18713), (349, 18716), (356, 18743), (358, 18749), (369, 18803), (370, 18806), (394, 18908), (396, 18920), (397, 18923), (408, 18989), (412, 19013), (417, 19043), (430, 19103), (431, 19106), (439, 19142), (441, 19160), (446, 19172), (448, 19181), (456, 19208), (466, 19277), (470, 19295), (472, 19304), (473, 19316), (478, 19352), (482, 19382), (488, 19403), (495, 19427), (498, 19463), (504, 19517), (515, 19577), (520, 19619), (533, 19697), (542, 19754), (546, 19778), (553, 19832), (558, 19880), (568, 19922), (570, 19946), (571, 19949),

Gene: LunaStella_20 Start: 17940, Stop: 20417, Start Num: 32

Candidate Starts for LunaStella_20:

(Start: 32 @17940 has 3 MA's), (36, 17952), (69, 18015), (81, 18042), (102, 18096), (105, 18105), (107, 18111), (115, 18138), (124, 18171), (142, 18243), (148, 18258), (159, 18294), (162, 18303), (169, 18321), (174, 18345), (180, 18369), (203, 18516), (206, 18525), (214, 18549), (217, 18573), (224, 18597), (225, 18603), (232, 18624), (238, 18645), (245, 18675), (258, 18705), (264, 18726), (287, 18819), (290, 18834), (291, 18843), (293, 18852), (295, 18864), (296, 18867), (321, 18951), (322, 18954), (324, 18963), (329, 18990), (331, 18999), (337, 19038), (340, 19059), (342, 19062), (346, 19098), (351, 19119), (369, 19197), (370, 19200), (385, 19254), (396, 19314), (410, 19401), (412, 19407), (414, 19425), (415, 19428), (424, 19464), (435, 19518), (437, 19527), (455, 19605), (458, 19623), (463, 19659), (464, 19662), (466, 19680), (467, 19683), (470, 19698), (478, 19755), (480, 19767), (495, 19830), (498, 19863), (507, 19950), (518, 19998), (519, 20022), (524, 20049), (527, 20058), (532, 20097), (538, 20136), (542, 20160), (545, 20181), (558, 20277), (565, 20298), (574, 20361), (577, 20388), (578, 20397),

Gene: Lunahalos_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Lunahalos_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: MISSy_25 Start: 21796, Stop: 24192, Start Num: 66

Candidate Starts for MISSy_25:

(Start: 66 @21796 has 122 MA's), (128, 21973), (132, 21994), (178, 22141), (200, 22282), (205, 22315), (214, 22348), (220, 22384), (245, 22477), (266, 22537), (271, 22555), (299, 22687), (313, 22732), (342, 22864), (347, 22909), (365, 22969), (391, 23083), (394, 23104), (402, 23143), (405, 23164), (407, 23179), (437, 23329), (439, 23335), (441, 23353), (457, 23407), (470, 23491), (486, 23584), (527, 23830), (558, 24046), (571, 24130), (577, 24163),

Gene: MOOREtheMARYer_23 Start: 20802, Stop: 23264, Start Num: 19

Candidate Starts for MOOREtheMARYer_23:

(Start: 19 @20802 has 11 MA's), (100, 21030), (112, 21072), (122, 21105), (149, 21210), (188, 21393), (198, 21453), (238, 21576), (248, 21615), (266, 21663), (267, 21666), (290, 21762), (294, 21783), (305, 21837), (328, 21918), (330, 21927), (335, 21954), (354, 22074), (362, 22101), (374, 22161), (385, 22209), (387, 22224), (400, 22290), (407, 22332), (426, 22425), (495, 22770), (498, 22809), (508, 22896), (519, 22968), (541, 23097), (556, 23202), (562, 23247),

Gene: MPhalcon_25 Start: 21790, Stop: 24186, Start Num: 66

Candidate Starts for MPhalcon_25:

(Start: 66 @21790 has 122 MA's), (128, 21967), (132, 21988), (178, 22135), (200, 22276), (205, 22309), (214, 22342), (220, 22378), (245, 22471), (266, 22531), (271, 22549), (299, 22681), (313, 22726), (342, 22858), (347, 22903), (365, 22963), (391, 23077), (394, 23098), (402, 23137), (405, 23158), (407, 23173), (437, 23323), (439, 23329), (441, 23347), (457, 23401), (470, 23485), (486, 23578), (527, 23824), (558, 24040), (571, 24124), (577, 24157),

Gene: MadKillah_59 Start: 35875, Stop: 38385, Start Num: 30

Candidate Starts for MadKillah_59:

(Start: 30 @35875 has 239 MA's), (39, 35908), (63, 35977), (65, 35980), (73, 36004), (81, 36028), (87, 36052), (103, 36085), (155, 36292), (158, 36304), (159, 36307), (191, 36454), (194, 36484), (199, 36508), (206, 36538), (207, 36541), (214, 36568), (217, 36592), (225, 36622), (241, 36679), (246, 36703), (260, 36739), (264, 36751), (270, 36775), (271, 36778), (279, 36820), (301, 36916), (303, 36919), (362, 37174), (394, 37318), (405, 37378), (414, 37450), (415, 37453), (436, 37549), (470, 37723), (473, 37744), (491, 37837), (494, 37849), (504, 37939), (517, 38014), (532, 38059), (564, 38260), (569, 38314), (574, 38329),

Gene: MadMen_19 Start: 17637, Stop: 20129, Start Num: 30

Candidate Starts for MadMen_19:

(Start: 30 @17637 has 239 MA's), (36, 17658), (Start: 46 @17679 has 1 MA's), (61, 17718), (93, 17787), (99, 17796), (100, 17799), (105, 17817), (115, 17850), (124, 17883), (131, 17916), (142, 17955), (148, 17970), (159, 18006), (162, 18015), (169, 18033), (174, 18057), (180, 18081), (203, 18228), (206, 18237), (214, 18261), (217, 18285), (224, 18309), (225, 18315), (232, 18336), (238, 18357), (245, 18387), (258, 18417), (264, 18438), (287, 18531), (290, 18546), (291, 18555), (295, 18576), (296, 18579), (321, 18663), (322, 18666), (324, 18675), (329, 18702), (331, 18711), (337, 18750), (340, 18771), (342, 18774), (346, 18810), (351, 18831), (369, 18909), (370, 18912), (385, 18966), (396, 19026), (412, 19119), (414, 19137), (415, 19140), (424, 19176), (435, 19230), (437, 19239), (455, 19317), (458, 19335), (463, 19371), (464, 19374), (466, 19392), (467, 19395), (470, 19410), (478, 19467), (480, 19479), (498, 19575), (507, 19662), (518, 19710), (519, 19734), (527,

19770), (532, 19809), (538, 19848), (542, 19872), (545, 19893), (558, 19989), (565, 20010), (574, 20073), (577, 20100), (578, 20109),

Gene: MadamMonkfish_26 Start: 21702, Stop: 24098, Start Num: 66

Candidate Starts for MadamMonkfish_26:

(Start: 66 @21702 has 122 MA's), (128, 21879), (132, 21900), (178, 22047), (205, 22221), (214, 22254), (220, 22290), (245, 22383), (266, 22443), (271, 22461), (299, 22593), (313, 22638), (342, 22770), (347, 22815), (365, 22875), (391, 22989), (394, 23010), (402, 23049), (405, 23070), (407, 23085), (437, 23235), (439, 23241), (441, 23259), (457, 23313), (470, 23397), (486, 23490), (527, 23736), (558, 23952), (571, 24036), (577, 24069),

Gene: Madiba_19 Start: 17273, Stop: 19762, Start Num: 30

Candidate Starts for Madiba_19:

(Start: 30 @17273 has 239 MA's), (36, 17294), (Start: 46 @17315 has 1 MA's), (61, 17354), (93, 17423), (99, 17432), (100, 17435), (105, 17453), (120, 17501), (148, 17603), (159, 17639), (161, 17645), (162, 17648), (169, 17666), (174, 17690), (180, 17714), (190, 17777), (203, 17861), (206, 17870), (214, 17894), (217, 17918), (224, 17942), (225, 17948), (232, 17969), (238, 17990), (245, 18020), (258, 18050), (264, 18071), (287, 18164), (290, 18179), (291, 18188), (295, 18209), (296, 18212), (321, 18296), (322, 18299), (324, 18308), (329, 18335), (331, 18344), (337, 18383), (340, 18404), (342, 18407), (346, 18443), (351, 18464), (369, 18542), (370, 18545), (385, 18599), (396, 18659), (412, 18752), (414, 18770), (415, 18773), (424, 18809), (435, 18863), (437, 18872), (455, 18950), (458, 18968), (463, 19004), (464, 19007), (466, 19025), (467, 19028), (470, 19043), (478, 19100), (480, 19112), (498, 19208), (507, 19295), (518, 19343), (519, 19367), (524, 19394), (527, 19403), (532, 19442), (538, 19481), (542, 19505), (545, 19526), (558, 19622), (565, 19643), (574, 19706), (577, 19733), (578, 19742),

Gene: Mahavrat_18 Start: 17394, Stop: 19931, Start Num: 30

Candidate Starts for Mahavrat_18:

(Start: 30 @17394 has 239 MA's), (36, 17415), (Start: 46 @17436 has 1 MA's), (60, 17475), (93, 17544), (99, 17553), (100, 17556), (105, 17574), (115, 17607), (120, 17622), (158, 17781), (159, 17784), (171, 17829), (184, 17907), (188, 17931), (199, 17997), (214, 18072), (215, 18078), (224, 18120), (225, 18126), (226, 18129), (236, 18162), (238, 18168), (245, 18198), (255, 18219), (264, 18249), (266, 18258), (291, 18366), (294, 18378), (295, 18387), (296, 18390), (297, 18399), (298, 18405), (301, 18420), (303, 18423), (311, 18444), (324, 18486), (330, 18519), (347, 18630), (349, 18633), (356, 18660), (358, 18666), (369, 18720), (370, 18723), (377, 18750), (380, 18759), (394, 18825), (396, 18837), (397, 18840), (408, 18906), (411, 18927), (412, 18930), (415, 18951), (426, 19002), (430, 19020), (431, 19023), (437, 19053), (441, 19077), (446, 19089), (448, 19098), (466, 19194), (470, 19212), (472, 19221), (473, 19233), (478, 19269), (482, 19299), (488, 19320), (495, 19344), (498, 19380), (515, 19494), (520, 19536), (542, 19671), (546, 19695), (553, 19749), (565, 19818), (570, 19863), (571, 19866), (573, 19872),

Gene: Manda_27 Start: 22769, Stop: 25165, Start Num: 66

Candidate Starts for Manda_27:

(Start: 66 @22769 has 122 MA's), (128, 22946), (132, 22967), (178, 23114), (200, 23255), (205, 23288), (214, 23321), (220, 23357), (245, 23450), (266, 23510), (271, 23528), (299, 23660), (313, 23705), (342, 23837), (347, 23882), (365, 23942), (391, 24056), (394, 24077), (402, 24116), (405, 24137), (407, 24152), (437, 24302), (439, 24308), (441, 24326), (457, 24380), (470, 24464), (486, 24557), (527, 24803), (558, 25019), (571, 25103), (577, 25136),

Gene: Mandlovu_18 Start: 17495, Stop: 20032, Start Num: 30

Candidate Starts for Mandlovu_18:

(Start: 30 @17495 has 239 MA's), (36, 17516), (Start: 46 @17537 has 1 MA's), (60, 17576), (93, 17645), (99, 17654), (100, 17657), (105, 17675), (120, 17723), (158, 17882), (159, 17885), (170,

17927), (171, 17930), (184, 18008), (187, 18029), (188, 18032), (199, 18098), (214, 18173), (215, 18179), (224, 18221), (225, 18227), (226, 18230), (236, 18263), (238, 18269), (245, 18299), (255, 18320), (264, 18350), (266, 18359), (291, 18467), (294, 18479), (295, 18488), (296, 18491), (297, 18500), (298, 18506), (301, 18521), (303, 18524), (311, 18545), (324, 18587), (330, 18620), (356, 18761), (358, 18767), (369, 18821), (370, 18824), (377, 18851), (394, 18926), (396, 18938), (397, 18941), (408, 19007), (412, 19031), (415, 19052), (417, 19061), (430, 19121), (431, 19124), (439, 19160), (441, 19178), (448, 19199), (456, 19226), (466, 19295), (470, 19313), (472, 19322), (473, 19334), (478, 19370), (482, 19400), (498, 19481), (515, 19595), (520, 19637), (542, 19772), (546, 19796), (553, 19850), (570, 19964), (571, 19967),

Gene: Mantra_18 Start: 17496, Stop: 20033, Start Num: 30

Candidate Starts for Mantra_18:

(Start: 30 @17496 has 239 MA's), (36, 17517), (Start: 46 @17538 has 1 MA's), (60, 17577), (93, 17646), (99, 17655), (100, 17658), (105, 17676), (120, 17724), (157, 17877), (159, 17886), (171, 17931), (187, 18030), (188, 18033), (199, 18099), (214, 18174), (215, 18180), (217, 18198), (224, 18222), (225, 18228), (226, 18231), (236, 18264), (238, 18270), (245, 18300), (255, 18321), (264, 18351), (266, 18360), (270, 18375), (271, 18378), (295, 18489), (296, 18492), (297, 18501), (298, 18507), (301, 18522), (303, 18525), (311, 18546), (321, 18576), (324, 18588), (330, 18621), (347, 18732), (349, 18735), (356, 18762), (358, 18768), (369, 18822), (370, 18825), (392, 18912), (394, 18927), (396, 18939), (397, 18942), (408, 19008), (412, 19032), (415, 19053), (417, 19062), (430, 19122), (431, 19125), (439, 19161), (441, 19179), (446, 19191), (448, 19200), (456, 19227), (465, 19284), (466, 19296), (470, 19314), (472, 19323), (473, 19335), (478, 19371), (482, 19401), (486, 19410), (488, 19422), (498, 19482), (504, 19536), (515, 19596), (520, 19638), (542, 19773), (546, 19797), (553, 19851), (558, 19899), (568, 19941), (570, 19965), (571, 19968),

Gene: Maravista_18 Start: 17343, Stop: 19880, Start Num: 30

Candidate Starts for Maravista_18:

(Start: 25 @17331 has 3 MA's), (Start: 30 @17343 has 239 MA's), (36, 17364), (Start: 46 @17385 has 1 MA's), (60, 17424), (93, 17493), (99, 17502), (100, 17505), (105, 17523), (115, 17556), (120, 17571), (131, 17619), (158, 17730), (159, 17733), (168, 17763), (170, 17775), (171, 17778), (184, 17856), (188, 17880), (199, 17946), (206, 17991), (214, 18021), (215, 18027), (217, 18045), (224, 18069), (226, 18078), (236, 18111), (238, 18117), (245, 18147), (260, 18186), (264, 18198), (266, 18207), (270, 18222), (271, 18225), (295, 18336), (296, 18339), (297, 18348), (298, 18354), (301, 18369), (303, 18372), (311, 18393), (321, 18423), (324, 18435), (330, 18468), (347, 18579), (349, 18582), (356, 18609), (358, 18615), (369, 18669), (370, 18672), (394, 18774), (396, 18786), (397, 18789), (408, 18855), (412, 18879), (415, 18900), (417, 18909), (430, 18969), (431, 18972), (439, 19008), (441, 19026), (446, 19038), (448, 19047), (456, 19074), (466, 19143), (470, 19161), (472, 19170), (473, 19182), (478, 19218), (482, 19248), (488, 19269), (495, 19293), (498, 19329), (504, 19383), (515, 19443), (520, 19485), (542, 19620), (546, 19644), (553, 19698), (558, 19746), (565, 19767), (568, 19788), (570, 19812), (571, 19815),

Gene: MarkPhew_27 Start: 19997, Stop: 22450, Start Num: 57

Candidate Starts for MarkPhew_27:

(Start: 57 @19997 has 90 MA's), (76, 20045), (117, 20168), (130, 20225), (132, 20237), (165, 20354), (177, 20405), (196, 20534), (202, 20567), (225, 20678), (228, 20687), (230, 20696), (235, 20717), (247, 20765), (276, 20867), (308, 21026), (328, 21107), (344, 21209), (386, 21413), (389, 21422), (397, 21464), (405, 21509), (407, 21524), (445, 21707), (458, 21764), (476, 21866), (478, 21890), (489, 21947), (493, 21962), (509, 22091), (528, 22196), (557, 22415),

Gene: Marker_19 Start: 17246, Stop: 19783, Start Num: 30

Candidate Starts for Marker_19:

(Start: 30 @17246 has 239 MA's), (36, 17267), (Start: 46 @17288 has 1 MA's), (60, 17327), (93, 17396), (99, 17405), (100, 17408), (105, 17426), (120, 17474), (157, 17627), (159, 17636), (171,

17681), (187, 17780), (188, 17783), (199, 17849), (214, 17924), (215, 17930), (217, 17948), (224, 17972), (226, 17981), (236, 18014), (238, 18020), (245, 18050), (255, 18071), (260, 18089), (264, 18101), (266, 18110), (270, 18125), (271, 18128), (295, 18239), (296, 18242), (297, 18251), (298, 18257), (301, 18272), (303, 18275), (311, 18296), (321, 18326), (324, 18338), (330, 18371), (347, 18482), (349, 18485), (356, 18512), (358, 18518), (369, 18572), (370, 18575), (383, 18623), (392, 18662), (394, 18677), (396, 18689), (397, 18692), (401, 18713), (408, 18758), (412, 18782), (417, 18812), (426, 18854), (430, 18872), (431, 18875), (439, 18911), (441, 18929), (446, 18941), (448, 18950), (457, 18983), (466, 19046), (470, 19064), (472, 19073), (473, 19085), (482, 19151), (488, 19172), (495, 19196), (498, 19232), (504, 19286), (515, 19346), (520, 19388), (533, 19466), (542, 19523), (546, 19547), (553, 19601), (558, 19649), (568, 19691), (570, 19715), (571, 19718),

Gene: Marshawn_28 Start: 20676, Stop: 23132, Start Num: 57

Candidate Starts for Marshawn_28:

(Start: 57 @20676 has 90 MA's), (68, 20703), (95, 20775), (117, 20847), (130, 20904), (132, 20916), (141, 20949), (160, 21015), (165, 21033), (171, 21057), (172, 21060), (177, 21084), (186, 21156), (202, 21246), (209, 21282), (228, 21366), (242, 21420), (247, 21441), (249, 21447), (264, 21486), (276, 21543), (308, 21702), (318, 21741), (328, 21783), (332, 21801), (344, 21885), (348, 21915), (354, 21939), (364, 21972), (366, 21993), (385, 22077), (389, 22098), (397, 22140), (406, 22191), (407, 22200), (412, 22227), (425, 22287), (439, 22353), (441, 22374), (445, 22383), (457, 22431), (462, 22470), (470, 22515), (476, 22545), (481, 22590), (493, 22641), (495, 22647), (509, 22770), (521, 22839), (529, 22881), (555, 23067), (557, 23097),

Gene: Marshmallow_26 Start: 22283, Stop: 24679, Start Num: 66

Candidate Starts for Marshmallow_26:

(Start: 66 @22283 has 122 MA's), (128, 22460), (132, 22481), (178, 22628), (200, 22769), (205, 22802), (214, 22835), (220, 22871), (245, 22964), (266, 23024), (271, 23042), (290, 23123), (342, 23351), (347, 23396), (394, 23591), (395, 23597), (397, 23606), (405, 23651), (407, 23666), (439, 23822), (441, 23840), (444, 23849), (470, 23978), (471, 23981), (503, 24191), (505, 24203), (527, 24317), (558, 24533), (571, 24617), (575, 24641), (577, 24650),

Gene: Martik_18 Start: 17406, Stop: 19958, Start Num: 30

Candidate Starts for Martik_18:

(Start: 30 @17406 has 239 MA's), (60, 17487), (93, 17556), (99, 17565), (100, 17568), (105, 17586), (120, 17634), (130, 17679), (158, 17793), (159, 17796), (163, 17808), (169, 17829), (170, 17838), (171, 17841), (181, 17889), (184, 17919), (194, 17985), (200, 18018), (206, 18054), (211, 18078), (225, 18138), (226, 18141), (232, 18159), (252, 18222), (254, 18225), (260, 18243), (266, 18264), (271, 18282), (277, 18309), (282, 18330), (290, 18363), (297, 18405), (298, 18411), (299, 18414), (303, 18429), (312, 18456), (313, 18459), (321, 18480), (324, 18492), (330, 18525), (345, 18618), (369, 18726), (375, 18750), (377, 18756), (382, 18774), (383, 18777), (388, 18801), (394, 18831), (399, 18855), (405, 18891), (406, 18897), (407, 18906), (411, 18933), (422, 18996), (426, 19020), (427, 19035), (437, 19077), (451, 19128), (467, 19224), (470, 19239), (472, 19248), (476, 19272), (486, 19335), (495, 19371), (540, 19677), (546, 19722), (558, 19824),

Gene: MaryV_43 Start: 28332, Stop: 30899, Start Num: 28

Candidate Starts for MaryV_43:

(Start: 28 @28332 has 6 MA's), (48, 28401), (92, 28524), (96, 28530), (98, 28533), (109, 28557), (113, 28578), (152, 28734), (154, 28740), (156, 28746), (164, 28776), (166, 28782), (171, 28803), (173, 28812), (183, 28872), (195, 28950), (215, 29049), (221, 29082), (225, 29097), (226, 29100), (238, 29139), (255, 29190), (260, 29208), (266, 29229), (268, 29235), (275, 29262), (279, 29289), (295, 29358), (300, 29382), (307, 29403), (313, 29424), (317, 29433), (324, 29454), (330, 29487), (331, 29490), (339, 29541), (342, 29553), (353, 29619), (359, 29637), (366, 29676), (394, 29793), (403, 29838), (411, 29895), (415, 29919), (417, 29928), (421, 29946), (430, 29991), (437, 30024), (443, 30060), (477, 30234), (478, 30252), (479, 30258), (492, 30315), (541, 30639), (543, 30657), (551,

30708), (559, 30771), (570, 30846),

Gene: Mattes_18 Start: 17397, Stop: 19922, Start Num: 30

Candidate Starts for Mattes_18:

(Start: 30 @17397 has 239 MA's), (36, 17418), (Start: 46 @17439 has 1 MA's), (60, 17478), (93, 17547), (99, 17556), (100, 17559), (105, 17577), (120, 17625), (131, 17673), (158, 17784), (159, 17787), (169, 17820), (171, 17832), (184, 17910), (194, 17976), (200, 18009), (210, 18063), (214, 18075), (225, 18129), (226, 18132), (229, 18141), (239, 18174), (252, 18213), (254, 18216), (259, 18231), (260, 18234), (268, 18261), (269, 18267), (270, 18270), (271, 18273), (277, 18300), (280, 18318), (282, 18321), (297, 18396), (301, 18417), (303, 18420), (312, 18447), (321, 18471), (330, 18516), (331, 18519), (339, 18570), (349, 18633), (351, 18642), (357, 18666), (383, 18771), (384, 18774), (394, 18825), (395, 18831), (396, 18837), (397, 18840), (405, 18885), (407, 18900), (411, 18927), (415, 18951), (426, 19002), (430, 19020), (431, 19023), (432, 19035), (446, 19089), (470, 19212), (479, 19275), (493, 19338), (500, 19413), (534, 19614), (567, 19824), (573, 19863), (574, 19866),

Gene: Maxxinista_27 Start: 21751, Stop: 24147, Start Num: 66

Candidate Starts for Maxxinista_27:

(Start: 66 @21751 has 122 MA's), (128, 21928), (132, 21949), (178, 22096), (205, 22270), (214, 22303), (220, 22339), (245, 22432), (266, 22492), (271, 22510), (299, 22642), (313, 22687), (342, 22819), (347, 22864), (365, 22924), (391, 23038), (394, 23059), (402, 23098), (405, 23119), (407, 23134), (437, 23284), (439, 23290), (441, 23308), (457, 23362), (470, 23446), (486, 23539), (527, 23785), (558, 24001), (571, 24085), (577, 24118),

Gene: MeaningOfLife_27 Start: 20848, Stop: 23280, Start Num: 57

Candidate Starts for MeaningOfLife_27:

(Start: 57 @20848 has 90 MA's), (95, 20947), (132, 21088), (166, 21208), (171, 21229), (204, 21436), (212, 21469), (218, 21499), (242, 21571), (247, 21595), (295, 21793), (302, 21838), (306, 21850), (309, 21859), (324, 21910), (354, 22090), (359, 22105), (373, 22174), (377, 22186), (389, 22249), (397, 22291), (405, 22330), (406, 22336), (407, 22345), (410, 22366), (423, 22426), (450, 22543), (458, 22585), (470, 22657), (472, 22666), (476, 22687), (487, 22759), (492, 22780), (504, 22876), (515, 22939), (527, 23023), (533, 23065), (539, 23104),

Gene: Megatron06_31 Start: 26215, Stop: 29058, Start Num: 2

Candidate Starts for Megatron06_31:

(Start: 2 @26215 has 8 MA's), (10, 26347), (11, 26359), (13, 26368), (24, 26437), (27, 26443), (47, 26503), (51, 26524), (68, 26572), (82, 26614), (90, 26638), (105, 26671), (114, 26707), (118, 26719), (139, 26812), (156, 26869), (167, 26908), (190, 27034), (200, 27103), (204, 27133), (215, 27175), (226, 27226), (255, 27316), (260, 27334), (279, 27415), (290, 27454), (294, 27475), (330, 27613), (336, 27652), (346, 27715), (370, 27817), (414, 28042), (483, 28405), (491, 28432), (528, 28675), (531, 28708), (535, 28732), (552, 28852), (566, 28930), (577, 29017), (579, 29032), (580, 29038),

Gene: Megsy_27 Start: 20849, Stop: 23281, Start Num: 57

Candidate Starts for Megsy_27:

(Start: 57 @20849 has 90 MA's), (95, 20948), (166, 21209), (204, 21437), (212, 21470), (218, 21500), (242, 21572), (247, 21596), (295, 21794), (302, 21839), (306, 21851), (309, 21860), (324, 21911), (354, 22091), (359, 22106), (373, 22175), (377, 22187), (389, 22250), (397, 22292), (405, 22331), (406, 22337), (407, 22346), (410, 22367), (423, 22427), (450, 22544), (458, 22586), (470, 22658), (472, 22667), (476, 22688), (487, 22760), (492, 22781), (504, 22877), (539, 23105), (558, 23252),

Gene: Melissauren88_18 Start: 17470, Stop: 19965, Start Num: 46

Candidate Starts for Melissauren88_18:

(Start: 25 @17416 has 3 MA's), (Start: 30 @17428 has 239 MA's), (36, 17449), (Start: 46 @17470 has 1 MA's), (60, 17509), (93, 17578), (99, 17587), (100, 17590), (105, 17608), (115, 17641), (120, 17656), (131, 17704), (158, 17815), (159, 17818), (168, 17848), (170, 17860), (171, 17863), (184, 17941), (188, 17965), (199, 18031), (206, 18076), (214, 18106), (215, 18112), (217, 18130), (224, 18154), (226, 18163), (236, 18196), (238, 18202), (245, 18232), (260, 18271), (264, 18283), (266, 18292), (270, 18307), (271, 18310), (295, 18421), (296, 18424), (297, 18433), (298, 18439), (301, 18454), (303, 18457), (311, 18478), (321, 18508), (324, 18520), (330, 18553), (347, 18664), (349, 18667), (356, 18694), (358, 18700), (369, 18754), (370, 18757), (392, 18844), (394, 18859), (396, 18871), (397, 18874), (408, 18940), (412, 18964), (415, 18985), (417, 18994), (430, 19054), (431, 19057), (439, 19093), (441, 19111), (446, 19123), (448, 19132), (456, 19159), (466, 19228), (470, 19246), (472, 19255), (473, 19267), (478, 19303), (482, 19333), (488, 19354), (495, 19378), (498, 19414), (504, 19468), (515, 19528), (520, 19570), (533, 19648), (542, 19705), (546, 19729), (553, 19783), (558, 19831), (568, 19873), (570, 19897), (571, 19900),

Gene: Mercurio_24 Start: 21194, Stop: 23665, Start Num: 19

Candidate Starts for Mercurio_24:

(Start: 19 @21194 has 11 MA's), (40, 21260), (55, 21302), (94, 21410), (132, 21533), (149, 21596), (170, 21674), (213, 21905), (227, 21938), (234, 21950), (267, 22052), (277, 22094), (287, 22133), (290, 22148), (299, 22199), (310, 22235), (328, 22301), (333, 22328), (369, 22526), (383, 22601), (387, 22622), (407, 22730), (413, 22775), (426, 22826), (430, 22850), (438, 22886), (441, 22910), (449, 22931), (476, 23069), (493, 23165), (510, 23303),

Gene: MiaZeal_36 Start: 27554, Stop: 30061, Start Num: 30

Candidate Starts for MiaZeal_36:

(Start: 30 @27554 has 239 MA's), (105, 27749), (115, 27785), (120, 27800), (142, 27887), (148, 27902), (171, 27977), (174, 27989), (181, 28016), (196, 28121), (203, 28160), (206, 28169), (214, 28193), (215, 28199), (217, 28217), (226, 28250), (229, 28259), (232, 28268), (236, 28283), (243, 28310), (245, 28319), (260, 28358), (264, 28370), (266, 28379), (287, 28463), (303, 28544), (313, 28574), (314, 28577), (324, 28607), (329, 28634), (331, 28643), (339, 28694), (340, 28703), (342, 28706), (346, 28742), (351, 28763), (361, 28799), (395, 28952), (405, 29006), (412, 29051), (414, 29069), (415, 29072), (424, 29111), (455, 29258), (457, 29267), (467, 29336), (470, 29351), (498, 29516), (507, 29603), (518, 29651), (527, 29702), (538, 29780), (572, 30002), (574, 30005), (577, 30032),

Gene: MilleniumForce_19 Start: 18211, Stop: 20748, Start Num: 30

Candidate Starts for MilleniumForce_19:

(Start: 25 @18199 has 3 MA's), (Start: 30 @18211 has 239 MA's), (36, 18232), (Start: 46 @18253 has 1 MA's), (60, 18292), (93, 18361), (99, 18370), (100, 18373), (105, 18391), (115, 18424), (120, 18439), (131, 18487), (158, 18598), (159, 18601), (168, 18631), (170, 18643), (171, 18646), (184, 18724), (188, 18748), (199, 18814), (206, 18859), (214, 18889), (215, 18895), (217, 18913), (224, 18937), (226, 18946), (236, 18979), (238, 18985), (245, 19015), (260, 19054), (264, 19066), (266, 19075), (270, 19090), (271, 19093), (295, 19204), (296, 19207), (297, 19216), (298, 19222), (301, 19237), (303, 19240), (311, 19261), (321, 19291), (324, 19303), (330, 19336), (347, 19447), (349, 19450), (356, 19477), (358, 19483), (369, 19537), (370, 19540), (394, 19642), (396, 19654), (397, 19657), (408, 19723), (412, 19747), (415, 19768), (417, 19777), (430, 19837), (431, 19840), (439, 19876), (441, 19894), (446, 19906), (448, 19915), (456, 19942), (466, 20011), (470, 20029), (472, 20038), (473, 20050), (478, 20086), (482, 20116), (488, 20137), (495, 20161), (498, 20197), (504, 20251), (515, 20311), (520, 20353), (533, 20431), (542, 20488), (546, 20512), (553, 20566), (558, 20614), (568, 20656), (570, 20680), (571, 20683),

Gene: Mindy_26 Start: 22062, Stop: 24458, Start Num: 66

Candidate Starts for Mindy_26:

(Start: 66 @22062 has 122 MA's), (128, 22239), (132, 22260), (178, 22407), (200, 22548), (205, 22581), (214, 22614), (220, 22650), (245, 22743), (266, 22803), (271, 22821), (307, 22977), (313, 22998), (339, 23118), (342, 23130), (347, 23175), (394, 23370), (397, 23385), (405, 23430), (407, 23445), (439, 23601), (441, 23619), (444, 23628), (470, 23757), (471, 23760), (503, 23970), (505, 23982), (527, 24096), (558, 24312), (571, 24396), (575, 24420), (577, 24429),

Gene: Minerva_39 Start: 31221, Stop: 33764, Start Num: 30

Candidate Starts for Minerva_39:

(17, 31164), (Start: 30 @31221 has 239 MA's), (104, 31410), (120, 31467), (130, 31512), (158, 31626), (159, 31629), (165, 31650), (169, 31662), (171, 31674), (184, 31752), (194, 31818), (200, 31851), (206, 31887), (211, 31911), (225, 31971), (226, 31974), (232, 31992), (252, 32055), (254, 32058), (260, 32076), (266, 32097), (271, 32115), (277, 32142), (282, 32163), (290, 32196), (298, 32244), (299, 32247), (303, 32262), (312, 32289), (321, 32313), (330, 32358), (351, 32484), (369, 32562), (384, 32616), (394, 32667), (395, 32673), (396, 32679), (397, 32682), (405, 32727), (407, 32742), (411, 32769), (415, 32793), (426, 32844), (430, 32862), (431, 32865), (432, 32877), (446, 32931), (457, 32973), (479, 33117), (491, 33171), (492, 33177), (493, 33180), (496, 33216), (497, 33219), (499, 33228), (500, 33255), (534, 33456), (558, 33627), (567, 33666), (574, 33708),

Gene: MinionDave_19 Start: 18080, Stop: 20617, Start Num: 30

Candidate Starts for MinionDave_19:

(Start: 30 @18080 has 239 MA's), (70, 18170), (93, 18230), (99, 18239), (100, 18242), (105, 18260), (115, 18293), (120, 18308), (131, 18356), (158, 18467), (159, 18470), (168, 18500), (170, 18512), (171, 18515), (184, 18593), (188, 18617), (199, 18683), (206, 18728), (214, 18758), (215, 18764), (217, 18782), (224, 18806), (226, 18815), (236, 18848), (238, 18854), (245, 18884), (260, 18923), (264, 18935), (266, 18944), (270, 18959), (271, 18962), (295, 19073), (296, 19076), (297, 19085), (298, 19091), (301, 19106), (303, 19109), (311, 19130), (321, 19160), (324, 19172), (330, 19205), (347, 19316), (349, 19319), (356, 19346), (358, 19352), (369, 19406), (370, 19409), (392, 19496), (394, 19511), (396, 19523), (397, 19526), (408, 19592), (412, 19616), (415, 19637), (417, 19646), (430, 19706), (431, 19709), (439, 19745), (441, 19763), (446, 19775), (448, 19784), (456, 19811), (466, 19880), (470, 19898), (472, 19907), (473, 19919), (478, 19955), (482, 19985), (488, 20006), (495, 20030), (498, 20066), (504, 20120), (515, 20180), (520, 20222), (533, 20300), (542, 20357), (546, 20381), (553, 20435), (558, 20483), (568, 20525), (570, 20549), (571, 20552),

Gene: Miniwave_26 Start: 22481, Stop: 24877, Start Num: 66

Candidate Starts for Miniwave_26:

(Start: 66 @22481 has 122 MA's), (128, 22658), (132, 22679), (178, 22826), (200, 22967), (205, 23000), (214, 23033), (220, 23069), (245, 23162), (266, 23222), (271, 23240), (299, 23372), (313, 23417), (342, 23549), (347, 23594), (365, 23654), (391, 23768), (394, 23789), (402, 23828), (405, 23849), (407, 23864), (437, 24014), (439, 24020), (441, 24038), (457, 24092), (470, 24176), (486, 24269), (527, 24515), (558, 24731), (571, 24815), (577, 24848),

Gene: Minnie_19 Start: 17940, Stop: 20477, Start Num: 30

Candidate Starts for Minnie_19:

(Start: 25 @17928 has 3 MA's), (Start: 30 @17940 has 239 MA's), (36, 17961), (Start: 46 @17982 has 1 MA's), (60, 18021), (93, 18090), (99, 18099), (100, 18102), (105, 18120), (115, 18153), (120, 18168), (131, 18216), (158, 18327), (159, 18330), (168, 18360), (170, 18372), (171, 18375), (184, 18453), (188, 18477), (199, 18543), (206, 18588), (214, 18618), (215, 18624), (217, 18642), (224, 18666), (226, 18675), (236, 18708), (238, 18714), (245, 18744), (260, 18783), (264, 18795), (266, 18804), (270, 18819), (271, 18822), (295, 18933), (296, 18936), (297, 18945), (298, 18951), (301, 18966), (303, 18969), (311, 18990), (321, 19020), (324, 19032), (330, 19065), (347, 19176), (349, 19179), (356, 19206), (358, 19212), (369, 19266), (370, 19269), (394, 19371), (396, 19383), (397, 19386), (408, 19452), (412, 19476), (415, 19497), (417, 19506), (430, 19566), (431, 19569), (439, 19605), (441, 19623), (446, 19635), (448, 19644), (456, 19671), (466, 19740), (470, 19758), (472, 19767),

(473, 19779), (478, 19815), (482, 19845), (488, 19866), (495, 19890), (498, 19926), (504, 19980), (515, 20040), (520, 20082), (533, 20160), (542, 20217), (546, 20241), (553, 20295), (558, 20343), (568, 20385), (570, 20409), (571, 20412),

Gene: Misfit_26 Start: 22371, Stop: 24767, Start Num: 66

Candidate Starts for Misfit_26:

(Start: 66 @22371 has 122 MA's), (128, 22548), (132, 22569), (178, 22716), (200, 22857), (205, 22890), (214, 22923), (220, 22959), (245, 23052), (266, 23112), (271, 23130), (299, 23262), (313, 23307), (342, 23439), (347, 23484), (365, 23544), (391, 23658), (394, 23679), (402, 23718), (405, 23739), (407, 23754), (437, 23904), (439, 23910), (441, 23928), (457, 23982), (470, 24066), (486, 24159), (527, 24405), (558, 24621), (571, 24705), (577, 24738),

Gene: Misha28_19 Start: 17273, Stop: 19798, Start Num: 30

Candidate Starts for Misha28_19:

(Start: 30 @17273 has 239 MA's), (36, 17294), (Start: 46 @17315 has 1 MA's), (60, 17354), (93, 17423), (99, 17432), (100, 17435), (105, 17453), (115, 17486), (120, 17501), (131, 17549), (158, 17660), (159, 17663), (171, 17708), (184, 17786), (188, 17810), (199, 17876), (206, 17921), (214, 17951), (215, 17957), (217, 17975), (224, 17999), (226, 18008), (236, 18041), (238, 18047), (245, 18077), (260, 18116), (264, 18128), (266, 18137), (270, 18152), (271, 18155), (303, 18302), (321, 18353), (341, 18464), (349, 18515), (355, 18539), (377, 18632), (388, 18677), (391, 18686), (394, 18707), (396, 18719), (397, 18722), (405, 18767), (412, 18812), (414, 18830), (415, 18833), (426, 18884), (437, 18935), (439, 18941), (441, 18959), (446, 18971), (448, 18980), (457, 19013), (470, 19094), (480, 19163), (486, 19190), (492, 19217), (499, 19268), (504, 19316), (545, 19559), (558, 19664), (565, 19685), (573, 19739), (576, 19763),

Gene: MisterCuddles_18 Start: 17371, Stop: 19908, Start Num: 30

Candidate Starts for MisterCuddles_18:

(Start: 30 @17371 has 239 MA's), (36, 17392), (Start: 46 @17413 has 1 MA's), (60, 17452), (93, 17521), (99, 17530), (100, 17533), (105, 17551), (115, 17584), (120, 17599), (157, 17752), (159, 17761), (171, 17806), (187, 17905), (188, 17908), (199, 17974), (214, 18049), (215, 18055), (224, 18097), (225, 18103), (226, 18106), (236, 18139), (238, 18145), (245, 18175), (255, 18196), (264, 18226), (266, 18235), (270, 18250), (271, 18253), (295, 18364), (296, 18367), (297, 18376), (298, 18382), (301, 18397), (303, 18400), (311, 18421), (321, 18451), (324, 18463), (330, 18496), (347, 18607), (349, 18610), (356, 18637), (358, 18643), (369, 18697), (370, 18700), (392, 18787), (394, 18802), (396, 18814), (397, 18817), (408, 18883), (412, 18907), (415, 18928), (417, 18937), (426, 18979), (430, 18997), (431, 19000), (437, 19030), (441, 19054), (446, 19066), (448, 19075), (466, 19171), (470, 19189), (472, 19198), (473, 19210), (478, 19246), (482, 19276), (486, 19285), (488, 19297), (498, 19357), (504, 19411), (515, 19471), (520, 19513), (542, 19648), (546, 19672), (553, 19726), (558, 19774), (568, 19816), (570, 19840), (571, 19843),

Gene: Modragons_18 Start: 17634, Stop: 20171, Start Num: 30

Candidate Starts for Modragons_18:

(Start: 30 @17634 has 239 MA's), (36, 17655), (Start: 46 @17676 has 1 MA's), (60, 17715), (93, 17784), (99, 17793), (100, 17796), (105, 17814), (120, 17862), (158, 18021), (159, 18024), (170, 18066), (171, 18069), (184, 18147), (187, 18168), (188, 18171), (199, 18237), (200, 18246), (206, 18282), (214, 18312), (215, 18318), (224, 18360), (225, 18366), (226, 18369), (236, 18402), (238, 18408), (245, 18438), (255, 18459), (264, 18489), (266, 18498), (291, 18606), (294, 18618), (295, 18627), (296, 18630), (297, 18639), (298, 18645), (301, 18660), (303, 18663), (311, 18684), (324, 18726), (330, 18759), (356, 18900), (358, 18906), (369, 18960), (370, 18963), (377, 18990), (394, 19065), (396, 19077), (397, 19080), (408, 19146), (411, 19167), (412, 19170), (415, 19191), (426, 19242), (430, 19260), (431, 19263), (437, 19293), (441, 19317), (446, 19329), (466, 19434), (470, 19452), (472, 19461), (473, 19473), (478, 19509), (482, 19539), (488, 19560), (495, 19584), (498, 19620), (515, 19734), (520, 19776), (533, 19854), (542, 19911), (546, 19935), (553, 19989), (558,

20037), (568, 20079), (570, 20103), (571, 20106),

Gene: Moldemort_27 Start: 22026, Stop: 24422, Start Num: 66

Candidate Starts for Moldemort_27:

(Start: 66 @22026 has 122 MA's), (128, 22203), (132, 22224), (178, 22371), (205, 22545), (214, 22578), (220, 22614), (245, 22707), (266, 22767), (271, 22785), (299, 22917), (313, 22962), (342, 23094), (347, 23139), (365, 23199), (391, 23313), (394, 23334), (402, 23373), (405, 23394), (407, 23409), (437, 23559), (439, 23565), (441, 23583), (457, 23637), (470, 23721), (486, 23814), (527, 24060), (558, 24276), (571, 24360), (577, 24393),

Gene: MooMoo_18 Start: 17135, Stop: 19570, Start Num: 30

Candidate Starts for MooMoo_18:

(Start: 30 @17135 has 239 MA's), (34, 17147), (41, 17168), (56, 17213), (65, 17231), (72, 17243), (101, 17318), (128, 17414), (134, 17441), (137, 17450), (143, 17468), (144, 17471), (150, 17480), (174, 17555), (176, 17564), (179, 17573), (197, 17651), (214, 17717), (215, 17723), (222, 17759), (223, 17762), (224, 17765), (225, 17771), (229, 17783), (232, 17792), (236, 17807), (251, 17858), (259, 17879), (260, 17882), (266, 17903), (273, 17927), (283, 17972), (295, 18032), (296, 18035), (300, 18056), (307, 18077), (317, 18110), (321, 18119), (330, 18164), (331, 18167), (332, 18173), (337, 18206), (339, 18218), (340, 18227), (342, 18230), (365, 18335), (370, 18368), (396, 18482), (406, 18536), (410, 18569), (411, 18572), (412, 18575), (414, 18593), (424, 18632), (437, 18695), (455, 18773), (458, 18791), (466, 18848), (467, 18851), (471, 18869), (479, 18929), (481, 18944), (495, 18998), (504, 19085), (519, 19190), (528, 19217), (538, 19289), (542, 19313), (558, 19430), (565, 19451), (572, 19511), (574, 19514), (577, 19541), (578, 19550),

Gene: Moonbeam_19 Start: 17889, Stop: 20426, Start Num: 30

Candidate Starts for Moonbeam_19:

(Start: 25 @17877 has 3 MA's), (Start: 30 @17889 has 239 MA's), (36, 17910), (Start: 46 @17931 has 1 MA's), (60, 17970), (93, 18039), (99, 18048), (100, 18051), (105, 18069), (115, 18102), (120, 18117), (131, 18165), (158, 18276), (159, 18279), (168, 18309), (170, 18321), (171, 18324), (184, 18402), (188, 18426), (199, 18492), (206, 18537), (214, 18567), (215, 18573), (217, 18591), (224, 18615), (226, 18624), (236, 18657), (238, 18663), (245, 18693), (260, 18732), (264, 18744), (266, 18753), (270, 18768), (271, 18771), (295, 18882), (296, 18885), (297, 18894), (298, 18900), (301, 18915), (303, 18918), (311, 18939), (321, 18969), (324, 18981), (330, 19014), (347, 19125), (349, 19128), (356, 19155), (358, 19161), (369, 19215), (370, 19218), (392, 19305), (394, 19320), (396, 19332), (397, 19335), (408, 19401), (412, 19425), (415, 19446), (417, 19455), (426, 19497), (430, 19515), (431, 19518), (439, 19554), (441, 19572), (446, 19584), (448, 19593), (456, 19620), (466, 19689), (470, 19707), (472, 19716), (473, 19728), (478, 19764), (482, 19794), (488, 19815), (495, 19839), (498, 19875), (504, 19929), (515, 19989), (520, 20031), (533, 20109), (542, 20166), (546, 20190), (553, 20244), (558, 20292), (568, 20334), (570, 20358), (571, 20361),

Gene: Mori_58 Start: 36137, Stop: 38647, Start Num: 30

Candidate Starts for Mori_58:

(Start: 30 @36137 has 239 MA's), (39, 36170), (63, 36239), (65, 36242), (73, 36266), (81, 36290), (87, 36314), (103, 36347), (155, 36554), (158, 36566), (159, 36569), (191, 36716), (194, 36746), (199, 36770), (206, 36800), (207, 36803), (214, 36830), (217, 36854), (225, 36884), (241, 36941), (246, 36965), (260, 37001), (264, 37013), (270, 37037), (271, 37040), (279, 37082), (301, 37178), (303, 37181), (362, 37436), (394, 37580), (405, 37640), (414, 37712), (415, 37715), (436, 37811), (470, 37985), (473, 38006), (491, 38099), (494, 38111), (504, 38201), (517, 38276), (532, 38321), (564, 38522), (569, 38576), (574, 38591),

Gene: Mosby_25 Start: 21791, Stop: 24187, Start Num: 66

Candidate Starts for Mosby_25:

(Start: 66 @21791 has 122 MA's), (128, 21968), (132, 21989), (178, 22136), (200, 22277), (205, 22310), (214, 22343), (220, 22379), (245, 22472), (266, 22532), (271, 22550), (299, 22682), (313, 22727), (342, 22859), (347, 22904), (391, 23078), (394, 23099), (402, 23138), (405, 23159), (407, 23174), (439, 23330), (441, 23348), (457, 23402), (470, 23486), (486, 23579), (527, 23825), (558, 24041), (571, 24125), (577, 24158),

Gene: Mova_19 Start: 17248, Stop: 19785, Start Num: 30

Candidate Starts for Mova_19:

(Start: 30 @17248 has 239 MA's), (36, 17269), (Start: 46 @17290 has 1 MA's), (60, 17329), (93, 17398), (99, 17407), (100, 17410), (105, 17428), (115, 17461), (120, 17476), (158, 17635), (159, 17638), (171, 17683), (184, 17761), (188, 17785), (199, 17851), (214, 17926), (215, 17932), (217, 17950), (224, 17974), (226, 17983), (236, 18016), (238, 18022), (245, 18052), (255, 18073), (260, 18091), (266, 18112), (270, 18127), (271, 18130), (291, 18220), (295, 18241), (296, 18244), (297, 18253), (298, 18259), (301, 18274), (303, 18277), (311, 18298), (324, 18340), (330, 18373), (342, 18439), (347, 18484), (349, 18487), (356, 18514), (358, 18520), (369, 18574), (370, 18577), (377, 18604), (392, 18664), (394, 18679), (396, 18691), (397, 18694), (408, 18760), (412, 18784), (417, 18814), (426, 18856), (430, 18874), (431, 18877), (439, 18913), (441, 18931), (446, 18943), (448, 18952), (456, 18979), (466, 19048), (470, 19066), (472, 19075), (473, 19087), (478, 19123), (482, 19153), (488, 19174), (495, 19198), (498, 19234), (504, 19288), (520, 19390), (542, 19525), (546, 19549), (553, 19603), (558, 19651), (568, 19693), (570, 19717), (571, 19720),

Gene: Mozy_19 Start: 17298, Stop: 19835, Start Num: 30

Candidate Starts for Mozy_19:

(Start: 30 @17298 has 239 MA's), (36, 17319), (Start: 46 @17340 has 1 MA's), (60, 17379), (93, 17448), (99, 17457), (100, 17460), (105, 17478), (115, 17511), (120, 17526), (158, 17685), (159, 17688), (168, 17718), (171, 17733), (184, 17811), (187, 17832), (188, 17835), (199, 17901), (214, 17976), (215, 17982), (224, 18024), (225, 18030), (226, 18033), (236, 18066), (238, 18072), (245, 18102), (255, 18123), (264, 18153), (266, 18162), (295, 18291), (296, 18294), (297, 18303), (298, 18309), (301, 18324), (303, 18327), (311, 18348), (321, 18378), (324, 18390), (330, 18423), (331, 18426), (342, 18489), (356, 18564), (358, 18570), (369, 18624), (370, 18627), (377, 18654), (394, 18729), (396, 18741), (397, 18744), (408, 18810), (412, 18834), (417, 18864), (430, 18924), (431, 18927), (439, 18963), (441, 18981), (448, 19002), (466, 19098), (470, 19116), (472, 19125), (473, 19137), (478, 19173), (488, 19224), (498, 19284), (504, 19338), (520, 19440), (533, 19518), (542, 19575), (546, 19599), (553, 19653), (558, 19701), (568, 19743), (570, 19767), (571, 19770),

Gene: Murai_59 Start: 36318, Stop: 38828, Start Num: 30

Candidate Starts for Murai_59:

(Start: 30 @36318 has 239 MA's), (39, 36351), (63, 36420), (65, 36423), (73, 36447), (81, 36471), (87, 36495), (103, 36528), (155, 36735), (158, 36747), (159, 36750), (191, 36897), (194, 36927), (199, 36951), (206, 36981), (207, 36984), (214, 37011), (217, 37035), (225, 37065), (241, 37122), (260, 37182), (264, 37194), (270, 37218), (271, 37221), (279, 37263), (301, 37359), (303, 37362), (362, 37617), (394, 37761), (405, 37821), (414, 37893), (415, 37896), (436, 37992), (470, 38166), (473, 38187), (491, 38280), (494, 38292), (504, 38382), (517, 38457), (532, 38502), (564, 38703), (569, 38757), (574, 38772),

Gene: Murica_25 Start: 22268, Stop: 24664, Start Num: 66

Candidate Starts for Murica_25:

(Start: 66 @22268 has 122 MA's), (128, 22445), (132, 22466), (178, 22613), (200, 22754), (205, 22787), (214, 22820), (220, 22856), (245, 22949), (266, 23009), (271, 23027), (299, 23159), (313, 23204), (342, 23336), (347, 23381), (365, 23441), (391, 23555), (394, 23576), (402, 23615), (405, 23636), (407, 23651), (437, 23801), (439, 23807), (441, 23825), (457, 23879), (470, 23963), (486, 24056), (527, 24302), (558, 24518), (571, 24602), (577, 24635),

Gene: Murphy_27 Start: 22263, Stop: 24659, Start Num: 66

Candidate Starts for Murphy_27:

(Start: 66 @22263 has 122 MA's), (128, 22440), (132, 22461), (178, 22608), (200, 22749), (205, 22782), (214, 22815), (220, 22851), (245, 22944), (266, 23004), (271, 23022), (299, 23154), (313, 23199), (342, 23331), (347, 23376), (365, 23436), (391, 23550), (394, 23571), (402, 23610), (405, 23631), (407, 23646), (437, 23796), (439, 23802), (441, 23820), (457, 23874), (470, 23958), (486, 24051), (527, 24297), (558, 24513), (571, 24597), (577, 24630),

Gene: Murucutumbu_27 Start: 20831, Stop: 23263, Start Num: 57

Candidate Starts for Murucutumbu_27:

(Start: 57 @20831 has 90 MA's), (95, 20930), (166, 21191), (171, 21212), (212, 21452), (218, 21482), (219, 21485), (242, 21554), (247, 21578), (264, 21623), (295, 21776), (306, 21833), (309, 21842), (319, 21878), (324, 21893), (354, 22073), (359, 22088), (373, 22157), (389, 22232), (397, 22274), (405, 22313), (406, 22319), (407, 22328), (423, 22409), (450, 22526), (458, 22568), (470, 22640), (472, 22649), (476, 22670), (492, 22763), (504, 22859), (539, 23087), (558, 23234),

Gene: Mutaforma13_18 Start: 17444, Stop: 19981, Start Num: 30

Candidate Starts for Mutaforma13_18:

(Start: 25 @17432 has 3 MA's), (Start: 30 @17444 has 239 MA's), (36, 17465), (Start: 46 @17486 has 1 MA's), (59, 17522), (60, 17525), (93, 17594), (99, 17603), (100, 17606), (105, 17624), (115, 17657), (120, 17672), (131, 17720), (157, 17825), (158, 17831), (159, 17834), (168, 17864), (170, 17876), (171, 17879), (188, 17981), (199, 18047), (206, 18092), (214, 18122), (215, 18128), (217, 18146), (224, 18170), (226, 18179), (236, 18212), (238, 18218), (255, 18269), (260, 18287), (264, 18299), (266, 18308), (270, 18323), (272, 18329), (295, 18437), (297, 18449), (298, 18455), (301, 18470), (303, 18473), (311, 18494), (321, 18524), (324, 18536), (330, 18569), (342, 18635), (347, 18680), (349, 18683), (356, 18710), (358, 18716), (369, 18770), (370, 18773), (377, 18800), (394, 18875), (396, 18887), (397, 18890), (408, 18956), (412, 18980), (417, 19010), (426, 19052), (430, 19070), (431, 19073), (439, 19109), (441, 19127), (448, 19148), (456, 19175), (466, 19244), (470, 19262), (472, 19271), (473, 19283), (478, 19319), (488, 19370), (493, 19388), (498, 19430), (504, 19484), (520, 19586), (542, 19721), (546, 19745), (553, 19799), (558, 19847), (568, 19889), (570, 19913), (571, 19916),

Gene: Mynx_27 Start: 20895, Stop: 23327, Start Num: 57

Candidate Starts for Mynx_27:

(Start: 57 @20895 has 90 MA's), (95, 20994), (166, 21255), (171, 21276), (204, 21483), (212, 21516), (218, 21546), (242, 21618), (247, 21642), (264, 21687), (295, 21840), (302, 21885), (306, 21897), (309, 21906), (324, 21957), (354, 22137), (359, 22152), (373, 22221), (377, 22233), (389, 22296), (397, 22338), (405, 22377), (406, 22383), (407, 22392), (410, 22413), (423, 22473), (450, 22590), (458, 22632), (470, 22704), (472, 22713), (476, 22734), (487, 22806), (492, 22827), (504, 22923), (515, 22986), (539, 23151), (558, 23298),

Gene: Myrale_26 Start: 22154, Stop: 24550, Start Num: 66

Candidate Starts for Myrale_26:

(Start: 66 @22154 has 122 MA's), (128, 22331), (132, 22352), (178, 22499), (200, 22640), (205, 22673), (214, 22706), (220, 22742), (245, 22835), (266, 22895), (271, 22913), (290, 22994), (342, 23222), (347, 23267), (394, 23462), (395, 23468), (397, 23477), (405, 23522), (407, 23537), (439, 23693), (441, 23711), (444, 23720), (458, 23774), (470, 23849), (471, 23852), (503, 24062), (505, 24074), (527, 24188), (558, 24404), (571, 24488), (575, 24512), (577, 24521),

Gene: Nala_26 Start: 22310, Stop: 24706, Start Num: 66

Candidate Starts for Nala_26:

(Start: 66 @22310 has 122 MA's), (128, 22487), (132, 22508), (178, 22655), (200, 22796), (205, 22829), (214, 22862), (220, 22898), (245, 22991), (266, 23051), (271, 23069), (299, 23201), (313,

23246), (342, 23378), (347, 23423), (365, 23483), (391, 23597), (394, 23618), (402, 23657), (405, 23678), (407, 23693), (437, 23843), (439, 23849), (441, 23867), (457, 23921), (470, 24005), (486, 24098), (527, 24344), (558, 24560), (571, 24644), (577, 24677),

Gene: Nebkiss_22 Start: 19932, Stop: 22502, Start Num: 22

Candidate Starts for Nebkiss_22:

(Start: 22 @19932 has 2 MA's), (42, 19989), (53, 20022), (86, 20100), (88, 20103), (110, 20157), (113, 20169), (126, 20217), (136, 20262), (153, 20334), (159, 20355), (165, 20376), (170, 20397), (171, 20400), (180, 20445), (194, 20544), (203, 20589), (215, 20634), (226, 20685), (232, 20703), (266, 20808), (268, 20814), (270, 20823), (271, 20826), (277, 20853), (282, 20874), (290, 20907), (291, 20916), (295, 20937), (297, 20949), (301, 20970), (321, 21024), (324, 21036), (330, 21069), (343, 21144), (346, 21171), (375, 21294), (383, 21321), (388, 21345), (394, 21375), (399, 21399), (406, 21441), (407, 21450), (427, 21579), (433, 21606), (446, 21657), (467, 21768), (470, 21783), (516, 22074), (542, 22242), (546, 22266), (568, 22410), (571, 22437), (573, 22443), (574, 22446),

Gene: NelitzaMV_26 Start: 22353, Stop: 24749, Start Num: 66

Candidate Starts for NelitzaMV_26:

(Start: 66 @22353 has 122 MA's), (128, 22530), (132, 22551), (178, 22698), (200, 22839), (205, 22872), (214, 22905), (220, 22941), (245, 23034), (266, 23094), (271, 23112), (307, 23268), (313, 23289), (339, 23409), (342, 23421), (347, 23466), (394, 23661), (397, 23676), (405, 23721), (407, 23736), (439, 23892), (441, 23910), (444, 23919), (470, 24048), (471, 24051), (503, 24261), (505, 24273), (527, 24387), (558, 24603), (571, 24687), (575, 24711), (577, 24720),

Gene: Nibb_26 Start: 20138, Stop: 22591, Start Num: 57

Candidate Starts for Nibb_26:

(Start: 57 @20138 has 90 MA's), (117, 20309), (130, 20366), (132, 20378), (165, 20495), (171, 20519), (177, 20546), (196, 20675), (202, 20708), (225, 20819), (228, 20828), (230, 20837), (235, 20858), (247, 20906), (276, 21008), (308, 21167), (328, 21248), (344, 21350), (385, 21542), (389, 21563), (397, 21605), (405, 21650), (407, 21665), (445, 21848), (458, 21905), (463, 21938), (476, 22007), (478, 22031), (489, 22088), (493, 22103), (501, 22181), (526, 22328), (528, 22337),

Gene: NiebruSaylor_57 Start: 35525, Stop: 38035, Start Num: 30

Candidate Starts for NiebruSaylor_57:

(Start: 30 @35525 has 239 MA's), (39, 35558), (63, 35627), (65, 35630), (73, 35654), (81, 35678), (87, 35702), (103, 35735), (155, 35942), (158, 35954), (159, 35957), (191, 36104), (194, 36134), (199, 36158), (206, 36188), (207, 36191), (214, 36218), (217, 36242), (225, 36272), (241, 36329), (246, 36353), (260, 36389), (264, 36401), (270, 36425), (271, 36428), (279, 36470), (301, 36566), (303, 36569), (362, 36824), (394, 36968), (405, 37028), (414, 37100), (415, 37103), (436, 37199), (470, 37373), (473, 37394), (491, 37487), (494, 37499), (504, 37589), (517, 37664), (532, 37709), (564, 37910), (569, 37964), (574, 37979),

Gene: Nimbo_18 Start: 17400, Stop: 19937, Start Num: 30

Candidate Starts for Nimbo_18:

(Start: 30 @17400 has 239 MA's), (36, 17421), (Start: 46 @17442 has 1 MA's), (60, 17481), (93, 17550), (99, 17559), (100, 17562), (105, 17580), (120, 17628), (131, 17676), (158, 17787), (159, 17790), (171, 17835), (184, 17913), (188, 17937), (199, 18003), (214, 18078), (215, 18084), (217, 18102), (224, 18126), (226, 18135), (236, 18168), (238, 18174), (245, 18204), (255, 18225), (264, 18255), (266, 18264), (291, 18372), (294, 18384), (295, 18393), (296, 18396), (298, 18411), (301, 18426), (303, 18429), (311, 18450), (324, 18492), (330, 18525), (347, 18636), (349, 18639), (356, 18666), (358, 18672), (369, 18726), (370, 18729), (377, 18756), (394, 18831), (396, 18843), (397, 18846), (408, 18912), (411, 18933), (412, 18936), (415, 18957), (417, 18966), (426, 19008), (430, 19026), (431, 19029), (437, 19059), (441, 19083), (446, 19095), (448, 19104), (466, 19200), (470, 19218), (472, 19227), (473, 19239), (478, 19275), (482, 19305), (486, 19314), (488, 19326), (498,

19386), (504, 19440), (515, 19500), (520, 19542), (542, 19677), (546, 19701), (553, 19755), (558, 19803), (568, 19845), (570, 19869), (571, 19872),

Gene: Nimrod_26 Start: 22529, Stop: 24925, Start Num: 66

Candidate Starts for Nimrod_26:

(Start: 66 @22529 has 122 MA's), (128, 22706), (132, 22727), (178, 22874), (200, 23015), (205, 23048), (214, 23081), (220, 23117), (245, 23210), (266, 23270), (271, 23288), (299, 23420), (313, 23465), (342, 23597), (347, 23642), (365, 23702), (391, 23816), (394, 23837), (402, 23876), (405, 23897), (407, 23912), (437, 24062), (439, 24068), (441, 24086), (457, 24140), (470, 24224), (486, 24317), (527, 24563), (558, 24779), (571, 24863), (577, 24896),

Gene: Nitzel_19 Start: 18136, Stop: 20673, Start Num: 30

Candidate Starts for Nitzel_19:

(Start: 30 @18136 has 239 MA's), (36, 18157), (Start: 46 @18178 has 1 MA's), (60, 18217), (93, 18286), (99, 18295), (100, 18298), (105, 18316), (115, 18349), (120, 18364), (131, 18412), (157, 18517), (158, 18523), (159, 18526), (170, 18568), (171, 18571), (188, 18673), (199, 18739), (206, 18784), (214, 18814), (215, 18820), (217, 18838), (224, 18862), (226, 18871), (236, 18904), (238, 18910), (255, 18961), (260, 18979), (264, 18991), (266, 19000), (270, 19015), (272, 19021), (295, 19129), (297, 19141), (298, 19147), (301, 19162), (303, 19165), (311, 19186), (321, 19216), (324, 19228), (330, 19261), (342, 19327), (347, 19372), (349, 19375), (356, 19402), (358, 19408), (369, 19462), (370, 19465), (377, 19492), (394, 19567), (396, 19579), (397, 19582), (408, 19648), (412, 19672), (417, 19702), (426, 19744), (430, 19762), (431, 19765), (439, 19801), (441, 19819), (446, 19831), (448, 19840), (456, 19867), (466, 19936), (470, 19954), (472, 19963), (473, 19975), (478, 20011), (488, 20062), (493, 20080), (498, 20122), (504, 20176), (515, 20236), (520, 20278), (542, 20413), (546, 20437), (553, 20491), (558, 20539), (568, 20581), (570, 20605), (571, 20608),

Gene: Nivrat_18 Start: 17405, Stop: 19930, Start Num: 30

Candidate Starts for Nivrat_18:

(Start: 30 @17405 has 239 MA's), (60, 17486), (93, 17555), (99, 17564), (100, 17567), (105, 17585), (120, 17633), (130, 17678), (158, 17792), (159, 17795), (163, 17807), (169, 17828), (170, 17837), (171, 17840), (181, 17888), (184, 17918), (194, 17984), (200, 18017), (206, 18053), (211, 18077), (225, 18137), (226, 18140), (232, 18158), (252, 18221), (254, 18224), (260, 18242), (266, 18263), (271, 18281), (277, 18308), (282, 18329), (290, 18362), (298, 18410), (299, 18413), (301, 18425), (303, 18428), (312, 18455), (321, 18479), (330, 18524), (351, 18650), (357, 18674), (384, 18782), (394, 18833), (396, 18845), (397, 18848), (405, 18893), (407, 18908), (411, 18935), (415, 18959), (426, 19010), (430, 19028), (431, 19031), (432, 19043), (446, 19097), (457, 19139), (479, 19283), (491, 19337), (492, 19343), (493, 19346), (496, 19382), (497, 19385), (499, 19394), (500, 19421), (534, 19622), (558, 19793), (567, 19832), (573, 19871), (574, 19874),

Gene: NoShow_21 Start: 18882, Stop: 21146, Start Num: 77

Candidate Starts for NoShow_21:

(Start: 77 @18882 has 1 MA's), (119, 19005), (121, 19014), (140, 19098), (145, 19122), (149, 19131), (171, 19209), (187, 19311), (202, 19398), (234, 19488), (256, 19545), (261, 19563), (263, 19569), (267, 19584), (272, 19599), (274, 19608), (328, 19800), (345, 19908), (383, 20088), (387, 20109), (390, 20118), (400, 20175), (403, 20187), (407, 20217), (417, 20271), (426, 20304), (433, 20346), (438, 20364), (461, 20469), (466, 20499), (491, 20640), (494, 20652), (534, 20943), (561, 21126),

Gene: NoSleep_27 Start: 22023, Stop: 24419, Start Num: 66

Candidate Starts for NoSleep_27:

(Start: 66 @22023 has 122 MA's), (128, 22200), (132, 22221), (178, 22368), (205, 22542), (214, 22575), (220, 22611), (245, 22704), (266, 22764), (271, 22782), (299, 22914), (313, 22959), (342, 23091), (347, 23136), (365, 23196), (391, 23310), (394, 23331), (402, 23370), (405, 23391), (407, 23406), (437, 23556), (439, 23562), (441, 23580), (457, 23634), (470, 23718), (486, 23811), (527,

24057), (558, 24273), (571, 24357), (577, 24390),

Gene: NormanBulbieJr_18 Start: 17393, Stop: 19945, Start Num: 30

Candidate Starts for NormanBulbieJr_18:

(Start: 30 @17393 has 239 MA's), (60, 17474), (93, 17543), (99, 17552), (100, 17555), (105, 17573), (120, 17621), (130, 17666), (158, 17780), (159, 17783), (163, 17795), (169, 17816), (170, 17825), (171, 17828), (181, 17876), (184, 17906), (194, 17972), (200, 18005), (206, 18041), (211, 18065), (225, 18125), (226, 18128), (232, 18146), (252, 18209), (254, 18212), (260, 18230), (266, 18251), (271, 18269), (277, 18296), (282, 18317), (290, 18350), (297, 18392), (298, 18398), (299, 18401), (303, 18416), (312, 18443), (313, 18446), (321, 18467), (324, 18479), (330, 18512), (345, 18605), (369, 18713), (375, 18737), (377, 18743), (382, 18761), (383, 18764), (388, 18788), (394, 18818), (399, 18842), (405, 18878), (406, 18884), (407, 18893), (411, 18920), (422, 18983), (426, 19007), (427, 19022), (437, 19064), (451, 19115), (467, 19211), (470, 19226), (472, 19235), (476, 19259), (486, 19322), (495, 19358), (540, 19664), (546, 19709), (558, 19811),

