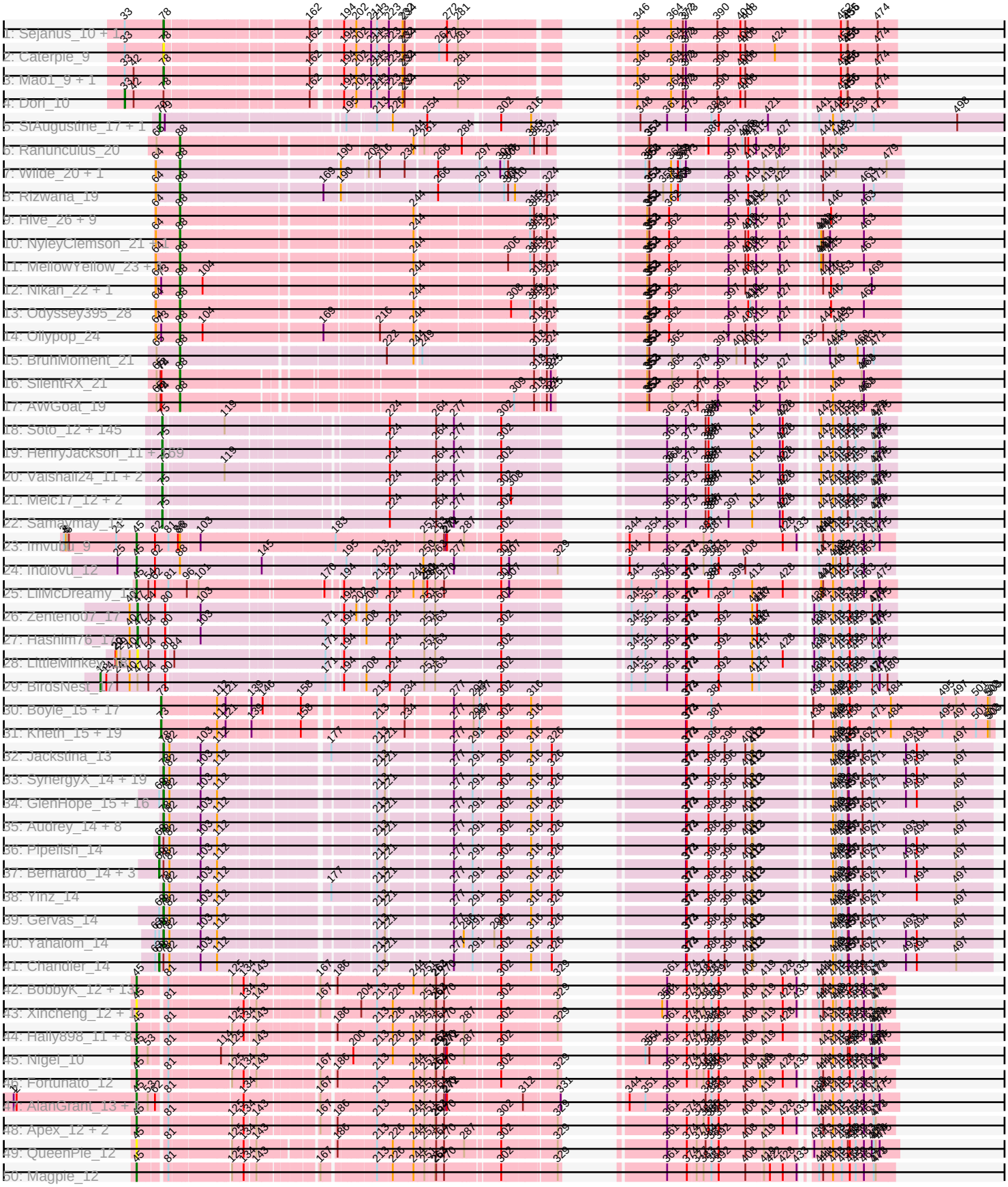
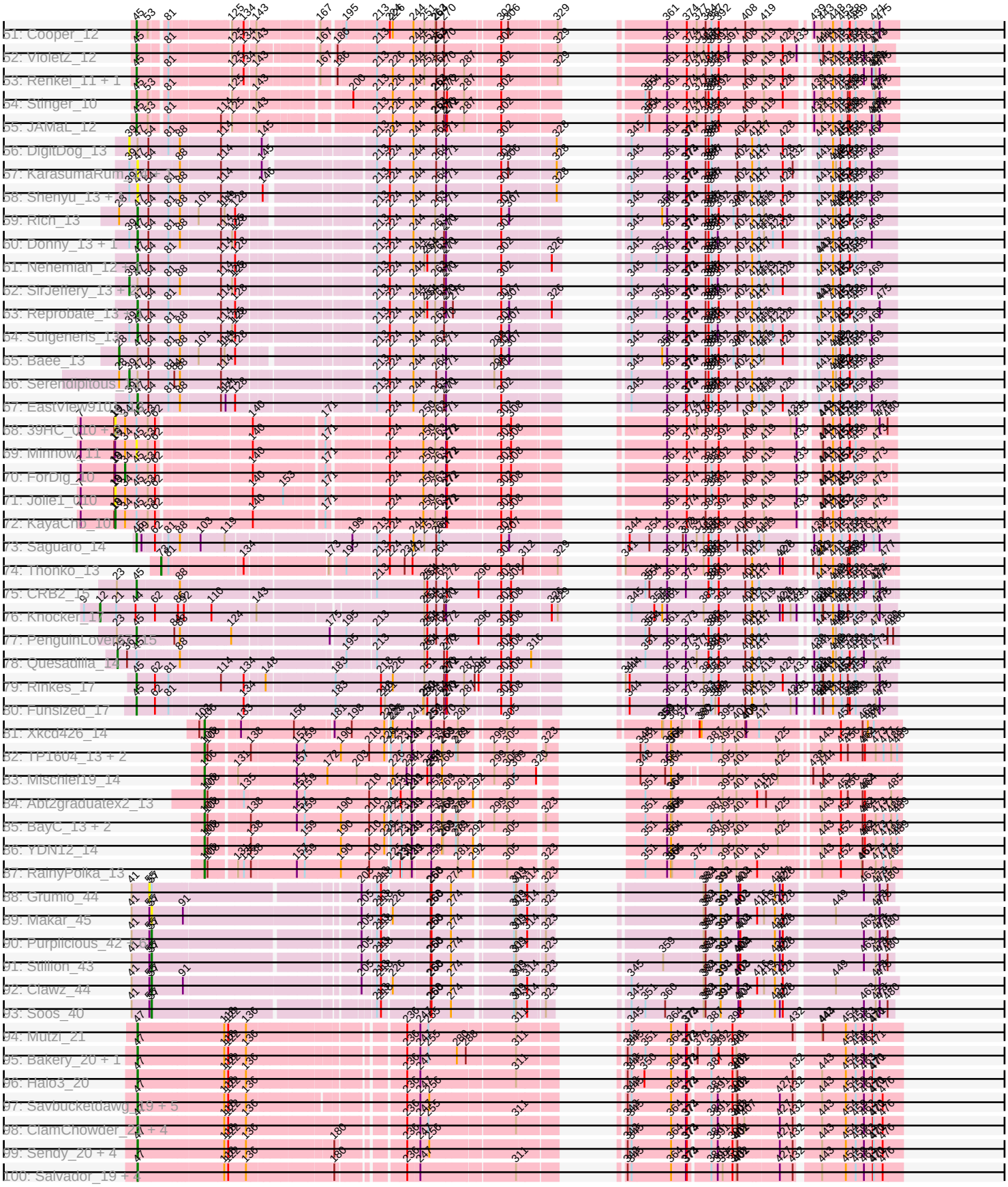
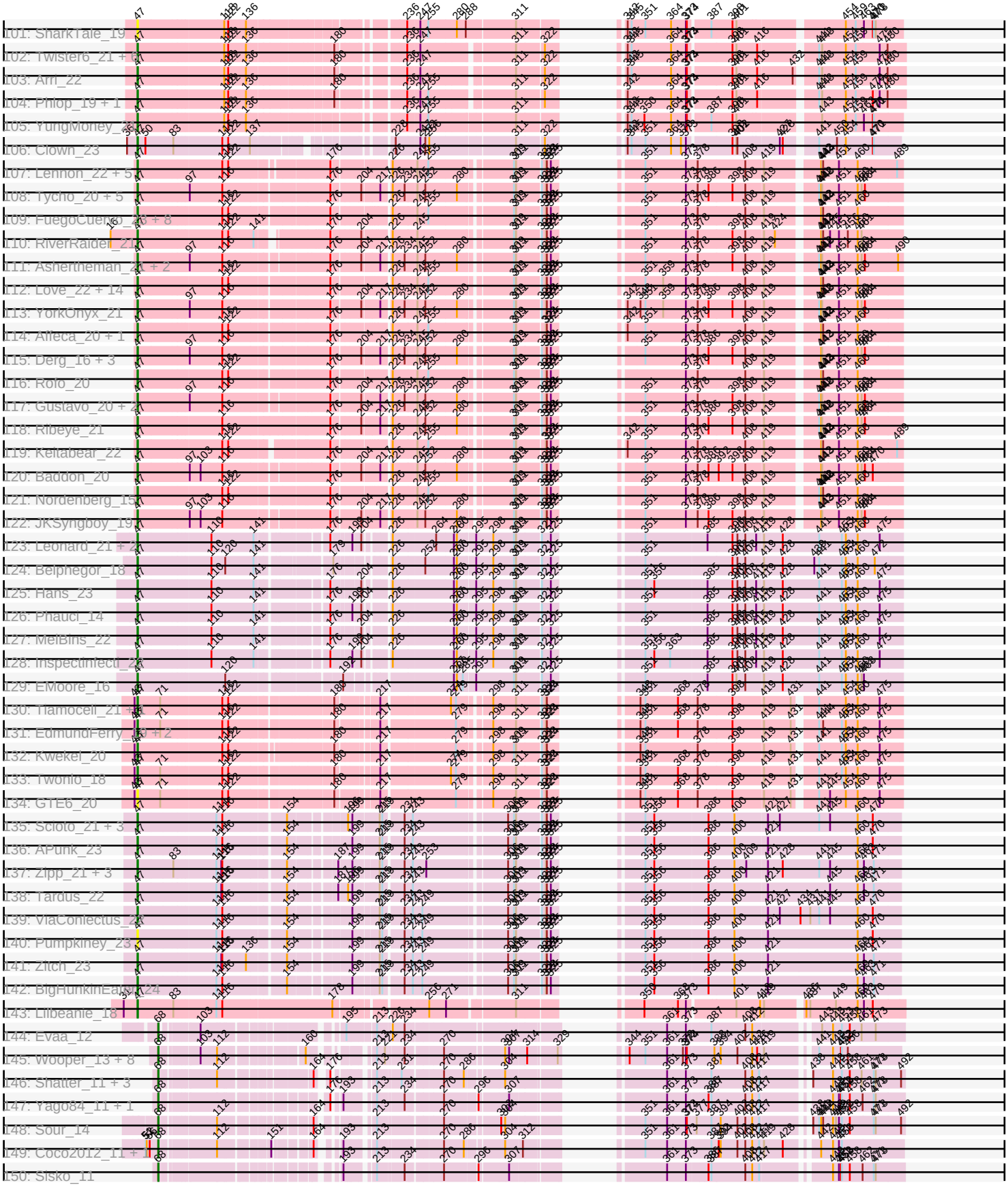
Pham 345195



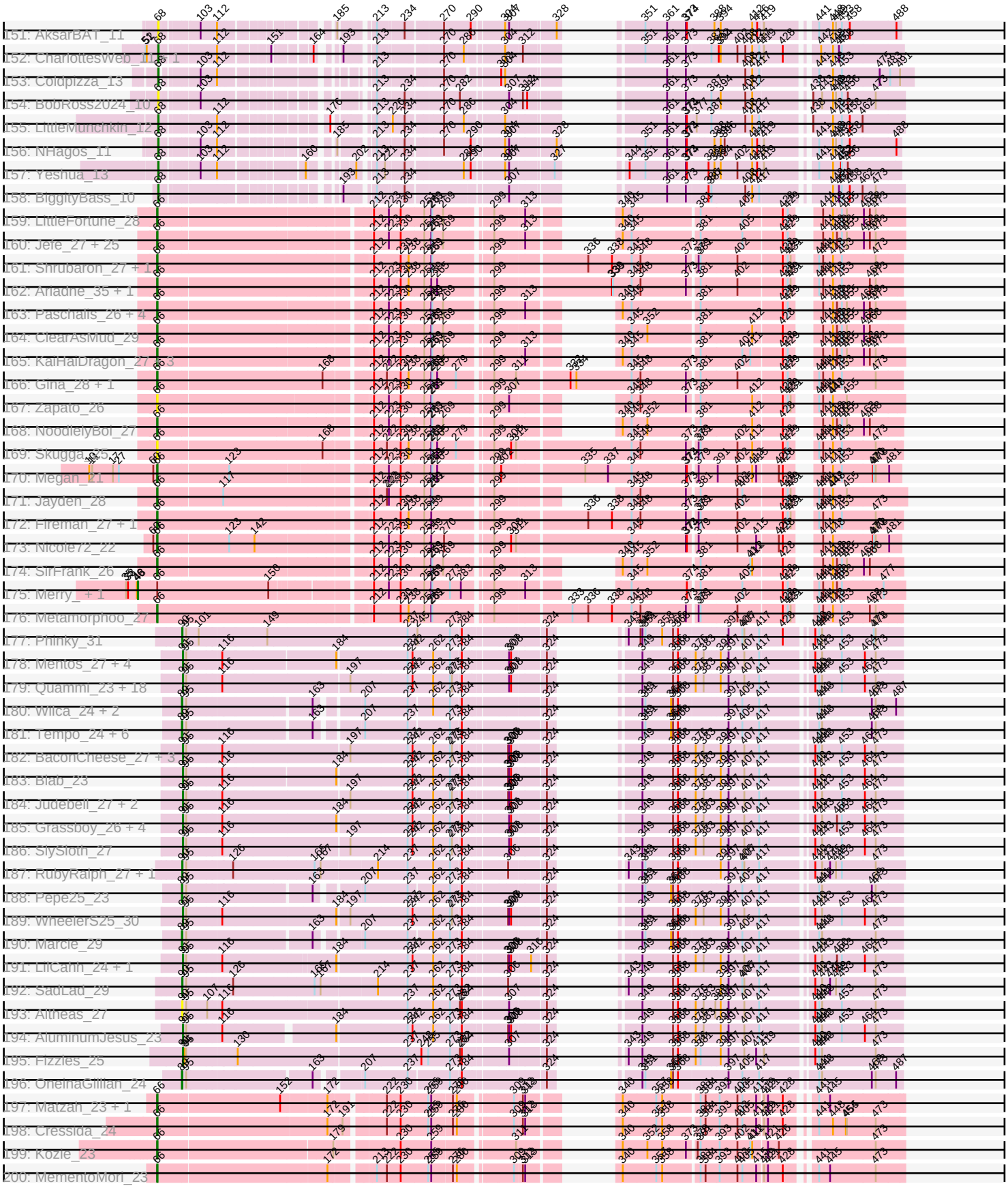
Pham 345195



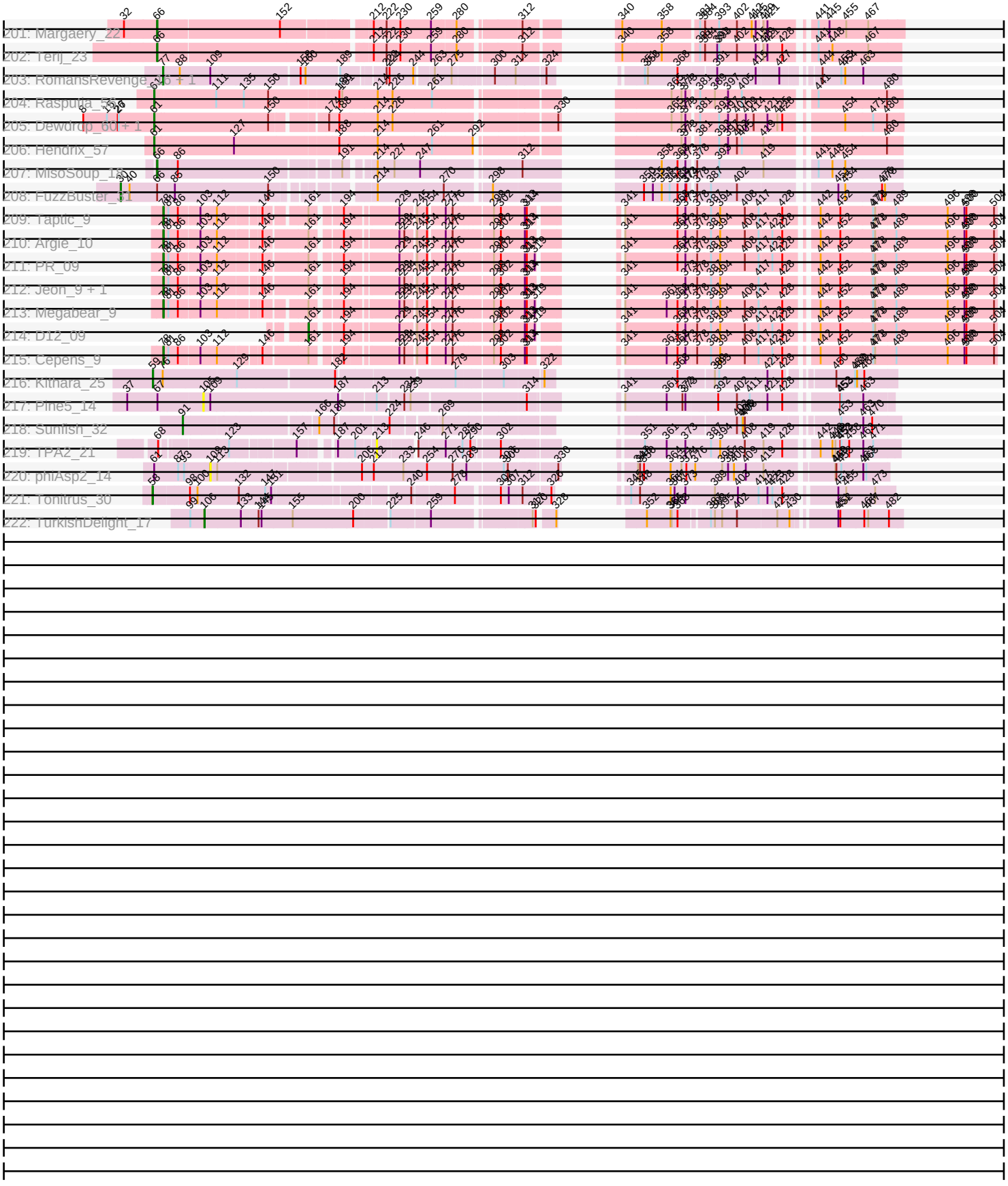
Pham 345195



Pham 345195



Pham 345195


201: Margaery_22
202: Tenj_23
203: RomansRevenge_46 + 1
204: Rasputia_56
205: Dewdrop_60 + 1
206: Hendrix_57
207: MisoSoup_13
208: FuzzBuster_31
209: Taptic_9
210: Argie_10
211: PR_09
212: Jeon_9 + 1
213: Megabear_9
214: D12_09
215: Cepens_9
216: Kithara_25
217: Pine5_14
218: Sunfish_32
219: TPA2_21
220: phiAsp2_14
221: Tonitrus_30
222: TurkishDelight_17

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 345195 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345195 has 855 members, 96 are drafts.

Phages represented in each track:
• Track 1 : Sejanus_10, JohnLord_10
• Track 2 : Caterpie_9
• Track 3 : Mao1_9, Mask_10
• Track 4 : Dori_10
• Track 5 : StAugustine_17, Causa_19
• Track 6 : Ranunculus_20
• Track 7 : Wilde_20, Tank_20
• Track 8 : Rizwana_19
• Track 9 : Hive_26, Pureglobe5_28, Popstraw_24, Pointis_26, Kubulix_27, BetaFish_26, Beagle_27, PhuzzTulsa_24, RIPWilbur_24, DogYard_26
• Track 10 : NyleyClemson_21, RazzB_22
• Track 11 : MellowYellow_23, Forrestell_23
• Track 12 : Nikan_22, Ren19_22
• Track 13 : Odyssey395_28
• Track 14 : Ollypop_24
• Track 15 : BruhMoment_21
• Track 16 : SilentRX_21
• Track 17 : AWGoat_19
• Track 18 : Soto_12, HSavage_12, TallGrassMM_12, Vectra_11, Gyarad_0012, Cornobble_11, FugateOSU_11, Doddsville_12, OliverWalter_12, Dione_11, FluffyNinja_12, Gwilliam_12, Yoshand_12, Virgeve_11, Etaye_12, Cher_11, Newman_12, Altwerkus_11, Khan1_11, Karn_11, Nacho_0012, Rimu_12, JakeO_11, CheetO_12, EmGer13_11, Swish_12, Antonia_11, Mosaic_11, KlimbOn_12, SallyH_12, BlueHusk_12, Suffolk_12, Mikota_12, ThreeOh3D2_12, DonSanchon_11, Grand2040_11, Badfish_12, Solosis_11, Jesabah_12, Crownjwl_12, Maru_11, Roy17_12, Aelin_11, BlacksBerry_11, Placalicious_11, Dati_12, DirtJuice_12, Pherdinand_12, Jiraiya_11, Jillium_11, Carthage_11, Chorkpop_12, Burr_11, KLucky39_12, Selr12_12, DaddyDaniels_12, MrPhizzler_12, Basato_13, UncleHowie_12, MiniBoss_12, Giraffe_12, Ricotta_11, Mulan_11, Duggie_11, Horchata_12, Mana_11, Morgushi_12, Timmi_11, MitKao_12, Olak_11, Thunderbird_11, Puhltonio_12, BlackStallion_12, Riggan_12, Bishoperium_11, Mcshane_11, Mecca_11, AbsoluteMadLad_11, Happabalu_12, Phipps_12, Manad_11, Gareth_11, JDog_11, Beaglebox_11, GreenChile_12, Robyn_11, Bluephacebaby_11, Scoot17C_12, SDcharge11_12, Lasso_12, Lopsy_11, Tooj_12, Schadenfreude_11, Haleema_11, Scrick_11, Freya_11, RedMaple_11, Pacifista_11, Lulumae_11, Olive_12, AltPhacts_12, Xavier_11, Emiris_12, Vortex_12, Iridessa_12, Murdoc_12, Vaticameos_12, FriarPreacher_12, RedRaider89_13, Potter_11,

PinheadLarry_12, Pops_12, Chunky_12, Held_12, OneBrain_12, Longacauda_11, FremontTroll_11, Mesmerelda_11, Dingo_12, Iridoclysis_12, Lumine_11, Oosterbaan_12, Roliet_12, Legolas_11, Sheila_12, Inverness_12, Orwigg_11, LostAndPhound_11, Banjo_11, MRabcd_11, Frankicide_12, Hekos_11, Cornbread_11, LuckyMarjie_11, Buckeye_12, Colbert_12, Brilliant_12, Triad_12, Plata_11, TooFast2Furius_13, Usavi_12, LeiMonet_12, Cosmolli16_11, Megamind20_12, KingVeVeVe_12, Lehmann_12
• Track 19 : HenryJackson_11, Jbug01_12, Fringe_12, JacAttac_12, Pinkman_11, Phamished_12, Andre_12, NiaNia_12, Phergie_11, Toni_11, Kiwot_11, Vivaldi_12, Simielle_11, Plmatters_12, Mesh1_12, Hocus_11, Nehme_11, Hartsy_12, Piglet_0011, CamL_12, Chuni_12, Daffy_12, Roscoe_13, Fang_12, DelRivs_11, ABU_12, Serpentine_0012, HighStump_11, Hamish_12, Struggle_11, ShadowBud_12, ProfessorX_12, PhenghisKhan_11, Vista_12, Sophia_11, Kikipoo_12, PhatLouie_12, ImtiyazSitla_11, Mutante_11, Keitherie_12, Serendipity_12, Numberten_12, Maskar_11, Riverton_12, Inchworm_12, CharlieGBrown_11, BatteryCK_11, Flake_12, Gwennie1_12, Haimas_12, Oline_11, Surely_12, Nicole21_12, Orfeu_11, Hetaeria_12, Phleuron_11, Slatt_12, Derpp_11, Nyala_11, Chipette_13, Valjean_12, Virapocalypse_12, Pipsqueak_12, Childish_11, Aonishiki_12, Soile_12, MichaelPhcott_11, HogWash_11, Morty_12, OSmaximus_12, Gophee_12, PhrankReynolds_11, AngelCake_12, PallasAthena_11, Magic8_12, Zonia_12, True_11, FleetyMac_12, Boehler_12, Taraxa_12, JangoPhett_12, DoesntMatter_12, Zaider_13, Durga_12, Sigman_12, MelsMeow_11, UAch1_12, Labeouficaum_11, Quisquiliae_12, Wallhey_11, Prickles_12, Craff_12, Kwadwo_11, Waterdiva_12, PhrodoBaggins_11, Chute_12, Kwksand96_11, Mag7_11, Podrick_12, Cannibal_12, Ashraf_11, Chaelin_11, Orion_12, Kailash_12, BoogieWoogie_12, Lulwa_12, SassyCat97_11, Charles1_12, PG1_12, Cobra_12, Megatron_12, QueenBeane_12, Telesworld_11, Salazzle_11, Omniscient_12, LeeLot_12, KingTut_11, DolOn_13, IsaacEli_12, ElvisPhasley_12, Lego3393_12, Kahve_11, Kimbrough_12, CampRoach_12, Anderson_12, Harvey_12, Coletti_12, Windsor_11, Tomlarah_12, TyrionL_11, Matalotodo_12, Spartan300_12, GeneCoco_12, Phareon_12, LemonSlice_12, SilverBell_12, Caspiboi_11, Squiggle_12, Hertubise_12, Fozzie_11, Jiminy_11, Zelda_12, EmpTee_12, Apizium_11, TomBombadil_12, Squid_12, SirBeauregard_11, Eugenia_12, Adriana_12, DuchessDung_11, Thora_12, LasagnaCat_12, Larson_13, Eremos_12, Katniss_12, Daka_12, Dice_11, Aleia_12, Trypo_12, Veritas_11, Skippy_12, Swiphy_12, Chah_12, Phunky_12, YouGoGlencoco_12, Nova1_11, ShiVal_12, Kloppinator_12, Nathan_12, PhatCats2014_12
• Track 20 : Vaishali24_11, Azuria_11, Septica_11
• Track 21 : Melc17_12, Weher20_12, Schueller_11
• Track 22 : Samaymay_12
• Track 23 : Imvubu_9
• Track 24 : Indlovu_12
• Track 25 : LilMcDreamy_13
• Track 26 : Zenteno07_17
• Track 27 : Hashim76_17
• Track 28 : LittleMinkey_18
• Track 29 : BirdsNest_17
• Track 30 : Boyle_15, Arbiter_15, Lephleur_15, Calamitous_15, Phantasmagoria_15, Rhinoforte_15, Faze9_15, Kaleb_15, Tres_15, Rosebush_15, Qyrzula_14, LilSmirk_15, Kolhan_15, West99_15, Opia_15, MasterPo_15, Bananafish_15, Coffee_15
• Track 31 : Kheth_15, Ares_15, Eaglehorse_15, ItsyBitsy1_15, FrenchFry_15, Blocker23_15, TA17A_15, LizLemon_15, Laurie_15, Vic9_00015, Tinciduntsolum_16,

Lars_15, Godines_15, Brownie5_15, PrinceCharming_15, Glass_15, Holeinone_15, Sabella_15, Allegro_15, Hedgerow_15
• Track 32 : Jackstina_13
• Track 33 : SynergyX_14, RagingRooster_14, Neos5_14, Corofin_14, Baloo_14, Chalmers_14, SwainyDoc_14, SlippinJimmy_14, RomaT_14, ChaChing_14, Glubnar_14, Casbah_13, Mulaychimus_14, OrangeOswald_14, Nozo_14, Akoma_14, LestyG_14, Deenasa_14, Devonte_14, Phaedrus_13
• Track 34 : GlenHope_15, Chentzyk_13, HarveySr_14, Ben11_13, Marlia_14, Briakila_14, Kronus_13, Halfpint_13, Philly_13, Rita1961_14, Mortcellus_13, Compostia_15, Tydolla_14, Obutu_14, MmasiCarm_14, Phayeta_14, Shenandoah_14
• Track 35 : Audrey_14, Abinghost_14, Athena_15, Daisy_14, Morty007_14, Marley1013_14, TinyTerror_14, Olivio_13, Gadjet_15
• Track 36 : Pipefish_14
• Track 37 : Bernardo_14, Heathcliff_14, Kamiyu_14, Phlyer_14
• Track 38 : Yinz_14
• Track 39 : Gervas_14
• Track 40 : Yahalom_14
• Track 41 : Chandler_14
• Track 42 : BobbyK_12, BrownCNA_13, Austelle_13, Zemanar_13, Mudslide_12, RawrgerThat_12, Heath_12, Hydro_12, JoyceMaria_12, Mithril_12, Lolalove_12, Prince_12, Hangman_12, Waleliano_12
• Track 43 : Xincheng_12, JaguarMi_13
• Track 44 : Hally898_11, Nanao_11, Epah_11, Lambano_11, ChrisnMich_11, Poster_11, GinPorsche_11, Antihero_11, Ahwei_11
• Track 45 : Nigel_10
• Track 46 : Fortunato_12
• Track 47 : AlanGrant_13, Vincenzo_13
• Track 48 : Apex_12, Frederick_12, Fanaw_12
• Track 49 : QueenPie_12
• Track 50 : Magpie_12
• Track 51 : Cooper_12
• Track 52 : VioletZ_12
• Track 53 : Renkei_11, LittleDigger_11
• Track 54 : Stinger_10
• Track 55 : JAMaL_12
• Track 56 : DigitDog_13
• Track 57 : KarasumaRum_14, StinkyVeggy_14
• Track 58 : Shenyu_13, Nangang_13
• Track 59 : Rich_13
• Track 60 : Donny_13, Rita130_13
• Track 61 : Nehemiah_12, Mysterious_13
• Track 62 : SirJeffery_13, Acadian_13, Reccee_13
• Track 63 : Reprobate_13, Phelemich_13
• Track 64 : Suigeneris_13
• Track 65 : Baee_13
• Track 66 : Serendipitous_13
• Track 67 : EastView9101_13
• Track 68 : 39HC_010, 40BC_010, Hosp_08
• Track 69 : Minnow_11
• Track 70 : ForDig_10
• Track 71 : Jolie1_010
• Track 72 : KayaCho_10

• Track 73 : Saguaro_14
• Track 74 : Thonko_13
• Track 75 : CRB2_15
• Track 76 : Knocker_17
• Track 77 : PenguinLover67_15
• Track 78 : Quesadilla_14
• Track 79 : Rinkes_17
• Track 80 : Funsized_17
• Track 81 : Xkcd426_14
• Track 82 : TP1604_13, Asis_13, BabyGotBac_13
• Track 83 : Mischief19_14
• Track 84 : Abt2graduatex2_13
• Track 85 : BayC_13, Maih_13, Salete_13
• Track 86 : YDN12_14
• Track 87 : RainyPolka_13
• Track 88 : Grumio_44
• Track 89 : Makar_45
• Track 90 : Purplicious_42, Jollymon_44, Sting_43, KingstonB_42, DonTron_44, ColdSoup_45, Amo99_45
• Track 91 : Stillion_43
• Track 92 : Clawz_44
• Track 93 : Soos_40
• Track 94 : Mutzi_21
• Track 95 : Bakery_20, Sixsevenium_20
• Track 96 : Halo3_20
• Track 97 : Savbucketdawg_19, Shinji_19, Jambalaya_19, JohnPork_19, Portcullis_19, TillyBobJoe_19
• Track 98 : ClamChowder_21, KimmyK_21, PinkCoffee_21, Barb_21, Fugax_21
• Track 99 : Sendy_20, Gezellig_19, Egi03_19, Wizard_19, Fireball_20
• Track 100 : Salvador_19, Evamon_19, Nubi_19, Togo_19, SmokingBunny_19
• Track 101 : SharkTale_19
• Track 102 : Twister6_21, Valary_22, Danyall_21, CherryCola_22, RogerDodger_22, VanDeWege_22, CoveyB_21
• Track 103 : Arri_22
• Track 104 : Phlop_19, PullumCavea_19
• Track 105 : YungMoney_21
• Track 106 : Clown_23
• Track 107 : Lennon_22, Bibwit_21, Ailee_20, Stultus_20, Sedona_22, Sitar_22
• Track 108 : Tycho_20, Gaea_20, Flatwoods_21, Bizzy_21, Kroos_21, Kwobi_22
• Track 109 : FuegoCuervo_23, Galadriel_22, Barsten_21, Kewpiedoll_21, McKinley_21, ChadMasterC_20, Vivi2_20, Fitzgerald_18, McCrothy_21
• Track 110 : RiverRaider_21
• Track 111 : Ashertheman_21, Tangerine_20, StorminNorm_20
• Track 112 : Love_22, Charming_18, BobBob_18, Fosterous_18, Shivanishola_20, Geodirt_19, Jabberwocky_18, Brawn1_18, Paries_21, Brandonk123_22, Kamashten_21, Sanjuju_18, MoontowerMania_19, Thing3_21, Tangent_18
• Track 113 : YorkOnyx_21
• Track 114 : Affeca_20, Angelicage_20
• Track 115 : Derg_16, Stichling_19, SchottB_19, LilHam_18
• Track 116 : Rofo_20
• Track 117 : Gustavo_20, Baumdotcom_20, Saronaya_20
• Track 118 : Ribeye_21
• Track 119 : Keitabear_22

• Track 120 : Baddon_20
• Track 121 : Nordenberg_15
• Track 122 : JKSyngboy_19
• Track 123 : Leonard_21, Ali17_19, Phinally_21
• Track 124 : Belphegor_18
• Track 125 : Hans_23
• Track 126 : Phauci_14
• Track 127 : MelBins_22
• Track 128 : Inspectinfecti_22
• Track 129 : EMoore_16
• Track 130 : Tiamoceli_21, Chickadee_20
• Track 131 : EdmundFerry_19, Dexdert_21, RoadKill_18
• Track 132 : Kwekel_20
• Track 133 : Twonlo_18
• Track 134 : GTE6_20
• Track 135 : Scioto_21, Natkenzie_21, Abblin_21, Sampson_21
• Track 136 : APunk_23
• Track 137 : Zipp_21, Delrey21_21, DoctorFroggo_21, Verity_21
• Track 138 : Tardus_22
• Track 139 : ViaConlectus_22
• Track 140 : Pumpkiney_23
• Track 141 : Zitch_23
• Track 142 : BigHunkinEater_24
• Track 143 : Lilbeanie_18
• Track 144 : Evaa_12
• Track 145 : Wooper_13, CaiB_13, Blackpen_13, MakoManhole_13, CloverMinnie_13, FelixTres_13, TraderJ_13, MossRose_13, AnarQue_13
• Track 146 : Shatter_11, Fresco_11, Axumite_11, Ligma_11
• Track 147 : Yago84_11, AnClar_11
• Track 148 : Sour_14
• Track 149 : Coco2012_11, Mariokart_11
• Track 150 : Sisko_11
• Track 151 : AksarBAT_11
• Track 152 : CharlottesWeb_11, JellyBelly_11
• Track 153 : Coldpizza_13
• Track 154 : BobRoss2024_10
• Track 155 : LittleMunchkin_12
• Track 156 : NHagos_11
• Track 157 : Yeshua_13
• Track 158 : BiggityBass_10
• Track 159 : LittleFortune_28
• Track 160 : Jefe_27, Savannah_26, Germa_28, Cranjis_28, Jollipop_27, Pulchra_28, Lucretia_27, PierreOrion_27, Shotgun_26, Ganandorf_26, Hermeonysus_26, BrazzalePHS_26, Busephilis_26, Yeti_27, Piperis_27, Honeyfin_28, Quhwah_30, PiperSansNom_27, BeagleBug_26, Selwyn23_28, PhedwardCullen_26, Antares_27, Scumberland_28, CrazyRich_26, Phorgeous_26, Onika_26
• Track 161 : Shrubaron_27, RobsFeet_28
• Track 162 : Ariadne_35, Smarties_35
• Track 163 : Paschalis_26, Glorp_28, Kowalski_26, Rockwell_26, Ramiel05_26
• Track 164 : ClearAsMud_29
• Track 165 : KaiHaiDragon_27, Phrancesco_27, EarickHC_27, Crisis_28
• Track 166 : Gina_28, Teamocil_28

• Track 167 : Zapato_26
• Track 168 : NoodlelyBoi_27
• Track 169 : Skugga_25
• Track 170 : Megan_21
• Track 171 : Jayden_28
• Track 172 : Fireman_27, Tyrumbra_25
• Track 173 : Nicole72_22
• Track 174 : SirFrank_26
• Track 175 : Merry_, Sunny_
• Track 176 : Metamorphoo_27
• Track 177 : Phinky_31
• Track 178 : Mentos_27, Hyperion_24, Mashley_23, Gazebo_24, Tissue_25
• Track 179 : Quammi_23, Zagie_25, DonaldDuck_24, Teehee_26, Squash_27, Lonelysoil_24, Wayne3_26, Rudy_23, Nike_25, Sillytadpoles_24, Phabia_25, Casend_26, Jehoshaphat_27, Viceroy_24, Rowlf_21, Llemily_24, Zhafia_27, Statler_26, Wheelie_24
• Track 180 : Wilca_24, BirdInFrench_24, Spiderpig_24
• Track 181 : Tempo_24, Romm_26, CandC_23, KillerQueen_25, Kelcole_23, Fregley_25, RobinRose_26
• Track 182 : BaconCheese_27, Mila11_27, MorillMayhem_25, BabyDotz_24
• Track 183 : Blab_23
• Track 184 : Judebell_27, FrankDeliGuy_22, ZestyBestie_23
• Track 185 : Grassboy_26, StrawberryJamm_27, Kyva_27, Namago_25, SallyK_26
• Track 186 : SlySloth_27
• Track 187 : RubyRalph_27, Fransoyer_27
• Track 188 : Pepe25_23
• Track 189 : WheelerS25_30
• Track 190 : Marcie_29
• Track 191 : LilCahh_24, EverythinBagel_24
• Track 192 : SadLad_29
• Track 193 : Altheas_27
• Track 194 : AluminumJesus_23
• Track 195 : Fizzles_25
• Track 196 : OneinaGillian_24
• Track 197 : Matzah_23, Cinna_22
• Track 198 : Cressida_24
• Track 199 : Kozie_23
• Track 200 : MementoMori_23
• Track 201 : Margaery_22
• Track 202 : Terij_23
• Track 203 : RomansRevenge_16, Boise_16
• Track 204 : Rasputia_56
• Track 205 : Dewdrop_60, Leaf_60
• Track 206 : Hendrix_57
• Track 207 : MisoSoup_18
• Track 208 : FuzzBuster_31
• Track 209 : Taptic_9
• Track 210 : Argie_10
• Track 211 : PR_09
• Track 212 : Jeon_9, GodPhather_10
• Track 213 : Megabear_9
• Track 214 : D12_09
• Track 215 : Cepens_9

• Track 216 : Kithara_25
• Track 217 : Pine5_14
• Track 218 : Sunfish_32
• Track 219 : TPA2_21
• Track 220 : phiAsp2_14
• Track 221 : Tonitrus_30
• Track 222 : TurkishDelight_17

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

The start number called the most often in the published annotations is 75, it was called in 297 of the 759 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_12, AbsoluteMadLad_11, Adriana_12, Aelin_11, Aleia_12, AltPhacts_12, Altwerkus_11, Anderson_12, Andre_12, AngelCake_12, Antonia_11, Aonishiki_12, Apizium_11, Ashraf_11, Azuria_11, Badfish_12, Banjo_11, Basato_13, BatteryCK_11, Beaglebox_11, Bishoperium_11, BlackStallion_12, BlacksBerry_11, BlueHusk_12, Bluephacebaby_11, Boehler_12, BoogieWoogie_12, Brilliant_12, Buckeye_12, Burr_11, CamL_12, CampRoach_12, Cannibal_12, Carthage_11, Caspiboi_11, Chaelin_11, Chah_12, Charles1_12, CharlieGBrown_11, CheetO_12, Cher_11, Childish_11, Chipette_13, Chorkpop_12, Chuni_12, Chunky_12, Chute_12, Cobra_12, Colbert_12, Coletti_12, Cornbread_11, Cornobble_11, Cosmolli16_11, Craff_12, Crownjwl_12, DaddyDaniels_12, Daffy_12, Daka_12, Dati_12, DelRivs_11, Derpp_11, Dice_11, Dingo_12, Dione_11, DirtJuice_12, Doddsville_12, DoesntMatter_12, DolOn_13, DonSanchon_11, DuchessDung_11, Duggie_11, Durga_12, ElvisPhasley_12, EmGer13_11, Emiris_12, EmpTee_12, Eremos_12, Etaye_12, Eugenia_12, Fang_12, Flake_12, FleetyMac_12, FluffyNinja_12, Fozzie_11, Frankicide_12, FremontTroll_11, Freya_11, FriarPreacher_12, Fringe_12, FugateOSU_11, Gareth_11, GeneCoco_12, Giraffe_12, Gophee_12, Grand2040_11, GreenChile_12, Gwennie1_12, Gwilliam_12, Gyarad_0012, HSavage_12, Haimas_12, Haleema_11, Hamish_12, Happabalu_12, Hartsy_12, Harvey_12, Hekos_11, Held_12, HenryJackson_11, Hertubise_12, Hetaeria_12, HighStump_11, Hocus_11, HogWash_11, Horchata_12, ImtiyazSitla_11, Inchworm_12, Inverness_12, Iridessa_12, Iridoclysis_12, IsaacEli_12, JDog_11, JacAttac_12, JakeO_11, JangoPhett_12, Jbug01_12, Jesabah_12, Jillium_11, Jiminy_11, Jiraiya_11, KLucky39_12, Kahve_11, Kailash_12, Karn_11, Katniss_12, Keitherie_12, Khan1_11, Kikipoo_12, Kimbrough_12, KingTut_11, KingVeVeVe_12, Kiwot_11, KlimbOn_12, Kloppinator_12, Kwadwo_11, Kwksand96_11, Labeouficaum_11, Larson_13, LasagnaCat_12, Lasso_12, LeeLot_12, Lego3393_12, Legolas_11, Lehmann_12, LeiMonet_12, LemonSlice_12, Longacauda_11, Lopsy_11, LostAndPhound_11, LuckyMarjie_11, Lulumae_11, Lulwa_12, Lumine_11, MRabcd_11, Mag7_11, Magic8_12, Mana_11, Manad_11, Maru_11, Maskar_11, Matalotodo_12, Mcshane_11, Mecca_11, Megamind20_12, Megatron_12, Melc17_12, MelsMeow_11, Mesh1_12, Mesmerelda_11, MichaelPhcott_11, Mikota_12, MiniBoss_12, MitKao_12, Morgushi_12, Morty_12, Mosaic_11, MrPhizzler_12, Mulan_11, Murdoc_12, Mutante_11, Nacho_0012, Nathan_12, Nehme_11, Newman_12, NiaNia_12, Nicole21_12, Nova1_11, Numberten_12, Nyala_11, OSmaximus_12, Olak_11, Oline_11, Olive_12, OliverWalter_12, Omniscient_12, OneBrain_12, Oosterbaan_12, Orfeu_11, Orion_12, Orwigg_11,

PG1_12, Pacifista_11, PallasAthena_11, Phamished_12, Phareon_12, PhatCats2014_12, PhatLouie_12, PhenghisKhan_11, Pherdinand_12, Phergie_11, Phipps_12, Phleuron_11, PhrankReynolds_11, PhrodoBaggins_11, Phunky_12, Piglet_0011, PinheadLarry_12, Pinkman_11, Pipsqueak_12, Placalicious_11, Plata_11, Plmatters_12, Podrick_12, Pops_12, Potter_11, Prickles_12, ProfessorX_12, Puhltonio_12, QueenBeane_12, Quisquiliae_12, RedMaple_11, RedRaider89_13, Ricotta_11, Riggan_12, Rimu_12, Riverton_12, Robyn_11, Roliet_12, Roscoe_13, Roy17_12, SDcharge11_12, Salazzle_11, SallyH_12, Samaymay_12, SassyCat97_11, Schadenfreude_11, Schueller_11, Scoot17C_12, Scrick_11, Selr12_12, Septica_11, Serendipity_12, Serpentine_0012, ShadowBud_12, Sheila_12, ShiVal_12, Sigman_12, SilverBell_12, Simielle_11, SirBeauregard_11, Skippy_12, Slatt_12, Soile_12, Solosis_11, Sophia_11, Soto_12, Spartan300_12, Squid_12, Squiggle_12, Struggle_11, Suffolk_12, Surely_12, Swiphy_12, Swish_12, TallGrassMM_12, Taraxa_12, Telesworld_11, Thora_12, ThreeOh3D2_12, Thunderbird_11, Timmi_11, TomBombadil_12, Tomlarah_12, Toni_11, TooFast2Furius_13, Tooj_12, Triad_12, True_11, Trypo_12, TyrionL_11, UAch1_12, UncleHowie_12, Usavi_12, Vaishali24_11, Valjean_12, Vaticameos_12, Vectra_11, Veritas_11, Virapocalypse_12, Virgeve_11, Vista_12, Vivaldi_12, Vortex_12, Wallhey_11, Waterdiva_12, Weher20_12, Windsor_11, Xavier_11, Yoshand_12, YouGoGlencoco_12, Zaider_13, Zelda_12, Zonia_12,

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

Genes that do not have the "Most Annotated" start:
• 39HC_010, 40BC_010, APunk_23, AWGoat_19, Abblin_21, Abinghost_14, Abt2graduatex2_13, Acadian_13, Affeca_20, Ahwei_11, Ailee_20, Akoma_14, AksarBAT_11, AlanGrant_13, Ali17_19, Allegro_15, Altheas_27, AluminumJesus_23, Amo99_45, AnClar_11, AnarQue_13, Angelicage_20, Antares_27, Antihero_11, Apex_12, Arbiter_15, Ares_15, Argie_10, Ariadne_35, Arri_22, Ashertheman_21, Asis_13, Athena_15, Audrey_14, Austelle_13, Axumite_11, BabyDotz_24, BabyGotBac_13, BaconCheese_27, Baddon_20, Baee_13, Bakery_20, Baloo_14, Bananafish_15, Barb_21, Barsten_21, Baumdotcom_20, BayC_13, BeagleBug_26, Beagle_27, Belphegor_18, Ben11_13, Bernardo_14, BetaFish_26, Bibwit_21, BigHunkinEater_24, BiggityBass_10, BirdInFrench_24, BirdsNest_17, Bizzy_21, Blab_23, Blackpen_13, Blocker23_15, BobBob_18, BobRoss2024_10, BobbyK_12, Boise_16, Boyle_15, Brandonk123_22, Brawn1_18, BrazzalePHS_26, Briakila_14, BrownCNA_13, Brownie5_15, BruhMoment_21, Busephilis_26, CRB2_15, CaiB_13, Calamitous_15, CandC_23, Casbah_13, Casend_26, Caterpie_9, Causa_19, Cepens_9, ChaChing_14, ChadMasterC_20, Chalmers_14, Chandler_14, CharlottesWeb_11, Charming_18, Chentzyk_13, CherryCola_22, Chickadee_20, ChrisnMich_11, Cinna_22, ClamChowder_21, Clawz_44, ClearAsMud_29, CloverMinnie_13, Clown_23, Coco2012_11, Coffee_15, ColdSoup_45, Coldpizza_13, Compostia_15, Cooper_12, Corofin_14, CoveyB_21, Cranjis_28, CrazyRich_26, Cressida_24, Crisis_28, D12_09, Daisy_14, Danyall_21, Deenasa_14, Delrey21_21, Derg_16, Devonte_14, Dewdrop_60, Dexdert_21, DigitDog_13, DoctorFroggo_21, DogYard_26, DonTron_44, DonaldDuck_24, Donny_13, Dori_10, EMoore_16, Eaglehorse_15, EarickHC_27, EastView9101_13, EdmundFerry_19, Egi03_19, Epah_11, Evaa_12, Evamon_19, EverythinBagel_24, Fanaw_12, Faze9_15, FelixTres_13, Fireball_20, Fireman_27, Fitzgerald_18, Fizzles_25, Flatwoods_21, ForDig_10, Forrestell_23, Fortunato_12, Fosterous_18, FrankDeliGuy_22, Fransoyer_27, Frederick_12, Fregley_25, FrenchFry_15, Fresco_11, FuegoCuervo_23, Fugax_21, Funsized_17, FuzzBuster_31, GTE6_20, Gadjet_15,

Gaea_20, Galadriel_22, Ganandorf_26, Gazebo_24, Geodirt_19, Germa_28, Gervas_14, Gezellig_19, GinPorsche_11, Gina_28, Glass_15, GlenHope_15, Glorp_28, Glubnar_14, GodPhather_10, Godines_15, Grassboy_26, Grumio_44, Gustavo_20, Halfpint_13, Hally898_11, Halo3_20, Hangman_12, Hans_23, HarveySr_14, Hashim76_17, Heath_12, Heathcliff_14, Hedgerow_15, Hendrix_57, Hermeonysus_26, Hive_26, Holeinone_15, Honeyfin_28, Hosp_08, Hydro_12, Hyperion_24, Imvubu_9, Indlovu_12, Inspectinfecti_22, ItsyBitsy1_15, JAMaL_12, JKSyngboy_19, Jabberwocky_18, Jackstina_13, JaguarMi_13, Jambalaya_19, Jayden_28, Jefe_27, Jehoshaphat_27, JellyBelly_11, Jeon_9, JohnLord_10, JohnPork_19, Jolie1_010, Jollipop_27, Jollymon_44, JoyceMaria_12, Judebell_27, KaiHaiDragon_27, Kaleb_15, Kamashten_21, Kamiyu_14, KarasumaRum_14, KayaCho_10, Keitabear_22, Kelcole_23, Kewpiedoll_21, Kheth_15, KillerQueen_25, KimmyK_21, KingstonB_42, Kithara_25, Knocker_17, Kolhan_15, Kowalski_26, Kozie_23, Kronus_13, Kroos_21, Kubulix_27, Kwekel_20, Kwobi_22, Kyva_27, Lambano_11, Lars_15, Laurie_15, Leaf_60, Lennon_22, Leonard_21, Lephleur_15, LestyG_14, Ligma_11, LilCahh_24, LilHam_18, LilMcDreamy_13, LilSmirk_15, Lilbeanie_18, LittleDigger_11, LittleFortune_28, LittleMinkey_18, LittleMunchkin_12, LizLemon_15, Llemily_24, Lolalove_12, Lonelysoil_24, Love_22, Lucretia_27, Magpie_12, Maih_13, Makar_45, MakoManhole_13, Mao1_9, Marcie_29, Margaery_22, Mariokart_11, Marley1013_14, Marlia_14, Mashley_23, Mask_10, MasterPo_15, Matzah_23, McCrothy_21, McKinley_21, Megabear_9, Megan_21, MelBins_22, MellowYellow_23, MementoMori_23, Mentos_27, Merry_, Metamorphoo_27, Mila11_27, Minnow_11, Mischief19_14, MisoSoup_18, Mithril_12, MmasiCarm_14, MoontowerMania_19, MorillMayhem_25, Mortcellus_13, Morty007_14, MossRose_13, Mudslide_12, Mulaychimus_14, Mutzi_21, Mysterious_13, NHagos_11, Namago_25, Nanao_11, Nangang_13, Natkenzie_21, Nehemiah_12, Neos5_14, Nicole72_22, Nigel_10, Nikan_22, Nike_25, NoodlelyBoi_27, Nordenberg_15, Nozo_14, Nubi_19, NyleyClemson_21, Obutu_14, Odyssey395_28, Olivio_13, Ollypop_24, OneinaGillian_24, Onika_26, Opia_15, OrangeOswald_14, PR_09, Paries_21, Paschalis_26, PenguinLover67_15, Pepe25_23, Phabia_25, Phaedrus_13, Phantasmagoria_15, Phauci_14, Phayeta_14, PhedwardCullen_26, Phelemich_13, Philly_13, Phinally_21, Phinky_31, Phlop_19, Phlyer_14, Phorgeous_26, Phrancesco_27, PhuzzTulsa_24, PierreOrion_27, Pine5_14, PinkCoffee_21, Pipefish_14, PiperSansNom_27, Piperis_27, Pointis_26, Popstraw_24, Portcullis_19, Poster_11, PrinceCharming_15, Prince_12, Pulchra_28, PullumCavea_19, Pumpkiney_23, Pureglobe5_28, Purplicious_42, Quammi_23, QueenPie_12, Quesadilla_14, Quhwah_30, Qyrzula_14, RIPWilbur_24, RagingRooster_14, RainyPolka_13, Ramiel05_26, Ranunculus_20, Rasputia_56, RawrgerThat_12, RazzB_22, Reccee_13, Ren19_22, Renkei_11, Reprobate_13, Rhinoforte_15, Ribeye_21, Rich_13, Rinkes_17, Rita130_13, Rita1961_14, RiverRaider_21, Rizwana_19, RoadKill_18, RobinRose_26, RobsFeet_28, Rockwell_26, Rofo_20, RogerDodger_22, RomaT_14, RomansRevenge_16, Romm_26, Rosebush_15, Rowlf_21, RubyRalph_27, Rudy_23, Sabella_15, SadLad_29, Saguaro_14, Salete_13, SallyK_26, Salvador_19, Sampson_21, Sanjuju_18, Saronaya_20, Savannah_26, Savbucketdawg_19, SchottB_19, Scioto_21, Scumberland_28, Sedona_22, Sejanus_10, Selwyn23_28, Sendy_20, Serendipitous_13, SharkTale_19, Shatter_11, Shenandoah_14, Shenyu_13, Shinji_19, Shivanishola_20, Shotgun_26, Shrubaron_27, SilentRX_21, Sillytadpoles_24, SirFrank_26, SirJeffery_13, Sisko_11, Sitar_22, Sixsevenium_20, Skugga_25, SlippinJimmy_14, SlySloth_27, Smarties_35, SmokingBunny_19, Soos_40, Sour_14, Spiderpig_24, Squash_27, StAugustine_17, Statler_26, Stichling_19, Stillion_43, Sting_43, Stinger_10, StinkyVeggy_14, StorminNorm_20, StrawberryJamm_27, Stultus_20, Suigeneris_13, Sunfish_32, Sunny_,