Gene: Oaker_29 Start: 25939, Stop: 28782, Start Num: 2

Candidate Starts for Oaker_29:

(Start: 2 @25939 has 8 MA's), (10, 26071), (11, 26083), (13, 26092), (24, 26161), (27, 26167), (47, 26227), (51, 26248), (68, 26296), (82, 26338), (90, 26362), (105, 26395), (114, 26431), (118, 26443), (139, 26536), (156, 26593), (167, 26632), (200, 26827), (204, 26857), (215, 26899), (226, 26950), (255, 27040), (260, 27058), (279, 27139), (290, 27178), (294, 27199), (330, 27337), (336, 27376), (346, 27439), (370, 27541), (414, 27766), (483, 28129), (491, 28156), (528, 28399), (531, 28432), (535, 28456), (552, 28576), (566, 28654), (577, 28741), (579, 28756), (580, 28762),

Gene: Ochi17_18 Start: 17634, Stop: 20171, Start Num: 30

Candidate Starts for Ochi17_18:

(Start: 30 @17634 has 239 MA's), (36, 17655), (Start: 46 @17676 has 1 MA's), (60, 17715), (93, 17784), (99, 17793), (100, 17796), (105, 17814), (120, 17862), (158, 18021), (159, 18024), (170, 18066), (171, 18069), (184, 18147), (187, 18168), (188, 18171), (199, 18237), (200, 18246), (206, 18282), (214, 18312), (215, 18318), (224, 18360), (225, 18366), (226, 18369), (236, 18402), (238, 18408), (245, 18438), (255, 18459), (264, 18489), (266, 18498), (291, 18606), (294, 18618), (295, 18627), (296, 18630), (297, 18639), (298, 18645), (301, 18660), (303, 18663), (311, 18684), (324, 18726), (330, 18759), (356, 18900), (358, 18906), (369, 18960), (370, 18963), (377, 18990), (394, 19065), (396, 19077), (397, 19080), (408, 19146), (411, 19167), (412, 19170), (415, 19191), (426, 19242), (430, 19260), (431, 19263), (437, 19293), (441, 19317), (446, 19329), (466, 19434), (470, 19452), (472, 19461), (473, 19473), (478, 19509), (482, 19539), (488, 19560), (495, 19584), (498, 19620), (515, 19734), (520, 19776), (533, 19854), (542, 19911), (546, 19935), (553, 19989), (558, 20037), (568, 20079), (570, 20103), (571, 20106),

Gene: OfUltron_18 Start: 17634, Stop: 20171, Start Num: 30

Candidate Starts for OfUltron_18:

(Start: 30 @17634 has 239 MA's), (36, 17655), (Start: 46 @17676 has 1 MA's), (60, 17715), (93, 17784), (99, 17793), (100, 17796), (105, 17814), (120, 17862), (158, 18021), (159, 18024), (170, 18066), (171, 18069), (184, 18147), (187, 18168), (188, 18171), (199, 18237), (200, 18246), (206, 18282), (214, 18312), (215, 18318), (224, 18360), (225, 18366), (226, 18369), (236, 18402), (238, 18408), (245, 18438), (255, 18459), (264, 18489), (266, 18498), (291, 18606), (294, 18618), (295, 18627), (296, 18630), (297, 18639), (298, 18645), (301, 18660), (303, 18663), (311, 18684), (324, 18726), (330, 18759), (356, 18900), (358, 18906), (369, 18960), (370, 18963), (377, 18990), (394, 19065), (396, 19077), (397, 19080), (408, 19146), (411, 19167), (412, 19170), (415, 19191), (426, 19242), (430, 19260), (431, 19263), (437, 19293), (441, 19317), (446, 19329), (466, 19434), (470, 19452), (472, 19461), (473, 19473), (478, 19509), (482, 19539), (488, 19560), (495, 19584), (498, 19620), (515, 19734), (520, 19776), (533, 19854), (542, 19911), (546, 19935), (553, 19989), (558, 20037), (568, 20079), (570, 20103), (571, 20106),

Gene: Ogopogo_21 Start: 17660, Stop: 20149, Start Num: 30

Candidate Starts for Ogopogo_21:

(Start: 30 @17660 has 239 MA's), (36, 17681), (Start: 46 @17702 has 1 MA's), (61, 17741), (93, 17810), (99, 17819), (100, 17822), (105, 17840), (120, 17888), (131, 17936), (148, 17990), (159, 18026), (161, 18032), (162, 18035), (169, 18053), (174, 18077), (180, 18101), (190, 18164), (203, 18248), (206, 18257), (214, 18281), (217, 18305), (224, 18329), (225, 18335), (232, 18356), (238, 18377), (245, 18407), (258, 18437), (264, 18458), (287, 18551), (290, 18566), (291, 18575), (295, 18596), (296, 18599), (321, 18683), (322, 18686), (324, 18695), (329, 18722), (331, 18731), (337, 18770), (340, 18791), (342, 18794), (346, 18830), (351, 18851), (369, 18929), (370, 18932), (385, 18986), (396, 19046), (412, 19139), (414, 19157), (415, 19160), (424, 19196), (435, 19250), (437, 19259), (455, 19337), (458, 19355), (463, 19391), (464, 19394), (466, 19412), (467, 19415), (470, 19430), (473, 19451), (478, 19487), (480, 19499), (495, 19562), (498, 19595), (507, 19682), (518, 19730), (519, 19754), (524, 19781), (527, 19790), (532, 19829), (538, 19868), (542, 19892), (545, 19913), (558, 20009), (565, 20030), (574, 20093), (577, 20120), (578, 20129),

Gene: Oksu_19 Start: 17479, Stop: 20016, Start Num: 30

Candidate Starts for Oksu_19:

(Start: 30 @17479 has 239 MA's), (36, 17500), (Start: 46 @17521 has 1 MA's), (60, 17560), (93, 17629), (99, 17638), (100, 17641), (105, 17659), (120, 17707), (157, 17860), (159, 17869), (171, 17914), (187, 18013), (188, 18016), (199, 18082), (214, 18157), (215, 18163), (217, 18181), (224, 18205), (225, 18211), (226, 18214), (236, 18247), (238, 18253), (245, 18283), (255, 18304), (264, 18334), (266, 18343), (270, 18358), (271, 18361), (295, 18472), (296, 18475), (297, 18484), (298, 18490), (301, 18505), (303, 18508), (311, 18529), (324, 18571), (330, 18604), (356, 18745), (358, 18751), (369, 18805), (370, 18808), (377, 18835), (394, 18910), (396, 18922), (397, 18925), (408, 18991), (411, 19012), (412, 19015), (415, 19036), (426, 19087), (430, 19105), (431, 19108), (437, 19138), (441, 19162), (446, 19174), (466, 19279), (470, 19297), (472, 19306), (473, 19318), (478, 19354), (482, 19384), (488, 19405), (495, 19429), (498, 19465), (515, 19579), (520, 19621), (533, 19699), (542, 19756), (546, 19780), (553, 19834), (558, 19882), (568, 19924), (570, 19948), (571, 19951),

Gene: OldBen_18 Start: 17370, Stop: 19907, Start Num: 30

Candidate Starts for OldBen_18:

(Start: 25 @17358 has 3 MA's), (Start: 30 @17370 has 239 MA's), (36, 17391), (Start: 46 @17412 has 1 MA's), (60, 17451), (93, 17520), (99, 17529), (100, 17532), (105, 17550), (120, 17598), (131, 17646), (158, 17757), (159, 17760), (171, 17805), (184, 17883), (188, 17907), (199, 17973), (206, 18018), (214, 18048), (215, 18054), (217, 18072), (224, 18096), (226, 18105), (236, 18138), (238, 18144), (245, 18174), (260, 18213), (264, 18225), (266, 18234), (270, 18249), (271, 18252), (295, 18363), (296, 18366), (297, 18375), (298, 18381), (301, 18396), (303, 18399), (311, 18420), (321, 18450), (324, 18462), (330, 18495), (347, 18606), (349, 18609), (356, 18636), (358, 18642), (369, 18696), (370, 18699), (394, 18801), (396, 18813), (397, 18816), (408, 18882), (412, 18906), (415, 18927), (417, 18936), (430, 18996), (431, 18999), (439, 19035), (441, 19053), (448, 19074), (456, 19101), (466, 19170), (470, 19188), (472, 19197), (473, 19209), (478, 19245), (488, 19296), (493, 19314), (498, 19356), (504, 19410), (520, 19512), (542, 19647), (546, 19671), (553, 19725), (565, 19794), (570, 19839), (571, 19842),

Gene: OlympiaSaint_18 Start: 17593, Stop: 20145, Start Num: 30

Candidate Starts for OlympiaSaint_18:

(Start: 30 @17593 has 239 MA's), (60, 17674), (93, 17743), (99, 17752), (100, 17755), (105, 17773), (120, 17821), (130, 17866), (158, 17980), (159, 17983), (163, 17995), (169, 18016), (170, 18025), (171, 18028), (181, 18076), (184, 18106), (194, 18172), (200, 18205), (206, 18241), (211, 18265), (225, 18325), (226, 18328), (232, 18346), (252, 18409), (254, 18412), (260, 18430), (266, 18451), (271, 18469), (277, 18496), (282, 18517), (290, 18550), (297, 18592), (298, 18598), (299, 18601),

(303, 18616), (312, 18643), (313, 18646), (321, 18667), (324, 18679), (330, 18712), (345, 18805), (369, 18913), (375, 18937), (377, 18943), (382, 18961), (383, 18964), (388, 18988), (394, 19018), (399, 19042), (405, 19078), (406, 19084), (407, 19093), (411, 19120), (422, 19183), (426, 19207), (427, 19222), (437, 19264), (451, 19315), (467, 19411), (470, 19426), (472, 19435), (476, 19459), (486, 19522), (495, 19558), (540, 19864), (546, 19909), (558, 20011),

Gene: Omega_38 Start: 31431, Stop: 33986, Start Num: 30

Candidate Starts for Omega_38:

(Start: 30 @31431 has 239 MA's), (105, 31626), (115, 31662), (120, 31677), (131, 31725), (158, 31836), (159, 31839), (168, 31869), (171, 31884), (184, 31962), (188, 31986), (199, 32052), (206, 32097), (214, 32127), (215, 32133), (217, 32151), (224, 32175), (226, 32184), (236, 32217), (238, 32223), (245, 32253), (260, 32292), (264, 32304), (266, 32313), (270, 32328), (271, 32331), (295, 32442), (296, 32445), (297, 32454), (298, 32460), (301, 32475), (303, 32478), (311, 32499), (321, 32529), (324, 32541), (330, 32574), (342, 32640), (347, 32685), (349, 32688), (356, 32715), (358, 32721), (369, 32775), (370, 32778), (392, 32865), (394, 32880), (396, 32892), (397, 32895), (408, 32961), (415, 33006), (417, 33015), (430, 33075), (431, 33078), (439, 33114), (441, 33132), (446, 33144), (448, 33153), (456, 33180), (466, 33249), (470, 33267), (472, 33276), (473, 33288), (478, 33324), (482, 33354), (488, 33375), (495, 33399), (498, 33435), (504, 33489), (515, 33549), (520, 33591), (542, 33726), (546, 33750), (553, 33804), (558, 33852), (568, 33894), (570, 33918), (571, 33921),

Gene: Optimus_37 Start: 30775, Stop: 33330, Start Num: 30

Candidate Starts for Optimus_37:

(17, 30718), (Start: 30 @30775 has 239 MA's), (105, 30970), (115, 31006), (120, 31021), (131, 31069), (157, 31174), (159, 31183), (171, 31228), (187, 31327), (188, 31330), (199, 31396), (214, 31471), (215, 31477), (217, 31495), (224, 31519), (226, 31528), (236, 31561), (238, 31567), (245, 31597), (260, 31636), (264, 31648), (266, 31657), (295, 31786), (296, 31789), (297, 31798), (298, 31804), (301, 31819), (303, 31822), (311, 31843), (321, 31873), (324, 31885), (330, 31918), (347, 32029), (349, 32032), (356, 32059), (358, 32065), (369, 32119), (370, 32122), (394, 32224), (396, 32236), (397, 32239), (408, 32305), (412, 32329), (415, 32350), (426, 32401), (430, 32419), (431, 32422), (437, 32452), (441, 32476), (446, 32488), (448, 32497), (466, 32593), (470, 32611), (472, 32620), (473, 32632), (482, 32698), (486, 32707), (488, 32719), (498, 32779), (520, 32935), (542, 33070), (546, 33094), (553, 33148), (565, 33217), (570, 33262), (571, 33265),

Gene: OrionPax_27 Start: 22029, Stop: 24425, Start Num: 66

Candidate Starts for OrionPax_27:

(Start: 66 @22029 has 122 MA's), (128, 22206), (132, 22227), (178, 22374), (205, 22548), (214, 22581), (220, 22617), (245, 22710), (266, 22770), (271, 22788), (299, 22920), (313, 22965), (342, 23097), (347, 23142), (365, 23202), (391, 23316), (394, 23337), (402, 23376), (405, 23397), (407, 23412), (437, 23562), (439, 23568), (441, 23586), (457, 23640), (470, 23724), (486, 23817), (527, 24063), (558, 24279), (571, 24363), (577, 24396),

Gene: Oscar_26 Start: 20113, Stop: 22572, Start Num: 57

Candidate Starts for Oscar_26:

(Start: 57 @20113 has 90 MA's), (76, 20161), (117, 20284), (130, 20341), (132, 20353), (158, 20446), (165, 20470), (177, 20521), (202, 20683), (225, 20794), (235, 20833), (242, 20857), (276, 20980), (291, 21052), (308, 21139), (325, 21205), (328, 21220), (344, 21322), (354, 21376), (368, 21436), (385, 21514), (386, 21526), (389, 21535), (397, 21577), (405, 21622), (407, 21637), (425, 21724), (429, 21748), (445, 21820), (458, 21877), (476, 21988), (478, 22012), (481, 22033), (493, 22084), (509, 22213), (528, 22318), (558, 22543),

Gene: Ovechkin_18 Start: 17427, Stop: 19964, Start Num: 30

Candidate Starts for Ovechkin_18:

(Start: 30 @17427 has 239 MA's), (36, 17448), (Start: 46 @17469 has 1 MA's), (59, 17505), (60, 17508), (93, 17577), (99, 17586), (100, 17589), (105, 17607), (115, 17640), (120, 17655), (131, 17703), (158, 17814), (159, 17817), (168, 17847), (170, 17859), (171, 17862), (184, 17940), (188, 17964), (199, 18030), (206, 18075), (214, 18105), (215, 18111), (217, 18129), (224, 18153), (226, 18162), (236, 18195), (238, 18201), (245, 18231), (260, 18270), (264, 18282), (266, 18291), (270, 18306), (271, 18309), (295, 18420), (296, 18423), (297, 18432), (298, 18438), (301, 18453), (303, 18456), (311, 18477), (321, 18507), (324, 18519), (330, 18552), (347, 18663), (349, 18666), (356, 18693), (358, 18699), (369, 18753), (370, 18756), (394, 18858), (396, 18870), (397, 18873), (408, 18939), (412, 18963), (415, 18984), (417, 18993), (430, 19053), (431, 19056), (439, 19092), (441, 19110), (446, 19122), (448, 19131), (456, 19158), (466, 19227), (470, 19245), (472, 19254), (473, 19266), (478, 19302), (482, 19332), (488, 19353), (495, 19377), (498, 19413), (504, 19467), (515, 19527), (520, 19569), (533, 19647), (542, 19704), (546, 19728), (553, 19782), (558, 19830), (568, 19872), (570, 19896), (571, 19899),

Gene: OwlsT2W_20 Start: 17765, Stop: 20317, Start Num: 30

Candidate Starts for OwlsT2W_20:

(Start: 30 @17765 has 239 MA's), (70, 17855), (93, 17915), (99, 17924), (100, 17927), (105, 17945), (120, 17993), (130, 18038), (158, 18152), (159, 18155), (163, 18167), (169, 18188), (170, 18197), (171, 18200), (184, 18278), (194, 18344), (200, 18377), (206, 18413), (211, 18437), (225, 18497), (226, 18500), (232, 18518), (252, 18581), (254, 18584), (260, 18602), (266, 18623), (271, 18641), (277, 18668), (282, 18689), (290, 18722), (297, 18764), (298, 18770), (299, 18773), (303, 18788), (312, 18815), (313, 18818), (321, 18839), (324, 18851), (330, 18884), (345, 18977), (369, 19085), (375, 19109), (377, 19115), (382, 19133), (383, 19136), (388, 19160), (394, 19190), (399, 19214), (405, 19250), (406, 19256), (407, 19265), (411, 19292), (422, 19355), (426, 19379), (427, 19394), (437, 19436), (451, 19487), (467, 19583), (470, 19598), (472, 19607), (476, 19631), (486, 19694), (495, 19730), (540, 20036), (546, 20081), (558, 20183),

Gene: PHappiness_18 Start: 17378, Stop: 19915, Start Num: 30

Candidate Starts for PHappiness_18:

(Start: 25 @17366 has 3 MA's), (Start: 30 @17378 has 239 MA's), (36, 17399), (Start: 46 @17420 has 1 MA's), (60, 17459), (93, 17528), (99, 17537), (100, 17540), (105, 17558), (120, 17606), (131, 17654), (158, 17765), (159, 17768), (171, 17813), (184, 17891), (188, 17915), (199, 17981), (206, 18026), (214, 18056), (215, 18062), (217, 18080), (224, 18104), (226, 18113), (236, 18146), (238, 18152), (245, 18182), (260, 18221), (264, 18233), (266, 18242), (270, 18257), (271, 18260), (295, 18371), (296, 18374), (297, 18383), (298, 18389), (301, 18404), (303, 18407), (311, 18428), (321, 18458), (324, 18470), (330, 18503), (347, 18614), (349, 18617), (356, 18644), (358, 18650), (369, 18704), (370, 18707), (394, 18809), (396, 18821), (397, 18824), (408, 18890), (412, 18914), (415, 18935), (417, 18944), (430, 19004), (431, 19007), (439, 19043), (441, 19061), (448, 19082), (456, 19109), (466, 19178), (470, 19196), (472, 19205), (473, 19217), (478, 19253), (488, 19304), (493, 19322), (498, 19364), (504, 19418), (520, 19520), (542, 19655), (546, 19679), (553, 19733), (565, 19802), (570, 19847), (571, 19850),

Gene: PMC_18 Start: 17383, Stop: 19920, Start Num: 30

Candidate Starts for PMC_18:

(Start: 30 @17383 has 239 MA's), (70, 17473), (93, 17533), (99, 17542), (100, 17545), (105, 17563), (120, 17611), (131, 17659), (157, 17764), (158, 17770), (159, 17773), (170, 17815), (171, 17818), (188, 17920), (199, 17986), (206, 18031), (214, 18061), (215, 18067), (217, 18085), (224, 18109), (226, 18118), (236, 18151), (238, 18157), (255, 18208), (260, 18226), (264, 18238), (266, 18247), (270, 18262), (272, 18268), (295, 18376), (297, 18388), (298, 18394), (301, 18409), (303, 18412), (311, 18433), (321, 18463), (324, 18475), (330, 18508), (342, 18574), (347, 18619), (349, 18622), (356, 18649), (358, 18655), (369, 18709), (370, 18712), (377, 18739), (394, 18814), (396, 18826), (397, 18829), (408, 18895), (411, 18916), (412, 18919), (417, 18949), (426, 18991), (430, 19009), (431, 19012), (437, 19042), (441, 19066), (446, 19078), (448, 19087), (466, 19183), (470, 19201),

(472, 19210), (473, 19222), (482, 19288), (486, 19297), (488, 19309), (498, 19369), (520, 19525),
(542, 19660), (546, 19684), (553, 19738), (565, 19807), (570, 19852), (571, 19855),

Gene: Pacc40_18 Start: 17568, Stop: 20105, Start Num: 30

Candidate Starts for Pacc40_18:

(Start: 25 @17556 has 3 MA's), (Start: 30 @17568 has 239 MA's), (36, 17589), (Start: 46 @17610 has
1 MA's), (60, 17649), (93, 17718), (99, 17727), (100, 17730), (105, 17748), (120, 17796), (131, 17844),
(158, 17955), (159, 17958), (171, 18003), (184, 18081), (188, 18105), (199, 18171), (206, 18216),
(214, 18246), (215, 18252), (217, 18270), (224, 18294), (226, 18303), (236, 18336), (238, 18342),
(245, 18372), (260, 18411), (264, 18423), (266, 18432), (270, 18447), (271, 18450), (295, 18561),
(296, 18564), (297, 18573), (298, 18579), (301, 18594), (303, 18597), (311, 18618), (321, 18648),
(324, 18660), (330, 18693), (347, 18804), (349, 18807), (356, 18834), (358, 18840), (369, 18894),
(370, 18897), (394, 18999), (396, 19011), (397, 19014), (408, 19080), (412, 19104), (415, 19125),
(417, 19134), (430, 19194), (431, 19197), (439, 19233), (441, 19251), (448, 19272), (456, 19299),
(466, 19368), (470, 19386), (472, 19395), (473, 19407), (478, 19443), (488, 19494), (493, 19512),
(498, 19554), (504, 19608), (520, 19710), (542, 19845), (546, 19869), (553, 19923), (565, 19992),
(570, 20037), (571, 20040),

Gene: Pace1224_22 Start: 20643, Stop: 23102, Start Num: 19

Candidate Starts for Pace1224_22:

(Start: 19 @20643 has 11 MA's), (38, 20703), (55, 20751), (122, 20946), (188, 21234), (205, 21336),
(213, 21360), (267, 21504), (271, 21519), (290, 21600), (305, 21675), (324, 21732), (328, 21756),
(335, 21792), (369, 21978), (374, 21999), (385, 22047), (387, 22062), (400, 22128), (407, 22170),
(426, 22263), (428, 22281), (441, 22347), (461, 22428), (474, 22494), (498, 22647), (509, 22737),
(519, 22806), (527, 22842), (541, 22935), (556, 23040), (560, 23076),

Gene: Padfoot_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Padfoot_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533),
(218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923),
(324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355),
(405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649),
(470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087),
(539, 23168), (558, 23315),

Gene: Padpat_27 Start: 20872, Stop: 23304, Start Num: 57

Candidate Starts for Padpat_27:

(Start: 57 @20872 has 90 MA's), (95, 20971), (166, 21232), (171, 21253), (204, 21460), (212, 21493),
(218, 21523), (242, 21595), (247, 21619), (264, 21664), (295, 21817), (302, 21862), (306, 21874),
(309, 21883), (324, 21934), (354, 22114), (359, 22129), (373, 22198), (377, 22210), (389, 22273),
(397, 22315), (405, 22354), (406, 22360), (407, 22369), (410, 22390), (423, 22450), (450, 22567),
(458, 22609), (470, 22681), (472, 22690), (476, 22711), (487, 22783), (492, 22804), (504, 22900),
(515, 22963), (539, 23128), (558, 23275),

Gene: Palpatine_26 Start: 22301, Stop: 24697, Start Num: 66

Candidate Starts for Palpatine_26:

(Start: 66 @22301 has 122 MA's), (128, 22478), (132, 22499), (178, 22646), (200, 22787), (205,
22820), (214, 22853), (220, 22889), (245, 22982), (266, 23042), (271, 23060), (299, 23192), (313,
23237), (342, 23369), (347, 23414), (365, 23474), (391, 23588), (394, 23609), (402, 23648), (405,
23669), (407, 23684), (437, 23834), (439, 23840), (441, 23858), (457, 23912), (470, 23996), (486,
24089), (527, 24335), (558, 24551), (571, 24635), (577, 24668),

Gene: Paperbeatsrock_28 Start: 23264, Stop: 25660, Start Num: 66

Candidate Starts for Paperbeatsrock_28:

(Start: 66 @23264 has 122 MA's), (128, 23441), (132, 23462), (178, 23609), (200, 23750), (205, 23783), (214, 23816), (220, 23852), (245, 23945), (266, 24005), (271, 24023), (299, 24155), (313, 24200), (342, 24332), (347, 24377), (365, 24437), (391, 24551), (394, 24572), (402, 24611), (405, 24632), (407, 24647), (437, 24797), (439, 24803), (441, 24821), (457, 24875), (470, 24959), (486, 25052), (527, 25298), (558, 25514), (571, 25598), (577, 25631),

Gene: Pat3_25 Start: 21010, Stop: 23406, Start Num: 66

Candidate Starts for Pat3_25:

(Start: 66 @21010 has 122 MA's), (128, 21187), (132, 21208), (178, 21355), (200, 21496), (205, 21529), (214, 21562), (220, 21598), (245, 21691), (266, 21751), (271, 21769), (299, 21901), (313, 21946), (342, 22078), (347, 22123), (391, 22297), (394, 22318), (402, 22357), (405, 22378), (407, 22393), (439, 22549), (441, 22567), (457, 22621), (470, 22705), (522, 23029), (558, 23260), (571, 23344), (577, 23377),

Gene: Peel_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Peel_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Petra64142_28 Start: 22744, Stop: 25140, Start Num: 66

Candidate Starts for Petra64142_28:

(Start: 66 @22744 has 122 MA's), (128, 22921), (132, 22942), (178, 23089), (200, 23230), (205, 23263), (214, 23296), (220, 23332), (245, 23425), (266, 23485), (271, 23503), (299, 23635), (313, 23680), (342, 23812), (347, 23857), (365, 23917), (391, 24031), (394, 24052), (402, 24091), (405, 24112), (407, 24127), (437, 24277), (439, 24283), (441, 24301), (457, 24355), (470, 24439), (486, 24532), (527, 24778), (558, 24994), (571, 25078), (577, 25111),

Gene: Phaja_26 Start: 22460, Stop: 24856, Start Num: 66

Candidate Starts for Phaja_26:

(Start: 66 @22460 has 122 MA's), (128, 22637), (132, 22658), (178, 22805), (200, 22946), (205, 22979), (214, 23012), (220, 23048), (245, 23141), (266, 23201), (271, 23219), (307, 23375), (313, 23396), (339, 23516), (342, 23528), (347, 23573), (394, 23768), (395, 23774), (397, 23783), (405, 23828), (407, 23843), (439, 23999), (441, 24017), (444, 24026), (458, 24080), (470, 24155), (471, 24158), (503, 24368), (505, 24380), (527, 24494), (558, 24710), (571, 24794), (575, 24818), (577, 24827),

Gene: Phalconet_18 Start: 17448, Stop: 19979, Start Num: 30

Candidate Starts for Phalconet_18:

(Start: 25 @17436 has 3 MA's), (Start: 30 @17448 has 239 MA's), (36, 17469), (Start: 46 @17490 has 1 MA's), (60, 17529), (93, 17598), (99, 17607), (100, 17610), (115, 17661), (120, 17676), (131, 17718), (158, 17829), (159, 17832), (168, 17862), (171, 17877), (184, 17955), (199, 18045), (206, 18090), (214, 18120), (215, 18126), (217, 18144), (224, 18168), (226, 18177), (236, 18210), (238, 18216), (245, 18246), (260, 18285), (264, 18297), (266, 18306), (270, 18321), (271, 18324), (295, 18435), (296, 18438), (297, 18447), (298, 18453), (301, 18468), (303, 18471), (311, 18492), (321, 18522), (324, 18534), (330, 18567), (342, 18633), (347, 18678), (349, 18681), (356, 18708), (358, 18714), (369, 18768), (370, 18771), (392, 18858), (394, 18873), (396, 18885), (397, 18888), (408, 18954), (415, 18999), (417, 19008), (430, 19068), (431, 19071), (439, 19107), (441, 19125), (446, 19137), (448, 19146), (456, 19173), (466, 19242), (470, 19260), (472, 19269), (473, 19281), (478, 19317),

(482, 19347), (488, 19368), (495, 19392), (498, 19428), (504, 19482), (515, 19542), (520, 19584), (533, 19662), (542, 19719), (546, 19743), (553, 19797), (558, 19845), (568, 19887), (570, 19911), (571, 19914),

Gene: Phanphagia_18 Start: 17450, Stop: 19927, Start Num: 30

Candidate Starts for Phanphagia_18:

(Start: 25 @17438 has 3 MA's), (Start: 30 @17450 has 239 MA's), (36, 17471), (Start: 46 @17492 has 1 MA's), (61, 17531), (93, 17600), (99, 17609), (100, 17612), (105, 17630), (115, 17663), (120, 17678), (142, 17765), (148, 17780), (159, 17816), (161, 17822), (171, 17855), (174, 17867), (203, 18038), (206, 18047), (214, 18071), (225, 18125), (236, 18161), (238, 18167), (245, 18197), (258, 18227), (264, 18248), (266, 18257), (287, 18341), (298, 18404), (303, 18422), (307, 18431), (313, 18452), (314, 18455), (321, 18473), (324, 18485), (329, 18512), (331, 18521), (339, 18572), (340, 18581), (342, 18584), (345, 18611), (346, 18620), (351, 18641), (369, 18719), (370, 18722), (395, 18830), (396, 18836), (405, 18884), (411, 18926), (412, 18929), (415, 18950), (416, 18956), (417, 18959), (424, 18989), (455, 19130), (458, 19148), (462, 19181), (466, 19205), (467, 19208), (470, 19223), (473, 19244), (478, 19280), (479, 19286), (484, 19313), (491, 19340), (507, 19475), (518, 19523), (519, 19547), (521, 19553), (527, 19571), (542, 19670), (545, 19691), (548, 19709), (558, 19787), (565, 19808), (574, 19871), (575, 19889), (578, 19907),

Gene: Pharsalus_27 Start: 23064, Stop: 25460, Start Num: 66

Candidate Starts for Pharsalus_27:

(Start: 66 @23064 has 122 MA's), (128, 23241), (132, 23262), (178, 23409), (200, 23550), (205, 23583), (214, 23616), (220, 23652), (245, 23745), (266, 23805), (271, 23823), (299, 23955), (313, 24000), (342, 24132), (347, 24177), (365, 24237), (391, 24351), (394, 24372), (402, 24411), (405, 24432), (407, 24447), (437, 24597), (439, 24603), (441, 24621), (457, 24675), (470, 24759), (486, 24852), (527, 25098), (558, 25314), (571, 25398), (577, 25431),

Gene: Phasih_19 Start: 17939, Stop: 20476, Start Num: 30

Candidate Starts for Phasih_19:

(Start: 30 @17939 has 239 MA's), (36, 17960), (Start: 46 @17981 has 1 MA's), (60, 18020), (93, 18089), (99, 18098), (100, 18101), (105, 18119), (115, 18152), (120, 18167), (157, 18320), (159, 18329), (171, 18374), (187, 18473), (188, 18476), (199, 18542), (214, 18617), (215, 18623), (224, 18665), (225, 18671), (226, 18674), (236, 18707), (238, 18713), (245, 18743), (255, 18764), (264, 18794), (266, 18803), (270, 18818), (271, 18821), (295, 18932), (296, 18935), (297, 18944), (298, 18950), (301, 18965), (303, 18968), (311, 18989), (321, 19019), (324, 19031), (330, 19064), (347, 19175), (349, 19178), (356, 19205), (358, 19211), (369, 19265), (370, 19268), (392, 19355), (394, 19370), (396, 19382), (397, 19385), (408, 19451), (412, 19475), (415, 19496), (417, 19505), (426, 19547), (430, 19565), (431, 19568), (437, 19598), (441, 19622), (446, 19634), (448, 19643), (466, 19739), (470, 19757), (472, 19766), (473, 19778), (478, 19814), (482, 19844), (486, 19853), (488, 19865), (498, 19925), (504, 19979), (515, 20039), (520, 20081), (542, 20216), (546, 20240), (553, 20294), (558, 20342), (568, 20384), (570, 20408), (571, 20411),

Gene: PhatBacter_26 Start: 22312, Stop: 24708, Start Num: 66

Candidate Starts for PhatBacter_26:

(Start: 66 @22312 has 122 MA's), (128, 22489), (132, 22510), (178, 22657), (200, 22798), (205, 22831), (214, 22864), (220, 22900), (245, 22993), (266, 23053), (271, 23071), (299, 23203), (313, 23248), (342, 23380), (347, 23425), (365, 23485), (391, 23599), (394, 23620), (402, 23659), (405, 23680), (407, 23695), (437, 23845), (439, 23851), (441, 23869), (457, 23923), (470, 24007), (486, 24100), (527, 24346), (558, 24562), (571, 24646), (577, 24679),

Gene: Phatniss_19 Start: 17901, Stop: 20438, Start Num: 30

Candidate Starts for Phatniss_19:

(Start: 25 @17889 has 3 MA's), (Start: 30 @17901 has 239 MA's), (36, 17922), (Start: 46 @17943 has 1 MA's), (60, 17982), (93, 18051), (99, 18060), (100, 18063), (105, 18081), (115, 18114), (120, 18129), (131, 18177), (157, 18282), (159, 18291), (170, 18333), (171, 18336), (184, 18414), (188, 18438), (199, 18504), (206, 18549), (214, 18579), (215, 18585), (217, 18603), (224, 18627), (226, 18636), (236, 18669), (238, 18675), (245, 18705), (260, 18744), (264, 18756), (266, 18765), (270, 18780), (271, 18783), (295, 18894), (297, 18906), (298, 18912), (301, 18927), (303, 18930), (311, 18951), (321, 18981), (324, 18993), (330, 19026), (342, 19092), (347, 19137), (349, 19140), (356, 19167), (358, 19173), (369, 19227), (370, 19230), (377, 19257), (394, 19332), (396, 19344), (397, 19347), (408, 19413), (412, 19437), (417, 19467), (426, 19509), (430, 19527), (431, 19530), (439, 19566), (441, 19584), (448, 19605), (456, 19632), (466, 19701), (470, 19719), (472, 19728), (473, 19740), (478, 19776), (482, 19806), (486, 19815), (488, 19827), (498, 19887), (504, 19941), (515, 20001), (520, 20043), (533, 20121), (542, 20178), (546, 20202), (553, 20256), (558, 20304), (568, 20346), (570, 20370), (571, 20373),