SwainyDoc_14, SynergyX_14, TA17A_15, TP1604_13, TPA2_21, Tangent_18, Tangerine_20, Tank_20, Taptic_9, Tardus_22, Teamocil_28, Teehee_26, Tempo_24, Terij_23, Thing3_21, Thonko_13, Tiamoceli_21, TillyBobJoe_19, Tinciduntsolum_16, TinyTerror_14, Tissue_25, Togo_19, Tonitrus_30, TraderJ_13, Tres_15, TurkishDelight_17, Twister6_21, Twonlo_18, Tycho_20, Tydolla_14, Tyrumbra_25, Valary_22, VanDeWege_22, Verity_21, ViaConlectus_22, Vic9_00015, Viceroy_24, Vincenzo_13, VioletZ_12, Vivi2_20, Waleliano_12, Wayne3_26, West99_15, WheelerS25_30, Wheelie_24, Wilca_24, Wilde_20, Wizard_19, Wooper_13, Xincheng_12, Xkcd426_14, YDN12_14, Yago84_11, Yahalom_14, Yeshua_13, Yeti_27, Yinz_14, YorkOnyx_21, YungMoney_21, Zagie_25, Zapato_26, Zemanar_13, Zenteno07_17, ZestyBestie_23, Zhafia_27, Zipp_21, Zitch_23, phiAsp2_14,

Summary by start number:

Start 12:
• Found in 1 of 855 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Knocker_17 (B9),

Start 13:
• Found in 1 of 855 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_17 (B13),

Start 19:
• Found in 7 of 855 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 71.4% of time when present
• Phage (with cluster) where this start called: 39HC_010 (B6), 40BC_010 (B6), Hosp_08 (B6), Jolie1_010 (B6), KayaCho_10 (B6),

Start 25:
• Found in 2 of 855 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Quesadilla_14 (B9),

Start 28:
• Found in 3 of 855 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Baee_13 (B5),

Start 30:
• Found in 1 of 855 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FuzzBuster_31 (GM),

Start 33:

• Found in 6 of 855 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Dori_10 (AD),

Start 34:
• Found in 7 of 855 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 14.3% of time when present
• Phage (with cluster) where this start called: ForDig_10 (B6),

Start 39:
• Found in 13 of 855 (1.5%) of genes in pham
• Manual Annotations of this start: 3 of 759
• Called 38.5% of time when present
• Phage (with cluster) where this start called: Acadian_13 (B5), DigitDog_13 (B5), Reccee_13 (B5), Serendipitous_13 (B5), SirJeffery_13 (B5),

Start 45:
• Found in 56 of 855 (6.5%) of genes in pham
• Manual Annotations of this start: 37 of 759
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Ahwei_11 (B4), AlanGrant_13 (B4), Antihero_11 (B4), Apex_12 (B4), Austelle_13 (B4), BobbyK_12 (B4), BrownCNA_13 (B4), CRB2_15 (B9), ChrisnMich_11 (B4), Cooper_12 (B4), Epah_11 (B4), Fanaw_12 (B4), Fortunato_12 (B4), Frederick_12 (B4), Funsized_17 (B9), GinPorsche_11 (B4), Hally898_11 (B4), Hangman_12 (B4), Heath_12 (B4), Hydro_12 (B4), Imvubu_9 (B10), Indlovu_12 (B11), JAMaL_12 (B4), JaguarMi_13 (B4), JoyceMaria_12 (B4), Lambano_11 (B4), LilMcDreamy_13 (B12), LittleDigger_11 (B4), Lolalove_12 (B4), Magpie_12 (B4), Minnow_11 (B6), Mithril_12 (B4), Mudslide_12 (B4), Nanao_11 (B4), Nigel_10 (B4), PenguinLover67_15 (B9), Poster_11 (B4), Prince_12 (B4), QueenPie_12 (B4), RawrgerThat_12 (B4), Renkei_11 (B4), Rinkes_17 (B9), Saguaro_14 (B7), Stinger_10 (B4), Vincenzo_13 (B4), VioletZ_12 (B4), Waleliano_12 (B4), Xincheng_12 (B4), Zemanar_13 (B4),

Start 47:
• Found in 149 of 855 (17.4%) of genes in pham
• Manual Annotations of this start: 125 of 759
• Called 95.3% of time when present
• Phage (with cluster) where this start called: APunk_23 (DE4), Abblin_21 (DE4), Affeca_20 (DE1), Ailee_20 (DE1), Ali17_19 (DE2), Angelicage_20 (DE1), Arri_22 (DC1), Ashertheman_21 (DE1), Baddon_20 (DE1), Bakery_20 (DC1), Barb_21 (DC1), Barsten_21 (DE1), Baumdotcom_20 (DE1), Belphegor_18 (DE2), Bibwit_21 (DE1), BigHunkinEater_24 (DE4), Bizzy_21 (DE1), BobBob_18 (DE1), Brandonk123_22 (DE1), Brawn1_18 (DE1), ChadMasterC_20 (DE1), Charming_18 (DE1), CherryCola_22 (DC1), Chickadee_20 (DE3), ClamChowder_21 (DC1), Clown_23 (DC2), CoveyB_21 (DC1), Danyall_21 (DC1), Delrey21_21 (DE4), Derg_16 (DE1), Dexdert_21 (DE3), DoctorFroggo_21 (DE4), Donny_13 (B5), EMoore_16 (DE2), EastView9101_13 (B5), EdmundFerry_19 (DE3), Egi03_19 (DC1), Evamon_19 (DC1), Fireball_20 (DC1), Fitzgerald_18 (DE1), Flatwoods_21 (DE1), Fosterous_18 (DE1), FuegoCuervo_23 (DE1), Fugax_21 (DC1), GTE6_20 (DE3), Gaea_20 (DE1), Galadriel_22 (DE1), Geodirt_19 (DE1), Gezellig_19 (DC1), Gustavo_20 (DE1), Halo3_20 (DC1), Hans_23 (DE2), Hashim76_17 (B13),

Inspectinfecti_22 (DE2), JKSyngboy_19 (DE1), Jabberwocky_18 (DE1), Jambalaya_19 (DC1), JohnPork_19 (DC1), Kamashten_21 (DE1), KarasumaRum_14 (B5), Keitabear_22 (DE1), Kewpiedoll_21 (DE1), KimmyK_21 (DC1), Kroos_21 (DE1), Kwekel_20 (DE3), Kwobi_22 (DE1), Lennon_22 (DE1), Leonard_21 (DE2), LilHam_18 (DE1), Lilbeanie_18 (DE5), LittleMinkey_18 (B13), Love_22 (DE1), McCrothy_21 (DE1), McKinley_21 (DE1), MelBins_22 (DE2), MoontowerMania_19 (DE1), Mutzi_21 (DC1), Mysterious_13 (B5), Nangang_13 (B5), Natkenzie_21 (DE4), Nehemiah_12 (B5), Nordenberg_15 (DE1), Nubi_19 (DC1), Paries_21 (DE1), Phauci_14 (DE2), Phelemich_13 (B5), Phinally_21 (DE2), Phlop_19 (DC1), PinkCoffee_21 (DC1), Portcullis_19 (DC1), PullumCavea_19 (DC1), Pumpkiney_23 (DE4), Reprobate_13 (B5), Ribeye_21 (DE1), Rich_13 (B5), Rita130_13 (B5), RiverRaider_21 (DE1), RoadKill_18 (DE3), Rofo_20 (DE1), RogerDodger_22 (DC1), Salvador_19 (DC1), Sampson_21 (DE4), Sanjuju_18 (DE1), Saronaya_20 (DE1), Savbucketdawg_19 (DC1), SchottB_19 (DE1), Scioto_21 (DE4), Sedona_22 (DE1), Sendy_20 (DC1), SharkTale_19 (DC1), Shenyu_13 (B5), Shinji_19 (DC1), Shivanishola_20 (DE1), Sitar_22 (DE1), Sixsevenium_20 (DC1), SmokingBunny_19 (DC1), Stichling_19 (DE1), StinkyVeggy_14 (B5), StorminNorm_20 (DE1), Stultus_20 (DE1), Suigeneris_13 (B5), Tangent_18 (DE1), Tangerine_20 (DE1), Tardus_22 (DE4), Thing3_21 (DE1), Tiamoceli_21 (DE3), TillyBobJoe_19 (DC1), Togo_19 (DC1), Twister6_21 (DC1), Twonlo_18 (DE3), Tycho_20 (DE1), Valary_22 (DC1), VanDeWege_22 (DC1), Verity_21 (DE4), ViaConlectus_22 (DE4), Vivi2_20 (DE1), Wizard_19 (DC1), YorkOnyx_21 (DE1), YungMoney_21 (DC1), Zenteno07_17 (B13), Zipp_21 (DE4), Zitch_23 (DE4),

Start 48:
• Found in 2 of 855 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Merry_ (EC), Sunny_ (EC),

Start 55:
• Found in 12 of 855 (1.4%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Grumio_44 (CP),

Start 57:
• Found in 12 of 855 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 759
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Amo99_45 (CP), Clawz_44 (CP), ColdSoup_45 (CP), DonTron_44 (CP), Jollymon_44 (CP), KingstonB_42 (CP), Makar_45 (CP), Purplicious_42 (CP), Soos_40 (CP), Stillion_43 (CP), Sting_43 (CP),

Start 58:
• Found in 1 of 855 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_30 (singleton),

Start 59:
• Found in 1 of 855 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 759

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kithara_25 (singleton),

Start 61:
• Found in 5 of 855 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 759
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Dewdrop_60 (GC), Hendrix_57 (GC), Leaf_60 (GC), Rasputia_56 (GC),

Start 66:
• Found in 64 of 855 (7.5%) of genes in pham
• Manual Annotations of this start: 55 of 759
• Called 95.3% of time when present
• Phage (with cluster) where this start called: Antares_27 (EC), Ariadne_35 (EC), BeagleBug_26 (EC), BrazzalePHS_26 (EC), Busephilis_26 (EC), Cinna_22 (EI), ClearAsMud_29 (EC), Cranjis_28 (EC), CrazyRich_26 (EC), Cressida_24 (EI), Crisis_28 (EC), EarickHC_27 (EC), Fireman_27 (EC), Ganandorf_26 (EC), Germa_28 (EC), Gina_28 (EC), Glorp_28 (EC), Hermeonysus_26 (EC), Honeyfin_28 (EC), Jayden_28 (EC), Jefe_27 (EC), Jollipop_27 (EC), KaiHaiDragon_27 (EC), Kowalski_26 (EC), Kozie_23 (EI), LittleFortune_28 (EC), Lucretia_27 (EC), Margaery_22 (EI), Matzah_23 (EI), Megan_21 (EC), MementoMori_23 (EI), Metamorphoo_27 (EC), MisoSoup_18 (GM), Nicole72_22 (EC), NoodlelyBoi_27 (EC), Onika_26 (EC), Paschalis_26 (EC), PhedwardCullen_26 (EC), Phorgeous_26 (EC), Phrancesco_27 (EC), PierreOrion_27 (EC), PiperSansNom_27 (EC), Piperis_27 (EC), Pulchra_28 (EC), Quhwah_30 (EC), Ramiel05_26 (EC), RobsFeet_28 (EC), Rockwell_26 (EC), Savannah_26 (EC), Scumberland_28 (EC), Selwyn23_28 (EC), Shotgun_26 (EC), Shrubaron_27 (EC), SirFrank_26 (EC), Skugga_25 (EC), Smarties_35 (EC), Teamocil_28 (EC), Terij_23 (EI), Tyrumbra_25 (EC), Yeti_27 (EC), Zapato_26 (EC),

Start 68:
• Found in 30 of 855 (3.5%) of genes in pham
• Manual Annotations of this start: 23 of 759
• Called 96.7% of time when present
• Phage (with cluster) where this start called: AksarBAT_11 (DR), AnClar_11 (DR), AnarQue_13 (DR), Axumite_11 (DR), BiggityBass_10 (DR), Blackpen_13 (DR), BobRoss2024_10 (DR), CaiB_13 (DR), CharlottesWeb_11 (DR), CloverMinnie_13 (DR), Coco2012_11 (DR), Coldpizza_13 (DR), Evaa_12 (DR), FelixTres_13 (DR), Fresco_11 (DR), JellyBelly_11 (DR), Ligma_11 (DR), LittleMunchkin_12 (DR), MakoManhole_13 (DR), Mariokart_11 (DR), MossRose_13 (DR), NHagos_11 (DR), Shatter_11 (DR), Sisko_11 (DR), Sour_14 (DR), TraderJ_13 (DR), Wooper_13 (DR), Yago84_11 (DR), Yeshua_13 (DR),

Start 69:
• Found in 25 of 855 (2.9%) of genes in pham
• Manual Annotations of this start: 6 of 759
• Called 24.0% of time when present
• Phage (with cluster) where this start called: Bernardo_14 (B3), Chandler_14 (B3), Heathcliff_14 (B3), Kamiyu_14 (B3), Phlyer_14 (B3), Pipefish_14 (B3),

Start 70:
• Found in 2 of 855 (0.2%) of genes in pham

• Manual Annotations of this start: 2 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Causa_19 (AI), StAugustine_17 (AI),

Start 73:
• Found in 42 of 855 (4.9%) of genes in pham
• Manual Annotations of this start: 38 of 759
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Allegro_15 (B2), Arbiter_15 (B2), Ares_15 (B2), Bananafish_15 (B2), Blocker23_15 (B2), Boyle_15 (B2), Brownie5_15 (B2), Calamitous_15 (B2), Coffee_15 (B2), Eaglehorse_15 (B2), Faze9_15 (B2), FrenchFry_15 (B2), Glass_15 (B2), Godines_15 (B2), Hedgerow_15 (B2), Holeinone_15 (B2), ItsyBitsy1_15 (B2), Kaleb_15 (B2), Kheth_15 (B2), Kolhan_15 (B2), Lars_15 (B2), Laurie_15 (B2), Lephleur_15 (B2), LilSmirk_15 (B2), LizLemon_15 (B2), MasterPo_15 (B2), Opia_15 (B2), Phantasmagoria_15 (B2), PrinceCharming_15 (B2), Qyrzula_14 (B2), Rhinoforte_15 (B2), Rosebush_15 (B2), Sabella_15 (B2), TA17A_15 (B2), Thonko_13 (B8), Tinciduntsolum_16 (B2), Tres_15 (B2), Vic9_00015 (B2), West99_15 (B2),

Start 75:
• Found in 323 of 855 (37.8%) of genes in pham
• Manual Annotations of this start: 297 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ABU_12 (B1), AbsoluteMadLad_11 (B1), Adriana_12 (B1), Aelin_11 (B1), Aleia_12 (B1), AltPhacts_12 (B1), Altwerkus_11 (B1), Anderson_12 (B1), Andre_12 (B1), AngelCake_12 (B1), Antonia_11 (B1), Aonishiki_12 (B1), Apizium_11 (B1), Ashraf_11 (B1), Azuria_11 (B1), Badfish_12 (B1), Banjo_11 (B1), Basato_13 (B1), BatteryCK_11 (B1), Beaglebox_11 (B1), Bishoperium_11 (B1), BlackStallion_12 (B1), BlacksBerry_11 (B1), BlueHusk_12 (B1), Bluephacebaby_11 (B1), Boehler_12 (B1), BoogieWoogie_12 (B1), Brilliant_12 (B1), Buckeye_12 (B1), Burr_11 (B1), CamL_12 (B1), CampRoach_12 (B1), Cannibal_12 (B1), Carthage_11 (B1), Caspiboi_11 (B1), Chaelin_11 (B1), Chah_12 (B1), Charles1_12 (B1), CharlieGBrown_11 (B1), CheetO_12 (B1), Cher_11 (B1), Childish_11 (B1), Chipette_13 (B1), Chorkpop_12 (B1), Chuni_12 (B1), Chunky_12 (B1), Chute_12 (B1), Cobra_12 (B1), Colbert_12 (B1), Coletti_12 (B1), Cornbread_11 (B1), Cornobble_11 (B1), Cosmolli16_11 (B1), Craff_12 (B1), Crownjwl_12 (B1), DaddyDaniels_12 (B1), Daffy_12 (B1), Daka_12 (B1), Dati_12 (B1), DelRivs_11 (B1), Derpp_11 (B1), Dice_11 (B1), Dingo_12 (B1), Dione_11 (B1), DirtJuice_12 (B1), Doddsville_12 (B1), DoesntMatter_12 (B1), DolOn_13 (B1), DonSanchon_11 (B1), DuchessDung_11 (B1), Duggie_11 (B1), Durga_12 (B1), ElvisPhasley_12 (B1), EmGer13_11 (B1), Emiris_12 (B1), EmpTee_12 (B1), Eremos_12 (B1), Etaye_12 (B1), Eugenia_12 (B1), Fang_12 (B1), Flake_12 (B1), FleetyMac_12 (B1), FluffyNinja_12 (B1), Fozzie_11 (B1), Frankicide_12 (B1), FremontTroll_11 (B1), Freya_11 (B1), FriarPreacher_12 (B1), Fringe_12 (B1), FugateOSU_11 (B1), Gareth_11 (B1), GeneCoco_12 (B1), Giraffe_12 (B1), Gophee_12 (B1), Grand2040_11 (B1), GreenChile_12 (B1), Gwennie1_12 (B1), Gwilliam_12 (B1), Gyarad_0012 (B1), HSavage_12 (B1), Haimas_12 (B1), Haleema_11 (B1), Hamish_12 (B1), Happabalu_12 (B1), Hartsy_12 (B1), Harvey_12 (B1), Hekos_11 (B1), Held_12 (B1), HenryJackson_11 (B1), Hertubise_12 (B1), Hetaeria_12 (B1), HighStump_11 (B1), Hocus_11 (B1), HogWash_11 (B1), Horchata_12 (B1), ImtiyazSitla_11 (B1), Inchworm_12 (B1), Inverness_12 (B1), Iridessa_12 (B1), Iridoclysis_12 (B1), IsaacEli_12 (B1), JDog_11 (B1), JacAttac_12 (B1), JakeO_11 (B1), JangoPhett_12 (B1), Jbug01_12 (B1), Jesabah_12 (B1), Jillium_11 (B1),

Jiminy_11 (B1), Jiraiya_11 (B1), KLucky39_12 (B1), Kahve_11 (B1), Kailash_12 (B1), Karn_11 (B1), Katniss_12 (B1), Keitherie_12 (B1), Khan1_11 (B1), Kikipoo_12 (B1), Kimbrough_12 (B1), KingTut_11 (B1), KingVeVeVe_12 (B1), Kiwot_11 (B1), KlimbOn_12 (B1), Kloppinator_12 (B1), Kwadwo_11 (B1), Kwksand96_11 (B1), Labeouficaum_11 (B1), Larson_13 (B1), LasagnaCat_12 (B1), Lasso_12 (B1), LeeLot_12 (B1), Lego3393_12 (B1), Legolas_11 (B1), Lehmann_12 (B1), LeiMonet_12 (B1), LemonSlice_12 (B1), Longacauda_11 (B1), Lopsy_11 (B1), LostAndPhound_11 (B1), LuckyMarjie_11 (B1), Lulumae_11 (B1), Lulwa_12 (B1), Lumine_11 (B1), MRabcd_11 (B1), Mag7_11 (B1), Magic8_12 (B1), Mana_11 (B1), Manad_11 (B1), Maru_11 (B1), Maskar_11 (B1), Matalotodo_12 (B1), Mcshane_11 (B1), Mecca_11 (B1), Megamind20_12 (B1), Megatron_12 (B1), Melc17_12 (B1), MelsMeow_11 (B1), Mesh1_12 (B1), Mesmerelda_11 (B1), MichaelPhcott_11 (B1), Mikota_12 (B1), MiniBoss_12 (B1), MitKao_12 (B1), Morgushi_12 (B1), Morty_12 (B1), Mosaic_11 (B1), MrPhizzler_12 (B1), Mulan_11 (B1), Murdoc_12 (B1), Mutante_11 (B1), Nacho_0012 (B1), Nathan_12 (B1), Nehme_11 (B1), Newman_12 (B1), NiaNia_12 (B1), Nicole21_12 (B1), Nova1_11 (B1), Numberten_12 (B1), Nyala_11 (B1), OSmaximus_12 (B1), Olak_11 (B1), Oline_11 (B1), Olive_12 (B1), OliverWalter_12 (B1), Omniscient_12 (B1), OneBrain_12 (B1), Oosterbaan_12 (B1), Orfeu_11 (B1), Orion_12 (B1), Orwigg_11 (B1), PG1_12 (B1), Pacifista_11 (B1), PallasAthena_11 (B1), Phamished_12 (B1), Phareon_12 (B1), PhatCats2014_12 (B1), PhatLouie_12 (B1), PhenghisKhan_11 (B1), Pherdinand_12 (B1), Phergie_11 (B1), Phipps_12 (B1), Phleuron_11 (B1), PhrankReynolds_11 (B1), PhrodoBaggins_11 (B1), Phunky_12 (B1), Piglet_0011 (B1), PinheadLarry_12 (B1), Pinkman_11 (B1), Pipsqueak_12 (B1), Placalicious_11 (B1), Plata_11 (B1), Plmatters_12 (B1), Podrick_12 (B1), Pops_12 (B1), Potter_11 (B1), Prickles_12 (B1), ProfessorX_12 (B1), Puhltonio_12 (B1), QueenBeane_12 (B1), Quisquiliae_12 (B1), RedMaple_11 (B1), RedRaider89_13 (B1), Ricotta_11 (B1), Riggan_12 (B1), Rimu_12 (B1), Riverton_12 (B1), Robyn_11 (B1), Roliet_12 (B1), Roscoe_13 (B1), Roy17_12 (B1), SDcharge11_12 (B1), Salazzle_11 (B1), SallyH_12 (B1), Samaymay_12 (B1), SassyCat97_11 (B1), Schadenfreude_11 (B1), Schueller_11 (B1), Scoot17C_12 (B1), Scrick_11 (B1), Selr12_12 (B1), Septica_11 (B1), Serendipity_12 (B1), Serpentine_0012 (B1), ShadowBud_12 (B1), Sheila_12 (B1), ShiVal_12 (B1), Sigman_12 (B1), SilverBell_12 (B1), Simielle_11 (B1), SirBeauregard_11 (B1), Skippy_12 (B1), Slatt_12 (B1), Soile_12 (B1), Solosis_11 (B1), Sophia_11 (B1), Soto_12 (B1), Spartan300_12 (B1), Squid_12 (B1), Squiggle_12 (B1), Struggle_11 (B1), Suffolk_12 (B1), Surely_12 (B1), Swiphy_12 (B1), Swish_12 (B1), TallGrassMM_12 (B1), Taraxa_12 (B1), Telesworld_11 (B1), Thora_12 (B1), ThreeOh3D2_12 (B1), Thunderbird_11 (B1), Timmi_11 (B1), TomBombadil_12 (B1), Tomlarah_12 (B1), Toni_11 (B1), TooFast2Furius_13 (B1), Tooj_12 (B1), Triad_12 (B1), True_11 (B1), Trypo_12 (B1), TyrionL_11 (B1), UAch1_12 (B1), UncleHowie_12 (B1), Usavi_12 (B1), Vaishali24_11 (B1), Valjean_12 (B1), Vaticameos_12 (B1), Vectra_11 (B1), Veritas_11 (B1), Virapocalypse_12 (B1), Virgeve_11 (B1), Vista_12 (B1), Vivaldi_12 (B1), Vortex_12 (B1), Wallhey_11 (B1), Waterdiva_12 (B1), Weher20_12 (B1), Windsor_11 (B1), Xavier_11 (B1), Yoshand_12 (B1), YouGoGlencoco_12 (B1), Zaider_13 (B1), Zelda_12 (B1), Zonia_12 (B1),

Start 77:
• Found in 2 of 855 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boise_16 (FT), RomansRevenge_16 (FT),

Start 78:
• Found in 69 of 855 (8.1%) of genes in pham
• Manual Annotations of this start: 57 of 759
• Called 89.9% of time when present
• Phage (with cluster) where this start called: Abinghost_14 (B3), Akoma_14 (B3), Argie_10 (W), Athena_15 (B3), Audrey_14 (B3), Baloo_14 (B3), Ben11_13 (B3), Briakila_14 (B3), Casbah_13 (B3), Caterpie_9 (AD), Cepens_9 (W), ChaChing_14 (B3), Chalmers_14 (B3), Chentzyk_13 (B3), Compostia_15 (B3), Corofin_14 (B3), Daisy_14 (B3), Deenasa_14 (B3), Devonte_14 (B3), Gadjet_15 (B3), Gervas_14 (B3), GlenHope_15 (B3), Glubnar_14 (B3), GodPhather_10 (W), Halfpint_13 (B3), HarveySr_14 (B3), Jackstina_13 (B3), Jeon_9 (W), JohnLord_10 (AD), Kronus_13 (B3), LestyG_14 (B3), Mao1_9 (AD), Marley1013_14 (B3), Marlia_14 (B3), Mask_10 (AD), Megabear_9 (W), MmasiCarm_14 (B3), Mortcellus_13 (B3), Morty007_14 (B3), Mulaychimus_14 (B3), Neos5_14 (B3), Nozo_14 (B3), Obutu_14 (B3), Olivio_13 (B3), OrangeOswald_14 (B3), PR_09 (W), Phaedrus_13 (B3), Phayeta_14 (B3), Philly_13 (B3), RagingRooster_14 (B3), Rita1961_14 (B3), RomaT_14 (B3), Sejanus_10 (AD), Shenandoah_14 (B3), SlippinJimmy_14 (B3), SwainyDoc_14 (B3), SynergyX_14 (B3), Taptic_9 (W), TinyTerror_14 (B3), Tydolla_14 (B3), Yahalom_14 (B3), Yinz_14 (B3),

Start 88:
• Found in 48 of 855 (5.6%) of genes in pham
• Manual Annotations of this start: 22 of 759
• Called 52.1% of time when present
• Phage (with cluster) where this start called: AWGoat_19 (AP4), Beagle_27 (AP2), BetaFish_26 (AP2), BruhMoment_21 (AP3), DogYard_26 (AP2), Forrestell_23 (AP2), Hive_26 (AP2), Kubulix_27 (AP2), MellowYellow_23 (AP2), Nikan_22 (AP2), NyleyClemson_21 (AP2), Odyssey395_28 (AP2), Ollypop_24 (AP2), PhuzzTulsa_24 (AP2), Pointis_26 (AP2), Popstraw_24 (AP2), Pureglobe5_28 (AP2), RIPWilbur_24 (AP2), Ranunculus_20 (AP), RazzB_22 (AP2), Ren19_22 (AP2), Rizwana_19 (AP1), SilentRX_21 (AP4), Tank_20 (AP1), Wilde_20 (AP1),

Start 89:
• Found in 13 of 855 (1.5%) of genes in pham
• Manual Annotations of this start: 11 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_24 (EG), CandC_23 (EG), Fregley_25 (EG), Kelcole_23 (EG), KillerQueen_25 (EG), Marcie_29 (EG), OneinaGillian_24 (EG), Pepe25_23 (EG), RobinRose_26 (EG), Romm_26 (EG), Spiderpig_24 (EG), Tempo_24 (EG), Wilca_24 (EG),

Start 90:
• Found in 5 of 855 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altheas_27 (EG), Fransoyer_27 (EG), Phinky_31 (EG), RubyRalph_27 (EG), SadLad_29 (EG),

Start 91:
• Found in 46 of 855 (5.4%) of genes in pham
• Manual Annotations of this start: 42 of 759
• Called 95.7% of time when present

• Phage (with cluster) where this start called: AluminumJesus_23 (EG), BabyDotz_24 (EG), BaconCheese_27 (EG), Blab_23 (EG), Casend_26 (EG), DonaldDuck_24 (EG), EverythinBagel_24 (EG), Fizzles_25 (EG), FrankDeliGuy_22 (EG), Gazebo_24 (EG), Grassboy_26 (EG), Hyperion_24 (EG), Jehoshaphat_27 (EG), Judebell_27 (EG), Kyva_27 (EG), LilCahh_24 (EG), Llemily_24 (EG), Lonelysoil_24 (EG), Mashley_23 (EG), Mentos_27 (EG), Mila11_27 (EG), MorillMayhem_25 (EG), Namago_25 (EG), Nike_25 (EG), Phabia_25 (EG), Quammi_23 (EG), Rowlf_21 (EG), Rudy_23 (EG), SallyK_26 (EG), Sillytadpoles_24 (EG), SlySloth_27 (EG), Squash_27 (EG), Statler_26 (EG), StrawberryJamm_27 (EG), Sunfish_32 (singleton), Teehee_26 (EG), Tissue_25 (EG), Viceroy_24 (EG), Wayne3_26 (EG), WheelerS25_30 (EG), Wheelie_24 (EG), Zagie_25 (EG), ZestyBestie_23 (EG), Zhafia_27 (EG),

Start 105:
• Found in 1 of 855 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pine5_14 (singleton),

Start 106:
• Found in 12 of 855 (1.4%) of genes in pham
• Manual Annotations of this start: 12 of 759
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_13 (BG), Asis_13 (BG), BabyGotBac_13 (BG), BayC_13 (BG), Maih_13 (BG), Mischief19_14 (BG), RainyPolka_13 (BG), Salete_13 (BG), TP1604_13 (BG), TurkishDelight_17 (singleton), Xkcd426_14 (BG), YDN12_14 (BG),

Start 109:
• Found in 4 of 855 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: phiAsp2_14 (singleton),

Start 161:
• Found in 8 of 855 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 759
• Called 12.5% of time when present
• Phage (with cluster) where this start called: D12_09 (W),

Start 213:
• Found in 212 of 855 (24.8%) of genes in pham
• No Manual Annotations of this start.
• Called 0.5% of time when present
• Phage (with cluster) where this start called: TPA2_21 (singleton),

Summary by clusters:

There are 38 clusters represented in this pham: singleton, BG, FT, AP2, AP3, AP1, AP4, B12, B13, B10, B11, DR, EI, AD, AI, EG, EC, AP, GC, W, GM, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:
•Start number 33 was manually annotated 1 time for cluster AD.

•Start number 78 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AI:
•Start number 70 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster AP:
•Start number 88 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:
•Start number 88 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:
•Start number 88 was manually annotated 15 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 88 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 88 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster B1:
•Start number 75 was manually annotated 297 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 45 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 45 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 45 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 13 was manually annotated 1 time for cluster B13.
•Start number 47 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 73 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 69 was manually annotated 6 times for cluster B3.
•Start number 78 was manually annotated 47 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 45 was manually annotated 29 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 28 was manually annotated 1 time for cluster B5.
•Start number 39 was manually annotated 3 times for cluster B5.
•Start number 47 was manually annotated 7 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 19 was manually annotated 1 time for cluster B6.

•Start number 34 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:
•Start number 45 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 73 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 12 was manually annotated 1 time for cluster B9.
•Start number 25 was manually annotated 1 time for cluster B9.
•Start number 45 was manually annotated 4 times for cluster B9.

Info for manual annotations of cluster BG:
•Start number 106 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster CP:
•Start number 57 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster DC1:
•Start number 47 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 47 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:
•Start number 47 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 47 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 47 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 47 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 47 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DR:
•Start number 68 was manually annotated 23 times for cluster DR.

Info for manual annotations of cluster EC:
•Start number 48 was manually annotated 2 times for cluster EC.
•Start number 66 was manually annotated 47 times for cluster EC.

Info for manual annotations of cluster EG:
•Start number 89 was manually annotated 11 times for cluster EG.
•Start number 90 was manually annotated 4 times for cluster EG.
•Start number 91 was manually annotated 41 times for cluster EG.

Info for manual annotations of cluster EI:

•Start number 66 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster FT:
•Start number 77 was manually annotated 1 time for cluster FT.

Info for manual annotations of cluster GC:
•Start number 61 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster GM:
•Start number 30 was manually annotated 1 time for cluster GM.
•Start number 66 was manually annotated 1 time for cluster GM.

Info for manual annotations of cluster W:
•Start number 78 was manually annotated 7 times for cluster W.
•Start number 161 was manually annotated 1 time for cluster W.

Gene Information:

Gene: 39HC_010 Start: 9835, Stop: 11733, Start Num: 19
Candidate Starts for 39HC_010:
(7, 9730), (18, 9832), (Start: 19 @9835 has 1 MA's), (Start: 34 @9865 has 1 MA's), (Start: 45 @9898 has 37 MA's), (53, 9931), (62, 9952), (140, 10183), (171, 10366), (224, 10513), (250, 10606), (263, 10636), (271, 10666), (302, 10807), (308, 10834), (361, 11101), (374, 11161), (377, 11185), (384, 11206), (392, 11245), (408, 11326), (419, 11374), (431, 11455), (433, 11473), (443, 11509), (444, 11512), (448, 11542), (452, 11566), (453, 11569), (458, 11593), (459, 11611), (473, 11671), (475, 11683), (480, 11707),

Gene: 40BC_010 Start: 9835, Stop: 11733, Start Num: 19
Candidate Starts for 40BC_010:
(7, 9730), (18, 9832), (Start: 19 @9835 has 1 MA's), (Start: 34 @9865 has 1 MA's), (Start: 45 @9898 has 37 MA's), (53, 9931), (62, 9952), (140, 10183), (171, 10366), (224, 10513), (250, 10606), (263, 10636), (271, 10666), (302, 10807), (308, 10834), (361, 11101), (374, 11161), (377, 11185), (384, 11206), (392, 11245), (408, 11326), (419, 11374), (431, 11455), (433, 11473), (443, 11509), (444, 11512), (448, 11542), (452, 11566), (453, 11569), (458, 11593), (459, 11611), (473, 11671), (475, 11683), (480, 11707),

Gene: ABU_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for ABU_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: APunk_23 Start: 16314, Stop: 18233, Start Num: 47
Candidate Starts for APunk_23:
(Start: 47 @16314 has 125 MA's), (111, 16530), (116, 16545), (154, 16719), (199, 16866), (215, 16935), (219, 16941), (234, 16995), (243, 17019), (306, 17271), (309, 17289), (311, 17295), (321, 17358), (323, 17370), (324, 17373), (325, 17385), (351, 17475), (356, 17502), (386, 17661), (400, 17739), (421, 17835), (460, 18105), (470, 18150),

Gene: AWGoat_19 Start: 13739, Stop: 15430, Start Num: 88

Candidate Starts for AWGoat_19:
(65, 13679), (72, 13691), (74, 13694), (Start: 88 @13739 has 22 MA's), (309, 14555), (318, 14609), (324, 14639), (325, 14651), (352, 14735), (353, 14738), (354, 14741), (365, 14810), (378, 14882), (391, 14930), (415, 15047), (427, 15113), (448, 15230), (461, 15317), (463, 15323),

Gene: Abblin_21 Start: 15527, Stop: 17449, Start Num: 47
Candidate Starts for Abblin_21:
(Start: 47 @15527 has 125 MA's), (111, 15743), (116, 15758), (154, 15932), (196, 16070), (199, 16079), (215, 16148), (219, 16154), (234, 16208), (243, 16232), (306, 16484), (309, 16502), (311, 16508), (321, 16571), (323, 16583), (324, 16586), (325, 16598), (351, 16688), (356, 16715), (386, 16874), (400, 16952), (421, 17048), (427, 17084), (441, 17204), (445, 17237), (460, 17321), (470, 17366),

Gene: Abinghost_14 Start: 11026, Stop: 13041, Start Num: 78
Candidate Starts for Abinghost_14:
(Start: 78 @11026 has 57 MA's), (82, 11041), (103, 11119), (112, 11167), (213, 11524), (221, 11548), (277, 11713), (291, 11761), (302, 11833), (316, 11914), (326, 11968), (373, 12187), (374, 12190), (386, 12244), (396, 12292), (408, 12355), (412, 12376), (413, 12379), (448, 12571), (449, 12580), (453, 12598), (456, 12616), (457, 12619), (462, 12661), (471, 12694), (497, 12934),

Gene: AbsoluteMadLad_11 Start: 9753, Stop: 11498, Start Num: 75
Candidate Starts for AbsoluteMadLad_11:
(Start: 75 @9753 has 297 MA's), (119, 9900), (224, 10287), (264, 10413), (277, 10464), (302, 10572), (361, 10866), (373, 10923), (384, 10968), (386, 10977), (387, 10986), (412, 11109), (427, 11187), (428, 11196), (442, 11271), (448, 11307), (453, 11334), (456, 11352), (459, 11376), (471, 11430), (473, 11436), (475, 11448),

Gene: Abt2graduatex2_13 Start: 13868, Stop: 15571, Start Num: 106
Candidate Starts for Abt2graduatex2_13:
(Start: 106 @13868 has 12 MA's), (108, 13877), (135, 13964), (157, 14111), (159, 14135), (210, 14318), (225, 14372), (230, 14402), (239, 14432), (241, 14435), (259, 14483), (269, 14519), (281, 14564), (292, 14606), (305, 14675), (351, 14855), (364, 14933), (365, 14936), (395, 15086), (401, 15128), (416, 15188), (420, 15209), (443, 15341), (452, 15398), (456, 15419), (462, 15461), (464, 15467), (485, 15542),

Gene: Acadian_13 Start: 11375, Stop: 13246, Start Num: 39
Candidate Starts for Acadian_13:
(Start: 39 @11375 has 3 MA's), (Start: 47 @11399 has 125 MA's), (54, 11432), (81, 11483), (Start: 88 @11507 has 22 MA's), (114, 11612), (125, 11642), (128, 11651), (213, 11981), (224, 12014), (244, 12083), (263, 12137), (270, 12161), (271, 12167), (302, 12320), (345, 12503), (361, 12611), (373, 12668), (374, 12671), (384, 12716), (386, 12725), (387, 12734), (391, 12752), (402, 12812), (412, 12857), (417, 12878), (419, 12887), (423, 12914), (428, 12944), (441, 13013), (448, 13055), (452, 13079), (453, 13082), (459, 13124), (469, 13172),

Gene: Adriana_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Adriana_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Aelin_11 Start: 9307, Stop: 11049, Start Num: 75
Candidate Starts for Aelin_11:

(Start: 75 @9307 has 297 MA's), (119, 9454), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: Affeca_20 Start: 15348, Stop: 17258, Start Num: 47
Candidate Starts for Affeca_20:
(Start: 47 @15348 has 125 MA's), (116, 15579), (122, 15597), (176, 15867), (226, 16005), (245, 16074), (255, 16107), (309, 16332), (311, 16338), (323, 16413), (324, 16416), (325, 16428), (342, 16464), (351, 16515), (373, 16638), (378, 16674), (408, 16818), (419, 16869), (442, 17013), (443, 17016), (444, 17019), (451, 17067), (460, 17124),

Gene: Ahwei_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for Ahwei_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Ailee_20 Start: 15256, Stop: 17172, Start Num: 47
Candidate Starts for Ailee_20:
(Start: 47 @15256 has 125 MA's), (116, 15487), (122, 15505), (176, 15781), (226, 15919), (245, 15988), (255, 16021), (309, 16246), (311, 16252), (321, 16315), (323, 16327), (324, 16330), (325, 16342), (351, 16429), (373, 16552), (378, 16588), (408, 16732), (419, 16783), (442, 16927), (443, 16930), (444, 16933), (451, 16981), (460, 17038), (489, 17155),

Gene: Akoma_14 Start: 11026, Stop: 13041, Start Num: 78
Candidate Starts for Akoma_14:
(Start: 78 @11026 has 57 MA's), (82, 11041), (103, 11119), (112, 11167), (213, 11524), (221, 11548), (277, 11713), (291, 11761), (302, 11833), (316, 11914), (326, 11968), (373, 12187), (374, 12190), (386, 12244), (396, 12292), (408, 12355), (412, 12376), (413, 12379), (448, 12571), (449, 12580), (453, 12598), (456, 12616), (457, 12619), (462, 12661), (471, 12694), (493, 12784), (494, 12817), (497, 12934),

Gene: AksarBAT_11 Start: 9810, Stop: 11495, Start Num: 68
Candidate Starts for AksarBAT_11:
(Start: 68 @9810 has 23 MA's), (103, 9897), (112, 9945), (185, 10182), (213, 10251), (234, 10323), (270, 10413), (290, 10488), (304, 10572), (307, 10581), (328, 10704), (351, 10785), (361, 10851), (373, 10908), (374, 10911), (388, 10983), (394, 11001), (412, 11097), (416, 11109), (419, 11124), (441, 11250), (448, 11292), (449, 11301), (453, 11319), (458, 11343), (488, 11481),

Gene: AlanGrant_13 Start: 12220, Stop: 14025, Start Num: 45
Candidate Starts for AlanGrant_13:
(1, 11848), (2, 11857), (Start: 45 @12220 has 37 MA's), (53, 12250), (62, 12271), (81, 12292), (134, 12475), (167, 12649), (213, 12769), (244, 12868), (251, 12895), (264, 12925), (270, 12946), (271, 12952), (272, 12955), (312, 13150), (331, 13249), (344, 13273), (351, 13321), (361, 13387), (384, 13492), (387, 13510), (392, 13531), (408, 13612), (419, 13660), (439, 13771), (441, 13786), (443, 13795), (448, 13828), (453, 13855), (459, 13897), (463, 13921), (471, 13951), (475, 13969),

Gene: Aleia_12 Start: 9324, Stop: 11069, Start Num: 75
Candidate Starts for Aleia_12:

(Start: 75 @9324 has 297 MA's), (224, 9858), (264, 9984), (277, 10035), (302, 10143), (361, 10437), (373, 10494), (384, 10539), (386, 10548), (387, 10557), (412, 10680), (427, 10758), (428, 10767), (442, 10842), (448, 10878), (453, 10905), (456, 10923), (459, 10947), (471, 11001), (473, 11007), (475, 11019),

Gene: Ali17_19 Start: 14661, Stop: 16580, Start Num: 47
Candidate Starts for Ali17_19:
(Start: 47 @14661 has 125 MA's), (110, 14862), (141, 14985), (176, 15156), (199, 15201), (204, 15222), (226, 15279), (264, 15405), (277, 15456), (280, 15465), (295, 15516), (298, 15567), (309, 15630), (311, 15636), (321, 15699), (325, 15726), (351, 15813), (385, 15996), (398, 16071), (402, 16086), (408, 16110), (415, 16143), (419, 16161), (428, 16218), (441, 16329), (453, 16398), (454, 16410), (460, 16446), (475, 16512),

Gene: Allegro_15 Start: 12411, Stop: 14441, Start Num: 73
Candidate Starts for Allegro_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12633), (158, 12747), (213, 12912), (234, 12984), (277, 13101), (293, 13161), (297, 13179), (302, 13233), (316, 13314), (373, 13587), (374, 13590), (387, 13656), (438, 13914), (448, 13974), (449, 13983), (453, 14001), (458, 14025), (471, 14097), (484, 14145), (495, 14289), (497, 14328), (501, 14385), (502, 14421), (503, 14427),

Gene: AltPhacts_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for AltPhacts_12:
(Start: 75 @9758 has 297 MA's), (119, 9905), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Altheas_27 Start: 14496, Stop: 16319, Start Num: 90
Candidate Starts for Altheas_27:
(Start: 90 @14496 has 4 MA's), (95, 14508), (107, 14568), (116, 14607), (237, 15129), (262, 15204), (273, 15252), (282, 15276), (284, 15282), (307, 15399), (324, 15498), (349, 15579), (366, 15672), (368, 15687), (376, 15735), (383, 15759), (389, 15792), (394, 15807), (397, 15831), (407, 15879), (417, 15921), (440, 16056), (441, 16068), (443, 16077), (453, 16137), (473, 16239),

Gene: Altwerkus_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Altwerkus_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: AluminumJesus_23 Start: 13874, Stop: 15679, Start Num: 91
Candidate Starts for AluminumJesus_23:
(Start: 91 @13874 has 42 MA's), (95, 13883), (116, 13982), (184, 14288), (237, 14489), (242, 14504), (262, 14564), (273, 14612), (284, 14642), (306, 14756), (307, 14759), (308, 14765), (324, 14858), (349, 14939), (366, 15032), (368, 15047), (376, 15095), (383, 15119), (394, 15167), (397, 15191), (407, 15239), (417, 15281), (440, 15416), (441, 15428), (443, 15437), (453, 15497), (464, 15566), (473, 15599),

Gene: Amo99_45 Start: 23180, Stop: 24970, Start Num: 57
Candidate Starts for Amo99_45:
(41, 23120), (55, 23174), (Start: 57 @23180 has 7 MA's), (205, 23717), (213, 23750), (218, 23762), (258, 23882), (260, 23885), (274, 23942), (309, 24095), (311, 24101), (314, 24128), (323, 24170),

(383, 24428), (384, 24431), (393, 24473), (394, 24476), (403, 24530), (404, 24536), (424, 24632), (427, 24647), (428, 24656), (463, 24881), (473, 24917), (475, 24929), (480, 24953),

Gene: AnClar_11 Start: 10669, Stop: 12366, Start Num: 68
Candidate Starts for AnClar_11:
(Start: 68 @10669 has 23 MA's), (176, 11035), (193, 11050), (213, 11110), (234, 11182), (270, 11272), (296, 11362), (307, 11440), (361, 11710), (373, 11767), (386, 11824), (387, 11833), (408, 11935), (412, 11956), (417, 11974), (448, 12151), (451, 12169), (452, 12175), (453, 12178), (458, 12202), (462, 12241), (471, 12274), (473, 12280),

Gene: AnarQue_13 Start: 11332, Stop: 13026, Start Num: 68
Candidate Starts for AnarQue_13:
(Start: 68 @11332 has 23 MA's), (103, 11419), (112, 11467), (160, 11668), (213, 11779), (221, 11803), (234, 11851), (270, 11941), (304, 12100), (307, 12109), (314, 12157), (329, 12235), (344, 12268), (351, 12316), (361, 12382), (372, 12430), (373, 12439), (374, 12442), (388, 12514), (394, 12532), (402, 12583), (412, 12628), (416, 12640), (419, 12655), (441, 12781), (448, 12823), (452, 12847), (453, 12850), (456, 12868),

Gene: Anderson_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Anderson_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Andre_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Andre_12:
(Start: 75 @9758 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: AngelCake_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for AngelCake_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Angelicage_20 Start: 15771, Stop: 17681, Start Num: 47
Candidate Starts for Angelicage_20:
(Start: 47 @15771 has 125 MA's), (116, 16002), (122, 16020), (176, 16290), (226, 16428), (245, 16497), (255, 16530), (309, 16755), (311, 16761), (323, 16836), (324, 16839), (325, 16851), (342, 16887), (351, 16938), (373, 17061), (378, 17097), (408, 17241), (419, 17292), (442, 17436), (443, 17439), (444, 17442), (451, 17490), (460, 17547),

Gene: Antares_27 Start: 14003, Stop: 15859, Start Num: 66
Candidate Starts for Antares_27:
(Start: 66 @14003 has 55 MA's), (212, 14579), (223, 14624), (230, 14660), (251, 14729), (259, 14750), (261, 14753), (269, 14783), (299, 14903), (313, 14984), (340, 15098), (345, 15125), (381, 15314), (405, 15440), (428, 15554), (429, 15569), (444, 15617), (448, 15647), (450, 15659), (453, 15674), (455, 15689), (463, 15740), (468, 15758), (473, 15776),

Gene: Antihero_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for Antihero_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Antonia_11 Start: 9307, Stop: 11049, Start Num: 75
Candidate Starts for Antonia_11:
(Start: 75 @9307 has 297 MA's), (119, 9454), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: Aonishiki_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Aonishiki_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Apex_12 Start: 11654, Stop: 13435, Start Num: 45
Candidate Starts for Apex_12:
(Start: 45 @11654 has 37 MA's), (81, 11720), (125, 11870), (134, 11903), (143, 11933), (167, 12065), (186, 12098), (213, 12194), (244, 12290), (251, 12317), (263, 12344), (264, 12347), (270, 12368), (302, 12515), (329, 12662), (361, 12809), (374, 12869), (377, 12893), (383, 12911), (386, 12923), (387, 12932), (392, 12953), (408, 13034), (419, 13082), (428, 13139), (433, 13181), (441, 13208), (444, 13220), (448, 13250), (453, 13277), (458, 13301), (459, 13319), (463, 13343), (471, 13373), (473, 13379),

Gene: Apizium_11 Start: 9462, Stop: 11207, Start Num: 75
Candidate Starts for Apizium_11:
(Start: 75 @9462 has 297 MA's), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: Arbiter_15 Start: 12501, Stop: 14528, Start Num: 73
Candidate Starts for Arbiter_15:
(Start: 73 @12501 has 38 MA's), (112, 12645), (121, 12666), (139, 12720), (146, 12747), (158, 12834), (213, 12999), (234, 13071), (277, 13188), (293, 13248), (297, 13266), (302, 13320), (316, 13401), (373, 13674), (374, 13677), (387, 13743), (438, 14001), (448, 14061), (449, 14070), (453, 14088), (458, 14112), (471, 14184), (484, 14232), (495, 14376), (497, 14415), (501, 14472), (502, 14508), (503, 14514),

Gene: Ares_15 Start: 12411, Stop: 14441, Start Num: 73
Candidate Starts for Ares_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12633), (158, 12747), (213, 12912), (234, 12984), (277, 13101), (293, 13161), (297, 13179), (302, 13233), (316, 13314), (373, 13587), (374, 13590), (387, 13656), (438, 13914), (448, 13974), (449, 13983), (453, 14001), (458, 14025), (471, 14097), (484, 14145), (495, 14289), (497, 14328), (501, 14385), (502, 14421), (503, 14427),

Gene: Argie_10 Start: 10843, Stop: 12906, Start Num: 78
Candidate Starts for Argie_10:
(Start: 78 @10843 has 57 MA's), (81, 10855), (86, 10882), (103, 10936), (112, 10984), (146, 11089), (Start: 161 @11206 has 1 MA's), (194, 11278), (229, 11413), (234, 11428), (245, 11452), (254, 11482), (271, 11527), (276, 11548), (299, 11656), (302, 11674), (313, 11743), (314, 11749), (341, 11842), (368, 12001), (373, 12025), (378, 12055), (387, 12091), (394, 12118), (408, 12193), (417, 12232), (423, 12268), (428, 12298), (442, 12373), (452, 12433), (471, 12532), (473, 12538), (489, 12601), (496, 12757), (499, 12808), (500, 12814), (504, 12898),

Gene: Ariadne_35 Start: 15581, Stop: 17596, Start Num: 66
Candidate Starts for Ariadne_35:
(Start: 66 @15581 has 55 MA's), (212, 16160), (223, 16205), (230, 16241), (238, 16265), (251, 16310), (259, 16331), (265, 16349), (299, 16484), (338, 16814), (339, 16817), (345, 16874), (348, 16898), (373, 17036), (381, 17063), (402, 17174), (428, 17303), (429, 17318), (431, 17327), (441, 17354), (444, 17366), (448, 17396), (453, 17423), (468, 17507), (473, 17525),

Gene: Arri_22 Start: 12537, Stop: 14423, Start Num: 47
Candidate Starts for Arri_22:
(Start: 47 @12537 has 125 MA's), (118, 12774), (122, 12786), (136, 12840), (180, 13062), (236, 13224), (247, 13257), (311, 13509), (322, 13581), (342, 13638), (345, 13650), (364, 13767), (373, 13812), (374, 13815), (398, 13938), (401, 13950), (416, 14010), (432, 14112), (441, 14163), (443, 14172), (454, 14244), (459, 14274), (475, 14346), (480, 14370),

Gene: Ashertheman_21 Start: 14855, Stop: 16762, Start Num: 47
Candidate Starts for Ashertheman_21:
(Start: 47 @14855 has 125 MA's), (97, 14990), (116, 15086), (176, 15368), (204, 15437), (217, 15485), (226, 15509), (234, 15545), (245, 15578), (252, 15602), (280, 15695), (309, 15836), (311, 15842), (321, 15905), (323, 15917), (324, 15920), (325, 15932), (351, 16019), (373, 16142), (378, 16178), (398, 16283), (408, 16322), (419, 16373), (441, 16511), (442, 16517), (443, 16520), (451, 16571), (460, 16628), (461, 16640), (464, 16649), (490, 16748),

Gene: Ashraf_11 Start: 9304, Stop: 11049, Start Num: 75
Candidate Starts for Ashraf_11:
(Start: 75 @9304 has 297 MA's), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: Asis_13 Start: 13751, Stop: 15445, Start Num: 106
Candidate Starts for Asis_13:
(Start: 106 @13751 has 12 MA's), (108, 13760), (138, 13862), (157, 13994), (159, 14018), (190, 14114), (210, 14195), (220, 14240), (225, 14249), (231, 14282), (239, 14309), (241, 14312), (259, 14360), (268, 14393), (269, 14396), (279, 14435), (281, 14441), (299, 14519), (305, 14552), (323, 14642), (348, 14717), (351, 14732), (361, 14798), (364, 14810), (365, 14813), (387, 14930), (395, 14963), (401, 15005), (425, 15122), (443, 15218), (452, 15275), (456, 15296), (462, 15338), (464, 15344), (473, 15377), (477, 15401), (485, 15419), (489, 15434),

Gene: Athena_15 Start: 11789, Stop: 13804, Start Num: 78
Candidate Starts for Athena_15:
(Start: 78 @11789 has 57 MA's), (82, 11804), (103, 11882), (112, 11930), (213, 12287), (221, 12311), (277, 12476), (291, 12524), (302, 12596), (316, 12677), (326, 12731), (373, 12950), (374, 12953), (386, 13007), (396, 13055), (408, 13118), (412, 13139), (413, 13142), (448, 13334), (449, 13343), (453, 13361), (456, 13379), (457, 13382), (462, 13424), (471, 13457), (497, 13697),

Gene: Audrey_14 Start: 11026, Stop: 13041, Start Num: 78
Candidate Starts for Audrey_14:
(Start: 78 @11026 has 57 MA's), (82, 11041), (103, 11119), (112, 11167), (213, 11524), (221, 11548), (277, 11713), (291, 11761), (302, 11833), (316, 11914), (326, 11968), (373, 12187), (374, 12190), (386, 12244), (396, 12292), (408, 12355), (412, 12376), (413, 12379), (448, 12571), (449, 12580), (453, 12598), (456, 12616), (457, 12619), (462, 12661), (471, 12694), (497, 12934),