Gene: Phaux_25 Start: 22310, Stop: 24706, Start Num: 66

Candidate Starts for Phaux_25:

(Start: 66 @22310 has 122 MA's), (128, 22487), (132, 22508), (178, 22655), (200, 22796), (205, 22829), (214, 22862), (220, 22898), (245, 22991), (266, 23051), (271, 23069), (299, 23201), (313, 23246), (342, 23378), (347, 23423), (365, 23483), (391, 23597), (394, 23618), (402, 23657), (405, 23678), (407, 23693), (437, 23843), (439, 23849), (441, 23867), (457, 23921), (470, 24005), (486, 24098), (527, 24344), (558, 24560), (571, 24644), (577, 24677),

Gene: PhesterPhotato_18 Start: 17419, Stop: 19956, Start Num: 30

Candidate Starts for PhesterPhotato_18:

(Start: 25 @17407 has 3 MA's), (Start: 30 @17419 has 239 MA's), (36, 17440), (Start: 46 @17461 has 1 MA's), (60, 17500), (93, 17569), (99, 17578), (100, 17581), (105, 17599), (115, 17632), (120, 17647), (131, 17695), (158, 17806), (159, 17809), (168, 17839), (171, 17854), (184, 17932), (188, 17956), (199, 18022), (206, 18067), (214, 18097), (215, 18103), (217, 18121), (224, 18145), (226, 18154), (236, 18187), (238, 18193), (245, 18223), (260, 18262), (264, 18274), (266, 18283), (270, 18298), (271, 18301), (295, 18412), (296, 18415), (297, 18424), (298, 18430), (301, 18445), (303, 18448), (311, 18469), (321, 18499), (324, 18511), (330, 18544), (347, 18655), (349, 18658), (356, 18685), (358, 18691), (369, 18745), (370, 18748), (394, 18850), (396, 18862), (397, 18865), (408, 18931), (412, 18955), (415, 18976), (417, 18985), (430, 19045), (431, 19048), (439, 19084), (441, 19102), (446, 19114), (448, 19123), (456, 19150), (466, 19219), (470, 19237), (472, 19246), (473, 19258), (478, 19294), (482, 19324), (488, 19345), (495, 19369), (498, 19405), (504, 19459), (515, 19519), (520, 19561), (533, 19639), (542, 19696), (546, 19720), (548, 19735), (553, 19774), (558, 19822), (568, 19864), (570, 19888), (571, 19891),

Gene: Philus_18 Start: 17405, Stop: 19942, Start Num: 30

Candidate Starts for Philus_18:

(Start: 30 @17405 has 239 MA's), (36, 17426), (Start: 46 @17447 has 1 MA's), (60, 17486), (93, 17555), (99, 17564), (100, 17567), (105, 17585), (120, 17633), (157, 17786), (159, 17795), (171, 17840), (184, 17918), (188, 17942), (199, 18008), (206, 18053), (214, 18083), (215, 18089), (217, 18107), (224, 18131), (226, 18140), (236, 18173), (238, 18179), (245, 18209), (260, 18248), (266, 18269), (270, 18284), (271, 18287), (296, 18401), (297, 18410), (298, 18416), (303, 18434), (311, 18455), (321, 18485), (324, 18497), (330, 18530), (347, 18641), (349, 18644), (356, 18671), (358, 18677), (369, 18731), (370, 18734), (392, 18821), (394, 18836), (397, 18851), (412, 18941), (415, 18962), (417, 18971), (430, 19031), (431, 19034), (439, 19070), (441, 19088), (446, 19100), (448, 19109), (456, 19136), (466, 19205), (470, 19223), (472, 19232), (473, 19244), (478, 19280), (482, 19310), (488, 19331), (495, 19355), (498, 19391), (504, 19445), (520, 19547), (533, 19625), (542, 19682), (546, 19706), (553, 19760), (558, 19808), (568, 19850), (573, 19883), (574, 19886),

Gene: Phreeze_29 Start: 25682, Stop: 28525, Start Num: 2

Candidate Starts for Phreeze_29:

(Start: 2 @25682 has 8 MA's), (10, 25814), (11, 25826), (13, 25835), (24, 25904), (47, 25970), (51, 25991), (68, 26039), (82, 26081), (90, 26105), (105, 26138), (114, 26174), (118, 26186), (139, 26279), (156, 26336), (167, 26375), (200, 26570), (204, 26600), (215, 26642), (255, 26783), (260, 26801), (279, 26882), (290, 26921), (294, 26942), (330, 27080), (336, 27119), (346, 27182), (370, 27284), (414, 27509), (483, 27872), (491, 27899), (528, 28142), (531, 28175), (535, 28199), (552, 28319), (566, 28397), (577, 28484), (579, 28499), (580, 28505),

Gene: Phrux_26 Start: 22025, Stop: 24421, Start Num: 66

Candidate Starts for Phrux_26:

(Start: 66 @22025 has 122 MA's), (128, 22202), (132, 22223), (178, 22370), (205, 22544), (214, 22577), (220, 22613), (245, 22706), (266, 22766), (271, 22784), (299, 22916), (313, 22961), (342, 23093), (347, 23138), (365, 23198), (391, 23312), (394, 23333), (402, 23372), (405, 23393), (407, 23408), (437, 23558), (439, 23564), (441, 23582), (457, 23636), (470, 23720), (486, 23813), (527, 24059), (558, 24275), (571, 24359), (577, 24392),

Gene: Piatt_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Piatt_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Pinnie_23 Start: 21181, Stop: 23643, Start Num: 19

Candidate Starts for Pinnie_23:

(Start: 19 @21181 has 11 MA's), (54, 21286), (55, 21289), (100, 21409), (112, 21451), (122, 21484), (149, 21589), (188, 21772), (198, 21832), (238, 21955), (248, 21994), (266, 22042), (267, 22045), (290, 22141), (294, 22162), (299, 22192), (305, 22216), (328, 22297), (330, 22306), (335, 22333), (354, 22453), (374, 22540), (385, 22588), (400, 22669), (407, 22711), (426, 22804), (441, 22888), (495, 23149), (498, 23188), (508, 23275), (519, 23347), (540, 23464), (541, 23476), (556, 23581), (562, 23626),

Gene: Piper2020_19 Start: 17270, Stop: 19795, Start Num: 30

Candidate Starts for Piper2020_19:

(Start: 30 @17270 has 239 MA's), (36, 17291), (Start: 46 @17312 has 1 MA's), (60, 17351), (93, 17420), (99, 17429), (100, 17432), (105, 17450), (115, 17483), (120, 17498), (131, 17546), (158, 17657), (159, 17660), (171, 17705), (184, 17783), (188, 17807), (199, 17873), (200, 17882), (214, 17948), (215, 17954), (217, 17972), (224, 17996), (225, 18002), (226, 18005), (236, 18038), (238, 18044), (245, 18074), (255, 18095), (266, 18134), (270, 18149), (272, 18155), (303, 18299), (321, 18350), (341, 18461), (349, 18512), (355, 18536), (377, 18629), (388, 18674), (391, 18683), (394, 18704), (396, 18716), (397, 18719), (405, 18764), (412, 18809), (414, 18827), (415, 18830), (426, 18881), (437, 18932), (439, 18938), (441, 18956), (446, 18968), (448, 18977), (457, 19010), (470, 19091), (480, 19160), (486, 19187), (492, 19214), (499, 19265), (504, 19313), (545, 19556), (558, 19661), (565, 19682), (573, 19736), (576, 19760),

Gene: Plumbus_19 Start: 17226, Stop: 19763, Start Num: 30

Candidate Starts for Plumbus_19:

(Start: 25 @17214 has 3 MA's), (Start: 30 @17226 has 239 MA's), (36, 17247), (Start: 46 @17268 has 1 MA's), (60, 17307), (93, 17376), (99, 17385), (100, 17388), (105, 17406), (115, 17439), (120, 17454), (131, 17502), (158, 17613), (159, 17616), (168, 17646), (170, 17658), (171, 17661), (184, 17739), (188, 17763), (199, 17829), (206, 17874), (214, 17904), (215, 17910), (217, 17928), (224, 17952),

(226, 17961), (236, 17994), (238, 18000), (245, 18030), (260, 18069), (264, 18081), (266, 18090), (270, 18105), (271, 18108), (295, 18219), (296, 18222), (297, 18231), (298, 18237), (301, 18252), (303, 18255), (311, 18276), (321, 18306), (324, 18318), (330, 18351), (342, 18417), (347, 18462), (349, 18465), (356, 18492), (358, 18498), (369, 18552), (370, 18555), (392, 18642), (394, 18657), (396, 18669), (397, 18672), (408, 18738), (412, 18762), (415, 18783), (417, 18792), (430, 18852), (431, 18855), (439, 18891), (441, 18909), (446, 18921), (448, 18930), (456, 18957), (466, 19026), (470, 19044), (472, 19053), (473, 19065), (478, 19101), (482, 19131), (488, 19152), (495, 19176), (498, 19212), (504, 19266), (515, 19326), (520, 19368), (533, 19446), (542, 19503), (546, 19527), (553, 19581), (558, 19629), (568, 19671), (570, 19695), (571, 19698),

Gene: Poenanya_18 Start: 17534, Stop: 20071, Start Num: 30

Candidate Starts for Poenanya_18:

(Start: 30 @17534 has 239 MA's), (36, 17555), (Start: 46 @17576 has 1 MA's), (60, 17615), (93, 17684), (99, 17693), (100, 17696), (105, 17714), (120, 17762), (158, 17921), (159, 17924), (171, 17969), (184, 18047), (188, 18071), (199, 18137), (214, 18212), (215, 18218), (217, 18236), (224, 18260), (225, 18266), (226, 18269), (236, 18302), (238, 18308), (245, 18338), (255, 18359), (264, 18389), (266, 18398), (291, 18506), (294, 18518), (295, 18527), (296, 18530), (298, 18545), (301, 18560), (303, 18563), (311, 18584), (324, 18626), (330, 18659), (347, 18770), (349, 18773), (356, 18800), (358, 18806), (369, 18860), (370, 18863), (377, 18890), (394, 18965), (396, 18977), (397, 18980), (408, 19046), (411, 19067), (412, 19070), (415, 19091), (417, 19100), (430, 19160), (431, 19163), (439, 19199), (441, 19217), (446, 19229), (448, 19238), (456, 19265), (465, 19322), (466, 19334), (470, 19352), (472, 19361), (473, 19373), (478, 19409), (482, 19439), (486, 19448), (488, 19460), (498, 19520), (504, 19574), (515, 19634), (520, 19676), (542, 19811), (546, 19835), (553, 19889), (558, 19937), (568, 19979), (570, 20003), (571, 20006),

Gene: Pokerus_26 Start: 20829, Stop: 23261, Start Num: 57

Candidate Starts for Pokerus_26:

(Start: 57 @20829 has 90 MA's), (95, 20928), (166, 21189), (171, 21210), (204, 21417), (212, 21450), (218, 21480), (242, 21552), (247, 21576), (295, 21774), (302, 21819), (306, 21831), (309, 21840), (324, 21891), (354, 22071), (359, 22086), (373, 22155), (377, 22167), (389, 22230), (397, 22272), (405, 22311), (406, 22317), (407, 22326), (410, 22347), (423, 22407), (450, 22524), (458, 22566), (470, 22638), (472, 22647), (476, 22668), (487, 22740), (492, 22761), (504, 22857), (527, 23004), (539, 23085), (558, 23232),

Gene: Policronamos_26 Start: 22312, Stop: 24708, Start Num: 66

Candidate Starts for Policronamos_26:

(Start: 66 @22312 has 122 MA's), (128, 22489), (132, 22510), (178, 22657), (200, 22798), (205, 22831), (214, 22864), (220, 22900), (245, 22993), (266, 23053), (271, 23071), (290, 23152), (342, 23380), (347, 23425), (394, 23620), (395, 23626), (397, 23635), (405, 23680), (407, 23695), (439, 23851), (441, 23869), (444, 23878), (458, 23932), (470, 24007), (503, 24220), (505, 24232), (527, 24346), (558, 24562), (571, 24646), (575, 24670), (577, 24679),

Gene: Polka14_19 Start: 17940, Stop: 20477, Start Num: 30

Candidate Starts for Polka14_19:

(Start: 25 @17928 has 3 MA's), (Start: 30 @17940 has 239 MA's), (36, 17961), (Start: 46 @17982 has 1 MA's), (60, 18021), (93, 18090), (99, 18099), (100, 18102), (105, 18120), (120, 18168), (131, 18216), (158, 18327), (159, 18330), (171, 18375), (184, 18453), (188, 18477), (199, 18543), (206, 18588), (214, 18618), (215, 18624), (217, 18642), (224, 18666), (226, 18675), (236, 18708), (238, 18714), (245, 18744), (260, 18783), (264, 18795), (266, 18804), (270, 18819), (271, 18822), (295, 18933), (296, 18936), (297, 18945), (298, 18951), (301, 18966), (303, 18969), (311, 18990), (321, 19020), (324, 19032), (330, 19065), (347, 19176), (349, 19179), (356, 19206), (358, 19212), (369, 19266), (370, 19269), (394, 19371), (396, 19383), (397, 19386), (408, 19452), (412, 19476), (415, 19497), (417, 19506), (430, 19566), (431, 19569), (439, 19605), (441, 19623), (448, 19644), (456, 19671),

(466, 19740), (470, 19758), (472, 19767), (473, 19779), (478, 19815), (488, 19866), (493, 19884), (498, 19926), (504, 19980), (520, 20082), (542, 20217), (546, 20241), (553, 20295), (565, 20364), (570, 20409), (571, 20412),

Gene: Pollywog_21 Start: 18605, Stop: 21094, Start Num: 30

Candidate Starts for Pollywog_21:

(Start: 30 @18605 has 239 MA's), (36, 18626), (Start: 46 @18647 has 1 MA's), (61, 18686), (93, 18755), (99, 18764), (100, 18767), (105, 18785), (120, 18833), (131, 18881), (148, 18935), (159, 18971), (161, 18977), (162, 18980), (169, 18998), (174, 19022), (180, 19046), (190, 19109), (203, 19193), (206, 19202), (214, 19226), (217, 19250), (224, 19274), (225, 19280), (232, 19301), (238, 19322), (245, 19352), (258, 19382), (264, 19403), (287, 19496), (290, 19511), (291, 19520), (295, 19541), (296, 19544), (321, 19628), (322, 19631), (324, 19640), (329, 19667), (331, 19676), (337, 19715), (340, 19736), (342, 19739), (346, 19775), (351, 19796), (369, 19874), (370, 19877), (385, 19931), (396, 19991), (412, 20084), (414, 20102), (415, 20105), (424, 20141), (435, 20195), (437, 20204), (455, 20282), (458, 20300), (463, 20336), (464, 20339), (466, 20357), (467, 20360), (470, 20375), (473, 20396), (478, 20432), (480, 20444), (495, 20507), (498, 20540), (507, 20627), (518, 20675), (519, 20699), (524, 20726), (527, 20735), (532, 20774), (538, 20813), (542, 20837), (545, 20858), (558, 20954), (565, 20975), (574, 21038), (577, 21065), (578, 21074),

Gene: PopTart_18 Start: 17445, Stop: 19982, Start Num: 30

Candidate Starts for PopTart_18:

(Start: 25 @17433 has 3 MA's), (Start: 30 @17445 has 239 MA's), (36, 17466), (Start: 46 @17487 has 1 MA's), (60, 17526), (93, 17595), (99, 17604), (100, 17607), (105, 17625), (115, 17658), (120, 17673), (158, 17832), (159, 17835), (171, 17880), (184, 17958), (188, 17982), (199, 18048), (214, 18123), (215, 18129), (217, 18147), (224, 18171), (225, 18177), (226, 18180), (236, 18213), (238, 18219), (245, 18249), (255, 18270), (264, 18300), (266, 18309), (286, 18390), (297, 18450), (298, 18456), (301, 18471), (303, 18474), (311, 18495), (324, 18537), (330, 18570), (331, 18573), (356, 18711), (358, 18717), (369, 18771), (370, 18774), (377, 18801), (394, 18876), (396, 18888), (397, 18891), (408, 18957), (412, 18981), (415, 19002), (417, 19011), (430, 19071), (431, 19074), (439, 19110), (441, 19128), (448, 19149), (466, 19245), (470, 19263), (472, 19272), (473, 19284), (478, 19320), (482, 19350), (498, 19431), (504, 19485), (520, 19587), (542, 19722), (546, 19746), (553, 19800), (558, 19848), (568, 19890), (570, 19914), (571, 19917),

Gene: Porcelain_35 Start: 27554, Stop: 30061, Start Num: 30

Candidate Starts for Porcelain_35:

(Start: 30 @27554 has 239 MA's), (105, 27749), (115, 27785), (120, 27800), (142, 27887), (148, 27902), (171, 27977), (174, 27989), (181, 28016), (196, 28121), (203, 28160), (206, 28169), (214, 28193), (215, 28199), (217, 28217), (222, 28235), (226, 28250), (229, 28259), (232, 28268), (236, 28283), (243, 28310), (245, 28319), (260, 28358), (264, 28370), (266, 28379), (287, 28463), (303, 28544), (313, 28574), (314, 28577), (324, 28607), (329, 28634), (331, 28643), (339, 28694), (340, 28703), (342, 28706), (346, 28742), (351, 28763), (361, 28799), (395, 28952), (405, 29006), (412, 29051), (414, 29069), (415, 29072), (424, 29111), (455, 29258), (457, 29267), (467, 29336), (470, 29351), (498, 29516), (507, 29603), (518, 29651), (527, 29702), (538, 29780), (572, 30002), (574, 30005), (577, 30032),

Gene: Porky_26 Start: 22121, Stop: 24517, Start Num: 66

Candidate Starts for Porky_26:

(Start: 66 @22121 has 122 MA's), (128, 22298), (132, 22319), (178, 22466), (200, 22607), (205, 22640), (214, 22673), (220, 22709), (245, 22802), (266, 22862), (271, 22880), (299, 23012), (313, 23057), (342, 23189), (347, 23234), (365, 23294), (391, 23408), (394, 23429), (402, 23468), (405, 23489), (407, 23504), (437, 23654), (439, 23660), (441, 23678), (457, 23732), (470, 23816), (486, 23909), (527, 24155), (558, 24371), (571, 24455), (577, 24488),

Gene: Priscilla_18 Start: 17407, Stop: 19959, Start Num: 30

Candidate Starts for Priscilla_18:

(Start: 30 @17407 has 239 MA's), (60, 17488), (93, 17557), (99, 17566), (100, 17569), (105, 17587), (120, 17635), (130, 17680), (158, 17794), (159, 17797), (163, 17809), (169, 17830), (170, 17839), (171, 17842), (181, 17890), (184, 17920), (194, 17986), (200, 18019), (206, 18055), (211, 18079), (225, 18139), (226, 18142), (232, 18160), (252, 18223), (254, 18226), (260, 18244), (266, 18265), (271, 18283), (277, 18310), (282, 18331), (290, 18364), (297, 18406), (298, 18412), (299, 18415), (303, 18430), (312, 18457), (313, 18460), (321, 18481), (324, 18493), (330, 18526), (345, 18619), (369, 18727), (375, 18751), (377, 18757), (382, 18775), (383, 18778), (388, 18802), (394, 18832), (399, 18856), (405, 18892), (406, 18898), (407, 18907), (411, 18934), (422, 18997), (426, 19021), (427, 19036), (437, 19078), (451, 19129), (467, 19225), (470, 19240), (472, 19249), (476, 19273), (486, 19336), (495, 19372), (540, 19678), (546, 19723), (558, 19825),

Gene: Prithvi_27 Start: 20846, Stop: 23278, Start Num: 57

Candidate Starts for Prithvi_27:

(Start: 57 @20846 has 90 MA's), (95, 20945), (166, 21206), (204, 21434), (212, 21467), (218, 21497), (242, 21569), (247, 21593), (264, 21638), (295, 21791), (302, 21836), (306, 21848), (309, 21857), (319, 21893), (324, 21908), (354, 22088), (359, 22103), (373, 22172), (377, 22184), (389, 22247), (397, 22289), (405, 22328), (406, 22334), (407, 22343), (410, 22364), (423, 22424), (450, 22541), (458, 22583), (470, 22655), (472, 22664), (476, 22685), (487, 22757), (492, 22778), (504, 22874), (539, 23102), (558, 23249),

Gene: Puissant_28 Start: 26145, Stop: 28988, Start Num: 2

Candidate Starts for Puissant_28:

(Start: 2 @26145 has 8 MA's), (7, 26247), (10, 26277), (11, 26289), (13, 26298), (27, 26373), (45, 26427), (47, 26433), (51, 26454), (Start: 57 @26475 has 90 MA's), (68, 26502), (132, 26715), (136, 26727), (158, 26808), (161, 26817), (181, 26904), (182, 26910), (190, 26964), (211, 27093), (215, 27105), (245, 27225), (255, 27246), (290, 27384), (324, 27510), (370, 27747), (388, 27819), (396, 27861), (399, 27873), (414, 27972), (433, 28068), (478, 28308), (498, 28416), (528, 28608), (531, 28641), (535, 28665), (538, 28683), (552, 28785), (566, 28863), (573, 28920), (577, 28950), (579, 28965),

Gene: Pumpkin_28 Start: 22364, Stop: 24760, Start Num: 66

Candidate Starts for Pumpkin_28:

(Start: 66 @22364 has 122 MA's), (128, 22541), (132, 22562), (178, 22709), (205, 22883), (214, 22916), (220, 22952), (245, 23045), (266, 23105), (271, 23123), (299, 23255), (313, 23300), (342, 23432), (347, 23477), (365, 23537), (391, 23651), (394, 23672), (402, 23711), (405, 23732), (407, 23747), (437, 23897), (439, 23903), (441, 23921), (457, 23975), (470, 24059), (486, 24152), (527, 24398), (558, 24614), (571, 24698), (577, 24731),

Gene: Pygmy_20 Start: 18761, Stop: 21265, Start Num: 25

Candidate Starts for Pygmy_20:

(Start: 25 @18761 has 3 MA's), (29, 18770), (81, 18914), (187, 19319), (191, 19334), (194, 19364), (195, 19370), (199, 19388), (224, 19496), (238, 19547), (271, 19658), (272, 19661), (279, 19700), (290, 19733), (303, 19799), (324, 19859), (329, 19886), (330, 19892), (394, 20198), (405, 20258), (410, 20306), (411, 20309), (414, 20330), (415, 20333), (470, 20594), (493, 20717), (494, 20720), (504, 20810), (514, 20867), (517, 20888), (534, 20948), (566, 21149), (569, 21191),

Gene: Quallification_27 Start: 22490, Stop: 24886, Start Num: 66

Candidate Starts for Quallification_27:

(Start: 66 @22490 has 122 MA's), (128, 22667), (132, 22688), (178, 22835), (200, 22976), (205, 23009), (214, 23042), (220, 23078), (245, 23171), (266, 23231), (271, 23249), (299, 23381), (313, 23426), (342, 23558), (347, 23603), (365, 23663), (391, 23777), (394, 23798), (402, 23837), (405,

23858), (407, 23873), (437, 24023), (439, 24029), (441, 24047), (457, 24101), (470, 24185), (486, 24278), (527, 24524), (558, 24740), (571, 24824), (577, 24857),

Gene: QuickMath_19 Start: 18743, Stop: 21280, Start Num: 30

Candidate Starts for QuickMath_19:

(Start: 25 @18731 has 3 MA's), (Start: 30 @18743 has 239 MA's), (36, 18764), (Start: 46 @18785 has 1 MA's), (60, 18824), (93, 18893), (99, 18902), (100, 18905), (105, 18923), (115, 18956), (120, 18971), (131, 19019), (158, 19130), (159, 19133), (168, 19163), (170, 19175), (171, 19178), (184, 19256), (188, 19280), (199, 19346), (206, 19391), (214, 19421), (215, 19427), (217, 19445), (224, 19469), (226, 19478), (236, 19511), (238, 19517), (245, 19547), (260, 19586), (264, 19598), (266, 19607), (270, 19622), (271, 19625), (295, 19736), (296, 19739), (297, 19748), (298, 19754), (301, 19769), (303, 19772), (311, 19793), (321, 19823), (324, 19835), (330, 19868), (347, 19979), (349, 19982), (356, 20009), (358, 20015), (369, 20069), (370, 20072), (392, 20159), (394, 20174), (396, 20186), (397, 20189), (408, 20255), (412, 20279), (415, 20300), (417, 20309), (426, 20351), (430, 20369), (431, 20372), (439, 20408), (441, 20426), (446, 20438), (448, 20447), (456, 20474), (466, 20543), (470, 20561), (472, 20570), (473, 20582), (478, 20618), (482, 20648), (488, 20669), (495, 20693), (498, 20729), (504, 20783), (515, 20843), (520, 20885), (533, 20963), (542, 21020), (546, 21044), (553, 21098), (558, 21146), (568, 21188), (570, 21212), (571, 21215),

Gene: Quico_19 Start: 17227, Stop: 19764, Start Num: 30

Candidate Starts for Quico_19:

(Start: 30 @17227 has 239 MA's), (36, 17248), (Start: 46 @17269 has 1 MA's), (60, 17308), (93, 17377), (99, 17386), (100, 17389), (105, 17407), (115, 17440), (120, 17455), (131, 17503), (158, 17614), (159, 17617), (168, 17647), (171, 17662), (184, 17740), (188, 17764), (199, 17830), (206, 17875), (214, 17905), (215, 17911), (217, 17929), (224, 17953), (226, 17962), (236, 17995), (238, 18001), (245, 18031), (260, 18070), (266, 18091), (270, 18106), (271, 18109), (296, 18223), (297, 18232), (298, 18238), (303, 18256), (311, 18277), (321, 18307), (324, 18319), (330, 18352), (347, 18463), (349, 18466), (356, 18493), (358, 18499), (369, 18553), (370, 18556), (392, 18643), (394, 18658), (397, 18673), (412, 18763), (415, 18784), (417, 18793), (430, 18853), (431, 18856), (437, 18886), (441, 18910), (448, 18931), (466, 19027), (470, 19045), (472, 19054), (473, 19066), (478, 19102), (482, 19132), (488, 19153), (495, 19177), (498, 19213), (504, 19267), (515, 19327), (520, 19369), (533, 19447), (542, 19504), (546, 19528), (553, 19582), (558, 19630), (568, 19672), (570, 19696), (571, 19699),

Gene: QuincyRose_26 Start: 20892, Stop: 23324, Start Num: 57

Candidate Starts for QuincyRose_26:

(Start: 57 @20892 has 90 MA's), (95, 20991), (166, 21252), (171, 21273), (204, 21480), (212, 21513), (218, 21543), (242, 21615), (247, 21639), (264, 21684), (295, 21837), (302, 21882), (306, 21894), (309, 21903), (324, 21954), (354, 22134), (359, 22149), (373, 22218), (377, 22230), (389, 22293), (397, 22335), (405, 22374), (406, 22380), (407, 22389), (410, 22410), (423, 22470), (450, 22587), (458, 22629), (470, 22701), (472, 22710), (476, 22731), (487, 22803), (492, 22824), (504, 22920), (515, 22983), (527, 23067), (533, 23109), (539, 23148),

Gene: Radiance_18 Start: 17380, Stop: 19917, Start Num: 30

Candidate Starts for Radiance_18:

(Start: 25 @17368 has 3 MA's), (Start: 30 @17380 has 239 MA's), (36, 17401), (Start: 46 @17422 has 1 MA's), (60, 17461), (93, 17530), (99, 17539), (100, 17542), (105, 17560), (115, 17593), (120, 17608), (131, 17656), (157, 17761), (158, 17767), (159, 17770), (170, 17812), (171, 17815), (188, 17917), (199, 17983), (206, 18028), (214, 18058), (215, 18064), (217, 18082), (224, 18106), (226, 18115), (236, 18148), (238, 18154), (245, 18184), (264, 18235), (266, 18244), (291, 18352), (294, 18364), (295, 18373), (296, 18376), (298, 18391), (301, 18406), (303, 18409), (311, 18430), (321, 18460), (324, 18472), (330, 18505), (347, 18616), (349, 18619), (356, 18646), (358, 18652), (369, 18706), (370, 18709), (377, 18736), (394, 18811), (396, 18823), (397, 18826), (408, 18892), (411, 18913),

(412, 18916), (415, 18937), (417, 18946), (430, 19006), (431, 19009), (437, 19039), (441, 19063), (446, 19075), (448, 19084), (466, 19180), (470, 19198), (472, 19207), (473, 19219), (482, 19285), (486, 19294), (488, 19306), (495, 19330), (498, 19366), (520, 19522), (542, 19657), (546, 19681), (553, 19735), (565, 19804), (570, 19849), (571, 19852),

Gene: Rakim_27 Start: 22397, Stop: 24793, Start Num: 66

Candidate Starts for Rakim_27:

(Start: 66 @22397 has 122 MA's), (128, 22574), (132, 22595), (178, 22742), (200, 22883), (205, 22916), (214, 22949), (220, 22985), (245, 23078), (266, 23138), (271, 23156), (290, 23237), (342, 23465), (347, 23510), (394, 23705), (395, 23711), (397, 23720), (405, 23765), (407, 23780), (439, 23936), (441, 23954), (444, 23963), (458, 24017), (470, 24092), (471, 24095), (503, 24305), (505, 24317), (527, 24431), (558, 24647), (571, 24731), (575, 24755), (577, 24764),

Gene: Ramen_27 Start: 20878, Stop: 23310, Start Num: 57

Candidate Starts for Ramen_27:

(Start: 57 @20878 has 90 MA's), (95, 20977), (166, 21238), (171, 21259), (204, 21466), (212, 21499), (218, 21529), (242, 21601), (247, 21625), (295, 21823), (302, 21868), (306, 21880), (309, 21889), (324, 21940), (354, 22120), (359, 22135), (373, 22204), (377, 22216), (389, 22279), (397, 22321), (405, 22360), (406, 22366), (407, 22375), (410, 22396), (423, 22456), (450, 22573), (458, 22615), (470, 22687), (472, 22696), (476, 22717), (487, 22789), (492, 22810), (504, 22906), (527, 23053), (539, 23134), (558, 23281),

Gene: Ramsey_19 Start: 17429, Stop: 19966, Start Num: 30

Candidate Starts for Ramsey_19:

(Start: 30 @17429 has 239 MA's), (36, 17450), (Start: 46 @17471 has 1 MA's), (60, 17510), (93, 17579), (99, 17588), (100, 17591), (105, 17609), (120, 17657), (158, 17816), (159, 17819), (171, 17864), (184, 17942), (188, 17966), (199, 18032), (214, 18107), (215, 18113), (217, 18131), (224, 18155), (225, 18161), (226, 18164), (236, 18197), (238, 18203), (245, 18233), (255, 18254), (264, 18284), (266, 18293), (291, 18401), (294, 18413), (295, 18422), (296, 18425), (298, 18440), (301, 18455), (303, 18458), (311, 18479), (324, 18521), (330, 18554), (347, 18665), (349, 18668), (356, 18695), (358, 18701), (369, 18755), (370, 18758), (377, 18785), (394, 18860), (396, 18872), (397, 18875), (408, 18941), (411, 18962), (412, 18965), (415, 18986), (417, 18995), (426, 19037), (430, 19055), (431, 19058), (437, 19088), (441, 19112), (446, 19124), (448, 19133), (466, 19229), (470, 19247), (472, 19256), (473, 19268), (478, 19304), (482, 19334), (486, 19343), (488, 19355), (498, 19415), (504, 19469), (515, 19529), (520, 19571), (542, 19706), (546, 19730), (553, 19784), (558, 19832), (568, 19874), (570, 19898), (571, 19901),

Gene: Rapunzel97_27 Start: 20879, Stop: 23311, Start Num: 57

Candidate Starts for Rapunzel97_27:

(Start: 57 @20879 has 90 MA's), (95, 20978), (166, 21239), (171, 21260), (204, 21467), (212, 21500), (218, 21530), (242, 21602), (247, 21626), (264, 21671), (295, 21824), (302, 21869), (306, 21881), (309, 21890), (324, 21941), (354, 22121), (359, 22136), (373, 22205), (377, 22217), (397, 22322), (405, 22361), (406, 22367), (407, 22376), (423, 22457), (432, 22505), (451, 22580), (458, 22616), (472, 22697), (476, 22718), (492, 22811), (504, 22907), (527, 23054), (533, 23096), (539, 23135), (550, 23210),

Gene: RedBird_18 Start: 17357, Stop: 19894, Start Num: 30

Candidate Starts for RedBird_18:

(Start: 30 @17357 has 239 MA's), (36, 17378), (Start: 46 @17399 has 1 MA's), (60, 17438), (93, 17507), (99, 17516), (100, 17519), (105, 17537), (120, 17585), (157, 17738), (159, 17747), (171, 17792), (187, 17891), (188, 17894), (199, 17960), (214, 18035), (215, 18041), (217, 18059), (224, 18083), (225, 18089), (226, 18092), (236, 18125), (238, 18131), (245, 18161), (255, 18182), (264, 18212), (266, 18221), (270, 18236), (271, 18239), (295, 18350), (296, 18353), (297, 18362), (298,