Gene: Austelle_13 Start: 12110, Stop: 13888, Start Num: 45
Candidate Starts for Austelle_13:
(Start: 45 @12110 has 37 MA's), (81, 12176), (125, 12326), (134, 12359), (143, 12389), (167, 12518), (186, 12551), (213, 12647), (244, 12743), (251, 12770), (263, 12797), (264, 12800), (270, 12821), (302, 12968), (329, 13115), (361, 13262), (374, 13322), (377, 13346), (383, 13364), (387, 13385), (392, 13406), (408, 13487), (419, 13535), (428, 13592), (433, 13634), (441, 13661), (444, 13673), (448, 13703), (453, 13730), (458, 13754), (459, 13772), (463, 13796), (471, 13826), (473, 13832),

Gene: Axumite_11 Start: 9837, Stop: 11540, Start Num: 68
Candidate Starts for Axumite_11:
(Start: 68 @9837 has 23 MA's), (112, 9972), (164, 10188), (176, 10209), (213, 10284), (231, 10347), (270, 10446), (286, 10506), (304, 10605), (361, 10884), (373, 10941), (387, 11007), (408, 11109), (412, 11130), (417, 11148), (438, 11265), (448, 11325), (453, 11352), (458, 11376), (461, 11412), (471, 11448), (473, 11454), (492, 11529),

Gene: Azuria_11 Start: 9756, Stop: 11501, Start Num: 75
Candidate Starts for Azuria_11:
(Start: 75 @9756 has 297 MA's), (119, 9903), (224, 10290), (264, 10416), (277, 10467), (302, 10575), (361, 10869), (363, 10878), (373, 10926), (384, 10971), (386, 10980), (387, 10989), (412, 11112), (427, 11190), (428, 11199), (442, 11274), (448, 11310), (453, 11337), (456, 11355), (459, 11379), (471, 11433), (473, 11439), (475, 11451),

Gene: BabyDotz_24 Start: 14116, Stop: 15948, Start Num: 91
Candidate Starts for BabyDotz_24:
(Start: 91 @14116 has 42 MA's), (95, 14125), (116, 14224), (197, 14590), (237, 14758), (242, 14773), (262, 14833), (273, 14881), (275, 14887), (284, 14911), (306, 15025), (307, 15028), (308, 15034), (324, 15127), (349, 15208), (366, 15301), (368, 15316), (376, 15364), (383, 15388), (394, 15436), (397, 15460), (407, 15508), (417, 15550), (440, 15685), (441, 15697), (443, 15706), (453, 15766), (464, 15835), (473, 15868),

Gene: BabyGotBac_13 Start: 13751, Stop: 15445, Start Num: 106
Candidate Starts for BabyGotBac_13:
(Start: 106 @13751 has 12 MA's), (108, 13760), (138, 13862), (157, 13994), (159, 14018), (190, 14114), (210, 14195), (220, 14240), (225, 14249), (231, 14282), (239, 14309), (241, 14312), (259, 14360), (268, 14393), (269, 14396), (279, 14435), (281, 14441), (299, 14519), (305, 14552), (323, 14642), (348, 14717), (351, 14732), (361, 14798), (364, 14810), (365, 14813), (387, 14930), (395, 14963), (401, 15005), (425, 15122), (443, 15218), (452, 15275), (456, 15296), (462, 15338), (464, 15344), (473, 15377), (477, 15401), (485, 15419), (489, 15434),

Gene: BaconCheese_27 Start: 15365, Stop: 17197, Start Num: 91
Candidate Starts for BaconCheese_27:
(Start: 91 @15365 has 42 MA's), (95, 15374), (116, 15473), (197, 15839), (237, 16007), (242, 16022), (262, 16082), (273, 16130), (275, 16136), (284, 16160), (306, 16274), (307, 16277), (308, 16283), (324, 16376), (349, 16457), (366, 16550), (368, 16565), (376, 16613), (383, 16637), (394, 16685), (397, 16709), (407, 16757), (417, 16799), (440, 16934), (441, 16946), (443, 16955), (453, 17015),

(464, 17084), (473, 17117),

Gene: Baddon_20 Start: 15702, Stop: 17609, Start Num: 47
Candidate Starts for Baddon_20:
(Start: 47 @15702 has 125 MA's), (97, 15837), (103, 15870), (116, 15933), (176, 16215), (204, 16284), (217, 16332), (226, 16356), (245, 16425), (252, 16449), (280, 16542), (309, 16683), (311, 16689), (321, 16752), (323, 16764), (324, 16767), (325, 16779), (351, 16866), (373, 16989), (378, 17025), (386, 17058), (392, 17088), (398, 17130), (408, 17169), (419, 17220), (442, 17364), (443, 17367), (451, 17418), (460, 17475), (461, 17487), (464, 17496), (470, 17520),

Gene: Badfish_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Badfish_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Baee_13 Start: 11353, Stop: 13248, Start Num: 28
Candidate Starts for Baee_13:
(Start: 28 @11353 has 1 MA's), (Start: 47 @11407 has 125 MA's), (54, 11440), (81, 11491), (Start: 88 @11515 has 22 MA's), (101, 11557), (114, 11620), (119, 11629), (128, 11659), (213, 11983), (224, 12016), (244, 12085), (263, 12139), (271, 12169), (299, 12304), (302, 12322), (307, 12343), (345, 12505), (358, 12598), (361, 12613), (373, 12670), (374, 12673), (384, 12718), (386, 12727), (387, 12736), (392, 12757), (399, 12802), (402, 12814), (412, 12859), (417, 12880), (419, 12889), (428, 12946), (441, 13015), (448, 13057), (449, 13066), (452, 13081), (453, 13084), (458, 13108), (459, 13126), (469, 13174),

Gene: Bakery_20 Start: 11735, Stop: 13636, Start Num: 47
Candidate Starts for Bakery_20:
(Start: 47 @11735 has 125 MA's), (118, 11972), (122, 11984), (136, 12038), (236, 12425), (247, 12458), (255, 12482), (280, 12563), (288, 12590), (311, 12728), (342, 12857), (345, 12869), (351, 12908), (364, 12986), (373, 13031), (374, 13034), (378, 13055), (387, 13097), (392, 13118), (398, 13160), (401, 13172), (454, 13466), (459, 13496), (463, 13520), (471, 13550),

Gene: Baloo_14 Start: 11026, Stop: 13041, Start Num: 78
Candidate Starts for Baloo_14:
(Start: 78 @11026 has 57 MA's), (82, 11041), (103, 11119), (112, 11167), (213, 11524), (221, 11548), (277, 11713), (291, 11761), (302, 11833), (316, 11914), (326, 11968), (373, 12187), (374, 12190), (386, 12244), (396, 12292), (408, 12355), (412, 12376), (413, 12379), (448, 12571), (449, 12580), (453, 12598), (456, 12616), (457, 12619), (462, 12661), (471, 12694), (493, 12784), (494, 12817), (497, 12934),

Gene: Bananafish_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for Bananafish_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: Banjo_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Banjo_11:

(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Barb_21 Start: 12512, Stop: 14410, Start Num: 47
Candidate Starts for Barb_21:
(Start: 47 @12512 has 125 MA's), (118, 12749), (122, 12761), (136, 12815), (236, 13208), (247, 13241), (255, 13265), (311, 13505), (342, 13634), (345, 13646), (364, 13763), (373, 13808), (374, 13811), (387, 13871), (391, 13889), (398, 13934), (401, 13946), (402, 13949), (407, 13970), (427, 14069), (432, 14108), (443, 14168), (454, 14240), (459, 14270), (463, 14294), (470, 14321), (471, 14324), (476, 14351),

Gene: Barsten_21 Start: 15284, Stop: 17188, Start Num: 47
Candidate Starts for Barsten_21:
(Start: 47 @15284 has 125 MA's), (116, 15515), (122, 15533), (176, 15800), (226, 15938), (245, 16007), (255, 16040), (309, 16265), (311, 16271), (321, 16334), (323, 16346), (324, 16349), (325, 16361), (351, 16448), (373, 16571), (378, 16607), (408, 16751), (419, 16802), (442, 16946), (443, 16949), (444, 16952), (451, 17000), (460, 17057),

Gene: Basato_13 Start: 9991, Stop: 11736, Start Num: 75
Candidate Starts for Basato_13:
(Start: 75 @9991 has 297 MA's), (119, 10138), (224, 10525), (264, 10651), (277, 10702), (302, 10810), (361, 11104), (373, 11161), (384, 11206), (386, 11215), (387, 11224), (412, 11347), (427, 11425), (428, 11434), (442, 11509), (448, 11545), (453, 11572), (456, 11590), (459, 11614), (471, 11668), (473, 11674), (475, 11686),

Gene: BatteryCK_11 Start: 9310, Stop: 11055, Start Num: 75
Candidate Starts for BatteryCK_11:
(Start: 75 @9310 has 297 MA's), (224, 9844), (264, 9970), (277, 10021), (302, 10129), (361, 10423), (373, 10480), (384, 10525), (386, 10534), (387, 10543), (412, 10666), (427, 10744), (428, 10753), (442, 10828), (448, 10864), (453, 10891), (456, 10909), (459, 10933), (471, 10987), (473, 10993), (475, 11005),

Gene: Baumdotcom_20 Start: 14471, Stop: 16378, Start Num: 47
Candidate Starts for Baumdotcom_20:
(Start: 47 @14471 has 125 MA's), (97, 14606), (116, 14702), (176, 14984), (204, 15053), (217, 15101), (226, 15125), (234, 15161), (245, 15194), (252, 15218), (280, 15311), (309, 15452), (311, 15458), (321, 15521), (323, 15533), (324, 15536), (325, 15548), (351, 15635), (373, 15758), (378, 15794), (398, 15899), (408, 15938), (419, 15989), (441, 16127), (442, 16133), (443, 16136), (451, 16187), (460, 16244), (461, 16256), (464, 16265),

Gene: BayC_13 Start: 13751, Stop: 15445, Start Num: 106
Candidate Starts for BayC_13:
(Start: 106 @13751 has 12 MA's), (108, 13760), (138, 13862), (157, 13994), (159, 14018), (190, 14114), (210, 14195), (220, 14240), (225, 14249), (231, 14282), (239, 14309), (241, 14312), (259, 14360), (268, 14393), (269, 14396), (279, 14435), (281, 14441), (299, 14519), (305, 14552), (323, 14642), (351, 14732), (361, 14798), (364, 14810), (365, 14813), (387, 14930), (395, 14963), (401, 15005), (425, 15122), (443, 15218), (452, 15275), (462, 15338), (464, 15344), (473, 15377), (477, 15401), (485, 15419), (489, 15434),

Gene: Beagle_27 Start: 14234, Stop: 15961, Start Num: 88
Candidate Starts for Beagle_27:

(64, 14171), (Start: 88 @14234 has 22 MA's), (244, 14843), (315, 15131), (318, 15143), (324, 15173), (352, 15269), (353, 15272), (354, 15275), (362, 15335), (397, 15497), (410, 15557), (411, 15563), (415, 15581), (427, 15644), (446, 15755), (463, 15854),

Gene: BeagleBug_26 Start: 13781, Stop: 15640, Start Num: 66
Candidate Starts for BeagleBug_26:
(Start: 66 @13781 has 55 MA's), (212, 14360), (223, 14405), (230, 14441), (251, 14510), (259, 14531), (261, 14534), (269, 14564), (299, 14684), (313, 14765), (340, 14879), (345, 14906), (381, 15095), (405, 15221), (428, 15335), (429, 15350), (444, 15398), (448, 15428), (450, 15440), (453, 15455), (455, 15470), (463, 15521), (468, 15539), (473, 15557),

Gene: Beaglebox_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Beaglebox_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Belphegor_18 Start: 13765, Stop: 15693, Start Num: 47
Candidate Starts for Belphegor_18:
(Start: 47 @13765 has 125 MA's), (110, 13969), (120, 14008), (141, 14092), (179, 14272), (226, 14392), (252, 14485), (277, 14569), (280, 14578), (295, 14629), (298, 14680), (309, 14743), (311, 14749), (321, 14812), (325, 14839), (351, 14926), (398, 15184), (402, 15199), (408, 15223), (419, 15274), (428, 15331), (439, 15427), (441, 15442), (453, 15511), (454, 15523), (460, 15559), (472, 15610),

Gene: Ben11_13 Start: 10850, Stop: 12865, Start Num: 78
Candidate Starts for Ben11_13:
(Start: 69 @10838 has 6 MA's), (Start: 78 @10850 has 57 MA's), (82, 10865), (103, 10943), (112, 10991), (213, 11348), (221, 11372), (277, 11537), (291, 11585), (302, 11657), (316, 11738), (326, 11792), (373, 12011), (374, 12014), (386, 12068), (396, 12116), (408, 12179), (412, 12200), (413, 12203), (448, 12395), (449, 12404), (453, 12422), (456, 12440), (457, 12443), (462, 12485), (471, 12518), (493, 12608), (494, 12641), (497, 12758),

Gene: Bernardo_14 Start: 11013, Stop: 13040, Start Num: 69
Candidate Starts for Bernardo_14:
(Start: 69 @11013 has 6 MA's), (Start: 78 @11025 has 57 MA's), (82, 11040), (103, 11118), (112, 11166), (213, 11523), (221, 11547), (277, 11712), (291, 11760), (302, 11832), (316, 11913), (326, 11967), (373, 12186), (374, 12189), (386, 12243), (396, 12291), (408, 12354), (412, 12375), (413, 12378), (448, 12570), (449, 12579), (453, 12597), (456, 12615), (457, 12618), (462, 12660), (471, 12693), (493, 12783), (494, 12816), (497, 12933),

Gene: BetaFish_26 Start: 14437, Stop: 16164, Start Num: 88
Candidate Starts for BetaFish_26:
(64, 14374), (Start: 88 @14437 has 22 MA's), (244, 15046), (315, 15334), (318, 15346), (324, 15376), (352, 15472), (353, 15475), (354, 15478), (362, 15538), (397, 15700), (410, 15760), (411, 15766), (415, 15784), (427, 15847), (446, 15958), (463, 16057),

Gene: Bibwit_21 Start: 15528, Stop: 17423, Start Num: 47
Candidate Starts for Bibwit_21:
(Start: 47 @15528 has 125 MA's), (116, 15759), (122, 15777), (176, 16032), (226, 16170), (245, 16239), (255, 16272), (309, 16497), (311, 16503), (321, 16566), (323, 16578), (324, 16581), (325, 16593), (351, 16680), (373, 16803), (378, 16839), (408, 16983), (419, 17034), (442, 17178), (443,

17181), (444, 17184), (451, 17232), (460, 17289), (489, 17406),

Gene: BigHunkinEater_24 Start: 14639, Stop: 16555, Start Num: 47
Candidate Starts for BigHunkinEater_24:
(Start: 47 @14639 has 125 MA's), (111, 14855), (116, 14870), (154, 15044), (199, 15191), (215, 15257), (219, 15263), (234, 15317), (243, 15341), (249, 15365), (306, 15593), (309, 15611), (311, 15617), (321, 15680), (323, 15692), (324, 15695), (325, 15707), (351, 15797), (356, 15824), (386, 15983), (400, 16061), (421, 16157), (460, 16427), (463, 16445), (471, 16475),

Gene: BiggityBass_10 Start: 9650, Stop: 11347, Start Num: 68
Candidate Starts for BiggityBass_10:
(Start: 68 @9650 has 23 MA's), (193, 10031), (213, 10091), (234, 10163), (307, 10421), (361, 10691), (373, 10748), (386, 10805), (387, 10814), (408, 10916), (412, 10937), (417, 10955), (448, 11132), (451, 11150), (453, 11159), (458, 11183), (462, 11222), (473, 11261),

Gene: BirdInFrench_24 Start: 12993, Stop: 14771, Start Num: 89
Candidate Starts for BirdInFrench_24:
(Start: 89 @12993 has 11 MA's), (95, 13005), (163, 13350), (207, 13464), (237, 13590), (262, 13656), (273, 13704), (284, 13734), (324, 13947), (349, 14028), (351, 14037), (364, 14115), (366, 14121), (368, 14136), (397, 14280), (405, 14322), (417, 14373), (441, 14520), (443, 14529), (469, 14679), (473, 14691), (487, 14751),

Gene: BirdsNest_17 Start: 10414, Stop: 12351, Start Num: 13
Candidate Starts for BirdsNest_17:
(Start: 13 @10414 has 1 MA's), (14, 10432), (24, 10465), (40, 10501), (Start: 47 @10525 has 125 MA's), (54, 10555), (80, 10597), (171, 10984), (194, 11017), (208, 11062), (224, 11122), (251, 11218), (263, 11245), (302, 11425), (345, 11608), (351, 11650), (361, 11716), (373, 11773), (374, 11776), (392, 11860), (412, 11962), (417, 11983), (439, 12103), (441, 12118), (448, 12160), (453, 12187), (458, 12211), (459, 12229), (470, 12280), (471, 12283), (475, 12301), (480, 12325),

Gene: Bishoperium_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Bishoperium_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Bizzy_21 Start: 14750, Stop: 16663, Start Num: 47
Candidate Starts for Bizzy_21:
(Start: 47 @14750 has 125 MA's), (97, 14885), (116, 14981), (176, 15269), (204, 15338), (217, 15386), (226, 15410), (234, 15446), (245, 15479), (252, 15503), (280, 15596), (309, 15737), (311, 15743), (321, 15806), (323, 15818), (324, 15821), (325, 15833), (351, 15920), (373, 16043), (378, 16079), (386, 16112), (398, 16184), (408, 16223), (419, 16274), (441, 16412), (442, 16418), (443, 16421), (451, 16472), (460, 16529), (461, 16541), (464, 16550),

Gene: Blab_23 Start: 13751, Stop: 15577, Start Num: 91
Candidate Starts for Blab_23:
(Start: 91 @13751 has 42 MA's), (95, 13760), (116, 13859), (184, 14186), (237, 14387), (242, 14402), (262, 14462), (273, 14510), (284, 14540), (306, 14654), (307, 14657), (308, 14663), (324, 14756), (349, 14837), (366, 14930), (368, 14945), (376, 14993), (383, 15017), (394, 15065), (397, 15089), (407, 15137), (417, 15179), (440, 15314), (443, 15335), (453, 15395), (464, 15464), (473, 15497),

Gene: BlackStallion_12 Start: 9755, Stop: 11500, Start Num: 75

Candidate Starts for BlackStallion_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Blackpen_13 Start: 10824, Stop: 12506, Start Num: 68
Candidate Starts for Blackpen_13:
(Start: 68 @10824 has 23 MA's), (103, 10911), (112, 10959), (160, 11148), (213, 11259), (221, 11283), (234, 11331), (270, 11421), (304, 11580), (307, 11589), (314, 11637), (329, 11715), (344, 11748), (351, 11796), (361, 11862), (372, 11910), (373, 11919), (374, 11922), (388, 11994), (394, 12012), (402, 12063), (412, 12108), (416, 12120), (419, 12135), (441, 12261), (448, 12303), (452, 12327), (453, 12330), (456, 12348),

Gene: BlacksBerry_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for BlacksBerry_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Blocker23_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for Blocker23_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: BlueHusk_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for BlueHusk_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Bluephacebaby_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Bluephacebaby_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: BobBob_18 Start: 14138, Stop: 16045, Start Num: 47
Candidate Starts for BobBob_18:
(Start: 47 @14138 has 125 MA's), (116, 14369), (122, 14387), (176, 14654), (226, 14792), (245, 14861), (255, 14894), (309, 15119), (311, 15125), (321, 15188), (323, 15200), (324, 15203), (325, 15215), (351, 15302), (359, 15356), (373, 15425), (378, 15461), (408, 15605), (419, 15656), (442, 15800), (443, 15803), (444, 15806), (451, 15854), (460, 15911),

Gene: BobRoss2024_10 Start: 9683, Stop: 11377, Start Num: 68
Candidate Starts for BobRoss2024_10:
(Start: 68 @9683 has 23 MA's), (103, 9770), (213, 10109), (234, 10181), (270, 10280), (282, 10328), (307, 10451), (312, 10487), (314, 10499), (361, 10721), (373, 10778), (387, 10844), (394, 10871),

(408, 10946), (412, 10967), (438, 11102), (443, 11129), (448, 11162), (449, 11171), (453, 11189), (456, 11207), (473, 11291),

Gene: BobbyK_12 Start: 11473, Stop: 13251, Start Num: 45
Candidate Starts for BobbyK_12:
(Start: 45 @11473 has 37 MA's), (81, 11539), (125, 11689), (134, 11722), (143, 11752), (167, 11881), (186, 11914), (213, 12010), (244, 12106), (251, 12133), (263, 12160), (264, 12163), (270, 12184), (302, 12331), (329, 12478), (361, 12625), (374, 12685), (377, 12709), (383, 12727), (387, 12748), (392, 12769), (408, 12850), (419, 12898), (428, 12955), (433, 12997), (441, 13024), (444, 13036), (448, 13066), (453, 13093), (458, 13117), (459, 13135), (463, 13159), (471, 13189), (473, 13195),

Gene: Boehler_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Boehler_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Boise_16 Start: 11444, Stop: 13249, Start Num: 77
Candidate Starts for Boise_16:
(Start: 77 @11444 has 1 MA's), (Start: 88 @11492 has 22 MA's), (109, 11582), (158, 11834), (160, 11849), (189, 11942), (222, 12053), (224, 12062), (244, 12131), (263, 12176), (275, 12218), (300, 12323), (311, 12380), (324, 12458), (351, 12548), (353, 12557), (368, 12647), (391, 12749), (415, 12866), (427, 12929), (444, 13013), (453, 13070), (454, 13082), (463, 13136),

Gene: BoogieWoogie_12 Start: 9461, Stop: 11209, Start Num: 75
Candidate Starts for BoogieWoogie_12:
(Start: 75 @9461 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Boyle_15 Start: 12529, Stop: 14559, Start Num: 73
Candidate Starts for Boyle_15:
(Start: 73 @12529 has 38 MA's), (112, 12673), (121, 12694), (139, 12748), (146, 12775), (158, 12862), (213, 13030), (234, 13102), (277, 13219), (293, 13279), (297, 13297), (302, 13351), (316, 13432), (373, 13705), (374, 13708), (387, 13774), (438, 14032), (448, 14092), (449, 14101), (453, 14119), (458, 14143), (471, 14215), (484, 14263), (495, 14407), (497, 14446), (501, 14503), (502, 14539), (503, 14545),

Gene: Brandonk123_22 Start: 14830, Stop: 16737, Start Num: 47
Candidate Starts for Brandonk123_22:
(Start: 47 @14830 has 125 MA's), (116, 15061), (122, 15079), (176, 15346), (226, 15484), (245, 15553), (255, 15586), (309, 15811), (311, 15817), (321, 15880), (323, 15892), (324, 15895), (325, 15907), (351, 15994), (359, 16048), (373, 16117), (378, 16153), (408, 16297), (419, 16348), (442, 16492), (443, 16495), (444, 16498), (451, 16546), (460, 16603),

Gene: Brawn1_18 Start: 14513, Stop: 16420, Start Num: 47
Candidate Starts for Brawn1_18:
(Start: 47 @14513 has 125 MA's), (116, 14744), (122, 14762), (176, 15029), (226, 15167), (245, 15236), (255, 15269), (309, 15494), (311, 15500), (321, 15563), (323, 15575), (324, 15578), (325, 15590), (351, 15677), (359, 15731), (373, 15800), (378, 15836), (408, 15980), (419, 16031), (442, 16175), (443, 16178), (444, 16181), (451, 16229), (460, 16286),

Gene: BrazzalePHS_26 Start: 13795, Stop: 15654, Start Num: 66
Candidate Starts for BrazzalePHS_26:
(Start: 66 @13795 has 55 MA's), (212, 14374), (223, 14419), (230, 14455), (251, 14524), (259, 14545), (261, 14548), (269, 14578), (299, 14698), (313, 14779), (340, 14893), (345, 14920), (381, 15109), (405, 15235), (428, 15349), (429, 15364), (444, 15412), (448, 15442), (450, 15454), (453, 15469), (455, 15484), (463, 15535), (468, 15553), (473, 15571),

Gene: Briakila_14 Start: 11791, Stop: 13806, Start Num: 78
Candidate Starts for Briakila_14:
(Start: 69 @11779 has 6 MA's), (Start: 78 @11791 has 57 MA's), (82, 11806), (103, 11884), (112, 11932), (213, 12289), (221, 12313), (277, 12478), (291, 12526), (302, 12598), (316, 12679), (326, 12733), (373, 12952), (374, 12955), (386, 13009), (396, 13057), (408, 13120), (412, 13141), (413, 13144), (448, 13336), (449, 13345), (453, 13363), (456, 13381), (457, 13384), (462, 13426), (471, 13459), (493, 13549), (494, 13582), (497, 13699),

Gene: Brilliant_12 Start: 9463, Stop: 11208, Start Num: 75
Candidate Starts for Brilliant_12:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9997), (264, 10123), (277, 10174), (302, 10282), (361, 10576), (373, 10633), (384, 10678), (386, 10687), (387, 10696), (412, 10819), (427, 10897), (428, 10906), (442, 10981), (448, 11017), (453, 11044), (456, 11062), (459, 11086), (471, 11140), (473, 11146), (475, 11158),

Gene: BrownCNA_13 Start: 11727, Stop: 13505, Start Num: 45
Candidate Starts for BrownCNA_13:
(Start: 45 @11727 has 37 MA's), (81, 11793), (125, 11943), (134, 11976), (143, 12006), (167, 12135), (186, 12168), (213, 12264), (244, 12360), (251, 12387), (263, 12414), (264, 12417), (270, 12438), (302, 12585), (329, 12732), (361, 12879), (374, 12939), (377, 12963), (383, 12981), (387, 13002), (392, 13023), (408, 13104), (419, 13152), (428, 13209), (433, 13251), (441, 13278), (444, 13290), (448, 13320), (453, 13347), (458, 13371), (459, 13389), (463, 13413), (471, 13443), (473, 13449),

Gene: Brownie5_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for Brownie5_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: BruhMoment_21 Start: 13658, Stop: 15379, Start Num: 88
Candidate Starts for BruhMoment_21:
(65, 13598), (Start: 88 @13658 has 22 MA's), (222, 14171), (244, 14249), (249, 14264), (318, 14558), (324, 14588), (352, 14684), (353, 14687), (354, 14690), (365, 14759), (391, 14879), (401, 14936), (408, 14963), (415, 14996), (435, 15116), (445, 15170), (449, 15188), (460, 15254), (463, 15272), (471, 15302),

Gene: Buckeye_12 Start: 9759, Stop: 11504, Start Num: 75
Candidate Starts for Buckeye_12:
(Start: 75 @9759 has 297 MA's), (119, 9906), (224, 10293), (264, 10419), (277, 10470), (302, 10578), (361, 10872), (373, 10929), (384, 10974), (386, 10983), (387, 10992), (412, 11115), (427, 11193), (428, 11202), (442, 11277), (448, 11313), (453, 11340), (456, 11358), (459, 11382), (471, 11436), (473, 11442), (475, 11454),