18368), (301, 18383), (303, 18386), (311, 18407), (321, 18437), (324, 18449), (330, 18482), (347, 18593), (349, 18596), (356, 18623), (358, 18629), (369, 18683), (370, 18686), (392, 18773), (394, 18788), (396, 18800), (397, 18803), (408, 18869), (412, 18893), (415, 18914), (417, 18923), (430, 18983), (431, 18986), (439, 19022), (441, 19040), (446, 19052), (448, 19061), (456, 19088), (465, 19145), (466, 19157), (470, 19175), (472, 19184), (473, 19196), (478, 19232), (482, 19262), (486, 19271), (488, 19283), (498, 19343), (504, 19397), (515, 19457), (520, 19499), (542, 19634), (546, 19658), (553, 19712), (558, 19760), (568, 19802), (570, 19826), (571, 19829),

Gene: Renaud18_20 Start: 17833, Stop: 20313, Start Num: 32

Candidate Starts for Renaud18_20:

(Start: 32 @17833 has 3 MA's), (35, 17839), (36, 17845), (Start: 66 @17908 has 122 MA's), (69, 17911), (81, 17938), (102, 17992), (105, 18001), (115, 18034), (124, 18067), (131, 18100), (142, 18139), (148, 18154), (159, 18190), (161, 18196), (162, 18199), (169, 18217), (171, 18229), (174, 18241), (180, 18265), (181, 18268), (203, 18412), (206, 18421), (214, 18445), (217, 18469), (224, 18493), (225, 18499), (232, 18520), (238, 18541), (245, 18571), (258, 18601), (264, 18622), (287, 18715), (290, 18730), (291, 18739), (295, 18760), (296, 18763), (307, 18805), (321, 18847), (322, 18850), (324, 18859), (329, 18886), (337, 18934), (340, 18955), (342, 18958), (346, 18994), (351, 19015), (369, 19093), (370, 19096), (385, 19150), (396, 19210), (412, 19303), (415, 19324), (424, 19360), (435, 19414), (437, 19423), (455, 19501), (458, 19519), (463, 19555), (464, 19558), (466, 19576), (467, 19579), (470, 19594), (473, 19615), (478, 19651), (480, 19663), (495, 19726), (498, 19759), (507, 19846), (518, 19894), (519, 19918), (524, 19945), (527, 19954), (532, 19993), (538, 20032), (542, 20056), (545, 20077), (558, 20173), (565, 20194), (574, 20257), (577, 20284), (578, 20293),

Gene: Rialto_20 Start: 17909, Stop: 20446, Start Num: 30

Candidate Starts for Rialto_20:

(Start: 30 @17909 has 239 MA's), (36, 17930), (Start: 46 @17951 has 1 MA's), (60, 17990), (93, 18059), (99, 18068), (100, 18071), (105, 18089), (120, 18137), (157, 18290), (159, 18299), (171, 18344), (187, 18443), (188, 18446), (199, 18512), (214, 18587), (215, 18593), (217, 18611), (224, 18635), (225, 18641), (226, 18644), (236, 18677), (238, 18683), (245, 18713), (255, 18734), (264, 18764), (266, 18773), (270, 18788), (271, 18791), (295, 18902), (296, 18905), (297, 18914), (298, 18920), (301, 18935), (303, 18938), (311, 18959), (321, 18989), (324, 19001), (330, 19034), (347, 19145), (349, 19148), (356, 19175), (358, 19181), (369, 19235), (370, 19238), (394, 19340), (396, 19352), (397, 19355), (408, 19421), (412, 19445), (415, 19466), (417, 19475), (430, 19535), (431, 19538), (439, 19574), (441, 19592), (446, 19604), (448, 19613), (456, 19640), (465, 19697), (466, 19709), (470, 19727), (472, 19736), (473, 19748), (478, 19784), (482, 19814), (486, 19823), (488, 19835), (498, 19895), (504, 19949), (515, 20009), (520, 20051), (542, 20186), (546, 20210), (553, 20264), (558, 20312), (568, 20354), (570, 20378), (571, 20381),

Gene: Rimmer_25 Start: 21850, Stop: 24246, Start Num: 66

Candidate Starts for Rimmer_25:

(Start: 66 @21850 has 122 MA's), (128, 22027), (132, 22048), (178, 22195), (200, 22336), (205, 22369), (214, 22402), (220, 22438), (245, 22531), (266, 22591), (271, 22609), (299, 22741), (313, 22786), (342, 22918), (347, 22963), (391, 23137), (394, 23158), (402, 23197), (405, 23218), (407, 23233), (439, 23389), (441, 23407), (457, 23461), (470, 23545), (486, 23638), (527, 23884), (558, 24100), (571, 24184), (577, 24217),

Gene: Rita_18 Start: 17410, Stop: 19947, Start Num: 30

Candidate Starts for Rita_18:

(Start: 30 @17410 has 239 MA's), (70, 17500), (93, 17560), (99, 17569), (100, 17572), (105, 17590), (120, 17638), (130, 17683), (158, 17797), (159, 17800), (168, 17830), (170, 17842), (171, 17845), (184, 17923), (188, 17947), (199, 18013), (206, 18058), (214, 18088), (215, 18094), (217, 18112), (224, 18136), (226, 18145), (236, 18178), (238, 18184), (245, 18214), (260, 18253), (264, 18265),

(266, 18274), (270, 18289), (271, 18292), (295, 18403), (296, 18406), (297, 18415), (298, 18421), (301, 18436), (303, 18439), (311, 18460), (321, 18490), (324, 18502), (330, 18535), (347, 18646), (349, 18649), (356, 18676), (358, 18682), (369, 18736), (370, 18739), (394, 18841), (396, 18853), (397, 18856), (408, 18922), (412, 18946), (415, 18967), (417, 18976), (430, 19036), (431, 19039), (439, 19075), (441, 19093), (446, 19105), (448, 19114), (456, 19141), (466, 19210), (470, 19228), (472, 19237), (473, 19249), (478, 19285), (482, 19315), (488, 19336), (495, 19360), (498, 19396), (504, 19450), (515, 19510), (520, 19552), (533, 19630), (542, 19687), (546, 19711), (553, 19765), (558, 19813), (568, 19855), (570, 19879), (571, 19882),

Gene: RitaG_18 Start: 17539, Stop: 20091, Start Num: 30

Candidate Starts for RitaG_18:

(Start: 30 @17539 has 239 MA's), (36, 17560), (Start: 46 @17581 has 1 MA's), (60, 17620), (93, 17689), (99, 17698), (100, 17701), (105, 17719), (115, 17752), (120, 17767), (131, 17815), (158, 17926), (159, 17929), (169, 17962), (170, 17971), (171, 17974), (184, 18052), (194, 18118), (200, 18151), (210, 18205), (214, 18217), (224, 18265), (226, 18274), (229, 18283), (239, 18316), (254, 18358), (259, 18373), (268, 18403), (269, 18409), (270, 18412), (271, 18415), (277, 18442), (282, 18463), (290, 18496), (297, 18538), (298, 18544), (299, 18547), (301, 18559), (303, 18562), (312, 18589), (321, 18613), (324, 18625), (330, 18658), (334, 18679), (345, 18751), (349, 18772), (375, 18883), (382, 18907), (383, 18910), (388, 18934), (394, 18964), (399, 18988), (405, 19024), (406, 19030), (407, 19039), (422, 19129), (426, 19153), (427, 19168), (437, 19210), (439, 19216), (451, 19261), (467, 19357), (470, 19372), (472, 19381), (476, 19405), (486, 19468), (504, 19594), (540, 19810), (546, 19855), (558, 19957), (574, 20035),

Gene: RiverMonster_26 Start: 22039, Stop: 24435, Start Num: 66

Candidate Starts for RiverMonster_26:

(Start: 66 @22039 has 122 MA's), (128, 22216), (132, 22237), (178, 22384), (205, 22558), (214, 22591), (220, 22627), (245, 22720), (266, 22780), (271, 22798), (299, 22930), (313, 22975), (342, 23107), (347, 23152), (365, 23212), (391, 23326), (394, 23347), (402, 23386), (405, 23407), (407, 23422), (437, 23572), (439, 23578), (441, 23596), (457, 23650), (470, 23734), (486, 23827), (527, 24073), (558, 24289), (571, 24373), (577, 24406),

Gene: Rockne_18 Start: 17383, Stop: 19920, Start Num: 30

Candidate Starts for Rockne_18:

(Start: 30 @17383 has 239 MA's), (70, 17473), (93, 17533), (99, 17542), (100, 17545), (105, 17563), (120, 17611), (131, 17659), (157, 17764), (158, 17770), (159, 17773), (170, 17815), (171, 17818), (188, 17920), (199, 17986), (206, 18031), (214, 18061), (215, 18067), (217, 18085), (224, 18109), (226, 18118), (236, 18151), (238, 18157), (255, 18208), (260, 18226), (264, 18238), (266, 18247), (270, 18262), (272, 18268), (295, 18376), (297, 18388), (298, 18394), (301, 18409), (303, 18412), (311, 18433), (321, 18463), (324, 18475), (330, 18508), (342, 18574), (347, 18619), (349, 18622), (356, 18649), (358, 18655), (369, 18709), (370, 18712), (377, 18739), (394, 18814), (396, 18826), (397, 18829), (408, 18895), (411, 18916), (412, 18919), (417, 18949), (426, 18991), (430, 19009), (431, 19012), (437, 19042), (441, 19066), (446, 19078), (448, 19087), (466, 19183), (470, 19201), (472, 19210), (473, 19222), (482, 19288), (486, 19297), (488, 19309), (498, 19369), (520, 19525), (542, 19660), (546, 19684), (553, 19738), (565, 19807), (570, 19852), (571, 19855),

Gene: RockyHorror_19 Start: 17258, Stop: 19795, Start Num: 30

Candidate Starts for RockyHorror_19:

(Start: 30 @17258 has 239 MA's), (36, 17279), (Start: 46 @17300 has 1 MA's), (60, 17339), (93, 17408), (99, 17417), (100, 17420), (105, 17438), (120, 17486), (157, 17639), (159, 17648), (171, 17693), (187, 17792), (188, 17795), (199, 17861), (214, 17936), (215, 17942), (217, 17960), (224, 17984), (225, 17990), (226, 17993), (236, 18026), (238, 18032), (245, 18062), (255, 18083), (264, 18113), (266, 18122), (270, 18137), (271, 18140), (295, 18251), (296, 18254), (297, 18263), (298, 18269), (301, 18284), (303, 18287), (311, 18308), (321, 18338), (324, 18350), (330, 18383), (347,

18494), (349, 18497), (356, 18524), (358, 18530), (369, 18584), (370, 18587), (392, 18674), (394, 18689), (396, 18701), (397, 18704), (408, 18770), (412, 18794), (415, 18815), (417, 18824), (430, 18884), (431, 18887), (439, 18923), (441, 18941), (446, 18953), (448, 18962), (456, 18989), (465, 19046), (466, 19058), (470, 19076), (472, 19085), (473, 19097), (478, 19133), (482, 19163), (486, 19172), (488, 19184), (498, 19244), (504, 19298), (515, 19358), (520, 19400), (542, 19535), (546, 19559), (553, 19613), (558, 19661), (568, 19703), (570, 19727), (571, 19730),

Gene: Rosmarinus_27 Start: 20900, Stop: 23332, Start Num: 57

Candidate Starts for Rosmarinus_27:

(Start: 57 @20900 has 90 MA's), (95, 20999), (166, 21260), (171, 21281), (204, 21488), (212, 21521), (218, 21551), (242, 21623), (247, 21647), (295, 21845), (302, 21890), (306, 21902), (309, 21911), (324, 21962), (354, 22142), (359, 22157), (373, 22226), (377, 22238), (389, 22301), (397, 22343), (405, 22382), (406, 22388), (407, 22397), (410, 22418), (423, 22478), (450, 22595), (458, 22637), (470, 22709), (472, 22718), (476, 22739), (487, 22811), (492, 22832), (504, 22928), (527, 23075), (539, 23156), (558, 23303),

Gene: Royals2015_18 Start: 17417, Stop: 19948, Start Num: 30

Candidate Starts for Royals2015_18:

(Start: 30 @17417 has 239 MA's), (36, 17438), (70, 17507), (93, 17567), (99, 17576), (100, 17579), (105, 17597), (115, 17630), (120, 17645), (130, 17690), (158, 17804), (159, 17807), (163, 17819), (169, 17840), (170, 17849), (171, 17852), (184, 17930), (194, 17996), (200, 18029), (206, 18065), (211, 18089), (225, 18149), (226, 18152), (232, 18170), (252, 18233), (254, 18236), (260, 18254), (266, 18275), (271, 18293), (277, 18320), (282, 18341), (290, 18374), (298, 18422), (299, 18425), (301, 18437), (303, 18440), (311, 18461), (321, 18491), (324, 18503), (330, 18536), (342, 18602), (347, 18647), (349, 18650), (356, 18677), (358, 18683), (369, 18737), (370, 18740), (377, 18767), (394, 18842), (396, 18854), (397, 18857), (408, 18923), (412, 18947), (417, 18977), (426, 19019), (430, 19037), (431, 19040), (439, 19076), (441, 19094), (448, 19115), (456, 19142), (466, 19211), (470, 19229), (472, 19238), (473, 19250), (478, 19286), (488, 19337), (493, 19355), (498, 19397), (504, 19451), (520, 19553), (533, 19631), (542, 19688), (546, 19712), (553, 19766), (558, 19814), (570, 19880), (571, 19883),

Gene: Ruby_18 Start: 17371, Stop: 19908, Start Num: 30

Candidate Starts for Ruby_18:

(Start: 30 @17371 has 239 MA's), (36, 17392), (Start: 46 @17413 has 1 MA's), (60, 17452), (93, 17521), (99, 17530), (100, 17533), (105, 17551), (115, 17584), (120, 17599), (157, 17752), (159, 17761), (171, 17806), (187, 17905), (188, 17908), (199, 17974), (214, 18049), (215, 18055), (224, 18097), (225, 18103), (226, 18106), (236, 18139), (238, 18145), (245, 18175), (255, 18196), (264, 18226), (266, 18235), (270, 18250), (271, 18253), (295, 18364), (296, 18367), (297, 18376), (298, 18382), (301, 18397), (303, 18400), (311, 18421), (321, 18451), (324, 18463), (330, 18496), (347, 18607), (349, 18610), (356, 18637), (358, 18643), (369, 18697), (370, 18700), (392, 18787), (394, 18802), (396, 18814), (397, 18817), (408, 18883), (412, 18907), (415, 18928), (417, 18937), (426, 18979), (430, 18997), (431, 19000), (437, 19030), (441, 19054), (446, 19066), (448, 19075), (466, 19171), (470, 19189), (472, 19198), (473, 19210), (478, 19246), (482, 19276), (486, 19285), (488, 19297), (498, 19357), (504, 19411), (515, 19471), (520, 19513), (542, 19648), (546, 19672), (553, 19726), (558, 19774), (568, 19816), (570, 19840), (571, 19843),

Gene: Ryadel_62 Start: 36906, Stop: 39416, Start Num: 30

Candidate Starts for Ryadel_62:

(Start: 30 @36906 has 239 MA's), (39, 36939), (63, 37008), (65, 37011), (73, 37035), (81, 37059), (87, 37083), (103, 37116), (155, 37323), (158, 37335), (159, 37338), (191, 37485), (194, 37515), (199, 37539), (206, 37569), (207, 37572), (214, 37599), (217, 37623), (225, 37653), (241, 37710), (260, 37770), (264, 37782), (270, 37806), (271, 37809), (279, 37851), (301, 37947), (303, 37950), (362, 38205), (394, 38349), (405, 38409), (414, 38481), (415, 38484), (436, 38580), (470, 38754), (472,

38763), (473, 38775), (491, 38868), (494, 38880), (504, 38970), (517, 39045), (532, 39090), (564, 39291), (569, 39345), (574, 39360),

Gene: SG4_18 Start: 17548, Stop: 20085, Start Num: 30

Candidate Starts for SG4_18:

(Start: 30 @17548 has 239 MA's), (36, 17569), (Start: 46 @17590 has 1 MA's), (59, 17626), (60, 17629), (93, 17698), (99, 17707), (100, 17710), (105, 17728), (115, 17761), (120, 17776), (131, 17824), (158, 17935), (159, 17938), (168, 17968), (170, 17980), (171, 17983), (184, 18061), (188, 18085), (199, 18151), (206, 18196), (214, 18226), (215, 18232), (217, 18250), (224, 18274), (226, 18283), (236, 18316), (238, 18322), (255, 18373), (260, 18391), (264, 18403), (266, 18412), (270, 18427), (271, 18430), (295, 18541), (296, 18544), (297, 18553), (298, 18559), (301, 18574), (303, 18577), (311, 18598), (321, 18628), (324, 18640), (330, 18673), (342, 18739), (347, 18784), (349, 18787), (356, 18814), (358, 18820), (369, 18874), (370, 18877), (394, 18979), (396, 18991), (397, 18994), (408, 19060), (412, 19084), (415, 19105), (417, 19114), (430, 19174), (431, 19177), (439, 19213), (441, 19231), (446, 19243), (448, 19252), (456, 19279), (466, 19348), (470, 19366), (472, 19375), (473, 19387), (478, 19423), (482, 19453), (488, 19474), (495, 19498), (498, 19534), (504, 19588), (515, 19648), (520, 19690), (542, 19825), (546, 19849), (553, 19903), (558, 19951), (570, 20017), (571, 20020),

Gene: Saal_18 Start: 17383, Stop: 19920, Start Num: 30

Candidate Starts for Saal_18:

(Start: 30 @17383 has 239 MA's), (36, 17404), (Start: 46 @17425 has 1 MA's), (60, 17464), (93, 17533), (99, 17542), (100, 17545), (105, 17563), (120, 17611), (157, 17764), (159, 17773), (171, 17818), (184, 17896), (188, 17920), (199, 17986), (206, 18031), (214, 18061), (215, 18067), (217, 18085), (224, 18109), (226, 18118), (236, 18151), (238, 18157), (245, 18187), (260, 18226), (266, 18247), (270, 18262), (271, 18265), (296, 18379), (297, 18388), (298, 18394), (303, 18412), (311, 18433), (321, 18463), (324, 18475), (330, 18508), (347, 18619), (349, 18622), (356, 18649), (358, 18655), (369, 18709), (370, 18712), (392, 18799), (394, 18814), (397, 18829), (412, 18919), (415, 18940), (417, 18949), (430, 19009), (431, 19012), (439, 19048), (441, 19066), (446, 19078), (448, 19087), (456, 19114), (466, 19183), (470, 19201), (472, 19210), (473, 19222), (478, 19258), (482, 19288), (488, 19309), (495, 19333), (498, 19369), (504, 19423), (520, 19525), (533, 19603), (542, 19660), (546, 19684), (553, 19738), (558, 19786), (568, 19828), (573, 19861), (574, 19864),

Gene: Sabbb_19 Start: 17625, Stop: 20168, Start Num: 30

Candidate Starts for Sabbb_19:

(Start: 30 @17625 has 239 MA's), (36, 17646), (Start: 46 @17667 has 1 MA's), (60, 17706), (93, 17775), (99, 17784), (100, 17787), (105, 17805), (120, 17853), (131, 17901), (158, 18012), (159, 18015), (169, 18048), (171, 18060), (184, 18138), (194, 18204), (200, 18237), (210, 18291), (214, 18303), (225, 18357), (226, 18360), (229, 18369), (239, 18402), (252, 18441), (254, 18444), (259, 18459), (260, 18462), (268, 18489), (269, 18495), (270, 18498), (271, 18501), (277, 18528), (280, 18546), (282, 18549), (297, 18624), (301, 18645), (303, 18648), (312, 18675), (321, 18699), (330, 18744), (331, 18747), (339, 18798), (349, 18861), (351, 18870), (357, 18894), (383, 18999), (384, 19002), (394, 19053), (395, 19059), (396, 19065), (397, 19068), (405, 19113), (407, 19128), (411, 19155), (415, 19179), (426, 19230), (430, 19248), (431, 19251), (432, 19263), (446, 19317), (470, 19440), (479, 19503), (493, 19566), (500, 19641), (534, 19842), (567, 20070), (573, 20109), (574, 20112),

Gene: Saints25_27 Start: 21945, Stop: 24341, Start Num: 66

Candidate Starts for Saints25_27:

(Start: 66 @21945 has 122 MA's), (128, 22122), (132, 22143), (178, 22290), (200, 22431), (205, 22464), (214, 22497), (220, 22533), (245, 22626), (266, 22686), (271, 22704), (299, 22836), (313, 22881), (342, 23013), (347, 23058), (365, 23118), (391, 23232), (394, 23253), (402, 23292), (405, 23313), (407, 23328), (437, 23478), (439, 23484), (441, 23502), (457, 23556), (470, 23640), (486,

23733), (527, 23979), (558, 24195), (571, 24279), (577, 24312),

Gene: SamuelLPlaqson_27 Start: 20840, Stop: 23272, Start Num: 57

Candidate Starts for SamuelLPlaqson_27:

(52, 20822), (Start: 57 @20840 has 90 MA's), (76, 20888), (95, 20939), (166, 21200), (171, 21221), (211, 21458), (212, 21461), (218, 21491), (219, 21494), (242, 21563), (247, 21587), (249, 21593), (253, 21599), (264, 21632), (295, 21785), (306, 21842), (309, 21851), (324, 21902), (354, 22082), (359, 22097), (373, 22166), (377, 22178), (383, 22214), (389, 22241), (397, 22283), (405, 22322), (406, 22328), (407, 22337), (410, 22358), (423, 22418), (430, 22451), (433, 22469), (450, 22535), (458, 22577), (470, 22649), (472, 22658), (476, 22679), (487, 22751), (504, 22868), (527, 23015), (539, 23096), (550, 23171), (558, 23243),

Gene: Sandalphon_19 Start: 17954, Stop: 20491, Start Num: 30

Candidate Starts for Sandalphon_19:

(Start: 25 @17942 has 3 MA's), (Start: 30 @17954 has 239 MA's), (36, 17975), (Start: 46 @17996 has 1 MA's), (60, 18035), (93, 18104), (99, 18113), (100, 18116), (115, 18167), (120, 18182), (131, 18230), (158, 18341), (159, 18344), (168, 18374), (170, 18386), (171, 18389), (184, 18467), (188, 18491), (199, 18557), (206, 18602), (214, 18632), (215, 18638), (217, 18656), (224, 18680), (226, 18689), (236, 18722), (238, 18728), (245, 18758), (260, 18797), (264, 18809), (266, 18818), (270, 18833), (271, 18836), (295, 18947), (296, 18950), (297, 18959), (298, 18965), (301, 18980), (303, 18983), (311, 19004), (321, 19034), (324, 19046), (330, 19079), (347, 19190), (349, 19193), (356, 19220), (358, 19226), (369, 19280), (370, 19283), (394, 19385), (396, 19397), (397, 19400), (408, 19466), (412, 19490), (415, 19511), (417, 19520), (430, 19580), (431, 19583), (439, 19619), (441, 19637), (446, 19649), (448, 19658), (456, 19685), (466, 19754), (470, 19772), (472, 19781), (473, 19793), (478, 19829), (482, 19859), (488, 19880), (495, 19904), (498, 19940), (504, 19994), (515, 20054), (520, 20096), (533, 20174), (542, 20231), (546, 20255), (553, 20309), (558, 20357), (568, 20399), (570, 20423), (571, 20426),

Gene: Sassafras_18 Start: 17532, Stop: 20069, Start Num: 30

Candidate Starts for Sassafras_18:

(Start: 30 @17532 has 239 MA's), (36, 17553), (Start: 46 @17574 has 1 MA's), (60, 17613), (93, 17682), (99, 17691), (100, 17694), (105, 17712), (120, 17760), (131, 17808), (158, 17919), (159, 17922), (171, 17967), (184, 18045), (188, 18069), (199, 18135), (214, 18210), (215, 18216), (217, 18234), (224, 18258), (226, 18267), (236, 18300), (238, 18306), (245, 18336), (255, 18357), (264, 18387), (266, 18396), (291, 18504), (294, 18516), (295, 18525), (296, 18528), (298, 18543), (301, 18558), (303, 18561), (311, 18582), (324, 18624), (330, 18657), (347, 18768), (349, 18771), (356, 18798), (358, 18804), (369, 18858), (370, 18861), (377, 18888), (394, 18963), (396, 18975), (397, 18978), (408, 19044), (411, 19065), (412, 19068), (415, 19089), (417, 19098), (426, 19140), (430, 19158), (431, 19161), (437, 19191), (441, 19215), (446, 19227), (448, 19236), (466, 19332), (470, 19350), (472, 19359), (473, 19371), (478, 19407), (482, 19437), (486, 19446), (488, 19458), (498, 19518), (504, 19572), (515, 19632), (520, 19674), (542, 19809), (546, 19833), (553, 19887), (558, 19935), (568, 19977), (570, 20001), (571, 20004),

Gene: Sassay_25 Start: 21788, Stop: 24184, Start Num: 66

Candidate Starts for Sassay_25:

(Start: 66 @21788 has 122 MA's), (128, 21965), (132, 21986), (178, 22133), (200, 22274), (205, 22307), (214, 22340), (220, 22376), (245, 22469), (266, 22529), (271, 22547), (299, 22679), (313, 22724), (342, 22856), (347, 22901), (365, 22961), (391, 23075), (394, 23096), (402, 23135), (405, 23156), (407, 23171), (437, 23321), (439, 23327), (441, 23345), (457, 23399), (470, 23483), (486, 23576), (527, 23822), (558, 24038), (571, 24122), (577, 24155),

Gene: SassyB_18 Start: 17445, Stop: 19982, Start Num: 30

Candidate Starts for SassyB_18:

(Start: 25 @17433 has 3 MA's), (Start: 30 @17445 has 239 MA's), (36, 17466), (Start: 46 @17487 has 1 MA's), (60, 17526), (93, 17595), (99, 17604), (100, 17607), (105, 17625), (115, 17658), (120, 17673), (158, 17832), (159, 17835), (171, 17880), (184, 17958), (188, 17982), (199, 18048), (214, 18123), (215, 18129), (217, 18147), (224, 18171), (225, 18177), (226, 18180), (236, 18213), (238, 18219), (245, 18249), (255, 18270), (264, 18300), (266, 18309), (286, 18390), (297, 18450), (298, 18456), (301, 18471), (303, 18474), (311, 18495), (324, 18537), (330, 18570), (331, 18573), (356, 18711), (358, 18717), (369, 18771), (370, 18774), (377, 18801), (394, 18876), (396, 18888), (397, 18891), (408, 18957), (412, 18981), (415, 19002), (417, 19011), (430, 19071), (431, 19074), (439, 19110), (441, 19128), (448, 19149), (466, 19245), (470, 19263), (472, 19272), (473, 19284), (478, 19320), (482, 19350), (498, 19431), (504, 19485), (520, 19587), (542, 19722), (546, 19746), (553, 19800), (558, 19848), (568, 19890), (570, 19914), (571, 19917),

Gene: Scarlett_26 Start: 20115, Stop: 22574, Start Num: 57

Candidate Starts for Scarlett_26:

(Start: 57 @20115 has 90 MA's), (76, 20163), (117, 20286), (130, 20343), (132, 20355), (158, 20448), (165, 20472), (177, 20523), (202, 20685), (225, 20796), (235, 20835), (242, 20859), (276, 20982), (291, 21054), (308, 21141), (328, 21222), (344, 21324), (354, 21378), (368, 21438), (385, 21516), (386, 21528), (389, 21537), (397, 21579), (405, 21624), (407, 21639), (425, 21726), (429, 21750), (438, 21789), (445, 21822), (458, 21879), (476, 21990), (478, 22014), (481, 22035), (493, 22086), (509, 22215), (528, 22320), (558, 22545),

Gene: SchoolBus_58 Start: 36090, Stop: 38600, Start Num: 30

Candidate Starts for SchoolBus_58:

(Start: 30 @36090 has 239 MA's), (39, 36123), (63, 36192), (65, 36195), (73, 36219), (81, 36243), (87, 36267), (103, 36300), (155, 36507), (158, 36519), (159, 36522), (191, 36669), (194, 36699), (199, 36723), (206, 36753), (207, 36756), (214, 36783), (217, 36807), (225, 36837), (241, 36894), (246, 36918), (260, 36954), (264, 36966), (270, 36990), (271, 36993), (279, 37035), (301, 37131), (303, 37134), (362, 37389), (394, 37533), (405, 37593), (414, 37665), (415, 37668), (436, 37764), (470, 37938), (473, 37959), (491, 38052), (494, 38064), (504, 38154), (517, 38229), (532, 38274), (564, 38475), (569, 38529), (574, 38544),

Gene: Schuy_59 Start: 35881, Stop: 38391, Start Num: 30

Candidate Starts for Schuy_59:

(Start: 30 @35881 has 239 MA's), (39, 35914), (63, 35983), (65, 35986), (73, 36010), (81, 36034), (87, 36058), (103, 36091), (155, 36298), (158, 36310), (159, 36313), (191, 36460), (194, 36490), (199, 36514), (206, 36544), (207, 36547), (214, 36574), (217, 36598), (225, 36628), (241, 36685), (246, 36709), (260, 36745), (264, 36757), (270, 36781), (271, 36784), (279, 36826), (301, 36922), (303, 36925), (362, 37180), (394, 37324), (405, 37384), (414, 37456), (415, 37459), (436, 37555), (470, 37729), (473, 37750), (491, 37843), (494, 37855), (504, 37945), (517, 38020), (532, 38065), (564, 38266), (569, 38320), (574, 38335),

Gene: Scottish_19 Start: 18701, Stop: 21238, Start Num: 30

Candidate Starts for Scottish_19:

(Start: 25 @18689 has 3 MA's), (Start: 30 @18701 has 239 MA's), (36, 18722), (Start: 46 @18743 has 1 MA's), (60, 18782), (93, 18851), (99, 18860), (100, 18863), (105, 18881), (120, 18929), (131, 18977), (158, 19088), (159, 19091), (171, 19136), (184, 19214), (188, 19238), (199, 19304), (206, 19349), (214, 19379), (215, 19385), (217, 19403), (224, 19427), (226, 19436), (236, 19469), (238, 19475), (245, 19505), (260, 19544), (264, 19556), (266, 19565), (270, 19580), (271, 19583), (295, 19694), (296, 19697), (297, 19706), (298, 19712), (301, 19727), (303, 19730), (311, 19751), (321, 19781), (324, 19793), (330, 19826), (347, 19937), (349, 19940), (356, 19967), (358, 19973), (369, 20027), (370, 20030), (394, 20132), (396, 20144), (397, 20147), (408, 20213), (412, 20237), (415, 20258), (417, 20267), (430, 20327), (431, 20330), (439, 20366), (441, 20384), (448, 20405), (456, 20432), (466, 20501), (470, 20519), (472, 20528), (473, 20540), (478, 20576), (488, 20627), (493, 20645),

(498, 20687), (504, 20741), (520, 20843), (542, 20978), (546, 21002), (553, 21056), (565, 21125), (570, 21170), (571, 21173),

Gene: Seabastian_18 Start: 17634, Stop: 20171, Start Num: 30

Candidate Starts for Seabastian_18:

(Start: 30 @17634 has 239 MA's), (36, 17655), (Start: 46 @17676 has 1 MA's), (60, 17715), (93, 17784), (99, 17793), (100, 17796), (105, 17814), (120, 17862), (158, 18021), (159, 18024), (170, 18066), (171, 18069), (184, 18147), (187, 18168), (188, 18171), (199, 18237), (200, 18246), (206, 18282), (214, 18312), (215, 18318), (224, 18360), (225, 18366), (226, 18369), (236, 18402), (238, 18408), (245, 18438), (255, 18459), (264, 18489), (266, 18498), (291, 18606), (294, 18618), (295, 18627), (296, 18630), (297, 18639), (298, 18645), (301, 18660), (303, 18663), (311, 18684), (324, 18726), (330, 18759), (356, 18900), (358, 18906), (369, 18960), (370, 18963), (377, 18990), (394, 19065), (396, 19077), (397, 19080), (408, 19146), (411, 19167), (412, 19170), (415, 19191), (426, 19242), (430, 19260), (431, 19263), (437, 19293), (441, 19317), (446, 19329), (466, 19434), (470, 19452), (472, 19461), (473, 19473), (478, 19509), (482, 19539), (488, 19560), (495, 19584), (498, 19620), (515, 19734), (520, 19776), (533, 19854), (542, 19911), (546, 19935), (553, 19989), (558, 20037), (568, 20079), (570, 20103), (571, 20106),

Gene: Seagreen_19 Start: 17241, Stop: 19778, Start Num: 30

Candidate Starts for Seagreen_19:

(Start: 25 @17229 has 3 MA's), (Start: 30 @17241 has 239 MA's), (36, 17262), (Start: 46 @17283 has 1 MA's), (60, 17322), (93, 17391), (99, 17400), (100, 17403), (105, 17421), (115, 17454), (120, 17469), (131, 17517), (157, 17622), (158, 17628), (159, 17631), (170, 17673), (171, 17676), (184, 17754), (188, 17778), (199, 17844), (206, 17889), (214, 17919), (215, 17925), (217, 17943), (224, 17967), (226, 17976), (236, 18009), (238, 18015), (245, 18045), (260, 18084), (264, 18096), (266, 18105), (270, 18120), (271, 18123), (295, 18234), (296, 18237), (297, 18246), (298, 18252), (301, 18267), (303, 18270), (311, 18291), (321, 18321), (324, 18333), (330, 18366), (347, 18477), (349, 18480), (356, 18507), (358, 18513), (369, 18567), (370, 18570), (394, 18672), (396, 18684), (397, 18687), (408, 18753), (412, 18777), (415, 18798), (417, 18807), (430, 18867), (431, 18870), (439, 18906), (441, 18924), (446, 18936), (448, 18945), (456, 18972), (466, 19041), (470, 19059), (472, 19068), (473, 19080), (478, 19116), (482, 19146), (488, 19167), (495, 19191), (498, 19227), (504, 19281), (515, 19341), (520, 19383), (533, 19461), (542, 19518), (546, 19542), (553, 19596), (558, 19644), (568, 19686), (570, 19710), (571, 19713),