Gene: Burr_11 Start: 9465, Stop: 11210, Start Num: 75

Candidate Starts for Burr_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Busephilis_26 Start: 13734, Stop: 15590, Start Num: 66
Candidate Starts for Busephilis_26:
(Start: 66 @13734 has 55 MA's), (212, 14310), (223, 14355), (230, 14391), (251, 14460), (259, 14481), (261, 14484), (269, 14514), (299, 14634), (313, 14715), (340, 14829), (345, 14856), (381, 15045), (405, 15171), (428, 15285), (429, 15300), (444, 15348), (448, 15378), (450, 15390), (453, 15405), (455, 15420), (463, 15471), (468, 15489), (473, 15507),

Gene: CRB2_15 Start: 12281, Stop: 14131, Start Num: 45
Candidate Starts for CRB2_15:
(23, 12224), (Start: 45 @12281 has 37 MA's), (Start: 88 @12386 has 22 MA's), (213, 12872), (251, 13001), (254, 13010), (264, 13031), (272, 13061), (296, 13151), (302, 13208), (308, 13235), (351, 13433), (354, 13445), (361, 13499), (373, 13556), (386, 13613), (387, 13622), (392, 13643), (408, 13724), (412, 13745), (417, 13763), (441, 13898), (448, 13940), (449, 13949), (453, 13967), (458, 13991), (459, 14009), (463, 14033), (471, 14063), (473, 14069), (475, 14081),

Gene: CaiB_13 Start: 11332, Stop: 13014, Start Num: 68
Candidate Starts for CaiB_13:
(Start: 68 @11332 has 23 MA's), (103, 11419), (112, 11467), (160, 11656), (213, 11767), (221, 11791), (234, 11839), (270, 11929), (304, 12088), (307, 12097), (314, 12145), (329, 12223), (344, 12256), (351, 12304), (361, 12370), (372, 12418), (373, 12427), (374, 12430), (388, 12502), (394, 12520), (402, 12571), (412, 12616), (416, 12628), (419, 12643), (441, 12769), (448, 12811), (452, 12835), (453, 12838), (456, 12856),

Gene: Calamitous_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for Calamitous_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: CamL_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for CamL_12:
(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: CampRoach_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for CampRoach_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: CandC_23 Start: 12598, Stop: 14376, Start Num: 89
Candidate Starts for CandC_23:

(Start: 89 @12598 has 11 MA's), (95, 12610), (163, 12952), (207, 13069), (237, 13195), (273, 13309), (284, 13339), (324, 13552), (349, 13633), (351, 13642), (364, 13720), (366, 13726), (368, 13741), (397, 13885), (405, 13927), (417, 13978), (441, 14125), (443, 14134), (469, 14284), (473, 14296),

Gene: Cannibal_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Cannibal_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Carthage_11 Start: 9429, Stop: 11177, Start Num: 75
Candidate Starts for Carthage_11:
(Start: 75 @9429 has 297 MA's), (119, 9576), (224, 9966), (264, 10092), (277, 10143), (302, 10251), (361, 10545), (373, 10602), (384, 10647), (386, 10656), (387, 10665), (412, 10788), (427, 10866), (428, 10875), (442, 10950), (448, 10986), (453, 11013), (456, 11031), (459, 11055), (471, 11109), (473, 11115), (475, 11127),

Gene: Casbah_13 Start: 10878, Stop: 12893, Start Num: 78
Candidate Starts for Casbah_13:
(Start: 78 @10878 has 57 MA's), (82, 10893), (103, 10971), (112, 11019), (213, 11376), (221, 11400), (277, 11565), (291, 11613), (302, 11685), (316, 11766), (326, 11820), (373, 12039), (374, 12042), (386, 12096), (396, 12144), (408, 12207), (412, 12228), (413, 12231), (448, 12423), (449, 12432), (453, 12450), (456, 12468), (457, 12471), (462, 12513), (471, 12546), (493, 12636), (494, 12669), (497, 12786),

Gene: Casend_26 Start: 14462, Stop: 16294, Start Num: 91
Candidate Starts for Casend_26:
(Start: 91 @14462 has 42 MA's), (95, 14471), (116, 14570), (197, 14936), (237, 15104), (242, 15119), (262, 15179), (273, 15227), (275, 15233), (284, 15257), (307, 15374), (308, 15380), (324, 15473), (349, 15554), (366, 15647), (368, 15662), (376, 15710), (383, 15734), (394, 15782), (397, 15806), (407, 15854), (417, 15896), (440, 16031), (441, 16043), (443, 16052), (453, 16112), (464, 16181), (473, 16214),

Gene: Caspiboi_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Caspiboi_11:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Caterpie_9 Start: 8691, Stop: 10460, Start Num: 78
Candidate Starts for Caterpie_9:
(Start: 33 @8574 has 1 MA's), (Start: 78 @8691 has 57 MA's), (162, 9048), (194, 9123), (202, 9159), (211, 9198), (213, 9213), (223, 9249), (232, 9291), (234, 9297), (267, 9384), (272, 9408), (281, 9438), (346, 9747), (364, 9849), (372, 9885), (373, 9894), (390, 9978), (404, 10038), (408, 10053), (424, 10134), (452, 10293), (455, 10311), (456, 10314), (474, 10404),

Gene: Causa_19 Start: 13260, Stop: 15380, Start Num: 70
Candidate Starts for Causa_19:
(Start: 70 @13260 has 2 MA's), (79, 13275), (195, 13725), (213, 13788), (226, 13824), (254, 13926), (302, 14118), (316, 14199), (348, 14313), (361, 14394), (373, 14451), (387, 14514), (392, 14535), (421, 14679), (441, 14793), (448, 14835), (453, 14862), (459, 14904), (471, 14958), (498, 15210),

Gene: Cepens_9 Start: 10582, Stop: 12645, Start Num: 78
Candidate Starts for Cepens_9:
(Start: 78 @10582 has 57 MA's), (81, 10594), (86, 10621), (103, 10675), (112, 10723), (146, 10828), (Start: 161 @10945 has 1 MA's), (194, 11017), (229, 11152), (234, 11167), (245, 11191), (254, 11221), (271, 11266), (276, 11287), (299, 11395), (302, 11413), (313, 11482), (314, 11488), (341, 11581), (361, 11707), (368, 11740), (373, 11764), (378, 11794), (387, 11830), (394, 11857), (408, 11932), (417, 11971), (423, 12007), (428, 12037), (442, 12112), (452, 12172), (471, 12271), (473, 12277), (489, 12340), (496, 12496), (499, 12547), (500, 12553), (504, 12637),

Gene: ChaChing_14 Start: 11041, Stop: 13056, Start Num: 78
Candidate Starts for ChaChing_14:
(Start: 78 @11041 has 57 MA's), (82, 11056), (103, 11134), (112, 11182), (213, 11539), (221, 11563), (277, 11728), (291, 11776), (302, 11848), (316, 11929), (326, 11983), (373, 12202), (374, 12205), (386, 12259), (396, 12307), (408, 12370), (412, 12391), (413, 12394), (448, 12586), (449, 12595), (453, 12613), (456, 12631), (457, 12634), (462, 12676), (471, 12709), (493, 12799), (494, 12832), (497, 12949),

Gene: ChadMasterC_20 Start: 15249, Stop: 17144, Start Num: 47
Candidate Starts for ChadMasterC_20:
(Start: 47 @15249 has 125 MA's), (116, 15480), (122, 15498), (176, 15753), (226, 15891), (245, 15960), (255, 15993), (309, 16218), (311, 16224), (321, 16287), (323, 16299), (324, 16302), (325, 16314), (351, 16401), (373, 16524), (378, 16560), (408, 16704), (419, 16755), (442, 16899), (443, 16902), (444, 16905), (451, 16953), (460, 17010),

Gene: Chaelin_11 Start: 9418, Stop: 11163, Start Num: 75
Candidate Starts for Chaelin_11:
(Start: 75 @9418 has 297 MA's), (224, 9952), (264, 10078), (277, 10129), (302, 10237), (361, 10531), (373, 10588), (384, 10633), (386, 10642), (387, 10651), (412, 10774), (427, 10852), (428, 10861), (442, 10936), (448, 10972), (453, 10999), (456, 11017), (459, 11041), (471, 11095), (473, 11101), (475, 11113),

Gene: Chah_12 Start: 9755, Stop: 11503, Start Num: 75
Candidate Starts for Chah_12:
(Start: 75 @9755 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Chalmers_14 Start: 11834, Stop: 13849, Start Num: 78
Candidate Starts for Chalmers_14:
(Start: 78 @11834 has 57 MA's), (82, 11849), (103, 11927), (112, 11975), (213, 12332), (221, 12356), (277, 12521), (291, 12569), (302, 12641), (316, 12722), (326, 12776), (373, 12995), (374, 12998), (386, 13052), (396, 13100), (408, 13163), (412, 13184), (413, 13187), (448, 13379), (449, 13388), (453, 13406), (456, 13424), (457, 13427), (462, 13469), (471, 13502), (493, 13592), (494, 13625), (497, 13742),

Gene: Chandler_14 Start: 11788, Stop: 13815, Start Num: 69
Candidate Starts for Chandler_14:
(63, 11776), (Start: 69 @11788 has 6 MA's), (Start: 78 @11800 has 57 MA's), (82, 11815), (103, 11893), (112, 11941), (213, 12298), (221, 12322), (277, 12487), (291, 12535), (302, 12607), (316, 12688), (326, 12742), (373, 12961), (374, 12964), (386, 13018), (396, 13066), (408, 13129), (412, 13150), (413, 13153), (448, 13345), (449, 13354), (453, 13372), (456, 13390), (457, 13393), (462,

13435), (471, 13468), (493, 13558), (494, 13591), (497, 13708),

Gene: Charles1_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Charles1_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: CharlieGBrown_11 Start: 9328, Stop: 11073, Start Num: 75
Candidate Starts for CharlieGBrown_11:
(Start: 75 @9328 has 297 MA's), (224, 9862), (264, 9988), (277, 10039), (302, 10147), (361, 10441), (373, 10498), (384, 10543), (386, 10552), (387, 10561), (412, 10684), (427, 10762), (428, 10771), (442, 10846), (448, 10882), (453, 10909), (456, 10927), (459, 10951), (471, 11005), (473, 11011), (475, 11023),

Gene: CharlottesWeb_11 Start: 9894, Stop: 11576, Start Num: 68
Candidate Starts for CharlottesWeb_11:
(51, 9858), (52, 9861), (Start: 68 @9894 has 23 MA's), (112, 10029), (151, 10143), (164, 10227), (193, 10263), (213, 10323), (270, 10485), (286, 10545), (304, 10644), (312, 10689), (351, 10857), (361, 10923), (373, 10980), (387, 11046), (392, 11067), (394, 11073), (402, 11124), (408, 11148), (412, 11169), (417, 11187), (419, 11196), (428, 11253), (442, 11328), (448, 11364), (451, 11382), (453, 11391),

Gene: Charming_18 Start: 14140, Stop: 16047, Start Num: 47
Candidate Starts for Charming_18:
(Start: 47 @14140 has 125 MA's), (116, 14371), (122, 14389), (176, 14656), (226, 14794), (245, 14863), (255, 14896), (309, 15121), (311, 15127), (321, 15190), (323, 15202), (324, 15205), (325, 15217), (351, 15304), (359, 15358), (373, 15427), (378, 15463), (408, 15607), (419, 15658), (442, 15802), (443, 15805), (444, 15808), (451, 15856), (460, 15913),

Gene: CheetO_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for CheetO_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Chentzyk_13 Start: 10896, Stop: 12911, Start Num: 78
Candidate Starts for Chentzyk_13:
(Start: 69 @10884 has 6 MA's), (Start: 78 @10896 has 57 MA's), (82, 10911), (103, 10989), (112, 11037), (213, 11394), (221, 11418), (277, 11583), (291, 11631), (302, 11703), (316, 11784), (326, 11838), (373, 12057), (374, 12060), (386, 12114), (396, 12162), (408, 12225), (412, 12246), (413, 12249), (448, 12441), (449, 12450), (453, 12468), (456, 12486), (457, 12489), (462, 12531), (471, 12564), (493, 12654), (494, 12687), (497, 12804),

Gene: Cher_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Cher_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: CherryCola_22 Start: 12733, Stop: 14619, Start Num: 47
Candidate Starts for CherryCola_22:
(Start: 47 @12733 has 125 MA's), (118, 12970), (122, 12982), (136, 13036), (180, 13258), (236, 13420), (247, 13453), (311, 13705), (322, 13777), (342, 13834), (345, 13846), (364, 13963), (373, 14008), (374, 14011), (398, 14134), (401, 14146), (416, 14206), (441, 14359), (443, 14368), (454, 14440), (459, 14470), (475, 14542), (480, 14566),

Gene: Chickadee_20 Start: 13744, Stop: 15633, Start Num: 47
Candidate Starts for Chickadee_20:
(43, 13735), (Start: 47 @13744 has 125 MA's), (71, 13810), (116, 13978), (122, 13996), (180, 14269), (217, 14365), (274, 14557), (279, 14572), (298, 14650), (311, 14719), (321, 14782), (323, 14794), (324, 14797), (348, 14881), (351, 14896), (368, 14995), (378, 15049), (398, 15154), (419, 15244), (431, 15325), (441, 15382), (454, 15463), (460, 15499), (475, 15565),

Gene: Childish_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Childish_11:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Chipette_13 Start: 9992, Stop: 11737, Start Num: 75
Candidate Starts for Chipette_13:
(Start: 75 @9992 has 297 MA's), (224, 10526), (264, 10652), (277, 10703), (302, 10811), (361, 11105), (373, 11162), (384, 11207), (386, 11216), (387, 11225), (412, 11348), (427, 11426), (428, 11435), (442, 11510), (448, 11546), (453, 11573), (456, 11591), (459, 11615), (471, 11669), (473, 11675), (475, 11687),

Gene: Chorkpop_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Chorkpop_12:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: ChrisnMich_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for ChrisnMich_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Chuni_12 Start: 9773, Stop: 11518, Start Num: 75
Candidate Starts for Chuni_12:
(Start: 75 @9773 has 297 MA's), (224, 10307), (264, 10433), (277, 10484), (302, 10592), (361, 10886), (373, 10943), (384, 10988), (386, 10997), (387, 11006), (412, 11129), (427, 11207), (428, 11216), (442, 11291), (448, 11327), (453, 11354), (456, 11372), (459, 11396), (471, 11450), (473, 11456), (475, 11468),

Gene: Chunky_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Chunky_12:

(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Chute_12 Start: 9772, Stop: 11517, Start Num: 75
Candidate Starts for Chute_12:
(Start: 75 @9772 has 297 MA's), (224, 10306), (264, 10432), (277, 10483), (302, 10591), (361, 10885), (373, 10942), (384, 10987), (386, 10996), (387, 11005), (412, 11128), (427, 11206), (428, 11215), (442, 11290), (448, 11326), (453, 11353), (456, 11371), (459, 11395), (471, 11449), (473, 11455), (475, 11467),

Gene: Cinna_22 Start: 13276, Stop: 15141, Start Num: 66
Candidate Starts for Cinna_22:
(Start: 66 @13276 has 55 MA's), (152, 13630), (172, 13756), (222, 13894), (230, 13936), (255, 14017), (259, 14026), (276, 14083), (280, 14095), (309, 14227), (312, 14248), (313, 14254), (340, 14368), (357, 14467), (358, 14485), (381, 14584), (384, 14599), (393, 14641), (402, 14695), (405, 14710), (415, 14752), (419, 14767), (421, 14779), (428, 14824), (441, 14887), (445, 14920),

Gene: ClamChowder_21 Start: 12512, Stop: 14410, Start Num: 47
Candidate Starts for ClamChowder_21:
(Start: 47 @12512 has 125 MA's), (118, 12749), (122, 12761), (136, 12815), (236, 13208), (247, 13241), (255, 13265), (311, 13505), (342, 13634), (345, 13646), (364, 13763), (373, 13808), (374, 13811), (387, 13871), (391, 13889), (398, 13934), (401, 13946), (402, 13949), (407, 13970), (427, 14069), (432, 14108), (443, 14168), (454, 14240), (459, 14270), (463, 14294), (470, 14321), (471, 14324), (476, 14351),

Gene: Clawz_44 Start: 23098, Stop: 24915, Start Num: 57
Candidate Starts for Clawz_44:
(41, 23038), (55, 23092), (Start: 57 @23098 has 7 MA's), (Start: 91 @23191 has 42 MA's), (205, 23647), (213, 23680), (218, 23692), (226, 23716), (258, 23812), (260, 23815), (274, 23872), (309, 24025), (311, 24031), (314, 24058), (323, 24100), (345, 24154), (383, 24358), (384, 24361), (393, 24403), (394, 24406), (402, 24457), (403, 24460), (416, 24514), (419, 24529), (424, 24562), (428, 24586), (449, 24727), (473, 24847), (475, 24859),

Gene: ClearAsMud_29 Start: 14527, Stop: 16377, Start Num: 66
Candidate Starts for ClearAsMud_29:
(Start: 66 @14527 has 55 MA's), (212, 15103), (223, 15148), (230, 15184), (251, 15253), (259, 15274), (261, 15277), (269, 15307), (299, 15427), (345, 15649), (352, 15694), (381, 15838), (412, 15994), (428, 16078), (444, 16141), (448, 16171), (450, 16183), (453, 16198), (455, 16213), (463, 16264), (468, 16282),

Gene: CloverMinnie_13 Start: 11332, Stop: 13014, Start Num: 68
Candidate Starts for CloverMinnie_13:
(Start: 68 @11332 has 23 MA's), (103, 11419), (112, 11467), (160, 11656), (213, 11767), (221, 11791), (234, 11839), (270, 11929), (304, 12088), (307, 12097), (314, 12145), (329, 12223), (344, 12256), (351, 12304), (361, 12370), (372, 12418), (373, 12427), (374, 12430), (388, 12502), (394, 12520), (402, 12571), (412, 12616), (416, 12628), (419, 12643), (441, 12769), (448, 12811), (452, 12835), (453, 12838), (456, 12856),

Gene: Clown_23 Start: 14522, Stop: 16378, Start Num: 47
Candidate Starts for Clown_23:

(36, 14495), (Start: 47 @14522 has 125 MA's), (50, 14543), (83, 14624), (116, 14756), (122, 14774), (137, 14840), (228, 15146), (247, 15212), (252, 15227), (256, 15239), (311, 15479), (322, 15551), (342, 15608), (345, 15620), (351, 15659), (364, 15737), (370, 15767), (373, 15782), (398, 15908), (401, 15920), (402, 15923), (427, 16043), (428, 16052), (441, 16133), (450, 16187), (454, 16214), (470, 16295), (471, 16298),

Gene: Cobra_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Cobra_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Coco2012_11 Start: 9894, Stop: 11573, Start Num: 68
Candidate Starts for Coco2012_11:
(51, 9858), (52, 9861), (56, 9870), (Start: 68 @9894 has 23 MA's), (112, 10029), (151, 10143), (164, 10224), (193, 10260), (213, 10320), (270, 10482), (286, 10542), (304, 10641), (312, 10686), (351, 10854), (361, 10920), (373, 10977), (387, 11043), (392, 11064), (394, 11070), (402, 11121), (408, 11145), (412, 11166), (417, 11184), (419, 11193), (428, 11250), (442, 11325), (448, 11361), (451, 11379), (453, 11388),

Gene: Coffee_15 Start: 12528, Stop: 14555, Start Num: 73
Candidate Starts for Coffee_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12747), (146, 12774), (158, 12861), (213, 13026), (234, 13098), (277, 13215), (293, 13275), (297, 13293), (302, 13347), (316, 13428), (373, 13701), (374, 13704), (387, 13770), (438, 14028), (448, 14088), (449, 14097), (453, 14115), (458, 14139), (471, 14211), (484, 14259), (495, 14403), (497, 14442), (501, 14499), (502, 14535), (503, 14541),

Gene: Colbert_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Colbert_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: ColdSoup_45 Start: 23180, Stop: 24970, Start Num: 57
Candidate Starts for ColdSoup_45:
(41, 23120), (55, 23174), (Start: 57 @23180 has 7 MA's), (205, 23717), (213, 23750), (218, 23762), (258, 23882), (260, 23885), (274, 23942), (309, 24095), (311, 24101), (314, 24128), (323, 24170), (383, 24428), (384, 24431), (393, 24473), (394, 24476), (403, 24530), (404, 24536), (424, 24632), (427, 24647), (428, 24656), (463, 24881), (473, 24917), (475, 24929), (480, 24953),

Gene: Coldpizza_13 Start: 11760, Stop: 13478, Start Num: 68
Candidate Starts for Coldpizza_13:
(Start: 68 @11760 has 23 MA's), (103, 11841), (112, 11889), (213, 12201), (270, 12363), (302, 12501), (304, 12513), (361, 12795), (373, 12852), (408, 13020), (412, 13041), (417, 13059), (441, 13194), (448, 13236), (453, 13263), (475, 13377), (483, 13407), (491, 13437),

Gene: Coletti_12 Start: 9772, Stop: 11517, Start Num: 75
Candidate Starts for Coletti_12:
(Start: 75 @9772 has 297 MA's), (224, 10306), (264, 10432), (277, 10483), (302, 10591), (361, 10885), (373, 10942), (384, 10987), (386, 10996), (387, 11005), (412, 11128), (427, 11206), (428, 11215),

(442, 11290), (448, 11326), (453, 11353), (456, 11371), (459, 11395), (471, 11449), (473, 11455), (475, 11467),

Gene: Compostia_15 Start: 11459, Stop: 13474, Start Num: 78
Candidate Starts for Compostia_15:
(Start: 69 @11447 has 6 MA's), (Start: 78 @11459 has 57 MA's), (82, 11474), (103, 11552), (112, 11600), (213, 11957), (221, 11981), (277, 12146), (291, 12194), (302, 12266), (316, 12347), (326, 12401), (373, 12620), (374, 12623), (386, 12677), (396, 12725), (408, 12788), (412, 12809), (413, 12812), (448, 13004), (449, 13013), (453, 13031), (456, 13049), (457, 13052), (462, 13094), (471, 13127), (493, 13217), (494, 13250), (497, 13367),

Gene: Cooper_12 Start: 10447, Stop: 12255, Start Num: 45
Candidate Starts for Cooper_12:
(Start: 45 @10447 has 37 MA's), (53, 10477), (81, 10513), (125, 10663), (134, 10696), (143, 10726), (167, 10870), (195, 10924), (213, 10999), (224, 11032), (226, 11041), (244, 11098), (251, 11125), (263, 11152), (264, 11155), (270, 11176), (302, 11323), (306, 11341), (329, 11470), (361, 11617), (374, 11677), (377, 11701), (384, 11722), (387, 11740), (392, 11761), (408, 11842), (419, 11890), (439, 12001), (443, 12025), (448, 12058), (453, 12085), (458, 12109), (459, 12127), (471, 12181), (475, 12199),

Gene: Cornbread_11 Start: 9464, Stop: 11206, Start Num: 75
Candidate Starts for Cornbread_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: Cornobble_11 Start: 9308, Stop: 11050, Start Num: 75
Candidate Starts for Cornobble_11:
(Start: 75 @9308 has 297 MA's), (119, 9455), (224, 9839), (264, 9965), (277, 10016), (302, 10124), (361, 10418), (373, 10475), (384, 10520), (386, 10529), (387, 10538), (412, 10661), (427, 10739), (428, 10748), (442, 10823), (448, 10859), (453, 10886), (456, 10904), (459, 10928), (471, 10982), (473, 10988), (475, 11000),

Gene: Corofin_14 Start: 11051, Stop: 13066, Start Num: 78
Candidate Starts for Corofin_14:
(Start: 78 @11051 has 57 MA's), (82, 11066), (103, 11144), (112, 11192), (213, 11549), (221, 11573), (277, 11738), (291, 11786), (302, 11858), (316, 11939), (326, 11993), (373, 12212), (374, 12215), (386, 12269), (396, 12317), (408, 12380), (412, 12401), (413, 12404), (448, 12596), (449, 12605), (453, 12623), (456, 12641), (457, 12644), (462, 12686), (471, 12719), (493, 12809), (494, 12842), (497, 12959),

Gene: Cosmolli16_11 Start: 9462, Stop: 11207, Start Num: 75
Candidate Starts for Cosmolli16_11:
(Start: 75 @9462 has 297 MA's), (119, 9609), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: CoveyB_21 Start: 12369, Stop: 14255, Start Num: 47
Candidate Starts for CoveyB_21:
(Start: 47 @12369 has 125 MA's), (118, 12606), (122, 12618), (136, 12672), (180, 12894), (236, 13056), (247, 13089), (311, 13341), (322, 13413), (342, 13470), (345, 13482), (364, 13599), (373,

13644), (374, 13647), (398, 13770), (401, 13782), (416, 13842), (441, 13995), (443, 14004), (454, 14076), (459, 14106), (475, 14178), (480, 14202),

Gene: Craff_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Craff_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Cranjis_28 Start: 13958, Stop: 15814, Start Num: 66
Candidate Starts for Cranjis_28:
(Start: 66 @13958 has 55 MA's), (212, 14534), (223, 14579), (230, 14615), (251, 14684), (259, 14705), (261, 14708), (269, 14738), (299, 14858), (313, 14939), (340, 15053), (345, 15080), (381, 15269), (405, 15395), (428, 15509), (429, 15524), (444, 15572), (448, 15602), (450, 15614), (453, 15629), (455, 15644), (463, 15695), (468, 15713), (473, 15731),

Gene: CrazyRich_26 Start: 13768, Stop: 15624, Start Num: 66
Candidate Starts for CrazyRich_26:
(Start: 66 @13768 has 55 MA's), (212, 14344), (223, 14389), (230, 14425), (251, 14494), (259, 14515), (261, 14518), (269, 14548), (299, 14668), (313, 14749), (340, 14863), (345, 14890), (381, 15079), (405, 15205), (428, 15319), (429, 15334), (444, 15382), (448, 15412), (450, 15424), (453, 15439), (455, 15454), (463, 15505), (468, 15523), (473, 15541),

Gene: Cressida_24 Start: 13311, Stop: 15185, Start Num: 66
Candidate Starts for Cressida_24:
(Start: 66 @13311 has 55 MA's), (172, 13797), (191, 13836), (222, 13935), (230, 13977), (255, 14058), (259, 14067), (276, 14124), (280, 14136), (309, 14268), (312, 14289), (313, 14295), (340, 14409), (357, 14508), (358, 14526), (381, 14625), (384, 14640), (393, 14682), (402, 14736), (405, 14751), (415, 14793), (419, 14808), (421, 14820), (428, 14865), (441, 14928), (448, 14970), (454, 15009), (455, 15012), (473, 15099),

Gene: Crisis_28 Start: 13753, Stop: 15609, Start Num: 66
Candidate Starts for Crisis_28:
(Start: 66 @13753 has 55 MA's), (212, 14329), (223, 14374), (230, 14410), (251, 14479), (259, 14500), (261, 14503), (269, 14533), (299, 14653), (313, 14734), (340, 14848), (345, 14875), (381, 15064), (405, 15190), (411, 15214), (428, 15304), (429, 15319), (444, 15367), (448, 15397), (450, 15409), (453, 15424), (455, 15439), (463, 15490), (468, 15508), (473, 15526),

Gene: Crownjwl_12 Start: 9542, Stop: 11287, Start Num: 75
Candidate Starts for Crownjwl_12:
(Start: 75 @9542 has 297 MA's), (119, 9689), (224, 10076), (264, 10202), (277, 10253), (302, 10361), (361, 10655), (373, 10712), (384, 10757), (386, 10766), (387, 10775), (412, 10898), (427, 10976), (428, 10985), (442, 11060), (448, 11096), (453, 11123), (456, 11141), (459, 11165), (471, 11219), (473, 11225), (475, 11237),

Gene: D12_09 Start: 10923, Stop: 12623, Start Num: 161
Candidate Starts for D12_09:
(Start: 161 @10923 has 1 MA's), (194, 10995), (229, 11130), (245, 11169), (254, 11199), (271, 11244), (276, 11265), (299, 11373), (302, 11391), (313, 11460), (314, 11466), (319, 11490), (341, 11559), (368, 11718), (373, 11742), (378, 11772), (387, 11808), (394, 11835), (408, 11910), (417, 11949), (423, 11985), (428, 12015), (442, 12090), (452, 12150), (471, 12249), (473, 12255), (489, 12318), (496, 12474), (499, 12525), (500, 12531), (504, 12615),

Gene: DaddyDaniels_12 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for DaddyDaniels_12:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Daffy_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Daffy_12:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Daisy_14 Start: 11047, Stop: 13062, Start Num: 78
Candidate Starts for Daisy_14:
(Start: 78 @11047 has 57 MA's), (82, 11062), (103, 11140), (112, 11188), (213, 11545), (221, 11569), (277, 11734), (291, 11782), (302, 11854), (316, 11935), (326, 11989), (373, 12208), (374, 12211), (386, 12265), (396, 12313), (408, 12376), (412, 12397), (413, 12400), (448, 12592), (449, 12601), (453, 12619), (456, 12637), (457, 12640), (462, 12682), (471, 12715), (497, 12955),

Gene: Daka_12 Start: 9760, Stop: 11505, Start Num: 75
Candidate Starts for Daka_12:
(Start: 75 @9760 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Danyall_21 Start: 12369, Stop: 14255, Start Num: 47
Candidate Starts for Danyall_21:
(Start: 47 @12369 has 125 MA's), (118, 12606), (122, 12618), (136, 12672), (180, 12894), (236, 13056), (247, 13089), (311, 13341), (322, 13413), (342, 13470), (345, 13482), (364, 13599), (373, 13644), (374, 13647), (398, 13770), (401, 13782), (416, 13842), (441, 13995), (443, 14004), (454, 14076), (459, 14106), (475, 14178), (480, 14202),

Gene: Dati_12 Start: 9461, Stop: 11203, Start Num: 75
Candidate Starts for Dati_12:
(Start: 75 @9461 has 297 MA's), (119, 9608), (224, 9992), (264, 10118), (277, 10169), (302, 10277), (361, 10571), (373, 10628), (384, 10673), (386, 10682), (387, 10691), (412, 10814), (427, 10892), (428, 10901), (442, 10976), (448, 11012), (453, 11039), (456, 11057), (459, 11081), (471, 11135), (473, 11141), (475, 11153),

Gene: Deenasa_14 Start: 11789, Stop: 13804, Start Num: 78
Candidate Starts for Deenasa_14:
(Start: 78 @11789 has 57 MA's), (82, 11804), (103, 11882), (112, 11930), (213, 12287), (221, 12311), (277, 12476), (291, 12524), (302, 12596), (316, 12677), (326, 12731), (373, 12950), (374, 12953), (386, 13007), (396, 13055), (408, 13118), (412, 13139), (413, 13142), (448, 13334), (449, 13343), (453, 13361), (456, 13379), (457, 13382), (462, 13424), (471, 13457), (493, 13547), (494, 13580), (497, 13697),

Gene: DelRivs_11 Start: 9463, Stop: 11208, Start Num: 75
Candidate Starts for DelRivs_11:

(Start: 75 @9463 has 297 MA's), (224, 9997), (264, 10123), (277, 10174), (302, 10282), (361, 10576), (373, 10633), (384, 10678), (386, 10687), (387, 10696), (412, 10819), (427, 10897), (428, 10906), (442, 10981), (448, 11017), (453, 11044), (456, 11062), (459, 11086), (471, 11140), (473, 11146), (475, 11158),

Gene: Delrey21_21 Start: 14990, Stop: 16909, Start Num: 47
Candidate Starts for Delrey21_21:
(Start: 47 @14990 has 125 MA's), (83, 15089), (111, 15206), (115, 15218), (116, 15221), (154, 15395), (187, 15509), (199, 15542), (215, 15608), (219, 15614), (234, 15668), (243, 15692), (253, 15728), (306, 15944), (309, 15962), (311, 15968), (321, 16031), (323, 16043), (324, 16046), (325, 16058), (351, 16148), (356, 16175), (386, 16334), (400, 16412), (409, 16448), (421, 16508), (428, 16553), (441, 16664), (445, 16697), (460, 16781), (463, 16799), (471, 16829),

Gene: Derg_16 Start: 14345, Stop: 16255, Start Num: 47
Candidate Starts for Derg_16:
(Start: 47 @14345 has 125 MA's), (97, 14480), (116, 14576), (176, 14861), (204, 14930), (217, 14978), (226, 15002), (234, 15038), (245, 15071), (252, 15095), (280, 15188), (309, 15329), (311, 15335), (321, 15398), (323, 15410), (324, 15413), (325, 15425), (351, 15512), (373, 15635), (378, 15671), (386, 15704), (398, 15776), (408, 15815), (419, 15866), (442, 16010), (443, 16013), (451, 16064), (460, 16121), (461, 16133), (464, 16142),

Gene: Derpp_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for Derpp_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Devonte_14 Start: 11026, Stop: 13041, Start Num: 78
Candidate Starts for Devonte_14:
(Start: 78 @11026 has 57 MA's), (82, 11041), (103, 11119), (112, 11167), (213, 11524), (221, 11548), (277, 11713), (291, 11761), (302, 11833), (316, 11914), (326, 11968), (373, 12187), (374, 12190), (386, 12244), (396, 12292), (408, 12355), (412, 12376), (413, 12379), (448, 12571), (449, 12580), (453, 12598), (456, 12616), (457, 12619), (462, 12661), (471, 12694), (493, 12784), (494, 12817), (497, 12934),

Gene: Dewdrop_60 Start: 29654, Stop: 31561, Start Num: 61
Candidate Starts for Dewdrop_60:
(8, 29438), (15, 29510), (26, 29543), (27, 29546), (Start: 61 @29654 has 4 MA's), (150, 29993), (174, 30131), (188, 30161), (214, 30269), (226, 30314), (330, 30755), (365, 30929), (371, 30959), (373, 30971), (381, 30998), (393, 31055), (397, 31082), (402, 31109), (409, 31136), (414, 31160), (421, 31202), (425, 31232), (428, 31247), (454, 31391), (471, 31475), (480, 31517),

Gene: Dexdert_21 Start: 14191, Stop: 16077, Start Num: 47
Candidate Starts for Dexdert_21:
(43, 14182), (Start: 47 @14191 has 125 MA's), (71, 14257), (116, 14425), (122, 14443), (180, 14713), (217, 14809), (279, 15016), (298, 15094), (311, 15163), (321, 15226), (323, 15238), (324, 15241), (348, 15325), (351, 15340), (368, 15439), (378, 15493), (398, 15598), (419, 15688), (431, 15769), (441, 15826), (444, 15838), (453, 15895), (454, 15907), (460, 15943), (475, 16009),

Gene: Dice_11 Start: 9463, Stop: 11208, Start Num: 75
Candidate Starts for Dice_11:

(Start: 75 @9463 has 297 MA's), (224, 9997), (264, 10123), (277, 10174), (302, 10282), (361, 10576), (373, 10633), (384, 10678), (386, 10687), (387, 10696), (412, 10819), (427, 10897), (428, 10906), (442, 10981), (448, 11017), (453, 11044), (456, 11062), (459, 11086), (471, 11140), (473, 11146), (475, 11158),

Gene: DigitDog_13 Start: 11366, Stop: 13231, Start Num: 39
Candidate Starts for DigitDog_13:
(Start: 39 @11366 has 3 MA's), (Start: 47 @11390 has 125 MA's), (54, 11423), (81, 11474), (Start: 88 @11498 has 22 MA's), (114, 11603), (145, 11705), (213, 11966), (224, 11999), (244, 12068), (264, 12125), (271, 12152), (302, 12305), (328, 12449), (345, 12488), (361, 12596), (373, 12653), (374, 12656), (384, 12701), (386, 12710), (387, 12719), (402, 12797), (412, 12842), (417, 12863), (428, 12929), (441, 12998), (448, 13040), (452, 13064), (453, 13067), (458, 13091), (459, 13109), (469, 13157),

Gene: Dingo_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Dingo_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Dione_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Dione_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: DirtJuice_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for DirtJuice_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: DoctorFroggo_21 Start: 14990, Stop: 16909, Start Num: 47
Candidate Starts for DoctorFroggo_21:
(Start: 47 @14990 has 125 MA's), (83, 15089), (111, 15206), (115, 15218), (116, 15221), (154, 15395), (187, 15509), (199, 15542), (215, 15608), (219, 15614), (234, 15668), (243, 15692), (253, 15728), (306, 15944), (309, 15962), (311, 15968), (321, 16031), (323, 16043), (324, 16046), (325, 16058), (351, 16148), (356, 16175), (386, 16334), (400, 16412), (409, 16448), (421, 16508), (428, 16553), (441, 16664), (445, 16697), (460, 16781), (463, 16799), (471, 16829),

Gene: Doddsville_12 Start: 9461, Stop: 11203, Start Num: 75
Candidate Starts for Doddsville_12:
(Start: 75 @9461 has 297 MA's), (119, 9608), (224, 9992), (264, 10118), (277, 10169), (302, 10277), (361, 10571), (373, 10628), (384, 10673), (386, 10682), (387, 10691), (412, 10814), (427, 10892), (428, 10901), (442, 10976), (448, 11012), (453, 11039), (456, 11057), (459, 11081), (471, 11135), (473, 11141), (475, 11153),

Gene: DoesntMatter_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for DoesntMatter_12:

(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: DogYard_26 Start: 14304, Stop: 16031, Start Num: 88
Candidate Starts for DogYard_26:
(64, 14241), (Start: 88 @14304 has 22 MA's), (244, 14913), (315, 15201), (318, 15213), (324, 15243), (352, 15339), (353, 15342), (354, 15345), (362, 15405), (397, 15567), (410, 15627), (411, 15633), (415, 15651), (427, 15714), (446, 15825), (463, 15924),

Gene: DolOn_13 Start: 9992, Stop: 11737, Start Num: 75
Candidate Starts for DolOn_13:
(Start: 75 @9992 has 297 MA's), (224, 10526), (264, 10652), (277, 10703), (302, 10811), (361, 11105), (373, 11162), (384, 11207), (386, 11216), (387, 11225), (412, 11348), (427, 11426), (428, 11435), (442, 11510), (448, 11546), (453, 11573), (456, 11591), (459, 11615), (471, 11669), (473, 11675), (475, 11687),

Gene: DonSanchon_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for DonSanchon_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: DonTron_44 Start: 23250, Stop: 25040, Start Num: 57
Candidate Starts for DonTron_44:
(41, 23190), (55, 23244), (Start: 57 @23250 has 7 MA's), (205, 23787), (213, 23820), (218, 23832), (258, 23952), (260, 23955), (274, 24012), (309, 24165), (311, 24171), (314, 24198), (323, 24240), (383, 24498), (384, 24501), (393, 24543), (394, 24546), (403, 24600), (404, 24606), (424, 24702), (427, 24717), (428, 24726), (463, 24951), (473, 24987), (475, 24999), (480, 25023),

Gene: DonaldDuck_24 Start: 13808, Stop: 15640, Start Num: 91
Candidate Starts for DonaldDuck_24:
(Start: 91 @13808 has 42 MA's), (95, 13817), (116, 13916), (197, 14282), (237, 14450), (242, 14465), (262, 14525), (273, 14573), (275, 14579), (284, 14603), (307, 14720), (308, 14726), (324, 14819), (349, 14900), (366, 14993), (368, 15008), (376, 15056), (383, 15080), (394, 15128), (397, 15152), (407, 15200), (417, 15242), (440, 15377), (441, 15389), (443, 15398), (453, 15458), (464, 15527), (473, 15560),

Gene: Donny_13 Start: 11401, Stop: 13248, Start Num: 47
Candidate Starts for Donny_13:
(Start: 39 @11377 has 3 MA's), (Start: 47 @11401 has 125 MA's), (54, 11434), (81, 11485), (Start: 88 @11509 has 22 MA's), (114, 11614), (125, 11644), (128, 11653), (213, 11983), (224, 12016), (244, 12085), (263, 12139), (270, 12163), (271, 12169), (302, 12322), (345, 12505), (361, 12613), (373, 12670), (374, 12673), (384, 12718), (386, 12727), (387, 12736), (391, 12754), (402, 12814), (412, 12859), (417, 12880), (419, 12889), (423, 12916), (428, 12946), (441, 13015), (448, 13057), (452, 13081), (453, 13084), (459, 13126), (469, 13174),

Gene: Dori_10 Start: 8393, Stop: 10276, Start Num: 33
Candidate Starts for Dori_10:
(Start: 33 @8393 has 1 MA's), (42, 8420), (Start: 78 @8510 has 57 MA's), (162, 8867), (194, 8942), (202, 8978), (211, 9017), (213, 9032), (223, 9068), (232, 9110), (234, 9116), (281, 9254), (346, 9563),

(364, 9665), (372, 9701), (373, 9710), (390, 9794), (404, 9854), (408, 9869), (452, 10109), (455, 10127), (456, 10130), (474, 10220),

Gene: DuchessDung_11 Start: 9310, Stop: 11055, Start Num: 75
Candidate Starts for DuchessDung_11:
(Start: 75 @9310 has 297 MA's), (224, 9844), (264, 9970), (277, 10021), (302, 10129), (361, 10423), (373, 10480), (384, 10525), (386, 10534), (387, 10543), (412, 10666), (427, 10744), (428, 10753), (442, 10828), (448, 10864), (453, 10891), (456, 10909), (459, 10933), (471, 10987), (473, 10993), (475, 11005),

Gene: Duggie_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Duggie_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Durga_12 Start: 9771, Stop: 11516, Start Num: 75
Candidate Starts for Durga_12:
(Start: 75 @9771 has 297 MA's), (224, 10305), (264, 10431), (277, 10482), (302, 10590), (361, 10884), (373, 10941), (384, 10986), (386, 10995), (387, 11004), (412, 11127), (427, 11205), (428, 11214), (442, 11289), (448, 11325), (453, 11352), (456, 11370), (459, 11394), (471, 11448), (473, 11454), (475, 11466),

Gene: EMoore_16 Start: 13023, Stop: 14942, Start Num: 47
Candidate Starts for EMoore_16:
(Start: 47 @13023 has 125 MA's), (120, 13263), (192, 13551), (277, 13818), (280, 13827), (285, 13845), (295, 13878), (309, 13992), (311, 13998), (321, 14061), (325, 14088), (351, 14175), (385, 14358), (398, 14433), (401, 14445), (408, 14472), (419, 14523), (428, 14580), (441, 14691), (453, 14760), (454, 14772), (460, 14808), (461, 14820), (463, 14826),

Gene: Eaglehorse_15 Start: 12429, Stop: 14462, Start Num: 73
Candidate Starts for Eaglehorse_15:
(Start: 73 @12429 has 38 MA's), (112, 12573), (121, 12594), (139, 12651), (158, 12765), (213, 12933), (234, 13005), (277, 13122), (293, 13182), (297, 13200), (302, 13254), (316, 13335), (373, 13608), (374, 13611), (387, 13677), (438, 13935), (448, 13995), (449, 14004), (453, 14022), (458, 14046), (471, 14118), (484, 14166), (495, 14310), (497, 14349), (501, 14406), (502, 14442), (503, 14448),

Gene: EarickHC_27 Start: 13679, Stop: 15535, Start Num: 66
Candidate Starts for EarickHC_27:
(Start: 66 @13679 has 55 MA's), (212, 14255), (223, 14300), (230, 14336), (251, 14405), (259, 14426), (261, 14429), (269, 14459), (299, 14579), (313, 14660), (340, 14774), (345, 14801), (381, 14990), (405, 15116), (411, 15140), (428, 15230), (429, 15245), (444, 15293), (448, 15323), (450, 15335), (453, 15350), (455, 15365), (463, 15416), (468, 15434), (473, 15452),

Gene: EastView9101_13 Start: 11404, Stop: 13254, Start Num: 47
Candidate Starts for EastView9101_13:
(Start: 39 @11380 has 3 MA's), (Start: 47 @11404 has 125 MA's), (54, 11437), (81, 11488), (Start: 88 @11512 has 22 MA's), (114, 11617), (121, 11629), (128, 11656), (213, 11989), (224, 12022), (244, 12091), (263, 12145), (270, 12169), (271, 12175), (302, 12328), (345, 12511), (361, 12619), (373, 12676), (374, 12679), (384, 12724), (386, 12733), (387, 12742), (392, 12763), (402, 12820), (412, 12865), (417, 12886), (419, 12895), (428, 12952), (441, 13021), (448, 13063), (452, 13087), (453, 13090), (459, 13132), (469, 13180),

Gene: EdmundFerry_19 Start: 13775, Stop: 15661, Start Num: 47
Candidate Starts for EdmundFerry_19:
(43, 13766), (Start: 47 @13775 has 125 MA's), (71, 13841), (116, 14009), (122, 14027), (180, 14297), (217, 14393), (279, 14600), (298, 14678), (311, 14747), (321, 14810), (323, 14822), (324, 14825), (348, 14909), (351, 14924), (368, 15023), (378, 15077), (398, 15182), (419, 15272), (431, 15353), (441, 15410), (444, 15422), (453, 15479), (454, 15491), (460, 15527), (475, 15593),

Gene: Egi03_19 Start: 11979, Stop: 13871, Start Num: 47
Candidate Starts for Egi03_19:
(Start: 47 @11979 has 125 MA's), (118, 12216), (122, 12228), (136, 12282), (180, 12507), (236, 12669), (247, 12702), (256, 12729), (342, 13095), (345, 13107), (364, 13224), (373, 13269), (374, 13272), (387, 13332), (391, 13350), (398, 13395), (401, 13407), (402, 13410), (427, 13530), (432, 13569), (443, 13629), (454, 13701), (459, 13731), (463, 13755), (470, 13782), (471, 13785), (476, 13812),

Gene: ElvisPhasley_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for ElvisPhasley_12:
(Start: 75 @9758 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: EmGer13_11 Start: 9307, Stop: 11049, Start Num: 75
Candidate Starts for EmGer13_11:
(Start: 75 @9307 has 297 MA's), (119, 9454), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: Emiris_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Emiris_12:
(Start: 75 @9758 has 297 MA's), (119, 9905), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: EmpTee_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for EmpTee_12:
(Start: 75 @9758 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Epah_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for Epah_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Eremos_12 Start: 9751, Stop: 11496, Start Num: 75

Candidate Starts for Eremos_12:
(Start: 75 @9751 has 297 MA's), (224, 10285), (264, 10411), (277, 10462), (302, 10570), (361, 10864), (373, 10921), (384, 10966), (386, 10975), (387, 10984), (412, 11107), (427, 11185), (428, 11194), (442, 11269), (448, 11305), (453, 11332), (456, 11350), (459, 11374), (471, 11428), (473, 11434), (475, 11446),

Gene: Etaye_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Etaye_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Eugenia_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Eugenia_12:
(Start: 75 @9758 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Evaa_12 Start: 11135, Stop: 12874, Start Num: 68
Candidate Starts for Evaa_12:
(Start: 68 @11135 has 23 MA's), (103, 11216), (195, 11540), (213, 11609), (226, 11645), (234, 11681), (361, 12218), (373, 12275), (387, 12341), (408, 12443), (412, 12464), (443, 12626), (448, 12659), (453, 12686), (458, 12710), (461, 12746), (473, 12788),

Gene: Evamon_19 Start: 11844, Stop: 13742, Start Num: 47
Candidate Starts for Evamon_19:
(Start: 47 @11844 has 125 MA's), (118, 12081), (122, 12093), (136, 12147), (180, 12378), (236, 12540), (247, 12573), (311, 12837), (342, 12966), (345, 12978), (364, 13095), (373, 13140), (374, 13143), (387, 13203), (391, 13221), (395, 13236), (398, 13266), (401, 13278), (402, 13281), (427, 13401), (432, 13440), (443, 13500), (454, 13572), (459, 13602), (463, 13626), (470, 13653), (471, 13656), (476, 13683),

Gene: EverythinBagel_24 Start: 14211, Stop: 16028, Start Num: 91
Candidate Starts for EverythinBagel_24:
(Start: 91 @14211 has 42 MA's), (95, 14220), (116, 14319), (184, 14637), (237, 14838), (242, 14853), (262, 14913), (273, 14961), (284, 14991), (306, 15105), (307, 15108), (308, 15114), (316, 15168), (324, 15207), (349, 15288), (366, 15381), (368, 15396), (376, 15444), (383, 15468), (394, 15516), (397, 15540), (407, 15588), (417, 15630), (440, 15765), (443, 15786), (450, 15831), (453, 15846), (464, 15915), (473, 15948),

Gene: Fanaw_12 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for Fanaw_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (386, 12742), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: Fang_12 Start: 9758, Stop: 11506, Start Num: 75
Candidate Starts for Fang_12:

(Start: 75 @9758 has 297 MA's), (224, 10295), (264, 10421), (277, 10472), (302, 10580), (361, 10874), (373, 10931), (384, 10976), (386, 10985), (387, 10994), (412, 11117), (427, 11195), (428, 11204), (442, 11279), (448, 11315), (453, 11342), (456, 11360), (459, 11384), (471, 11438), (473, 11444), (475, 11456),

Gene: Faze9_15 Start: 12528, Stop: 14555, Start Num: 73
Candidate Starts for Faze9_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12747), (146, 12774), (158, 12861), (213, 13026), (234, 13098), (277, 13215), (293, 13275), (297, 13293), (302, 13347), (316, 13428), (373, 13701), (374, 13704), (387, 13770), (438, 14028), (448, 14088), (449, 14097), (453, 14115), (458, 14139), (471, 14211), (484, 14259), (495, 14403), (497, 14442), (501, 14499), (502, 14535), (503, 14541),

Gene: FelixTres_13 Start: 11332, Stop: 13014, Start Num: 68
Candidate Starts for FelixTres_13:
(Start: 68 @11332 has 23 MA's), (103, 11419), (112, 11467), (160, 11656), (213, 11767), (221, 11791), (234, 11839), (270, 11929), (304, 12088), (307, 12097), (314, 12145), (329, 12223), (344, 12256), (351, 12304), (361, 12370), (372, 12418), (373, 12427), (374, 12430), (388, 12502), (394, 12520), (402, 12571), (412, 12616), (416, 12628), (419, 12643), (441, 12769), (448, 12811), (452, 12835), (453, 12838), (456, 12856),

Gene: Fireball_20 Start: 11982, Stop: 13874, Start Num: 47
Candidate Starts for Fireball_20:
(Start: 47 @11982 has 125 MA's), (118, 12219), (122, 12231), (136, 12285), (180, 12510), (236, 12672), (247, 12705), (256, 12732), (342, 13098), (345, 13110), (364, 13227), (373, 13272), (374, 13275), (387, 13335), (391, 13353), (398, 13398), (401, 13410), (402, 13413), (427, 13533), (432, 13572), (443, 13632), (454, 13704), (459, 13734), (463, 13758), (470, 13785), (471, 13788), (476, 13815),

Gene: Fireman_27 Start: 13483, Stop: 15504, Start Num: 66
Candidate Starts for Fireman_27:
(Start: 66 @13483 has 55 MA's), (212, 14068), (230, 14149), (238, 14173), (251, 14218), (259, 14239), (299, 14392), (336, 14650), (338, 14722), (345, 14782), (348, 14806), (373, 14944), (379, 14968), (381, 14971), (402, 15082), (428, 15211), (429, 15226), (431, 15235), (441, 15262), (444, 15274), (448, 15304), (453, 15331), (473, 15433),

Gene: Fitzgerald_18 Start: 14566, Stop: 16473, Start Num: 47
Candidate Starts for Fitzgerald_18:
(Start: 47 @14566 has 125 MA's), (116, 14797), (122, 14815), (176, 15082), (226, 15220), (245, 15289), (255, 15322), (309, 15547), (311, 15553), (321, 15616), (323, 15628), (324, 15631), (325, 15643), (351, 15730), (373, 15853), (378, 15889), (408, 16033), (419, 16084), (442, 16228), (443, 16231), (444, 16234), (451, 16282), (460, 16339),

Gene: Fizzles_25 Start: 13768, Stop: 15600, Start Num: 91
Candidate Starts for Fizzles_25:
(Start: 91 @13768 has 42 MA's), (94, 13774), (95, 13777), (130, 13915), (237, 14410), (248, 14449), (255, 14470), (273, 14533), (282, 14557), (284, 14563), (307, 14680), (324, 14779), (343, 14821), (349, 14860), (366, 14953), (368, 14968), (376, 15016), (381, 15031), (394, 15088), (397, 15112), (407, 15160), (415, 15196), (419, 15211), (440, 15337), (441, 15349), (443, 15358), (473, 15520),

Gene: Flake_12 Start: 9774, Stop: 11519, Start Num: 75
Candidate Starts for Flake_12:

(Start: 75 @9774 has 297 MA's), (224, 10308), (264, 10434), (277, 10485), (302, 10593), (361, 10887), (373, 10944), (384, 10989), (386, 10998), (387, 11007), (412, 11130), (427, 11208), (428, 11217), (442, 11292), (448, 11328), (453, 11355), (456, 11373), (459, 11397), (471, 11451), (473, 11457), (475, 11469),

Gene: Flatwoods_21 Start: 14757, Stop: 16682, Start Num: 47
Candidate Starts for Flatwoods_21:
(Start: 47 @14757 has 125 MA's), (97, 14892), (116, 14988), (176, 15288), (204, 15357), (217, 15405), (226, 15429), (234, 15465), (245, 15498), (252, 15522), (280, 15615), (309, 15756), (311, 15762), (321, 15825), (323, 15837), (324, 15840), (325, 15852), (351, 15939), (373, 16062), (378, 16098), (386, 16131), (398, 16203), (408, 16242), (419, 16293), (441, 16431), (442, 16437), (443, 16440), (451, 16491), (460, 16548), (461, 16560), (464, 16569),

Gene: FleetyMac_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for FleetyMac_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: FluffyNinja_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for FluffyNinja_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: ForDig_10 Start: 9865, Stop: 11721, Start Num: 34
Candidate Starts for ForDig_10:
(7, 9730), (18, 9832), (Start: 19 @9835 has 1 MA's), (Start: 34 @9865 has 1 MA's), (Start: 45 @9898 has 37 MA's), (53, 9931), (62, 9952), (140, 10183), (171, 10363), (224, 10510), (250, 10603), (263, 10633), (271, 10663), (272, 10666), (302, 10804), (308, 10831), (361, 11098), (374, 11158), (384, 11203), (387, 11221), (392, 11242), (408, 11323), (419, 11371), (433, 11470), (443, 11506), (444, 11509), (448, 11539), (452, 11563), (453, 11566), (459, 11608), (473, 11668),