Gene: ShamWow_26 Start: 22284, Stop: 24680, Start Num: 66

Candidate Starts for ShamWow_26:

(Start: 66 @22284 has 122 MA's), (128, 22461), (132, 22482), (178, 22629), (200, 22770), (205, 22803), (214, 22836), (220, 22872), (245, 22965), (266, 23025), (271, 23043), (307, 23199), (313, 23220), (339, 23340), (342, 23352), (347, 23397), (394, 23592), (397, 23607), (405, 23652), (407, 23667), (439, 23823), (441, 23841), (444, 23850), (470, 23979), (471, 23982), (503, 24192), (505, 24204), (527, 24318), (558, 24534), (571, 24618), (575, 24642), (577, 24651),

Gene: Shauna1_18 Start: 17450, Stop: 19927, Start Num: 30

Candidate Starts for Shauna1_18:

(Start: 25 @17438 has 3 MA's), (Start: 30 @17450 has 239 MA's), (36, 17471), (Start: 46 @17492 has 1 MA's), (61, 17531), (93, 17600), (99, 17609), (100, 17612), (105, 17630), (115, 17663), (120, 17678), (142, 17765), (148, 17780), (159, 17816), (161, 17822), (171, 17855), (174, 17867), (203, 18038), (206, 18047), (214, 18071), (225, 18125), (236, 18161), (238, 18167), (245, 18197), (258, 18227), (264, 18248), (266, 18257), (287, 18341), (298, 18404), (303, 18422), (307, 18431), (313, 18452), (314, 18455), (321, 18473), (324, 18485), (329, 18512), (331, 18521), (339, 18572), (340, 18581), (342, 18584), (345, 18611), (346, 18620), (351, 18641), (369, 18719), (370, 18722), (395, 18830), (396, 18836), (405, 18884), (411, 18926), (412, 18929), (415, 18950), (416, 18956), (417, 18959), (424, 18989), (455, 19130), (458, 19148), (462, 19181), (466, 19205), (467, 19208), (470, 19223),

(473, 19244), (478, 19280), (479, 19286), (484, 19313), (491, 19340), (507, 19475), (518, 19523), (519, 19547), (527, 19571), (542, 19670), (545, 19691), (548, 19709), (558, 19787), (565, 19808), (574, 19871), (575, 19889), (578, 19907),

Gene: ShereKhan_28 Start: 23267, Stop: 25663, Start Num: 66

Candidate Starts for ShereKhan_28:

(Start: 66 @23267 has 122 MA's), (128, 23444), (132, 23465), (178, 23612), (200, 23753), (205, 23786), (214, 23819), (220, 23855), (245, 23948), (266, 24008), (271, 24026), (299, 24158), (313, 24203), (342, 24335), (347, 24380), (365, 24440), (391, 24554), (394, 24575), (402, 24614), (405, 24635), (407, 24650), (437, 24800), (439, 24806), (441, 24824), (457, 24878), (470, 24962), (486, 25055), (527, 25301), (558, 25517), (571, 25601), (577, 25634),

Gene: ShiLan_18 Start: 17405, Stop: 19957, Start Num: 30

Candidate Starts for ShiLan_18:

(Start: 30 @17405 has 239 MA's), (60, 17486), (93, 17555), (99, 17564), (100, 17567), (105, 17585), (120, 17633), (130, 17678), (158, 17792), (159, 17795), (163, 17807), (169, 17828), (170, 17837), (171, 17840), (181, 17888), (184, 17918), (194, 17984), (200, 18017), (206, 18053), (211, 18077), (225, 18137), (226, 18140), (232, 18158), (252, 18221), (254, 18224), (260, 18242), (266, 18263), (271, 18281), (277, 18308), (282, 18329), (290, 18362), (297, 18404), (298, 18410), (299, 18413), (303, 18428), (312, 18455), (313, 18458), (321, 18479), (324, 18491), (330, 18524), (345, 18617), (369, 18725), (375, 18749), (377, 18755), (382, 18773), (383, 18776), (388, 18800), (394, 18830), (399, 18854), (405, 18890), (406, 18896), (407, 18905), (411, 18932), (422, 18995), (426, 19019), (427, 19034), (437, 19076), (451, 19127), (467, 19223), (470, 19238), (472, 19247), (476, 19271), (486, 19334), (495, 19370), (540, 19676), (546, 19721), (558, 19823),

Gene: ShiaSurprise_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for ShiaSurprise_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Shida_58 Start: 35788, Stop: 38298, Start Num: 30

Candidate Starts for Shida_58:

(Start: 30 @35788 has 239 MA's), (39, 35821), (63, 35890), (65, 35893), (73, 35917), (81, 35941), (87, 35965), (103, 35998), (155, 36205), (158, 36217), (159, 36220), (191, 36367), (194, 36397), (199, 36421), (206, 36451), (207, 36454), (214, 36481), (217, 36505), (225, 36535), (241, 36592), (260, 36652), (264, 36664), (270, 36688), (271, 36691), (279, 36733), (301, 36829), (303, 36832), (362, 37087), (394, 37231), (405, 37291), (414, 37363), (415, 37366), (436, 37462), (470, 37636), (473, 37657), (491, 37750), (494, 37762), (504, 37852), (517, 37927), (532, 37972), (564, 38173), (569, 38227), (574, 38242),

Gene: Shipwreck_20 Start: 18739, Stop: 21243, Start Num: 25

Candidate Starts for Shipwreck_20:

(Start: 25 @18739 has 3 MA's), (81, 18892), (187, 19297), (191, 19312), (194, 19342), (195, 19348), (199, 19366), (224, 19474), (238, 19525), (271, 19636), (272, 19639), (279, 19678), (290, 19711), (303, 19777), (324, 19837), (329, 19864), (330, 19870), (394, 20176), (405, 20236), (410, 20284), (411, 20287), (414, 20308), (415, 20311), (470, 20572), (493, 20695), (494, 20698), (504, 20788), (514, 20845), (517, 20866), (534, 20926), (566, 21127), (569, 21169),

Gene: ShowerHandel_18 Start: 17406, Stop: 19958, Start Num: 30

Candidate Starts for ShowerHandel_18:

(Start: 30 @17406 has 239 MA's), (60, 17487), (93, 17556), (99, 17565), (100, 17568), (105, 17586), (120, 17634), (130, 17679), (158, 17793), (159, 17796), (163, 17808), (169, 17829), (170, 17838), (171, 17841), (181, 17889), (184, 17919), (194, 17985), (200, 18018), (206, 18054), (211, 18078), (225, 18138), (226, 18141), (232, 18159), (252, 18222), (254, 18225), (260, 18243), (266, 18264), (271, 18282), (277, 18309), (282, 18330), (290, 18363), (297, 18405), (298, 18411), (299, 18414), (303, 18429), (312, 18456), (313, 18459), (321, 18480), (324, 18492), (330, 18525), (345, 18618), (369, 18726), (375, 18750), (377, 18756), (382, 18774), (383, 18777), (388, 18801), (394, 18831), (399, 18855), (405, 18891), (406, 18897), (407, 18906), (411, 18933), (422, 18996), (426, 19020), (427, 19035), (437, 19077), (451, 19128), (467, 19224), (470, 19239), (472, 19248), (476, 19272), (486, 19335), (495, 19371), (540, 19677), (546, 19722), (558, 19824),

Gene: ShroomBoi_18 Start: 17435, Stop: 19912, Start Num: 30

Candidate Starts for ShroomBoi_18:

(Start: 30 @17435 has 239 MA's), (36, 17456), (Start: 46 @17477 has 1 MA's), (61, 17516), (93, 17585), (99, 17594), (100, 17597), (105, 17615), (120, 17663), (142, 17750), (148, 17765), (159, 17801), (161, 17807), (171, 17840), (174, 17852), (203, 18023), (206, 18032), (214, 18056), (225, 18110), (236, 18146), (238, 18152), (245, 18182), (258, 18212), (264, 18233), (266, 18242), (270, 18257), (287, 18326), (303, 18407), (307, 18416), (314, 18440), (324, 18470), (331, 18506), (339, 18557), (340, 18566), (342, 18569), (345, 18596), (346, 18605), (351, 18626), (369, 18704), (395, 18815), (396, 18821), (405, 18869), (411, 18911), (412, 18914), (415, 18935), (416, 18941), (417, 18944), (424, 18974), (455, 19115), (458, 19133), (462, 19166), (466, 19190), (467, 19193), (470, 19208), (473, 19229), (478, 19265), (479, 19271), (480, 19277), (484, 19298), (491, 19325), (507, 19460), (518, 19508), (519, 19532), (521, 19538), (527, 19556), (542, 19655), (558, 19772), (572, 19853), (574, 19856), (577, 19883),

Gene: SiSi_18 Start: 17389, Stop: 19926, Start Num: 30

Candidate Starts for SiSi_18:

(Start: 25 @17377 has 3 MA's), (Start: 30 @17389 has 239 MA's), (36, 17410), (Start: 46 @17431 has 1 MA's), (60, 17470), (93, 17539), (99, 17548), (100, 17551), (105, 17569), (115, 17602), (120, 17617), (131, 17665), (158, 17776), (159, 17779), (168, 17809), (170, 17821), (171, 17824), (184, 17902), (188, 17926), (199, 17992), (206, 18037), (214, 18067), (215, 18073), (217, 18091), (224, 18115), (226, 18124), (236, 18157), (238, 18163), (245, 18193), (260, 18232), (264, 18244), (266, 18253), (270, 18268), (271, 18271), (295, 18382), (297, 18394), (298, 18400), (301, 18415), (303, 18418), (311, 18439), (321, 18469), (324, 18481), (330, 18514), (342, 18580), (347, 18625), (349, 18628), (356, 18655), (358, 18661), (369, 18715), (370, 18718), (377, 18745), (394, 18820), (396, 18832), (397, 18835), (408, 18901), (412, 18925), (417, 18955), (426, 18997), (430, 19015), (431, 19018), (439, 19054), (441, 19072), (448, 19093), (456, 19120), (466, 19189), (470, 19207), (472, 19216), (473, 19228), (478, 19264), (488, 19315), (493, 19333), (498, 19375), (504, 19429), (515, 19489), (520, 19531), (533, 19609), (542, 19666), (546, 19690), (553, 19744), (558, 19792), (570, 19858), (571, 19861),

Gene: Simpliphy_27 Start: 22029, Stop: 24425, Start Num: 66

Candidate Starts for Simpliphy_27:

(Start: 66 @22029 has 122 MA's), (128, 22206), (132, 22227), (178, 22374), (205, 22548), (214, 22581), (220, 22617), (245, 22710), (266, 22770), (271, 22788), (299, 22920), (313, 22965), (342, 23097), (347, 23142), (365, 23202), (391, 23316), (394, 23337), (402, 23376), (405, 23397), (407, 23412), (437, 23562), (439, 23568), (441, 23586), (457, 23640), (470, 23724), (486, 23817), (527, 24063), (558, 24279), (571, 24363), (577, 24396),

Gene: SimranZ1_19 Start: 17257, Stop: 19794, Start Num: 30

Candidate Starts for SimranZ1_19:

(Start: 30 @17257 has 239 MA's), (36, 17278), (Start: 46 @17299 has 1 MA's), (60, 17338), (93, 17407), (99, 17416), (100, 17419), (105, 17437), (120, 17485), (158, 17644), (159, 17647), (168, 17677), (170, 17689), (171, 17692), (184, 17770), (188, 17794), (199, 17860), (214, 17935), (215, 17941), (217, 17959), (224, 17983), (226, 17992), (236, 18025), (238, 18031), (245, 18061), (255, 18082), (260, 18100), (264, 18112), (266, 18121), (275, 18154), (295, 18250), (296, 18253), (297, 18262), (298, 18268), (301, 18283), (303, 18286), (311, 18307), (324, 18349), (330, 18382), (342, 18448), (347, 18493), (349, 18496), (356, 18523), (358, 18529), (369, 18583), (370, 18586), (377, 18613), (383, 18634), (394, 18688), (396, 18700), (397, 18703), (408, 18769), (412, 18793), (415, 18814), (417, 18823), (426, 18865), (430, 18883), (431, 18886), (439, 18922), (441, 18940), (446, 18952), (448, 18961), (456, 18988), (465, 19045), (466, 19057), (470, 19075), (472, 19084), (473, 19096), (478, 19132), (482, 19162), (488, 19183), (495, 19207), (498, 19243), (520, 19399), (542, 19534), (546, 19558), (553, 19612), (558, 19660), (570, 19726), (571, 19729),

Gene: SirDuracell_25 Start: 20950, Stop: 23346, Start Num: 66

Candidate Starts for SirDuracell_25:

(Start: 66 @20950 has 122 MA's), (128, 21127), (132, 21148), (178, 21295), (200, 21436), (205, 21469), (214, 21502), (220, 21538), (245, 21631), (266, 21691), (271, 21709), (290, 21790), (342, 22018), (347, 22063), (394, 22258), (395, 22264), (397, 22273), (405, 22318), (407, 22333), (439, 22489), (441, 22507), (444, 22516), (470, 22645), (471, 22648), (503, 22858), (505, 22870), (527, 22984), (558, 23200), (571, 23284), (575, 23308), (577, 23317),

Gene: SirPhilip_26 Start: 19755, Stop: 22217, Start Num: 57

Candidate Starts for SirPhilip_26:

(Start: 57 @19755 has 90 MA's), (68, 19782), (76, 19803), (117, 19926), (123, 19944), (131, 19986), (132, 19995), (158, 20088), (165, 20112), (247, 20523), (308, 20784), (318, 20823), (327, 20862), (328, 20865), (354, 21024), (359, 21039), (376, 21117), (379, 21123), (389, 21183), (397, 21225), (405, 21270), (406, 21276), (407, 21285), (409, 21306), (430, 21402), (434, 21423), (445, 21471), (454, 21507), (460, 21546), (470, 21597), (476, 21627), (487, 21699), (501, 21801), (504, 21816), (520, 21924), (526, 21954), (554, 22146), (559, 22191),

Gene: Slimphazie_27 Start: 20879, Stop: 23311, Start Num: 57

Candidate Starts for Slimphazie_27:

(Start: 57 @20879 has 90 MA's), (95, 20978), (166, 21239), (171, 21260), (204, 21467), (212, 21500), (218, 21530), (242, 21602), (247, 21626), (264, 21671), (295, 21824), (302, 21869), (306, 21881), (309, 21890), (324, 21941), (354, 22121), (359, 22136), (373, 22205), (377, 22217), (397, 22322), (405, 22361), (406, 22367), (407, 22376), (423, 22457), (432, 22505), (451, 22580), (458, 22616), (472, 22697), (476, 22718), (492, 22811), (504, 22907), (527, 23054), (533, 23096), (539, 23135), (550, 23210),

Gene: Smooch_61 Start: 37810, Stop: 40320, Start Num: 30

Candidate Starts for Smooch_61:

(Start: 30 @37810 has 239 MA's), (39, 37843), (63, 37912), (65, 37915), (73, 37939), (81, 37963), (87, 37987), (103, 38020), (155, 38227), (158, 38239), (159, 38242), (191, 38389), (194, 38419), (199, 38443), (206, 38473), (207, 38476), (214, 38503), (217, 38527), (225, 38557), (241, 38614), (260, 38674), (264, 38686), (270, 38710), (271, 38713), (279, 38755), (301, 38851), (303, 38854), (347, 39058), (362, 39109), (394, 39253), (405, 39313), (414, 39385), (415, 39388), (436, 39484), (470, 39658), (473, 39679), (491, 39772), (494, 39784), (504, 39874), (517, 39949), (532, 39994), (564, 40195), (569, 40249), (574, 40264),

Gene: SophKB_26 Start: 22283, Stop: 24679, Start Num: 66

Candidate Starts for SophKB_26:

(Start: 66 @22283 has 122 MA's), (128, 22460), (132, 22481), (178, 22628), (200, 22769), (205, 22802), (214, 22835), (220, 22871), (245, 22964), (266, 23024), (271, 23042), (299, 23174), (313,

23219), (342, 23351), (347, 23396), (365, 23456), (391, 23570), (394, 23591), (402, 23630), (405, 23651), (407, 23666), (437, 23816), (439, 23822), (441, 23840), (457, 23894), (470, 23978), (486, 24071), (527, 24317), (558, 24533), (571, 24617), (577, 24650),

Gene: Sotrice96_26 Start: 22239, Stop: 24635, Start Num: 66

Candidate Starts for Sotrice96_26:

(Start: 66 @22239 has 122 MA's), (128, 22416), (132, 22437), (178, 22584), (200, 22725), (205, 22758), (214, 22791), (220, 22827), (245, 22920), (266, 22980), (271, 22998), (290, 23079), (342, 23307), (347, 23352), (394, 23547), (395, 23553), (397, 23562), (405, 23607), (407, 23622), (439, 23778), (441, 23796), (444, 23805), (470, 23934), (471, 23937), (503, 24147), (505, 24159), (527, 24273), (558, 24489), (571, 24573), (575, 24597), (577, 24606),

Gene: Soul22_24 Start: 17091, Stop: 19640, Start Num: 16

Candidate Starts for Soul22_24:

(14, 17082), (Start: 16 @17091 has 7 MA's), (Start: 30 @17151 has 239 MA's), (43, 17187), (85, 17286), (131, 17427), (142, 17466), (148, 17481), (159, 17517), (161, 17523), (162, 17526), (169, 17544), (174, 17568), (180, 17592), (181, 17595), (203, 17739), (206, 17748), (214, 17772), (217, 17796), (224, 17820), (225, 17826), (232, 17847), (238, 17868), (245, 17898), (258, 17928), (264, 17949), (287, 18042), (290, 18057), (291, 18066), (295, 18087), (296, 18090), (307, 18132), (321, 18174), (322, 18177), (324, 18186), (329, 18213), (331, 18222), (337, 18261), (340, 18282), (342, 18285), (346, 18321), (351, 18342), (369, 18420), (370, 18423), (385, 18477), (396, 18537), (410, 18624), (412, 18630), (414, 18648), (415, 18651), (424, 18687), (435, 18741), (437, 18750), (455, 18828), (458, 18846), (463, 18882), (464, 18885), (466, 18903), (467, 18906), (470, 18921), (478, 18978), (480, 18990), (495, 19053), (498, 19086), (507, 19173), (518, 19221), (519, 19245), (524, 19272), (527, 19281), (532, 19320), (538, 19359), (542, 19383), (545, 19404), (558, 19500), (565, 19521), (574, 19584), (577, 19611), (578, 19620),

Gene: Sparkdehlily_18 Start: 17429, Stop: 19966, Start Num: 30

Candidate Starts for Sparkdehlily_18:

(Start: 30 @17429 has 239 MA's), (36, 17450), (Start: 46 @17471 has 1 MA's), (60, 17510), (93, 17579), (99, 17588), (100, 17591), (105, 17609), (120, 17657), (157, 17810), (159, 17819), (171, 17864), (184, 17942), (188, 17966), (199, 18032), (206, 18077), (214, 18107), (215, 18113), (217, 18131), (224, 18155), (226, 18164), (236, 18197), (238, 18203), (245, 18233), (260, 18272), (266, 18293), (270, 18308), (271, 18311), (296, 18425), (297, 18434), (298, 18440), (303, 18458), (311, 18479), (321, 18509), (324, 18521), (330, 18554), (347, 18665), (349, 18668), (356, 18695), (358, 18701), (369, 18755), (370, 18758), (392, 18845), (394, 18860), (397, 18875), (412, 18965), (415, 18986), (417, 18995), (430, 19055), (431, 19058), (439, 19094), (441, 19112), (446, 19124), (448, 19133), (456, 19160), (466, 19229), (470, 19247), (472, 19256), (473, 19268), (478, 19304), (482, 19334), (488, 19355), (495, 19379), (498, 19415), (504, 19469), (520, 19571), (533, 19649), (542, 19706), (546, 19730), (553, 19784), (558, 19832), (568, 19874), (573, 19907), (574, 19910),

Gene: Spartacus_19 Start: 17481, Stop: 20018, Start Num: 30

Candidate Starts for Spartacus_19:

(Start: 30 @17481 has 239 MA's), (70, 17571), (93, 17631), (99, 17640), (100, 17643), (105, 17661), (115, 17694), (120, 17709), (131, 17757), (158, 17868), (159, 17871), (168, 17901), (171, 17916), (184, 17994), (199, 18084), (206, 18129), (214, 18159), (215, 18165), (217, 18183), (224, 18207), (226, 18216), (236, 18249), (238, 18255), (245, 18285), (260, 18324), (264, 18336), (266, 18345), (270, 18360), (271, 18363), (295, 18474), (296, 18477), (297, 18486), (298, 18492), (301, 18507), (303, 18510), (311, 18531), (321, 18561), (324, 18573), (330, 18606), (347, 18717), (349, 18720), (356, 18747), (358, 18753), (369, 18807), (370, 18810), (392, 18897), (394, 18912), (396, 18924), (397, 18927), (408, 18993), (415, 19038), (417, 19047), (430, 19107), (431, 19110), (439, 19146), (441, 19164), (446, 19176), (448, 19185), (456, 19212), (466, 19281), (470, 19299), (472, 19308), (473, 19320), (478, 19356), (482, 19386), (488, 19407), (495, 19431), (498, 19467), (504, 19521),

(515, 19581), (520, 19623), (533, 19701), (542, 19758), (546, 19782), (553, 19836), (558, 19884), (568, 19926), (570, 19950), (571, 19953),

Gene: Spikelee_19 Start: 17223, Stop: 19760, Start Num: 30

Candidate Starts for Spikelee_19:

(Start: 30 @17223 has 239 MA's), (36, 17244), (Start: 46 @17265 has 1 MA's), (60, 17304), (93, 17373), (99, 17382), (100, 17385), (105, 17403), (120, 17451), (157, 17604), (159, 17613), (171, 17658), (187, 17757), (188, 17760), (199, 17826), (214, 17901), (215, 17907), (217, 17925), (224, 17949), (225, 17955), (226, 17958), (236, 17991), (238, 17997), (245, 18027), (255, 18048), (264, 18078), (266, 18087), (270, 18102), (271, 18105), (295, 18216), (296, 18219), (297, 18228), (298, 18234), (301, 18249), (303, 18252), (311, 18273), (321, 18303), (324, 18315), (330, 18348), (347, 18459), (349, 18462), (356, 18489), (358, 18495), (369, 18549), (370, 18552), (392, 18639), (394, 18654), (396, 18666), (397, 18669), (408, 18735), (412, 18759), (415, 18780), (417, 18789), (430, 18849), (431, 18852), (439, 18888), (441, 18906), (446, 18918), (448, 18927), (456, 18954), (465, 19011), (466, 19023), (470, 19041), (472, 19050), (473, 19062), (478, 19098), (482, 19128), (486, 19137), (488, 19149), (498, 19209), (504, 19263), (515, 19323), (520, 19365), (542, 19500), (546, 19524), (553, 19578), (558, 19626), (568, 19668), (570, 19692), (571, 19695),

Gene: Spock_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Spock_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Spoonbill_18 Start: 17404, Stop: 19956, Start Num: 30

Candidate Starts for Spoonbill_18:

(Start: 30 @17404 has 239 MA's), (60, 17485), (93, 17554), (99, 17563), (100, 17566), (105, 17584), (120, 17632), (130, 17677), (158, 17791), (159, 17794), (163, 17806), (169, 17827), (170, 17836), (171, 17839), (181, 17887), (184, 17917), (194, 17983), (200, 18016), (206, 18052), (211, 18076), (225, 18136), (226, 18139), (232, 18157), (252, 18220), (254, 18223), (260, 18241), (266, 18262), (271, 18280), (277, 18307), (282, 18328), (290, 18361), (297, 18403), (298, 18409), (299, 18412), (303, 18427), (312, 18454), (313, 18457), (321, 18478), (324, 18490), (330, 18523), (345, 18616), (369, 18724), (375, 18748), (377, 18754), (382, 18772), (383, 18775), (388, 18799), (394, 18829), (399, 18853), (405, 18889), (406, 18895), (407, 18904), (411, 18931), (422, 18994), (426, 19018), (427, 19033), (437, 19075), (451, 19126), (467, 19222), (470, 19237), (472, 19246), (476, 19270), (486, 19333), (495, 19369), (540, 19675), (546, 19720), (558, 19822),

Gene: Squint_35 Start: 27671, Stop: 30178, Start Num: 30

Candidate Starts for Squint_35:

(Start: 30 @27671 has 239 MA's), (105, 27866), (115, 27902), (120, 27917), (142, 28004), (148, 28019), (171, 28094), (174, 28106), (181, 28133), (196, 28238), (203, 28277), (206, 28286), (214, 28310), (215, 28316), (217, 28334), (222, 28352), (226, 28367), (229, 28376), (232, 28385), (236, 28400), (243, 28427), (245, 28436), (260, 28475), (264, 28487), (266, 28496), (287, 28580), (303, 28661), (313, 28691), (314, 28694), (324, 28724), (329, 28751), (331, 28760), (339, 28811), (340, 28820), (342, 28823), (346, 28859), (351, 28880), (361, 28916), (395, 29069), (405, 29123), (412, 29168), (414, 29186), (415, 29189), (424, 29228), (455, 29375), (457, 29384), (467, 29453), (470, 29468), (498, 29633), (507, 29720), (518, 29768), (527, 29819), (538, 29897), (572, 30119), (574, 30122), (577, 30149),

Gene: StAnnes_18 Start: 17447, Stop: 19984, Start Num: 30

Candidate Starts for StAnnes_18:

(Start: 25 @17435 has 3 MA's), (Start: 30 @17447 has 239 MA's), (36, 17468), (Start: 46 @17489 has 1 MA's), (60, 17528), (99, 17606), (100, 17609), (105, 17627), (115, 17660), (120, 17675), (131, 17723), (158, 17834), (159, 17837), (168, 17867), (170, 17879), (171, 17882), (184, 17960), (188, 17984), (199, 18050), (206, 18095), (214, 18125), (215, 18131), (217, 18149), (224, 18173), (226, 18182), (236, 18215), (238, 18221), (245, 18251), (264, 18302), (266, 18311), (270, 18326), (271, 18329), (295, 18440), (296, 18443), (297, 18452), (298, 18458), (301, 18473), (303, 18476), (311, 18497), (321, 18527), (324, 18539), (330, 18572), (347, 18683), (349, 18686), (356, 18713), (358, 18719), (369, 18773), (370, 18776), (392, 18863), (394, 18878), (396, 18890), (397, 18893), (408, 18959), (412, 18983), (415, 19004), (417, 19013), (430, 19073), (431, 19076), (439, 19112), (441, 19130), (446, 19142), (448, 19151), (456, 19178), (466, 19247), (470, 19265), (472, 19274), (473, 19286), (478, 19322), (482, 19352), (488, 19373), (495, 19397), (498, 19433), (504, 19487), (515, 19547), (520, 19589), (533, 19667), (542, 19724), (546, 19748), (553, 19802), (558, 19850), (568, 19892), (570, 19916), (571, 19919),

Gene: Stank_29 Start: 22790, Stop: 25186, Start Num: 66

Candidate Starts for Stank_29:

(Start: 66 @22790 has 122 MA's), (128, 22967), (132, 22988), (178, 23135), (200, 23276), (205, 23309), (214, 23342), (220, 23378), (245, 23471), (266, 23531), (271, 23549), (299, 23681), (313, 23726), (342, 23858), (347, 23903), (365, 23963), (391, 24077), (394, 24098), (402, 24137), (405, 24158), (407, 24173), (437, 24323), (439, 24329), (441, 24347), (457, 24401), (470, 24485), (486, 24578), (527, 24824), (558, 25040), (571, 25124), (577, 25157),

Gene: Stap_19 Start: 17430, Stop: 19967, Start Num: 30

Candidate Starts for Stap_19:

(Start: 30 @17430 has 239 MA's), (36, 17451), (Start: 46 @17472 has 1 MA's), (60, 17511), (93, 17580), (99, 17589), (100, 17592), (105, 17610), (115, 17643), (120, 17658), (131, 17706), (157, 17811), (158, 17817), (159, 17820), (170, 17862), (171, 17865), (188, 17967), (199, 18033), (206, 18078), (214, 18108), (215, 18114), (217, 18132), (224, 18156), (226, 18165), (236, 18198), (238, 18204), (245, 18234), (260, 18273), (264, 18285), (266, 18294), (270, 18309), (271, 18312), (295, 18423), (296, 18426), (297, 18435), (298, 18441), (301, 18456), (303, 18459), (311, 18480), (321, 18510), (324, 18522), (330, 18555), (347, 18666), (349, 18669), (356, 18696), (358, 18702), (369, 18756), (370, 18759), (394, 18861), (396, 18873), (397, 18876), (408, 18942), (412, 18966), (415, 18987), (417, 18996), (430, 19056), (431, 19059), (439, 19095), (441, 19113), (446, 19125), (448, 19134), (456, 19161), (466, 19230), (470, 19248), (472, 19257), (473, 19269), (478, 19305), (488, 19356), (493, 19374), (498, 19416), (504, 19470), (515, 19530), (520, 19572), (533, 19650), (542, 19707), (546, 19731), (553, 19785), (558, 19833), (570, 19899), (571, 19902),

Gene: Starcevich_19 Start: 17191, Stop: 19728, Start Num: 30

Candidate Starts for Starcevich_19:

(Start: 30 @17191 has 239 MA's), (36, 17212), (Start: 46 @17233 has 1 MA's), (60, 17272), (93, 17341), (99, 17350), (100, 17353), (105, 17371), (120, 17419), (157, 17572), (159, 17581), (171, 17626), (187, 17725), (188, 17728), (199, 17794), (214, 17869), (215, 17875), (217, 17893), (224, 17917), (225, 17923), (226, 17926), (236, 17959), (238, 17965), (245, 17995), (255, 18016), (264, 18046), (266, 18055), (270, 18070), (271, 18073), (295, 18184), (296, 18187), (297, 18196), (298, 18202), (301, 18217), (303, 18220), (311, 18241), (321, 18271), (324, 18283), (330, 18316), (347, 18427), (349, 18430), (356, 18457), (358, 18463), (369, 18517), (370, 18520), (394, 18622), (396, 18634), (397, 18637), (408, 18703), (412, 18727), (415, 18748), (417, 18757), (430, 18817), (431, 18820), (439, 18856), (441, 18874), (446, 18886), (448, 18895), (456, 18922), (465, 18979), (466, 18991), (470, 19009), (472, 19018), (473, 19030), (478, 19066), (482, 19096), (486, 19105), (488, 19117), (498, 19177), (504, 19231), (515, 19291), (520, 19333), (542, 19468), (546, 19492), (553, 19546), (558, 19594), (568, 19636), (570, 19660), (571, 19663),

Gene: Stargaze_22 Start: 20828, Stop: 23284, Start Num: 19

Candidate Starts for Stargaze_22:

(Start: 19 @20828 has 11 MA's), (68, 20972), (100, 21056), (111, 21086), (125, 21131), (168, 21290), (188, 21407), (248, 21629), (267, 21680), (271, 21695), (294, 21797), (310, 21863), (332, 21947), (348, 22061), (369, 22151), (372, 22166), (374, 22172), (378, 22181), (383, 22220), (389, 22247), (392, 22259), (405, 22334), (424, 22430), (426, 22442), (432, 22481), (463, 22616), (470, 22649), (472, 22658), (476, 22685), (493, 22784), (500, 22862), (510, 22922), (534, 23078), (556, 23222), (561, 23264),

Gene: Stark_27 Start: 22042, Stop: 24438, Start Num: 66

Candidate Starts for Stark_27:

(Start: 66 @22042 has 122 MA's), (128, 22219), (132, 22240), (178, 22387), (205, 22561), (214, 22594), (220, 22630), (245, 22723), (266, 22783), (271, 22801), (299, 22933), (313, 22978), (342, 23110), (347, 23155), (365, 23215), (391, 23329), (394, 23350), (402, 23389), (405, 23410), (407, 23425), (437, 23575), (439, 23581), (441, 23599), (457, 23653), (470, 23737), (486, 23830), (527, 24076), (558, 24292), (571, 24376), (577, 24409),

Gene: StellaBean_26 Start: 22283, Stop: 24679, Start Num: 66

Candidate Starts for StellaBean_26:

(Start: 66 @22283 has 122 MA's), (128, 22460), (132, 22481), (178, 22628), (200, 22769), (205, 22802), (214, 22835), (220, 22871), (245, 22964), (266, 23024), (271, 23042), (299, 23174), (313, 23219), (342, 23351), (347, 23396), (365, 23456), (391, 23570), (394, 23591), (402, 23630), (405, 23651), (407, 23666), (437, 23816), (439, 23822), (441, 23840), (457, 23894), (470, 23978), (486, 24071), (527, 24317), (558, 24533), (571, 24617), (577, 24650),

Gene: Stinson_28 Start: 21121, Stop: 23553, Start Num: 57

Candidate Starts for Stinson_28:

(Start: 57 @21121 has 90 MA's), (62, 21130), (95, 21220), (166, 21481), (171, 21502), (204, 21709), (212, 21742), (218, 21772), (242, 21844), (247, 21868), (264, 21913), (295, 22066), (306, 22123), (309, 22132), (319, 22168), (324, 22183), (354, 22363), (359, 22378), (373, 22447), (377, 22459), (389, 22522), (397, 22564), (405, 22603), (406, 22609), (407, 22618), (410, 22639), (423, 22699), (432, 22747), (447, 22807), (450, 22816), (459, 22873), (470, 22930), (472, 22939), (476, 22960), (481, 23005), (492, 23053), (504, 23149), (539, 23377), (558, 23524),

Gene: StolenFromERC_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for StolenFromERC_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (486, 24062), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: Strokeseat_18 Start: 17495, Stop: 20032, Start Num: 30

Candidate Starts for Strokeseat_18:

(Start: 30 @17495 has 239 MA's), (36, 17516), (Start: 46 @17537 has 1 MA's), (60, 17576), (93, 17645), (99, 17654), (100, 17657), (105, 17675), (120, 17723), (158, 17882), (159, 17885), (170, 17927), (171, 17930), (184, 18008), (187, 18029), (188, 18032), (199, 18098), (214, 18173), (215, 18179), (224, 18221), (225, 18227), (226, 18230), (236, 18263), (238, 18269), (245, 18299), (255, 18320), (264, 18350), (266, 18359), (291, 18467), (294, 18479), (295, 18488), (296, 18491), (297, 18500), (298, 18506), (301, 18521), (303, 18524), (311, 18545), (324, 18587), (330, 18620), (356, 18761), (358, 18767), (369, 18821), (370, 18824), (377, 18851), (394, 18926), (396, 18938), (397, 18941), (408, 19007), (412, 19031), (415, 19052), (417, 19061), (430, 19121), (431, 19124), (439, 19160), (441, 19178), (448, 19199), (456, 19226), (466, 19295), (470, 19313), (472, 19322), (473,

19334), (478, 19370), (482, 19400), (498, 19481), (515, 19595), (520, 19637), (542, 19772), (546, 19796), (553, 19850), (570, 19964), (571, 19967),

Gene: Sulley_27 Start: 20845, Stop: 23277, Start Num: 57

Candidate Starts for Sulley_27:

(Start: 57 @20845 has 90 MA's), (95, 20944), (166, 21205), (171, 21226), (204, 21433), (212, 21466), (218, 21496), (242, 21568), (247, 21592), (295, 21790), (302, 21835), (306, 21847), (309, 21856), (324, 21907), (354, 22087), (359, 22102), (373, 22171), (377, 22183), (389, 22246), (397, 22288), (405, 22327), (406, 22333), (407, 22342), (410, 22363), (423, 22423), (430, 22456), (432, 22471), (433, 22474), (446, 22528), (450, 22540), (470, 22654), (472, 22663), (476, 22684), (487, 22756), (492, 22777), (504, 22873), (539, 23101), (558, 23248),

Gene: SuperGrey_19 Start: 18074, Stop: 20611, Start Num: 30

Candidate Starts for SuperGrey_19:

(Start: 30 @18074 has 239 MA's), (36, 18095), (Start: 46 @18116 has 1 MA's), (60, 18155), (93, 18224), (99, 18233), (100, 18236), (105, 18254), (120, 18302), (158, 18461), (159, 18464), (171, 18509), (187, 18608), (188, 18611), (199, 18677), (214, 18752), (215, 18758), (217, 18776), (224, 18800), (225, 18806), (226, 18809), (236, 18842), (238, 18848), (245, 18878), (255, 18899), (264, 18929), (266, 18938), (270, 18953), (271, 18956), (295, 19067), (296, 19070), (297, 19079), (298, 19085), (301, 19100), (303, 19103), (311, 19124), (321, 19154), (324, 19166), (330, 19199), (347, 19310), (349, 19313), (356, 19340), (358, 19346), (369, 19400), (370, 19403), (392, 19490), (394, 19505), (396, 19517), (397, 19520), (408, 19586), (412, 19610), (415, 19631), (417, 19640), (430, 19700), (431, 19703), (439, 19739), (441, 19757), (446, 19769), (448, 19778), (456, 19805), (465, 19862), (466, 19874), (470, 19892), (472, 19901), (473, 19913), (478, 19949), (482, 19979), (486, 19988), (488, 20000), (498, 20060), (504, 20114), (515, 20174), (520, 20216), (533, 20294), (542, 20351), (546, 20375), (553, 20429), (558, 20477), (568, 20519), (570, 20543), (571, 20546),

Gene: Superphikiman_36 Start: 27736, Stop: 30243, Start Num: 30

Candidate Starts for Superphikiman_36:

(Start: 30 @27736 has 239 MA's), (105, 27931), (115, 27967), (120, 27982), (142, 28069), (148, 28084), (171, 28159), (174, 28171), (181, 28198), (196, 28303), (203, 28342), (206, 28351), (214, 28375), (215, 28381), (217, 28399), (222, 28417), (226, 28432), (229, 28441), (232, 28450), (236, 28465), (243, 28492), (245, 28501), (260, 28540), (264, 28552), (266, 28561), (287, 28645), (303, 28726), (313, 28756), (314, 28759), (324, 28789), (329, 28816), (331, 28825), (339, 28876), (340, 28885), (342, 28888), (346, 28924), (351, 28945), (361, 28981), (395, 29134), (405, 29188), (412, 29233), (414, 29251), (415, 29254), (424, 29293), (455, 29440), (457, 29449), (467, 29518), (470, 29533), (498, 29698), (507, 29785), (518, 29833), (527, 29884), (538, 29962), (572, 30184), (574, 30187), (577, 30214),

Gene: SwagPiggett_18 Start: 17406, Stop: 19943, Start Num: 30

Candidate Starts for SwagPiggett_18:

(Start: 30 @17406 has 239 MA's), (36, 17427), (Start: 46 @17448 has 1 MA's), (60, 17487), (93, 17556), (99, 17565), (100, 17568), (105, 17586), (120, 17634), (157, 17787), (159, 17796), (171, 17841), (184, 17919), (188, 17943), (199, 18009), (206, 18054), (214, 18084), (215, 18090), (217, 18108), (224, 18132), (226, 18141), (236, 18174), (238, 18180), (245, 18210), (260, 18249), (266, 18270), (270, 18285), (271, 18288), (296, 18402), (297, 18411), (298, 18417), (303, 18435), (311, 18456), (321, 18486), (324, 18498), (330, 18531), (347, 18642), (349, 18645), (356, 18672), (358, 18678), (369, 18732), (370, 18735), (392, 18822), (394, 18837), (397, 18852), (412, 18942), (415, 18963), (417, 18972), (430, 19032), (431, 19035), (439, 19071), (441, 19089), (446, 19101), (448, 19110), (456, 19137), (466, 19206), (470, 19224), (472, 19233), (473, 19245), (478, 19281), (482, 19311), (488, 19332), (495, 19356), (498, 19392), (504, 19446), (520, 19548), (533, 19626), (542, 19683), (546, 19707), (553, 19761), (558, 19809), (568, 19851), (573, 19884), (574, 19887),

Gene: TBrady12_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for TBrady12_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (200, 22760), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (486, 24062), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: TDanisky_18 Start: 17429, Stop: 19966, Start Num: 30

Candidate Starts for TDanisky_18:

(Start: 30 @17429 has 239 MA's), (36, 17450), (Start: 46 @17471 has 1 MA's), (60, 17510), (93, 17579), (99, 17588), (100, 17591), (105, 17609), (120, 17657), (157, 17810), (159, 17819), (171, 17864), (184, 17942), (188, 17966), (199, 18032), (206, 18077), (214, 18107), (215, 18113), (217, 18131), (224, 18155), (226, 18164), (236, 18197), (238, 18203), (245, 18233), (260, 18272), (266, 18293), (270, 18308), (271, 18311), (296, 18425), (297, 18434), (298, 18440), (303, 18458), (311, 18479), (321, 18509), (324, 18521), (330, 18554), (347, 18665), (349, 18668), (356, 18695), (358, 18701), (369, 18755), (370, 18758), (392, 18845), (394, 18860), (397, 18875), (412, 18965), (415, 18986), (417, 18995), (430, 19055), (431, 19058), (439, 19094), (441, 19112), (446, 19124), (448, 19133), (456, 19160), (466, 19229), (470, 19247), (472, 19256), (473, 19268), (478, 19304), (482, 19334), (488, 19355), (495, 19379), (498, 19415), (504, 19469), (520, 19571), (533, 19649), (542, 19706), (546, 19730), (553, 19784), (558, 19832), (568, 19874), (573, 19907), (574, 19910),

Gene: Tachez_27 Start: 20841, Stop: 23273, Start Num: 57

Candidate Starts for Tachez_27:

(Start: 57 @20841 has 90 MA's), (95, 20940), (166, 21201), (171, 21222), (204, 21429), (212, 21462), (218, 21492), (242, 21564), (247, 21588), (264, 21633), (295, 21786), (302, 21831), (306, 21843), (309, 21852), (324, 21903), (354, 22083), (359, 22098), (373, 22167), (377, 22179), (397, 22284), (405, 22323), (406, 22329), (407, 22338), (423, 22419), (432, 22467), (451, 22542), (458, 22578), (470, 22650), (472, 22659), (476, 22680), (492, 22773), (504, 22869), (527, 23016), (533, 23058), (539, 23097), (550, 23172),

Gene: TaiwanKao_28 Start: 20852, Stop: 23284, Start Num: 57

Candidate Starts for TaiwanKao_28:

(Start: 57 @20852 has 90 MA's), (95, 20951), (166, 21212), (204, 21440), (212, 21473), (218, 21503), (247, 21599), (264, 21644), (295, 21797), (302, 21842), (306, 21854), (309, 21863), (324, 21914), (354, 22094), (359, 22109), (373, 22178), (377, 22190), (389, 22253), (397, 22295), (405, 22334), (406, 22340), (407, 22349), (410, 22370), (423, 22430), (450, 22547), (458, 22589), (470, 22661), (472, 22670), (476, 22691), (487, 22763), (492, 22784), (504, 22880), (539, 23108), (558, 23255),

Gene: Taj_18 Start: 17430, Stop: 19967, Start Num: 30

Candidate Starts for Taj_18:

(Start: 25 @17418 has 3 MA's), (Start: 30 @17430 has 239 MA's), (36, 17451), (Start: 46 @17472 has 1 MA's), (60, 17511), (93, 17580), (99, 17589), (100, 17592), (105, 17610), (115, 17643), (120, 17658), (131, 17706), (157, 17811), (158, 17817), (159, 17820), (170, 17862), (171, 17865), (184, 17943), (199, 18033), (206, 18078), (214, 18108), (215, 18114), (217, 18132), (224, 18156), (226, 18165), (236, 18198), (238, 18204), (245, 18234), (260, 18273), (264, 18285), (266, 18294), (270, 18309), (271, 18312), (295, 18423), (296, 18426), (297, 18435), (298, 18441), (301, 18456), (303, 18459), (311, 18480), (321, 18510), (324, 18522), (330, 18555), (347, 18666), (349, 18669), (356, 18696), (358, 18702), (369, 18756), (370, 18759), (392, 18846), (394, 18861), (396, 18873), (397, 18876), (408, 18942), (412, 18966), (415, 18987), (417, 18996), (430, 19056), (431, 19059), (439, 19095), (441, 19113), (446, 19125), (448, 19134), (456, 19161), (466, 19230), (470, 19248), (472, 19257), (473, 19269), (478, 19305), (482, 19335), (488, 19356), (495, 19380), (498, 19416), (504, 19470), (515, 19530), (520, 19572), (542, 19707), (546, 19731), (553, 19785), (558, 19833), (568, 19875),

(570, 19899), (571, 19902),

Gene: Tarkin_28 Start: 23273, Stop: 25669, Start Num: 66

Candidate Starts for Tarkin_28:

(Start: 66 @23273 has 122 MA's), (128, 23450), (132, 23471), (178, 23618), (200, 23759), (205, 23792), (214, 23825), (220, 23861), (245, 23954), (266, 24014), (271, 24032), (299, 24164), (313, 24209), (342, 24341), (347, 24386), (365, 24446), (391, 24560), (394, 24581), (402, 24620), (405, 24641), (407, 24656), (437, 24806), (439, 24812), (441, 24830), (457, 24884), (470, 24968), (486, 25061), (527, 25307), (558, 25523), (571, 25607), (577, 25640),

Gene: TeardropMSU_25 Start: 22191, Stop: 24587, Start Num: 66

Candidate Starts for TeardropMSU_25:

(Start: 66 @22191 has 122 MA's), (128, 22368), (132, 22389), (178, 22536), (200, 22677), (205, 22710), (214, 22743), (220, 22779), (245, 22872), (266, 22932), (271, 22950), (290, 23031), (342, 23259), (347, 23304), (394, 23499), (395, 23505), (397, 23514), (405, 23559), (407, 23574), (439, 23730), (441, 23748), (444, 23757), (458, 23811), (470, 23886), (471, 23889), (503, 24099), (505, 24111), (527, 24225), (558, 24441), (571, 24525), (575, 24549), (577, 24558),

Gene: Teaspoon_27 Start: 22237, Stop: 24633, Start Num: 66

Candidate Starts for Teaspoon_27:

(Start: 66 @22237 has 122 MA's), (128, 22414), (132, 22435), (178, 22582), (200, 22723), (205, 22756), (214, 22789), (220, 22825), (245, 22918), (266, 22978), (271, 22996), (299, 23128), (313, 23173), (342, 23305), (347, 23350), (365, 23410), (391, 23524), (394, 23545), (402, 23584), (405, 23605), (407, 23620), (437, 23770), (439, 23776), (441, 23794), (457, 23848), (470, 23932), (486, 24025), (527, 24271), (558, 24487), (571, 24571), (577, 24604),

Gene: TelAviv_55 Start: 36063, Stop: 38573, Start Num: 30

Candidate Starts for TelAviv_55:

(Start: 30 @36063 has 239 MA's), (39, 36096), (63, 36165), (65, 36168), (73, 36192), (81, 36216), (87, 36240), (103, 36273), (155, 36480), (158, 36492), (159, 36495), (191, 36642), (194, 36672), (199, 36696), (206, 36726), (207, 36729), (214, 36756), (217, 36780), (225, 36810), (241, 36867), (246, 36891), (260, 36927), (264, 36939), (270, 36963), (271, 36966), (279, 37008), (301, 37104), (303, 37107), (362, 37362), (394, 37506), (405, 37566), (414, 37638), (415, 37641), (436, 37737), (470, 37911), (473, 37932), (491, 38025), (494, 38037), (504, 38127), (517, 38202), (532, 38247), (564, 38448), (569, 38502), (574, 38517),

Gene: Terminus_26 Start: 22371, Stop: 24767, Start Num: 66

Candidate Starts for Terminus_26:

(Start: 66 @22371 has 122 MA's), (128, 22548), (132, 22569), (178, 22716), (200, 22857), (205, 22890), (214, 22923), (220, 22959), (245, 23052), (266, 23112), (271, 23130), (299, 23262), (313, 23307), (342, 23439), (347, 23484), (365, 23544), (391, 23658), (394, 23679), (402, 23718), (405, 23739), (407, 23754), (437, 23904), (439, 23910), (441, 23928), (457, 23982), (470, 24066), (486, 24159), (527, 24405), (558, 24621), (571, 24705), (577, 24738),

Gene: ThetaBob_20 Start: 17751, Stop: 20231, Start Num: 32

Candidate Starts for ThetaBob_20:

(Start: 32 @17751 has 3 MA's), (35, 17757), (36, 17763), (Start: 66 @17826 has 122 MA's), (69, 17829), (81, 17856), (102, 17910), (105, 17919), (115, 17952), (124, 17985), (131, 18018), (142, 18057), (148, 18072), (159, 18108), (161, 18114), (162, 18117), (169, 18135), (171, 18147), (174, 18159), (180, 18183), (181, 18186), (203, 18330), (206, 18339), (214, 18363), (217, 18387), (224, 18411), (225, 18417), (232, 18438), (233, 18441), (238, 18459), (245, 18489), (258, 18519), (264, 18540), (287, 18633), (290, 18648), (291, 18657), (295, 18678), (296, 18681), (307, 18723), (321, 18765), (322, 18768), (324, 18777), (329, 18804), (331, 18813), (337, 18852), (340, 18873), (342,

18876), (346, 18912), (351, 18933), (369, 19011), (370, 19014), (385, 19068), (396, 19128), (412, 19221), (415, 19242), (424, 19278), (435, 19332), (437, 19341), (455, 19419), (458, 19437), (463, 19473), (464, 19476), (466, 19494), (467, 19497), (470, 19512), (473, 19533), (478, 19569), (480, 19581), (495, 19644), (498, 19677), (507, 19764), (518, 19812), (519, 19836), (524, 19863), (527, 19872), (532, 19911), (538, 19950), (542, 19974), (545, 19995), (558, 20091), (565, 20112), (574, 20175), (577, 20202), (578, 20211),

Gene: Thresher_27 Start: 23038, Stop: 25434, Start Num: 66

Candidate Starts for Thresher_27:

(Start: 66 @23038 has 122 MA's), (128, 23215), (132, 23236), (178, 23383), (205, 23557), (214, 23590), (220, 23626), (245, 23719), (266, 23779), (271, 23797), (299, 23929), (313, 23974), (342, 24106), (347, 24151), (391, 24325), (394, 24346), (402, 24385), (405, 24406), (407, 24421), (437, 24571), (439, 24577), (441, 24595), (457, 24649), (470, 24733), (486, 24826), (527, 25072), (558, 25288), (571, 25372), (577, 25405),

Gene: Thumb_29 Start: 25682, Stop: 28525, Start Num: 2

Candidate Starts for Thumb_29:

(Start: 2 @25682 has 8 MA's), (10, 25814), (11, 25826), (13, 25835), (24, 25904), (47, 25970), (51, 25991), (68, 26039), (82, 26081), (90, 26105), (105, 26138), (114, 26174), (118, 26186), (139, 26279), (156, 26336), (167, 26375), (200, 26570), (204, 26600), (215, 26642), (255, 26783), (260, 26801), (279, 26882), (290, 26921), (294, 26942), (330, 27080), (336, 27119), (370, 27284), (388, 27356), (396, 27398), (399, 27410), (414, 27509), (483, 27872), (528, 28142), (531, 28175), (535, 28199), (552, 28319), (566, 28397), (577, 28484), (579, 28499), (580, 28505),

Gene: TiniBug_27 Start: 20837, Stop: 23269, Start Num: 57

Candidate Starts for TiniBug_27:

(52, 20819), (Start: 57 @20837 has 90 MA's), (76, 20885), (95, 20936), (166, 21197), (171, 21218), (211, 21455), (212, 21458), (218, 21488), (219, 21491), (242, 21560), (247, 21584), (249, 21590), (253, 21596), (264, 21629), (295, 21782), (306, 21839), (309, 21848), (324, 21899), (354, 22079), (359, 22094), (373, 22163), (377, 22175), (383, 22211), (389, 22238), (397, 22280), (405, 22319), (406, 22325), (407, 22334), (410, 22355), (423, 22415), (430, 22448), (433, 22466), (450, 22532), (458, 22574), (470, 22646), (472, 22655), (476, 22676), (487, 22748), (527, 23012), (539, 23093), (550, 23168), (558, 23240),

Gene: Tiri_27 Start: 20884, Stop: 23316, Start Num: 57

Candidate Starts for Tiri_27:

(Start: 57 @20884 has 90 MA's), (95, 20983), (166, 21244), (171, 21265), (204, 21472), (212, 21505), (218, 21535), (242, 21607), (247, 21631), (295, 21829), (302, 21874), (306, 21886), (309, 21895), (324, 21946), (354, 22126), (359, 22141), (373, 22210), (377, 22222), (389, 22285), (397, 22327), (405, 22366), (406, 22372), (407, 22381), (410, 22402), (423, 22462), (450, 22579), (458, 22621), (470, 22693), (472, 22702), (476, 22723), (487, 22795), (492, 22816), (504, 22912), (515, 22975), (533, 23101), (539, 23140), (558, 23287),

Gene: Tomaszewski_25 Start: 21884, Stop: 24280, Start Num: 66

Candidate Starts for Tomaszewski_25:

(Start: 66 @21884 has 122 MA's), (128, 22061), (132, 22082), (178, 22229), (200, 22370), (205, 22403), (214, 22436), (220, 22472), (245, 22565), (266, 22625), (271, 22643), (299, 22775), (313, 22820), (342, 22952), (347, 22997), (391, 23171), (394, 23192), (402, 23231), (405, 23252), (407, 23267), (439, 23423), (441, 23441), (457, 23495), (470, 23579), (486, 23672), (527, 23918), (558, 24134), (571, 24218), (577, 24251),

Gene: TootsiePop_19 Start: 17273, Stop: 19798, Start Num: 30

Candidate Starts for TootsiePop_19:

(Start: 30 @17273 has 239 MA's), (36, 17294), (Start: 46 @17315 has 1 MA's), (60, 17354), (93, 17423), (99, 17432), (100, 17435), (105, 17453), (115, 17486), (120, 17501), (131, 17549), (158, 17660), (159, 17663), (171, 17708), (184, 17786), (188, 17810), (199, 17876), (206, 17921), (214, 17951), (215, 17957), (217, 17975), (224, 17999), (226, 18008), (236, 18041), (238, 18047), (245, 18077), (260, 18116), (264, 18128), (266, 18137), (270, 18152), (271, 18155), (303, 18302), (321, 18353), (341, 18464), (349, 18515), (355, 18539), (377, 18632), (388, 18677), (391, 18686), (394, 18707), (396, 18719), (397, 18722), (405, 18767), (412, 18812), (414, 18830), (415, 18833), (426, 18884), (437, 18935), (439, 18941), (441, 18959), (446, 18971), (448, 18980), (457, 19013), (470, 19094), (480, 19163), (486, 19190), (492, 19217), (499, 19268), (504, 19316), (545, 19559), (558, 19664), (565, 19685), (573, 19739), (576, 19763),

Gene: Tootsieroll_19 Start: 17239, Stop: 19776, Start Num: 30

Candidate Starts for Tootsieroll_19:

(Start: 25 @17227 has 3 MA's), (Start: 30 @17239 has 239 MA's), (36, 17260), (Start: 46 @17281 has 1 MA's), (60, 17320), (93, 17389), (99, 17398), (100, 17401), (105, 17419), (115, 17452), (120, 17467), (131, 17515), (157, 17620), (158, 17626), (159, 17629), (170, 17671), (171, 17674), (188, 17776), (199, 17842), (206, 17887), (214, 17917), (215, 17923), (217, 17941), (224, 17965), (226, 17974), (236, 18007), (238, 18013), (245, 18043), (264, 18094), (266, 18103), (291, 18211), (294, 18223), (295, 18232), (296, 18235), (298, 18250), (301, 18265), (303, 18268), (311, 18289), (321, 18319), (324, 18331), (330, 18364), (347, 18475), (349, 18478), (356, 18505), (358, 18511), (369, 18565), (370, 18568), (377, 18595), (394, 18670), (396, 18682), (397, 18685), (408, 18751), (411, 18772), (412, 18775), (415, 18796), (417, 18805), (430, 18865), (431, 18868), (437, 18898), (441, 18922), (446, 18934), (448, 18943), (466, 19039), (470, 19057), (472, 19066), (473, 19078), (482, 19144), (486, 19153), (488, 19165), (495, 19189), (498, 19225), (520, 19381), (542, 19516), (546, 19540), (553, 19594), (565, 19663), (570, 19708), (571, 19711),

Gene: Topper_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Topper_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Totinger_19 Start: 17189, Stop: 19726, Start Num: 30

Candidate Starts for Totinger_19:

(Start: 30 @17189 has 239 MA's), (36, 17210), (Start: 46 @17231 has 1 MA's), (60, 17270), (93, 17339), (99, 17348), (100, 17351), (105, 17369), (120, 17417), (157, 17570), (159, 17579), (171, 17624), (187, 17723), (188, 17726), (199, 17792), (214, 17867), (215, 17873), (217, 17891), (224, 17915), (225, 17921), (226, 17924), (236, 17957), (238, 17963), (245, 17993), (255, 18014), (264, 18044), (266, 18053), (270, 18068), (271, 18071), (295, 18182), (296, 18185), (297, 18194), (298, 18200), (301, 18215), (303, 18218), (311, 18239), (321, 18269), (324, 18281), (330, 18314), (347, 18425), (349, 18428), (356, 18455), (358, 18461), (369, 18515), (370, 18518), (394, 18620), (396, 18632), (397, 18635), (408, 18701), (412, 18725), (415, 18746), (417, 18755), (430, 18815), (431, 18818), (439, 18854), (441, 18872), (446, 18884), (448, 18893), (456, 18920), (465, 18977), (466, 18989), (470, 19007), (472, 19016), (473, 19028), (478, 19064), (482, 19094), (486, 19103), (488, 19115), (498, 19175), (504, 19229), (515, 19289), (520, 19331), (542, 19466), (546, 19490), (553, 19544), (558, 19592), (568, 19634), (570, 19658), (571, 19661),

Gene: Toto_26 Start: 22284, Stop: 24680, Start Num: 66

Candidate Starts for Toto_26:

(Start: 66 @22284 has 122 MA's), (128, 22461), (132, 22482), (178, 22629), (200, 22770), (205, 22803), (214, 22836), (220, 22872), (245, 22965), (266, 23025), (271, 23043), (307, 23199), (313, 23220), (339, 23340), (342, 23352), (347, 23397), (394, 23592), (397, 23607), (405, 23652), (407, 23667), (439, 23823), (441, 23841), (444, 23850), (470, 23979), (471, 23982), (503, 24192), (505, 24204), (527, 24318), (558, 24534), (571, 24618), (575, 24642), (577, 24651),

Gene: Traaww1_24 Start: 21929, Stop: 24325, Start Num: 66

Candidate Starts for Traaww1_24:

(Start: 66 @21929 has 122 MA's), (128, 22106), (132, 22127), (178, 22274), (200, 22415), (205, 22448), (214, 22481), (220, 22517), (245, 22610), (266, 22670), (271, 22688), (290, 22769), (342, 22997), (347, 23042), (394, 23237), (395, 23243), (397, 23252), (405, 23297), (407, 23312), (439, 23468), (441, 23486), (444, 23495), (458, 23549), (470, 23624), (471, 23627), (503, 23837), (505, 23849), (527, 23963), (558, 24179), (571, 24263), (575, 24287), (577, 24296),

Gene: TreyKay_27 Start: 20846, Stop: 23278, Start Num: 57

Candidate Starts for TreyKay_27:

(Start: 57 @20846 has 90 MA's), (95, 20945), (166, 21206), (204, 21434), (212, 21467), (218, 21497), (242, 21569), (247, 21593), (264, 21638), (295, 21791), (302, 21836), (306, 21848), (309, 21857), (319, 21893), (324, 21908), (354, 22088), (359, 22103), (373, 22172), (377, 22184), (389, 22247), (397, 22289), (405, 22328), (406, 22334), (407, 22343), (410, 22364), (423, 22424), (450, 22541), (458, 22583), (470, 22655), (472, 22664), (476, 22685), (487, 22757), (492, 22778), (504, 22874), (539, 23102), (558, 23249),

Gene: TruffulaTree_27 Start: 20875, Stop: 23307, Start Num: 57

Candidate Starts for TruffulaTree_27:

(Start: 57 @20875 has 90 MA's), (95, 20974), (166, 21235), (171, 21256), (204, 21463), (212, 21496), (218, 21526), (242, 21598), (247, 21622), (264, 21667), (295, 21820), (302, 21865), (306, 21877), (309, 21886), (324, 21937), (354, 22117), (359, 22132), (373, 22201), (377, 22213), (389, 22276), (397, 22318), (405, 22357), (406, 22363), (407, 22372), (410, 22393), (423, 22453), (450, 22570), (458, 22612), (470, 22684), (472, 22693), (476, 22714), (487, 22786), (492, 22807), (504, 22903), (515, 22966), (539, 23131), (558, 23278),

Gene: Tuco_27 Start: 22799, Stop: 25195, Start Num: 66

Candidate Starts for Tuco_27:

(Start: 66 @22799 has 122 MA's), (128, 22976), (132, 22997), (178, 23144), (200, 23285), (205, 23318), (214, 23351), (220, 23387), (245, 23480), (266, 23540), (271, 23558), (290, 23639), (342, 23867), (347, 23912), (394, 24107), (395, 24113), (397, 24122), (405, 24167), (407, 24182), (439, 24338), (441, 24356), (444, 24365), (458, 24419), (470, 24494), (471, 24497), (503, 24707), (505, 24719), (527, 24833), (558, 25049), (571, 25133), (575, 25157), (577, 25166),

Gene: Tweety_18 Start: 17451, Stop: 19988, Start Num: 30

Candidate Starts for Tweety_18:

(Start: 25 @17439 has 3 MA's), (Start: 30 @17451 has 239 MA's), (36, 17472), (Start: 46 @17493 has 1 MA's), (60, 17532), (93, 17601), (99, 17610), (100, 17613), (105, 17631), (115, 17664), (120, 17679), (131, 17727), (158, 17838), (159, 17841), (168, 17871), (171, 17886), (184, 17964), (188, 17988), (199, 18054), (206, 18099), (214, 18129), (215, 18135), (217, 18153), (224, 18177), (226, 18186), (236, 18219), (238, 18225), (245, 18255), (260, 18294), (264, 18306), (266, 18315), (270, 18330), (271, 18333), (295, 18444), (296, 18447), (297, 18456), (298, 18462), (301, 18477), (303, 18480), (311, 18501), (321, 18531), (324, 18543), (330, 18576), (342, 18642), (347, 18687), (349, 18690), (356, 18717), (358, 18723), (369, 18777), (370, 18780), (392, 18867), (394, 18882), (396, 18894), (397, 18897), (408, 18963), (412, 18987), (415, 19008), (417, 19017), (426, 19059), (430, 19077), (431, 19080), (439, 19116), (441, 19134), (446, 19146), (448, 19155), (456, 19182), (466, 19251), (470, 19269), (472, 19278), (473, 19290), (478, 19326), (482, 19356), (488, 19377), (495, 19401),

(498, 19437), (504, 19491), (515, 19551), (520, 19593), (542, 19728), (546, 19752), (553, 19806), (558, 19854), (568, 19896), (570, 19920), (571, 19923),

Gene: Twitch_27 Start: 20912, Stop: 23344, Start Num: 57

Candidate Starts for Twitch_27:

(Start: 57 @20912 has 90 MA's), (95, 21011), (166, 21272), (171, 21293), (204, 21500), (212, 21533), (218, 21563), (242, 21635), (247, 21659), (295, 21857), (302, 21902), (306, 21914), (309, 21923), (324, 21974), (354, 22154), (359, 22169), (373, 22238), (377, 22250), (389, 22313), (397, 22355), (405, 22394), (406, 22400), (407, 22409), (410, 22430), (423, 22490), (450, 22607), (458, 22649), (470, 22721), (472, 22730), (476, 22751), (487, 22823), (492, 22844), (504, 22940), (527, 23087), (539, 23168), (558, 23315),

Gene: Ukulele_26 Start: 22042, Stop: 24438, Start Num: 66

Candidate Starts for Ukulele_26:

(Start: 66 @22042 has 122 MA's), (128, 22219), (132, 22240), (178, 22387), (205, 22561), (214, 22594), (220, 22630), (245, 22723), (266, 22783), (271, 22801), (299, 22933), (313, 22978), (342, 23110), (347, 23155), (365, 23215), (391, 23329), (394, 23350), (402, 23389), (405, 23410), (407, 23425), (437, 23575), (439, 23581), (441, 23599), (457, 23653), (470, 23737), (486, 23830), (527, 24076), (558, 24292), (571, 24376), (577, 24409),

Gene: UncleRicky_19 Start: 17219, Stop: 19756, Start Num: 30

Candidate Starts for UncleRicky_19:

(Start: 25 @17207 has 3 MA's), (Start: 30 @17219 has 239 MA's), (36, 17240), (Start: 46 @17261 has 1 MA's), (60, 17300), (93, 17369), (99, 17378), (100, 17381), (105, 17399), (115, 17432), (120, 17447), (131, 17495), (157, 17600), (159, 17609), (170, 17651), (171, 17654), (184, 17732), (188, 17756), (199, 17822), (206, 17867), (214, 17897), (215, 17903), (217, 17921), (224, 17945), (226, 17954), (236, 17987), (238, 17993), (245, 18023), (260, 18062), (264, 18074), (266, 18083), (270, 18098), (271, 18101), (295, 18212), (297, 18224), (298, 18230), (301, 18245), (303, 18248), (311, 18269), (321, 18299), (324, 18311), (330, 18344), (342, 18410), (347, 18455), (349, 18458), (356, 18485), (358, 18491), (369, 18545), (370, 18548), (377, 18575), (394, 18650), (396, 18662), (397, 18665), (408, 18731), (412, 18755), (417, 18785), (426, 18827), (430, 18845), (431, 18848), (439, 18884), (441, 18902), (448, 18923), (456, 18950), (466, 19019), (470, 19037), (472, 19046), (473, 19058), (478, 19094), (482, 19124), (486, 19133), (488, 19145), (498, 19205), (504, 19259), (515, 19319), (520, 19361), (533, 19439), (542, 19496), (546, 19520), (553, 19574), (558, 19622), (568, 19664), (570, 19688), (571, 19691),

Gene: Urkel_27 Start: 20840, Stop: 23272, Start Num: 57

Candidate Starts for Urkel_27:

(52, 20822), (Start: 57 @20840 has 90 MA's), (76, 20888), (95, 20939), (166, 21200), (171, 21221), (211, 21458), (212, 21461), (218, 21491), (219, 21494), (242, 21563), (247, 21587), (249, 21593), (253, 21599), (264, 21632), (295, 21785), (306, 21842), (309, 21851), (324, 21902), (354, 22082), (359, 22097), (373, 22166), (377, 22178), (383, 22214), (389, 22241), (397, 22283), (405, 22322), (406, 22328), (407, 22337), (410, 22358), (423, 22418), (430, 22451), (433, 22469), (450, 22535), (458, 22577), (470, 22649), (472, 22658), (476, 22679), (487, 22751), (504, 22868), (527, 23015), (539, 23096), (550, 23171), (558, 23243),

Gene: VRedHorse_18 Start: 17564, Stop: 20101, Start Num: 30

Candidate Starts for VRedHorse_18:

(Start: 25 @17552 has 3 MA's), (Start: 30 @17564 has 239 MA's), (36, 17585), (Start: 46 @17606 has 1 MA's), (59, 17642), (60, 17645), (93, 17714), (99, 17723), (100, 17726), (105, 17744), (115, 17777), (120, 17792), (131, 17840), (157, 17945), (158, 17951), (159, 17954), (170, 17996), (171, 17999), (188, 18101), (199, 18167), (206, 18212), (214, 18242), (215, 18248), (217, 18266), (224, 18290), (226, 18299), (236, 18332), (238, 18338), (255, 18389), (260, 18407), (264, 18419), (266, 18428),

(270, 18443), (272, 18449), (295, 18557), (297, 18569), (298, 18575), (301, 18590), (303, 18593), (311, 18614), (321, 18644), (324, 18656), (330, 18689), (342, 18755), (347, 18800), (349, 18803), (356, 18830), (358, 18836), (369, 18890), (370, 18893), (394, 18995), (396, 19007), (397, 19010), (408, 19076), (412, 19100), (415, 19121), (417, 19130), (430, 19190), (431, 19193), (439, 19229), (441, 19247), (448, 19268), (456, 19295), (466, 19364), (470, 19382), (472, 19391), (473, 19403), (478, 19439), (488, 19490), (493, 19508), (498, 19550), (504, 19604), (520, 19706), (533, 19784), (542, 19841), (546, 19865), (553, 19919), (558, 19967), (570, 20033), (571, 20036),

Gene: Veliki_27 Start: 20915, Stop: 23347, Start Num: 57

Candidate Starts for Veliki_27:

(Start: 57 @20915 has 90 MA's), (95, 21014), (166, 21275), (171, 21296), (204, 21503), (212, 21536), (218, 21566), (242, 21638), (247, 21662), (264, 21707), (295, 21860), (302, 21905), (306, 21917), (309, 21926), (324, 21977), (354, 22157), (359, 22172), (373, 22241), (377, 22253), (397, 22358), (405, 22397), (406, 22403), (407, 22412), (423, 22493), (432, 22541), (451, 22616), (458, 22652), (472, 22733), (476, 22754), (492, 22847), (504, 22943), (527, 23090), (533, 23132), (539, 23171), (550, 23246),

Gene: Veteran_18 Start: 17402, Stop: 19939, Start Num: 30

Candidate Starts for Veteran_18:

(Start: 30 @17402 has 239 MA's), (36, 17423), (Start: 46 @17444 has 1 MA's), (60, 17483), (93, 17552), (99, 17561), (100, 17564), (105, 17582), (115, 17615), (120, 17630), (157, 17783), (159, 17792), (171, 17837), (187, 17936), (188, 17939), (199, 18005), (214, 18080), (215, 18086), (224, 18128), (225, 18134), (226, 18137), (236, 18170), (238, 18176), (245, 18206), (255, 18227), (264, 18257), (266, 18266), (270, 18281), (271, 18284), (295, 18395), (296, 18398), (297, 18407), (298, 18413), (301, 18428), (303, 18431), (311, 18452), (321, 18482), (324, 18494), (330, 18527), (347, 18638), (349, 18641), (356, 18668), (358, 18674), (369, 18728), (370, 18731), (392, 18818), (394, 18833), (396, 18845), (397, 18848), (408, 18914), (412, 18938), (415, 18959), (417, 18968), (426, 19010), (430, 19028), (431, 19031), (437, 19061), (441, 19085), (446, 19097), (448, 19106), (466, 19202), (470, 19220), (472, 19229), (473, 19241), (478, 19277), (482, 19307), (486, 19316), (488, 19328), (498, 19388), (504, 19442), (515, 19502), (520, 19544), (542, 19679), (546, 19703), (553, 19757), (558, 19805), (568, 19847), (570, 19871), (571, 19874),

Gene: Vorrps_58 Start: 36138, Stop: 38648, Start Num: 30

Candidate Starts for Vorrps_58:

(Start: 30 @36138 has 239 MA's), (39, 36171), (63, 36240), (65, 36243), (73, 36267), (81, 36291), (87, 36315), (103, 36348), (155, 36555), (158, 36567), (159, 36570), (191, 36717), (194, 36747), (199, 36771), (206, 36801), (207, 36804), (214, 36831), (217, 36855), (225, 36885), (241, 36942), (246, 36966), (260, 37002), (264, 37014), (270, 37038), (271, 37041), (279, 37083), (301, 37179), (303, 37182), (362, 37437), (394, 37581), (405, 37641), (414, 37713), (415, 37716), (436, 37812), (470, 37986), (473, 38007), (491, 38100), (494, 38112), (504, 38202), (517, 38277), (532, 38322), (564, 38523), (569, 38577), (574, 38592),

Gene: Wachhund_18 Start: 17422, Stop: 19959, Start Num: 30

Candidate Starts for Wachhund_18:

(Start: 30 @17422 has 239 MA's), (36, 17443), (Start: 46 @17464 has 1 MA's), (60, 17503), (93, 17572), (99, 17581), (100, 17584), (105, 17602), (120, 17650), (158, 17809), (159, 17812), (171, 17857), (184, 17935), (187, 17956), (188, 17959), (199, 18025), (214, 18100), (215, 18106), (224, 18148), (225, 18154), (226, 18157), (236, 18190), (238, 18196), (245, 18226), (255, 18247), (264, 18277), (266, 18286), (291, 18394), (295, 18415), (296, 18418), (297, 18427), (298, 18433), (301, 18448), (303, 18451), (311, 18472), (321, 18502), (324, 18514), (330, 18547), (347, 18658), (349, 18661), (356, 18688), (358, 18694), (369, 18748), (370, 18751), (392, 18838), (394, 18853), (396, 18865), (397, 18868), (408, 18934), (415, 18979), (417, 18988), (430, 19048), (431, 19051), (439, 19087), (441, 19105), (446, 19117), (448, 19126), (456, 19153), (466, 19222), (470, 19240), (472,

19249), (473, 19261), (478, 19297), (482, 19327), (488, 19348), (495, 19372), (498, 19408), (504, 19462), (515, 19522), (520, 19564), (542, 19699), (546, 19723), (553, 19777), (558, 19825), (568, 19867), (570, 19891), (571, 19894),

Gene: Wanda_39 Start: 29807, Stop: 32362, Start Num: 30

Candidate Starts for Wanda_39:

(Start: 30 @29807 has 239 MA's), (105, 30002), (115, 30038), (120, 30053), (131, 30101), (158, 30212), (159, 30215), (168, 30245), (171, 30260), (184, 30338), (188, 30362), (199, 30428), (206, 30473), (214, 30503), (215, 30509), (217, 30527), (224, 30551), (226, 30560), (236, 30593), (238, 30599), (245, 30629), (260, 30668), (264, 30680), (266, 30689), (270, 30704), (271, 30707), (295, 30818), (296, 30821), (297, 30830), (298, 30836), (301, 30851), (303, 30854), (311, 30875), (321, 30905), (324, 30917), (330, 30950), (342, 31016), (347, 31061), (349, 31064), (356, 31091), (358, 31097), (369, 31151), (370, 31154), (392, 31241), (394, 31256), (396, 31268), (397, 31271), (408, 31337), (415, 31382), (417, 31391), (430, 31451), (431, 31454), (439, 31490), (441, 31508), (446, 31520), (448, 31529), (456, 31556), (466, 31625), (470, 31643), (472, 31652), (473, 31664), (478, 31700), (482, 31730), (488, 31751), (495, 31775), (498, 31811), (504, 31865), (515, 31925), (520, 31967), (542, 32102), (546, 32126), (553, 32180), (558, 32228), (568, 32270), (570, 32294), (571, 32297),

Gene: Wee_19 Start: 17971, Stop: 20508, Start Num: 30

Candidate Starts for Wee_19:

(Start: 25 @17959 has 3 MA's), (Start: 30 @17971 has 239 MA's), (36, 17992), (Start: 46 @18013 has 1 MA's), (60, 18052), (93, 18121), (99, 18130), (100, 18133), (105, 18151), (115, 18184), (120, 18199), (131, 18247), (157, 18352), (158, 18358), (159, 18361), (170, 18403), (171, 18406), (184, 18484), (199, 18574), (206, 18619), (214, 18649), (215, 18655), (217, 18673), (224, 18697), (226, 18706), (236, 18739), (238, 18745), (245, 18775), (260, 18814), (264, 18826), (266, 18835), (270, 18850), (271, 18853), (295, 18964), (296, 18967), (297, 18976), (298, 18982), (301, 18997), (303, 19000), (311, 19021), (321, 19051), (324, 19063), (330, 19096), (342, 19162), (347, 19207), (349, 19210), (356, 19237), (358, 19243), (369, 19297), (370, 19300), (392, 19387), (394, 19402), (396, 19414), (397, 19417), (408, 19483), (415, 19528), (417, 19537), (430, 19597), (431, 19600), (439, 19636), (441, 19654), (446, 19666), (448, 19675), (456, 19702), (466, 19771), (470, 19789), (472, 19798), (473, 19810), (478, 19846), (482, 19876), (488, 19897), (495, 19921), (498, 19957), (504, 20011), (515, 20071), (520, 20113), (542, 20248), (546, 20272), (553, 20326), (558, 20374), (568, 20416), (570, 20440), (571, 20443),

Gene: Whatsapiecost_18 Start: 17447, Stop: 19984, Start Num: 30

Candidate Starts for Whatsapiecost_18:

(Start: 25 @17435 has 3 MA's), (Start: 30 @17447 has 239 MA's), (36, 17468), (Start: 46 @17489 has 1 MA's), (60, 17528), (93, 17597), (99, 17606), (100, 17609), (105, 17627), (115, 17660), (120, 17675), (131, 17723), (158, 17834), (159, 17837), (168, 17867), (170, 17879), (171, 17882), (184, 17960), (188, 17984), (199, 18050), (206, 18095), (214, 18125), (215, 18131), (217, 18149), (224, 18173), (226, 18182), (236, 18215), (238, 18221), (245, 18251), (260, 18290), (264, 18302), (266, 18311), (270, 18326), (271, 18329), (295, 18440), (296, 18443), (297, 18452), (298, 18458), (301, 18473), (303, 18476), (311, 18497), (321, 18527), (324, 18539), (330, 18572), (347, 18683), (349, 18686), (356, 18713), (358, 18719), (369, 18773), (370, 18776), (394, 18878), (396, 18890), (397, 18893), (408, 18959), (412, 18983), (415, 19004), (417, 19013), (430, 19073), (431, 19076), (439, 19112), (441, 19130), (446, 19142), (448, 19151), (456, 19178), (466, 19247), (470, 19265), (472, 19274), (473, 19286), (478, 19322), (482, 19352), (488, 19373), (495, 19397), (498, 19433), (504, 19487), (515, 19547), (520, 19589), (533, 19667), (542, 19724), (546, 19748), (553, 19802), (558, 19850), (568, 19892), (570, 19916), (571, 19919),

Gene: Whouxphf_18 Start: 17504, Stop: 20041, Start Num: 30

Candidate Starts for Whouxphf_18:

(Start: 30 @17504 has 239 MA's), (36, 17525), (Start: 46 @17546 has 1 MA's), (60, 17585), (93, 17654), (99, 17663), (100, 17666), (105, 17684), (120, 17732), (158, 17891), (159, 17894), (171, 17939), (187, 18038), (188, 18041), (214, 18182), (215, 18188), (224, 18230), (225, 18236), (226, 18239), (236, 18272), (238, 18278), (245, 18308), (255, 18329), (264, 18359), (266, 18368), (291, 18476), (294, 18488), (295, 18497), (296, 18500), (297, 18509), (298, 18515), (301, 18530), (303, 18533), (311, 18554), (324, 18596), (330, 18629), (356, 18770), (358, 18776), (369, 18830), (370, 18833), (377, 18860), (394, 18935), (396, 18947), (397, 18950), (408, 19016), (412, 19040), (415, 19061), (417, 19070), (426, 19112), (430, 19130), (431, 19133), (437, 19163), (441, 19187), (448, 19208), (466, 19304), (470, 19322), (472, 19331), (473, 19343), (478, 19379), (482, 19409), (486, 19418), (488, 19430), (498, 19490), (520, 19646), (533, 19724), (542, 19781), (546, 19805), (553, 19859), (558, 19907), (565, 19928), (570, 19973), (571, 19976),

Gene: Wiggin_29 Start: 22788, Stop: 25184, Start Num: 66

Candidate Starts for Wiggin_29:

(Start: 66 @22788 has 122 MA's), (128, 22965), (132, 22986), (178, 23133), (205, 23307), (214, 23340), (220, 23376), (245, 23469), (266, 23529), (271, 23547), (299, 23679), (313, 23724), (342, 23856), (347, 23901), (365, 23961), (391, 24075), (394, 24096), (402, 24135), (405, 24156), (407, 24171), (437, 24321), (439, 24327), (441, 24345), (457, 24399), (470, 24483), (486, 24576), (527, 24822), (558, 25038), (571, 25122), (577, 25155),

Gene: Wildcat_43 Start: 28342, Stop: 30909, Start Num: 28

Candidate Starts for Wildcat_43:

(Start: 28 @28342 has 6 MA's), (48, 28411), (92, 28534), (96, 28540), (98, 28543), (109, 28567), (113, 28588), (152, 28744), (154, 28750), (156, 28756), (164, 28786), (166, 28792), (171, 28813), (173, 28822), (183, 28882), (195, 28960), (215, 29059), (221, 29092), (225, 29107), (226, 29110), (238, 29149), (255, 29200), (260, 29218), (266, 29239), (268, 29245), (275, 29272), (279, 29299), (295, 29368), (300, 29392), (307, 29413), (313, 29434), (317, 29443), (324, 29464), (330, 29497), (331, 29500), (339, 29551), (342, 29563), (353, 29629), (359, 29647), (366, 29686), (394, 29803), (403, 29848), (411, 29905), (415, 29929), (417, 29938), (421, 29956), (430, 30001), (437, 30034), (443, 30070), (477, 30244), (478, 30262), (479, 30268), (492, 30325), (541, 30649), (543, 30667), (551, 30718), (559, 30781), (570, 30856),

Gene: Wildflower_58 Start: 35650, Stop: 38160, Start Num: 30

Candidate Starts for Wildflower_58:

(Start: 30 @35650 has 239 MA's), (39, 35683), (63, 35752), (65, 35755), (73, 35779), (81, 35803), (87, 35827), (103, 35860), (155, 36067), (158, 36079), (159, 36082), (191, 36229), (194, 36259), (199, 36283), (206, 36313), (207, 36316), (214, 36343), (217, 36367), (225, 36397), (241, 36454), (260, 36514), (264, 36526), (270, 36550), (271, 36553), (279, 36595), (301, 36691), (303, 36694), (362, 36949), (394, 37093), (405, 37153), (414, 37225), (415, 37228), (436, 37324), (470, 37498), (473, 37519), (491, 37612), (494, 37624), (504, 37714), (517, 37789), (532, 37834), (564, 38035), (569, 38089), (574, 38104),

Gene: WillSterrel_19 Start: 18757, Stop: 21294, Start Num: 30

Candidate Starts for WillSterrel_19:

(Start: 30 @18757 has 239 MA's), (36, 18778), (Start: 46 @18799 has 1 MA's), (60, 18838), (93, 18907), (99, 18916), (100, 18919), (105, 18937), (120, 18985), (157, 19138), (159, 19147), (171, 19192), (187, 19291), (188, 19294), (199, 19360), (214, 19435), (215, 19441), (217, 19459), (224, 19483), (225, 19489), (226, 19492), (236, 19525), (238, 19531), (245, 19561), (255, 19582), (264, 19612), (266, 19621), (270, 19636), (271, 19639), (295, 19750), (296, 19753), (297, 19762), (298, 19768), (301, 19783), (303, 19786), (311, 19807), (321, 19837), (324, 19849), (330, 19882), (347, 19993), (349, 19996), (356, 20023), (358, 20029), (369, 20083), (370, 20086), (392, 20173), (394, 20188), (396, 20200), (397, 20203), (408, 20269), (412, 20293), (415, 20314), (417, 20323), (430, 20383), (431, 20386), (439, 20422), (441, 20440), (446, 20452), (448, 20461), (456, 20488), (465,

20545), (466, 20557), (470, 20575), (472, 20584), (473, 20596), (478, 20632), (482, 20662), (486, 20671), (488, 20683), (498, 20743), (504, 20797), (515, 20857), (520, 20899), (542, 21034), (546, 21058), (553, 21112), (558, 21160), (568, 21202), (570, 21226), (571, 21229),

Gene: Willez_25 Start: 21788, Stop: 24184, Start Num: 66

Candidate Starts for Willez_25:

(Start: 66 @21788 has 122 MA's), (128, 21965), (132, 21986), (178, 22133), (200, 22274), (205, 22307), (214, 22340), (220, 22376), (245, 22469), (266, 22529), (271, 22547), (299, 22679), (313, 22724), (342, 22856), (347, 22901), (365, 22961), (391, 23075), (394, 23096), (402, 23135), (405, 23156), (407, 23171), (437, 23321), (439, 23327), (441, 23345), (457, 23399), (470, 23483), (486, 23576), (527, 23822), (558, 24038), (571, 24122), (577, 24155),

Gene: Winget_59 Start: 36356, Stop: 38866, Start Num: 30

Candidate Starts for Winget_59:

(Start: 30 @36356 has 239 MA's), (39, 36389), (63, 36458), (65, 36461), (73, 36485), (81, 36509), (87, 36533), (103, 36566), (155, 36773), (158, 36785), (159, 36788), (191, 36935), (194, 36965), (199, 36989), (206, 37019), (207, 37022), (214, 37049), (217, 37073), (225, 37103), (241, 37160), (246, 37184), (260, 37220), (264, 37232), (270, 37256), (271, 37259), (279, 37301), (301, 37397), (303, 37400), (362, 37655), (394, 37799), (405, 37859), (414, 37931), (415, 37934), (436, 38030), (470, 38204), (473, 38225), (491, 38318), (494, 38330), (504, 38420), (517, 38495), (532, 38540), (564, 38741), (569, 38795), (574, 38810),

Gene: XFactor_18 Start: 17403, Stop: 19940, Start Num: 30

Candidate Starts for XFactor_18:

(Start: 25 @17391 has 3 MA's), (Start: 30 @17403 has 239 MA's), (36, 17424), (Start: 46 @17445 has 1 MA's), (60, 17484), (93, 17553), (99, 17562), (100, 17565), (105, 17583), (115, 17616), (120, 17631), (131, 17679), (158, 17790), (159, 17793), (168, 17823), (171, 17838), (184, 17916), (188, 17940), (199, 18006), (206, 18051), (214, 18081), (215, 18087), (217, 18105), (224, 18129), (226, 18138), (236, 18171), (238, 18177), (245, 18207), (260, 18246), (264, 18258), (266, 18267), (270, 18282), (271, 18285), (295, 18396), (296, 18399), (297, 18408), (298, 18414), (301, 18429), (303, 18432), (311, 18453), (321, 18483), (324, 18495), (330, 18528), (347, 18639), (349, 18642), (356, 18669), (358, 18675), (369, 18729), (370, 18732), (394, 18834), (396, 18846), (397, 18849), (408, 18915), (412, 18939), (415, 18960), (417, 18969), (430, 19029), (431, 19032), (439, 19068), (441, 19086), (446, 19098), (448, 19107), (456, 19134), (466, 19203), (470, 19221), (472, 19230), (473, 19242), (478, 19278), (482, 19308), (488, 19329), (495, 19353), (498, 19389), (504, 19443), (515, 19503), (520, 19545), (533, 19623), (542, 19680), (546, 19704), (553, 19758), (558, 19806), (568, 19848), (570, 19872), (571, 19875),

Gene: Xandras_28 Start: 22274, Stop: 24670, Start Num: 66

Candidate Starts for Xandras_28:

(Start: 66 @22274 has 122 MA's), (128, 22451), (132, 22472), (178, 22619), (205, 22793), (214, 22826), (220, 22862), (245, 22955), (266, 23015), (271, 23033), (299, 23165), (313, 23210), (342, 23342), (347, 23387), (365, 23447), (391, 23561), (394, 23582), (402, 23621), (405, 23642), (407, 23657), (437, 23807), (439, 23813), (441, 23831), (457, 23885), (470, 23969), (486, 24062), (527, 24308), (558, 24524), (571, 24608), (577, 24641),

Gene: YassJohnny_27 Start: 22799, Stop: 25195, Start Num: 66

Candidate Starts for YassJohnny_27:

(Start: 66 @22799 has 122 MA's), (128, 22976), (132, 22997), (178, 23144), (200, 23285), (205, 23318), (214, 23351), (220, 23387), (245, 23480), (266, 23540), (271, 23558), (299, 23690), (313, 23735), (342, 23867), (347, 23912), (391, 24086), (394, 24107), (402, 24146), (405, 24167), (407, 24182), (439, 24338), (441, 24356), (457, 24410), (470, 24494), (486, 24587), (527, 24833), (558, 25049), (571, 25133), (577, 25166),

Gene: Yorick_18 Start: 17404, Stop: 19956, Start Num: 30

Candidate Starts for Yorick_18:

(Start: 30 @17404 has 239 MA's), (60, 17485), (93, 17554), (99, 17563), (100, 17566), (105, 17584), (120, 17632), (130, 17677), (158, 17791), (159, 17794), (163, 17806), (169, 17827), (170, 17836), (171, 17839), (181, 17887), (184, 17917), (194, 17983), (200, 18016), (206, 18052), (211, 18076), (225, 18136), (226, 18139), (232, 18157), (252, 18220), (254, 18223), (260, 18241), (266, 18262), (271, 18280), (277, 18307), (282, 18328), (290, 18361), (297, 18403), (298, 18409), (299, 18412), (303, 18427), (312, 18454), (313, 18457), (321, 18478), (324, 18490), (330, 18523), (345, 18616), (369, 18724), (375, 18748), (377, 18754), (382, 18772), (383, 18775), (388, 18799), (394, 18829), (399, 18853), (405, 18889), (406, 18895), (407, 18904), (411, 18931), (422, 18994), (426, 19018), (427, 19033), (437, 19075), (451, 19126), (467, 19222), (470, 19237), (472, 19246), (476, 19270), (486, 19333), (495, 19369), (540, 19675), (546, 19720), (558, 19822),

Gene: Yoshi_24 Start: 17092, Stop: 19641, Start Num: 16

Candidate Starts for Yoshi_24:

(14, 17083), (Start: 16 @17092 has 7 MA's), (Start: 30 @17152 has 239 MA's), (41, 17185), (43, 17188), (75, 17257), (85, 17287), (142, 17467), (148, 17482), (159, 17518), (161, 17524), (169, 17545), (174, 17569), (180, 17593), (203, 17740), (206, 17749), (214, 17773), (217, 17797), (224, 17821), (225, 17827), (232, 17848), (238, 17869), (245, 17899), (258, 17929), (264, 17950), (287, 18043), (290, 18058), (291, 18067), (295, 18088), (296, 18091), (321, 18175), (322, 18178), (324, 18187), (331, 18223), (337, 18262), (340, 18283), (342, 18286), (346, 18322), (351, 18343), (369, 18421), (370, 18424), (385, 18478), (396, 18538), (410, 18625), (412, 18631), (414, 18649), (415, 18652), (424, 18688), (435, 18742), (437, 18751), (455, 18829), (458, 18847), (463, 18883), (464, 18886), (466, 18904), (467, 18907), (470, 18922), (478, 18979), (480, 18991), (495, 19054), (498, 19087), (507, 19174), (518, 19222), (519, 19246), (524, 19273), (527, 19282), (532, 19321), (538, 19360), (542, 19384), (545, 19405), (558, 19501), (565, 19522), (574, 19585), (577, 19612), (578, 19621),

Gene: Youngblood_26 Start: 22452, Stop: 24848, Start Num: 66

Candidate Starts for Youngblood_26:

(Start: 66 @22452 has 122 MA's), (128, 22629), (132, 22650), (178, 22797), (200, 22938), (205, 22971), (214, 23004), (220, 23040), (245, 23133), (266, 23193), (271, 23211), (299, 23343), (313, 23388), (342, 23520), (347, 23565), (365, 23625), (391, 23739), (394, 23760), (402, 23799), (405, 23820), (407, 23835), (439, 23991), (441, 24009), (457, 24063), (470, 24147), (486, 24240), (527, 24486), (558, 24702), (571, 24786), (577, 24819),

Gene: YoureAdopted_26 Start: 20848, Stop: 23280, Start Num: 57

Candidate Starts for YoureAdopted_26:

(Start: 57 @20848 has 90 MA's), (95, 20947), (166, 21208), (171, 21229), (204, 21436), (212, 21469), (218, 21499), (242, 21571), (247, 21595), (264, 21640), (295, 21793), (302, 21838), (306, 21850), (309, 21859), (324, 21910), (354, 22090), (359, 22105), (373, 22174), (377, 22186), (397, 22291), (405, 22330), (406, 22336), (407, 22345), (423, 22426), (432, 22474), (451, 22549), (458, 22585), (470, 22657), (472, 22666), (476, 22687), (492, 22780), (504, 22876), (527, 23023), (533, 23065), (539, 23104), (550, 23179),

Gene: YungJamal_63 Start: 37548, Stop: 40058, Start Num: 30

Candidate Starts for YungJamal_63:

(Start: 30 @37548 has 239 MA's), (39, 37581), (63, 37650), (65, 37653), (73, 37677), (81, 37701), (87, 37725), (103, 37758), (155, 37965), (158, 37977), (159, 37980), (191, 38127), (194, 38157), (199, 38181), (206, 38211), (207, 38214), (214, 38241), (217, 38265), (225, 38295), (241, 38352), (260, 38412), (264, 38424), (270, 38448), (271, 38451), (279, 38493), (301, 38589), (303, 38592), (362, 38847), (394, 38991), (405, 39051), (414, 39123), (415, 39126), (436, 39222), (470, 39396), (473,

39417), (491, 39510), (494, 39522), (504, 39612), (517, 39687), (532, 39732), (564, 39933), (569, 39987), (574, 40002),

Gene: Yunkel11_27 Start: 20098, Stop: 22530, Start Num: 57

Candidate Starts for Yunkel11_27:

(Start: 57 @20098 has 90 MA's), (76, 20146), (Start: 77 @20149 has 1 MA's), (80, 20158), (166, 20458), (171, 20479), (212, 20719), (242, 20821), (247, 20845), (249, 20851), (264, 20890), (295, 21043), (306, 21100), (309, 21109), (324, 21160), (356, 21346), (359, 21355), (360, 21361), (369, 21406), (373, 21424), (389, 21499), (397, 21541), (405, 21580), (406, 21586), (407, 21595), (410, 21616), (420, 21664), (430, 21709), (432, 21724), (450, 21793), (458, 21835), (472, 21916), (487, 22009), (492, 22030), (504, 22126), (539, 22354), (547, 22408), (550, 22429), (558, 22501), (563, 22519),

Gene: Zabiza_28 Start: 20879, Stop: 23311, Start Num: 57

Candidate Starts for Zabiza_28:

(Start: 57 @20879 has 90 MA's), (95, 20978), (166, 21239), (171, 21260), (204, 21467), (212, 21500), (218, 21530), (242, 21602), (247, 21626), (264, 21671), (295, 21824), (302, 21869), (306, 21881), (309, 21890), (324, 21941), (354, 22121), (359, 22136), (373, 22205), (377, 22217), (397, 22322), (405, 22361), (406, 22367), (407, 22376), (423, 22457), (432, 22505), (451, 22580), (458, 22616), (472, 22697), (476, 22718), (492, 22811), (504, 22907), (527, 23054), (533, 23096), (539, 23135), (550, 23210),

Gene: Zakhe101_58 Start: 36194, Stop: 38704, Start Num: 30

Candidate Starts for Zakhe101_58:

(Start: 30 @36194 has 239 MA's), (39, 36227), (63, 36296), (65, 36299), (73, 36323), (81, 36347), (87, 36371), (103, 36404), (155, 36611), (158, 36623), (159, 36626), (191, 36773), (194, 36803), (199, 36827), (206, 36857), (207, 36860), (214, 36887), (217, 36911), (225, 36941), (241, 36998), (260, 37058), (264, 37070), (270, 37094), (271, 37097), (279, 37139), (301, 37235), (303, 37238), (362, 37493), (394, 37637), (405, 37697), (414, 37769), (415, 37772), (436, 37868), (470, 38042), (473, 38063), (491, 38156), (494, 38168), (504, 38258), (517, 38333), (532, 38378), (564, 38579), (569, 38633), (574, 38648),

Gene: Zapner_25 Start: 17617, Stop: 20169, Start Num: 16

Candidate Starts for Zapner_25:

(14, 17608), (Start: 16 @17617 has 7 MA's), (Start: 30 @17677 has 239 MA's), (43, 17713), (85, 17812), (131, 17953), (142, 17992), (148, 18007), (159, 18043), (161, 18049), (162, 18052), (169, 18070), (174, 18094), (180, 18118), (181, 18121), (203, 18265), (206, 18274), (214, 18298), (217, 18322), (224, 18346), (225, 18352), (232, 18373), (233, 18376), (238, 18394), (245, 18427), (258, 18457), (264, 18478), (287, 18571), (290, 18586), (291, 18595), (295, 18616), (296, 18619), (307, 18661), (321, 18703), (322, 18706), (324, 18715), (329, 18742), (331, 18751), (337, 18790), (340, 18811), (342, 18814), (346, 18850), (351, 18871), (369, 18949), (370, 18952), (385, 19006), (396, 19066), (410, 19153), (412, 19159), (415, 19180), (424, 19216), (435, 19270), (437, 19279), (455, 19357), (458, 19375), (463, 19411), (464, 19414), (466, 19432), (470, 19450), (478, 19507), (480, 19519), (495, 19582), (498, 19615), (507, 19702), (518, 19750), (519, 19774), (527, 19810), (532, 19849), (538, 19888), (542, 19912), (545, 19933), (558, 20029), (565, 20050), (572, 20110), (574, 20113), (577, 20140),

Gene: Zavala_27 Start: 20854, Stop: 23286, Start Num: 57

Candidate Starts for Zavala_27:

(Start: 57 @20854 has 90 MA's), (95, 20953), (166, 21214), (171, 21235), (204, 21442), (212, 21475), (218, 21505), (242, 21577), (247, 21601), (264, 21646), (295, 21799), (302, 21844), (306, 21856), (309, 21865), (324, 21916), (354, 22096), (359, 22111), (373, 22180), (377, 22192), (389, 22255), (397, 22297), (405, 22336), (406, 22342), (407, 22351), (410, 22372), (423, 22432), (450, 22549),

(458, 22591), (470, 22663), (472, 22672), (476, 22693), (487, 22765), (492, 22786), (504, 22882),
(515, 22945), (539, 23110), (558, 23257),

Gene: Zerg_18 Start: 17367, Stop: 19904, Start Num: 30

Candidate Starts for Zerg_18:

(Start: 30 @17367 has 239 MA's), (70, 17457), (93, 17517), (99, 17526), (100, 17529), (105, 17547),
(120, 17595), (157, 17748), (159, 17757), (171, 17802), (187, 17901), (188, 17904), (199, 17970),
(214, 18045), (215, 18051), (217, 18069), (224, 18093), (225, 18099), (226, 18102), (236, 18135),
(238, 18141), (245, 18171), (255, 18192), (264, 18222), (266, 18231), (270, 18246), (271, 18249),
(295, 18360), (296, 18363), (297, 18372), (298, 18378), (301, 18393), (303, 18396), (311, 18417),
(321, 18447), (324, 18459), (330, 18492), (347, 18603), (349, 18606), (356, 18633), (358, 18639),
(369, 18693), (370, 18696), (392, 18783), (394, 18798), (396, 18810), (397, 18813), (408, 18879),
(412, 18903), (415, 18924), (417, 18933), (430, 18993), (431, 18996), (439, 19032), (441, 19050),
(446, 19062), (448, 19071), (456, 19098), (465, 19155), (466, 19167), (470, 19185), (472, 19194),
(473, 19206), (478, 19242), (482, 19272), (486, 19281), (488, 19293), (498, 19353), (504, 19407),
(515, 19467), (520, 19509), (542, 19644), (546, 19668), (553, 19722), (558, 19770), (568, 19812),
(570, 19836), (571, 19839),

Gene: Zizzle_18 Start: 17375, Stop: 19900, Start Num: 30

Candidate Starts for Zizzle_18:

(Start: 30 @17375 has 239 MA's), (60, 17456), (93, 17525), (99, 17534), (100, 17537), (105, 17555),
(120, 17603), (130, 17648), (158, 17762), (159, 17765), (169, 17798), (171, 17810), (184, 17888),
(194, 17954), (200, 17987), (210, 18041), (214, 18053), (225, 18107), (226, 18110), (229, 18119),
(239, 18152), (252, 18191), (254, 18194), (259, 18209), (260, 18212), (268, 18239), (269, 18245),
(270, 18248), (271, 18251), (277, 18278), (280, 18296), (282, 18299), (297, 18374), (301, 18395),
(303, 18398), (312, 18425), (321, 18449), (330, 18494), (331, 18497), (339, 18548), (349, 18611),
(351, 18620), (357, 18644), (383, 18749), (384, 18752), (394, 18803), (395, 18809), (396, 18815),
(397, 18818), (405, 18863), (407, 18878), (411, 18905), (415, 18929), (426, 18980), (430, 18998),
(431, 19001), (432, 19013), (446, 19067), (470, 19190), (479, 19253), (493, 19316), (500, 19391),
(534, 19592), (567, 19802), (573, 19841), (574, 19844),

Gene: xkcd_27 Start: 22453, Stop: 24849, Start Num: 66

Candidate Starts for xkcd_27:

(Start: 66 @22453 has 122 MA's), (128, 22630), (132, 22651), (178, 22798), (200, 22939), (205,
22972), (214, 23005), (220, 23041), (245, 23134), (266, 23194), (271, 23212), (299, 23344), (313,
23389), (342, 23521), (347, 23566), (391, 23740), (394, 23761), (402, 23800), (405, 23821), (407,
23836), (439, 23992), (441, 24010), (457, 24064), (470, 24148), (486, 24241), (527, 24487), (558,
24703), (571, 24787), (577, 24820),