Gene: Forrestell_23 Start: 12942, Stop: 14669, Start Num: 88
Candidate Starts for Forrestell_23:
(64, 12879), (Start: 88 @12942 has 22 MA's), (244, 13551), (306, 13779), (315, 13839), (318, 13851), (324, 13881), (352, 13977), (353, 13980), (354, 13983), (362, 14043), (397, 14205), (408, 14256), (410, 14265), (415, 14289), (427, 14352), (441, 14427), (442, 14433), (444, 14439), (445, 14460), (463, 14562),

Gene: Fortunato_12 Start: 11467, Stop: 13248, Start Num: 45
Candidate Starts for Fortunato_12:
(Start: 45 @11467 has 37 MA's), (81, 11533), (125, 11683), (134, 11716), (143, 11746), (167, 11878), (186, 11911), (213, 12007), (244, 12103), (251, 12130), (263, 12157), (264, 12160), (270, 12181), (302, 12328), (329, 12475), (361, 12622), (374, 12682), (377, 12706), (383, 12724), (386, 12736), (387, 12745), (392, 12766), (408, 12847), (418, 12889), (419, 12895), (428, 12952), (433, 12994), (441, 13021), (444, 13033), (448, 13063), (453, 13090), (458, 13114), (459, 13132), (463, 13156), (471, 13186), (473, 13192),

Gene: Fosterous_18 Start: 15029, Stop: 16936, Start Num: 47
Candidate Starts for Fosterous_18:

(Start: 47 @15029 has 125 MA's), (116, 15260), (122, 15278), (176, 15545), (226, 15683), (245, 15752), (255, 15785), (309, 16010), (311, 16016), (321, 16079), (323, 16091), (324, 16094), (325, 16106), (351, 16193), (359, 16247), (373, 16316), (378, 16352), (408, 16496), (419, 16547), (442, 16691), (443, 16694), (444, 16697), (451, 16745), (460, 16802),

Gene: Fozzie_11 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Fozzie_11:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: FrankDeliGuy_22 Start: 13770, Stop: 15602, Start Num: 91
Candidate Starts for FrankDeliGuy_22:
(Start: 91 @13770 has 42 MA's), (95, 13779), (116, 13878), (197, 14244), (237, 14412), (242, 14427), (262, 14487), (273, 14535), (275, 14541), (284, 14565), (306, 14679), (307, 14682), (308, 14688), (324, 14781), (349, 14862), (366, 14955), (368, 14970), (376, 15018), (383, 15042), (394, 15090), (397, 15114), (407, 15162), (417, 15204), (440, 15339), (443, 15360), (453, 15420), (464, 15489), (473, 15522),

Gene: Frankicide_12 Start: 9759, Stop: 11504, Start Num: 75
Candidate Starts for Frankicide_12:
(Start: 75 @9759 has 297 MA's), (119, 9906), (224, 10293), (264, 10419), (277, 10470), (302, 10578), (361, 10872), (373, 10929), (384, 10974), (386, 10983), (387, 10992), (412, 11115), (427, 11193), (428, 11202), (442, 11277), (448, 11313), (453, 11340), (456, 11358), (459, 11382), (471, 11436), (473, 11442), (475, 11454),

Gene: Fransoyer_27 Start: 13833, Stop: 15662, Start Num: 90
Candidate Starts for Fransoyer_27:
(Start: 90 @13833 has 4 MA's), (95, 13845), (126, 13974), (165, 14202), (167, 14220), (214, 14379), (237, 14463), (262, 14541), (273, 14589), (284, 14619), (306, 14733), (324, 14835), (343, 14877), (349, 14916), (351, 14925), (366, 15009), (368, 15024), (394, 15144), (397, 15168), (405, 15210), (407, 15216), (417, 15258), (440, 15393), (443, 15414), (445, 15438), (449, 15456), (453, 15474), (473, 15576),

Gene: Frederick_12 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for Frederick_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (386, 12742), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: Fregley_25 Start: 13171, Stop: 14949, Start Num: 89
Candidate Starts for Fregley_25:
(Start: 89 @13171 has 11 MA's), (95, 13183), (163, 13525), (207, 13642), (237, 13768), (273, 13882), (284, 13912), (324, 14125), (349, 14206), (351, 14215), (364, 14293), (366, 14299), (368, 14314), (397, 14458), (405, 14500), (417, 14551), (441, 14698), (443, 14707), (469, 14857), (473, 14869),

Gene: FremontTroll_11 Start: 9462, Stop: 11207, Start Num: 75
Candidate Starts for FremontTroll_11:

(Start: 75 @9462 has 297 MA's), (119, 9609), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: FrenchFry_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for FrenchFry_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: Fresco_11 Start: 9837, Stop: 11540, Start Num: 68
Candidate Starts for Fresco_11:
(Start: 68 @9837 has 23 MA's), (112, 9972), (164, 10188), (176, 10209), (213, 10284), (231, 10347), (270, 10446), (286, 10506), (304, 10605), (361, 10884), (373, 10941), (387, 11007), (408, 11109), (412, 11130), (417, 11148), (438, 11265), (448, 11325), (453, 11352), (458, 11376), (461, 11412), (471, 11448), (473, 11454), (492, 11529),

Gene: Freya_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Freya_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: FriarPreacher_12 Start: 9760, Stop: 11505, Start Num: 75
Candidate Starts for FriarPreacher_12:
(Start: 75 @9760 has 297 MA's), (119, 9907), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Fringe_12 Start: 9755, Stop: 11503, Start Num: 75
Candidate Starts for Fringe_12:
(Start: 75 @9755 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: FuegoCuervo_23 Start: 14318, Stop: 16225, Start Num: 47
Candidate Starts for FuegoCuervo_23:
(Start: 47 @14318 has 125 MA's), (116, 14549), (122, 14567), (176, 14834), (226, 14972), (245, 15041), (255, 15074), (309, 15299), (311, 15305), (321, 15368), (323, 15380), (324, 15383), (325, 15395), (351, 15482), (373, 15605), (378, 15641), (408, 15785), (419, 15836), (442, 15980), (443, 15983), (444, 15986), (451, 16034), (460, 16091),

Gene: FugateOSU_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for FugateOSU_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Fugax_21 Start: 12512, Stop: 14410, Start Num: 47
Candidate Starts for Fugax_21:
(Start: 47 @12512 has 125 MA's), (118, 12749), (122, 12761), (136, 12815), (236, 13208), (247, 13241), (255, 13265), (311, 13505), (342, 13634), (345, 13646), (364, 13763), (373, 13808), (374, 13811), (387, 13871), (391, 13889), (398, 13934), (401, 13946), (402, 13949), (407, 13970), (427, 14069), (432, 14108), (443, 14168), (454, 14240), (459, 14270), (463, 14294), (470, 14321), (471, 14324), (476, 14351),

Gene: Funsized_17 Start: 13435, Stop: 15306, Start Num: 45
Candidate Starts for Funsized_17:
(Start: 45 @13435 has 37 MA's), (62, 13486), (81, 13519), (134, 13711), (183, 13945), (218, 14068), (221, 14080), (250, 14182), (251, 14185), (254, 14194), (264, 14215), (270, 14236), (271, 14242), (272, 14245), (287, 14296), (302, 14383), (308, 14410), (344, 14560), (361, 14674), (373, 14731), (383, 14776), (387, 14797), (389, 14809), (392, 14818), (408, 14899), (412, 14920), (419, 14947), (431, 15028), (433, 15046), (439, 15058), (441, 15073), (443, 15082), (444, 15085), (448, 15115), (453, 15142), (456, 15160), (458, 15166), (459, 15184), (473, 15244), (475, 15256),

Gene: FuzzBuster_31 Start: 13864, Stop: 15825, Start Num: 30
Candidate Starts for FuzzBuster_31:
(Start: 30 @13864 has 1 MA's), (40, 13891), (Start: 66 @13975 has 55 MA's), (85, 14026), (150, 14296), (214, 14533), (270, 14728), (298, 14842), (350, 15121), (355, 15148), (358, 15175), (363, 15199), (368, 15223), (373, 15247), (374, 15250), (378, 15268), (387, 15307), (402, 15385), (451, 15637), (454, 15658), (476, 15769), (478, 15778),

Gene: GTE6_20 Start: 14261, Stop: 16150, Start Num: 47
Candidate Starts for GTE6_20:
(43, 14252), (Start: 47 @14261 has 125 MA's), (71, 14327), (116, 14495), (122, 14513), (180, 14786), (217, 14882), (279, 15089), (298, 15167), (311, 15236), (321, 15299), (323, 15311), (324, 15314), (348, 15398), (351, 15413), (368, 15512), (378, 15566), (398, 15671), (419, 15761), (431, 15842), (441, 15899), (445, 15932), (454, 15980), (460, 16016), (475, 16082),

Gene: Gadjet_15 Start: 11030, Stop: 13045, Start Num: 78
Candidate Starts for Gadjet_15:
(Start: 78 @11030 has 57 MA's), (82, 11045), (103, 11123), (112, 11171), (213, 11528), (221, 11552), (277, 11717), (291, 11765), (302, 11837), (316, 11918), (326, 11972), (373, 12191), (374, 12194), (386, 12248), (396, 12296), (408, 12359), (412, 12380), (413, 12383), (448, 12575), (449, 12584), (453, 12602), (456, 12620), (457, 12623), (462, 12665), (471, 12698), (497, 12938),

Gene: Gaea_20 Start: 14451, Stop: 16370, Start Num: 47
Candidate Starts for Gaea_20:
(Start: 47 @14451 has 125 MA's), (97, 14586), (116, 14682), (176, 14976), (204, 15045), (217, 15093), (226, 15117), (234, 15153), (245, 15186), (252, 15210), (280, 15303), (309, 15444), (311, 15450), (321, 15513), (323, 15525), (324, 15528), (325, 15540), (351, 15627), (373, 15750), (378, 15786), (386, 15819), (398, 15891), (408, 15930), (419, 15981), (441, 16119), (442, 16125), (443, 16128), (451, 16179), (460, 16236), (461, 16248), (464, 16257),

Gene: Galadriel_22 Start: 14888, Stop: 16786, Start Num: 47
Candidate Starts for Galadriel_22:
(Start: 47 @14888 has 125 MA's), (116, 15119), (122, 15137), (176, 15395), (226, 15533), (245, 15602), (255, 15635), (309, 15860), (311, 15866), (321, 15929), (323, 15941), (324, 15944), (325, 15956), (351, 16043), (373, 16166), (378, 16202), (408, 16346), (419, 16397), (442, 16541), (443, 16544), (444, 16547), (451, 16595), (460, 16652),

Gene: Ganandorf_26 Start: 13815, Stop: 15671, Start Num: 66
Candidate Starts for Ganandorf_26:
(Start: 66 @13815 has 55 MA's), (212, 14391), (223, 14436), (230, 14472), (251, 14541), (259, 14562), (261, 14565), (269, 14595), (299, 14715), (313, 14796), (340, 14910), (345, 14937), (381, 15126), (405, 15252), (428, 15366), (429, 15381), (444, 15429), (448, 15459), (450, 15471), (453, 15486), (455, 15501), (463, 15552), (468, 15570), (473, 15588),

Gene: Gareth_11 Start: 9461, Stop: 11206, Start Num: 75
Candidate Starts for Gareth_11:
(Start: 75 @9461 has 297 MA's), (119, 9608), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: Gazebo_24 Start: 14317, Stop: 16143, Start Num: 91
Candidate Starts for Gazebo_24:
(Start: 91 @14317 has 42 MA's), (95, 14326), (116, 14425), (184, 14752), (237, 14953), (242, 14968), (262, 15028), (273, 15076), (284, 15106), (307, 15223), (308, 15229), (324, 15322), (349, 15403), (366, 15496), (368, 15511), (376, 15559), (383, 15583), (394, 15631), (397, 15655), (407, 15703), (417, 15745), (440, 15880), (443, 15901), (453, 15961), (464, 16030), (473, 16063),

Gene: GeneCoco_12 Start: 9763, Stop: 11508, Start Num: 75
Candidate Starts for GeneCoco_12:
(Start: 75 @9763 has 297 MA's), (224, 10297), (264, 10423), (277, 10474), (302, 10582), (361, 10876), (373, 10933), (384, 10978), (386, 10987), (387, 10996), (412, 11119), (427, 11197), (428, 11206), (442, 11281), (448, 11317), (453, 11344), (456, 11362), (459, 11386), (471, 11440), (473, 11446), (475, 11458),

Gene: Geodirt_19 Start: 15093, Stop: 17003, Start Num: 47
Candidate Starts for Geodirt_19:
(Start: 47 @15093 has 125 MA's), (116, 15324), (122, 15342), (176, 15612), (226, 15750), (245, 15819), (255, 15852), (309, 16077), (311, 16083), (321, 16146), (323, 16158), (324, 16161), (325, 16173), (351, 16260), (359, 16314), (373, 16383), (378, 16419), (408, 16563), (419, 16614), (442, 16758), (443, 16761), (444, 16764), (451, 16812), (460, 16869),

Gene: Germa_28 Start: 13644, Stop: 15500, Start Num: 66
Candidate Starts for Germa_28:
(Start: 66 @13644 has 55 MA's), (212, 14220), (223, 14265), (230, 14301), (251, 14370), (259, 14391), (261, 14394), (269, 14424), (299, 14544), (313, 14625), (340, 14739), (345, 14766), (381, 14955), (405, 15081), (428, 15195), (429, 15210), (444, 15258), (448, 15288), (450, 15300), (453, 15315), (455, 15330), (463, 15381), (468, 15399), (473, 15417),

Gene: Gervas_14 Start: 11009, Stop: 13024, Start Num: 78
Candidate Starts for Gervas_14:
(Start: 69 @10997 has 6 MA's), (Start: 78 @11009 has 57 MA's), (82, 11024), (103, 11102), (112, 11150), (213, 11507), (221, 11531), (277, 11696), (291, 11744), (302, 11816), (316, 11897), (326, 11951), (373, 12170), (374, 12173), (386, 12227), (396, 12275), (408, 12338), (412, 12359), (413, 12362), (448, 12554), (449, 12563), (453, 12581), (456, 12599), (457, 12602), (462, 12644), (471, 12677), (497, 12917),

Gene: Gezellig_19 Start: 11982, Stop: 13874, Start Num: 47
Candidate Starts for Gezellig_19:

(Start: 47 @11982 has 125 MA's), (118, 12219), (122, 12231), (136, 12285), (180, 12510), (236, 12672), (247, 12705), (256, 12732), (342, 13098), (345, 13110), (364, 13227), (373, 13272), (374, 13275), (387, 13335), (391, 13353), (398, 13398), (401, 13410), (402, 13413), (427, 13533), (432, 13572), (443, 13632), (454, 13704), (459, 13734), (463, 13758), (470, 13785), (471, 13788), (476, 13815),

Gene: GinPorsche_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for GinPorsche_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Gina_28 Start: 13149, Stop: 15167, Start Num: 66
Candidate Starts for Gina_28:
(Start: 66 @13149 has 55 MA's), (168, 13617), (212, 13731), (222, 13770), (230, 13812), (238, 13836), (251, 13881), (259, 13902), (261, 13905), (265, 13920), (279, 13974), (299, 14055), (311, 14115), (332, 14259), (334, 14277), (345, 14445), (348, 14469), (373, 14607), (381, 14634), (402, 14745), (428, 14874), (429, 14889), (441, 14925), (444, 14937), (448, 14967), (453, 14994), (473, 15096),

Gene: Giraffe_12 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Giraffe_12:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Glass_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for Glass_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: GlenHope_15 Start: 11016, Stop: 13031, Start Num: 78
Candidate Starts for GlenHope_15:
(Start: 69 @11004 has 6 MA's), (Start: 78 @11016 has 57 MA's), (82, 11031), (103, 11109), (112, 11157), (213, 11514), (221, 11538), (277, 11703), (291, 11751), (302, 11823), (316, 11904), (326, 11958), (373, 12177), (374, 12180), (386, 12234), (396, 12282), (408, 12345), (412, 12366), (413, 12369), (448, 12561), (449, 12570), (453, 12588), (456, 12606), (457, 12609), (462, 12651), (471, 12684), (493, 12774), (494, 12807), (497, 12924),

Gene: Glorp_28 Start: 13816, Stop: 15672, Start Num: 66
Candidate Starts for Glorp_28:
(Start: 66 @13816 has 55 MA's), (212, 14392), (223, 14437), (230, 14473), (251, 14542), (259, 14563), (261, 14566), (269, 14596), (299, 14716), (313, 14797), (340, 14911), (345, 14938), (381, 15127), (428, 15367), (429, 15382), (444, 15430), (448, 15460), (450, 15472), (453, 15487), (455, 15502), (463, 15553), (468, 15571), (473, 15589),

Gene: Glubnar_14 Start: 11030, Stop: 13045, Start Num: 78
Candidate Starts for Glubnar_14:

(Start: 78 @11030 has 57 MA's), (82, 11045), (103, 11123), (112, 11171), (213, 11528), (221, 11552), (277, 11717), (291, 11765), (302, 11837), (316, 11918), (326, 11972), (373, 12191), (374, 12194), (386, 12248), (396, 12296), (408, 12359), (412, 12380), (413, 12383), (448, 12575), (449, 12584), (453, 12602), (456, 12620), (457, 12623), (462, 12665), (471, 12698), (493, 12788), (494, 12821), (497, 12938),

Gene: GodPhather_10 Start: 10840, Stop: 12903, Start Num: 78
Candidate Starts for GodPhather_10:
(Start: 78 @10840 has 57 MA's), (81, 10852), (86, 10879), (103, 10933), (112, 10981), (146, 11086), (Start: 161 @11203 has 1 MA's), (194, 11275), (229, 11410), (234, 11425), (245, 11449), (254, 11479), (271, 11524), (276, 11545), (299, 11653), (302, 11671), (313, 11740), (314, 11746), (341, 11839), (373, 12022), (378, 12052), (387, 12088), (394, 12115), (417, 12229), (428, 12295), (442, 12370), (452, 12430), (471, 12529), (473, 12535), (489, 12598), (496, 12754), (499, 12805), (500, 12811), (504, 12895),

Gene: Godines_15 Start: 12411, Stop: 14441, Start Num: 73
Candidate Starts for Godines_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (158, 12744), (213, 12912), (234, 12984), (277, 13101), (293, 13161), (297, 13179), (302, 13233), (316, 13314), (373, 13587), (374, 13590), (387, 13656), (438, 13914), (448, 13974), (449, 13983), (453, 14001), (458, 14025), (471, 14097), (484, 14145), (495, 14289), (497, 14328), (501, 14385), (502, 14421), (503, 14427),

Gene: Gophee_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Gophee_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Grand2040_11 Start: 9462, Stop: 11207, Start Num: 75
Candidate Starts for Grand2040_11:
(Start: 75 @9462 has 297 MA's), (119, 9609), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: Grassboy_26 Start: 14484, Stop: 16316, Start Num: 91
Candidate Starts for Grassboy_26:
(Start: 91 @14484 has 42 MA's), (95, 14493), (116, 14592), (184, 14925), (237, 15126), (242, 15141), (262, 15201), (273, 15249), (284, 15279), (307, 15396), (308, 15402), (324, 15495), (349, 15576), (366, 15669), (368, 15684), (376, 15732), (383, 15756), (394, 15804), (397, 15828), (407, 15876), (417, 15918), (440, 16053), (443, 16074), (450, 16119), (453, 16134), (464, 16203), (473, 16236),

Gene: GreenChile_12 Start: 9759, Stop: 11504, Start Num: 75
Candidate Starts for GreenChile_12:
(Start: 75 @9759 has 297 MA's), (119, 9906), (224, 10293), (264, 10419), (277, 10470), (302, 10578), (361, 10872), (373, 10929), (384, 10974), (386, 10983), (387, 10992), (412, 11115), (427, 11193), (428, 11202), (442, 11277), (448, 11313), (453, 11340), (456, 11358), (459, 11382), (471, 11436), (473, 11442), (475, 11454),

Gene: Grumio_44 Start: 22682, Stop: 24478, Start Num: 55
Candidate Starts for Grumio_44:

(41, 22628), (55, 22682), (Start: 57 @22688 has 7 MA's), (205, 23225), (213, 23258), (218, 23270), (258, 23390), (260, 23393), (274, 23450), (309, 23603), (311, 23609), (314, 23636), (323, 23678), (383, 23936), (384, 23939), (393, 23981), (394, 23984), (403, 24038), (404, 24044), (424, 24140), (427, 24155), (428, 24164), (463, 24389), (473, 24425), (475, 24437), (480, 24461),

Gene: Gustavo_20 Start: 14562, Stop: 16469, Start Num: 47
Candidate Starts for Gustavo_20:
(Start: 47 @14562 has 125 MA's), (97, 14697), (116, 14793), (176, 15075), (204, 15144), (217, 15192), (226, 15216), (234, 15252), (245, 15285), (252, 15309), (280, 15402), (309, 15543), (311, 15549), (321, 15612), (323, 15624), (324, 15627), (325, 15639), (351, 15726), (373, 15849), (378, 15885), (398, 15990), (408, 16029), (419, 16080), (441, 16218), (442, 16224), (443, 16227), (451, 16278), (460, 16335), (461, 16347), (464, 16356),

Gene: Gwennie1_12 Start: 9775, Stop: 11520, Start Num: 75
Candidate Starts for Gwennie1_12:
(Start: 75 @9775 has 297 MA's), (224, 10309), (264, 10435), (277, 10486), (302, 10594), (361, 10888), (373, 10945), (384, 10990), (386, 10999), (387, 11008), (412, 11131), (427, 11209), (428, 11218), (442, 11293), (448, 11329), (453, 11356), (456, 11374), (459, 11398), (471, 11452), (473, 11458), (475, 11470),

Gene: Gwilliam_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Gwilliam_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Gyarad_0012 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Gyarad_0012:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: HSavage_12 Start: 9759, Stop: 11504, Start Num: 75
Candidate Starts for HSavage_12:
(Start: 75 @9759 has 297 MA's), (119, 9906), (224, 10293), (264, 10419), (277, 10470), (302, 10578), (361, 10872), (373, 10929), (384, 10974), (386, 10983), (387, 10992), (412, 11115), (427, 11193), (428, 11202), (442, 11277), (448, 11313), (453, 11340), (456, 11358), (459, 11382), (471, 11436), (473, 11442), (475, 11454),

Gene: Haimas_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Haimas_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Haleema_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Haleema_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141),

(473, 11147), (475, 11159),

Gene: Halfpint_13 Start: 10851, Stop: 12866, Start Num: 78
Candidate Starts for Halfpint_13:
(Start: 69 @10839 has 6 MA's), (Start: 78 @10851 has 57 MA's), (82, 10866), (103, 10944), (112, 10992), (213, 11349), (221, 11373), (277, 11538), (291, 11586), (302, 11658), (316, 11739), (326, 11793), (373, 12012), (374, 12015), (386, 12069), (396, 12117), (408, 12180), (412, 12201), (413, 12204), (448, 12396), (449, 12405), (453, 12423), (456, 12441), (457, 12444), (462, 12486), (471, 12519), (493, 12609), (494, 12642), (497, 12759),

Gene: Hally898_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for Hally898_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Halo3_20 Start: 12297, Stop: 14195, Start Num: 47
Candidate Starts for Halo3_20:
(Start: 47 @12297 has 125 MA's), (118, 12534), (122, 12546), (136, 12600), (236, 12993), (247, 13026), (311, 13290), (342, 13419), (345, 13431), (350, 13467), (364, 13548), (373, 13593), (374, 13596), (387, 13656), (398, 13719), (401, 13731), (402, 13734), (432, 13893), (443, 13953), (454, 14025), (459, 14055), (463, 14079), (470, 14106), (471, 14109),

Gene: Hamish_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Hamish_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Hangman_12 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for Hangman_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: Hans_23 Start: 15322, Stop: 17238, Start Num: 47
Candidate Starts for Hans_23:
(Start: 47 @15322 has 125 MA's), (110, 15523), (141, 15646), (176, 15814), (204, 15880), (226, 15937), (277, 16114), (280, 16123), (295, 16174), (298, 16225), (309, 16288), (311, 16294), (321, 16357), (325, 16384), (351, 16471), (356, 16498), (385, 16654), (398, 16729), (402, 16744), (408, 16768), (415, 16801), (419, 16819), (428, 16876), (441, 16987), (453, 17056), (454, 17068), (460, 17104), (475, 17170),

Gene: Happabalu_12 Start: 9460, Stop: 11202, Start Num: 75
Candidate Starts for Happabalu_12:
(Start: 75 @9460 has 297 MA's), (119, 9607), (224, 9991), (264, 10117), (277, 10168), (302, 10276), (361, 10570), (373, 10627), (384, 10672), (386, 10681), (387, 10690), (412, 10813), (427, 10891), (428, 10900), (442, 10975), (448, 11011), (453, 11038), (456, 11056), (459, 11080), (471, 11134),

(473, 11140), (475, 11152),

Gene: Hartsy_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Hartsy_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Harvey_12 Start: 9758, Stop: 11506, Start Num: 75
Candidate Starts for Harvey_12:
(Start: 75 @9758 has 297 MA's), (224, 10295), (264, 10421), (277, 10472), (302, 10580), (361, 10874), (373, 10931), (384, 10976), (386, 10985), (387, 10994), (412, 11117), (427, 11195), (428, 11204), (442, 11279), (448, 11315), (453, 11342), (456, 11360), (459, 11384), (471, 11438), (473, 11444), (475, 11456),

Gene: HarveySr_14 Start: 11003, Stop: 13018, Start Num: 78
Candidate Starts for HarveySr_14:
(Start: 69 @10991 has 6 MA's), (Start: 78 @11003 has 57 MA's), (82, 11018), (103, 11096), (112, 11144), (213, 11501), (221, 11525), (277, 11690), (291, 11738), (302, 11810), (316, 11891), (326, 11945), (373, 12164), (374, 12167), (386, 12221), (396, 12269), (408, 12332), (412, 12353), (413, 12356), (448, 12548), (449, 12557), (453, 12575), (456, 12593), (457, 12596), (462, 12638), (471, 12671), (493, 12761), (494, 12794), (497, 12911),

Gene: Hashim76_17 Start: 10808, Stop: 12628, Start Num: 47
Candidate Starts for Hashim76_17:
(40, 10784), (Start: 47 @10808 has 125 MA's), (54, 10838), (80, 10880), (103, 10952), (171, 11261), (194, 11294), (208, 11339), (224, 11399), (251, 11495), (263, 11522), (302, 11702), (345, 11885), (351, 11927), (361, 11993), (373, 12050), (374, 12053), (392, 12137), (412, 12239), (416, 12254), (417, 12260), (439, 12380), (441, 12395), (448, 12437), (453, 12464), (458, 12488), (459, 12506), (470, 12557), (471, 12560), (475, 12578),

Gene: Heath_12 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for Heath_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: Heathcliff_14 Start: 10976, Stop: 13003, Start Num: 69
Candidate Starts for Heathcliff_14:
(Start: 69 @10976 has 6 MA's), (Start: 78 @10988 has 57 MA's), (82, 11003), (103, 11081), (112, 11129), (213, 11486), (221, 11510), (277, 11675), (291, 11723), (302, 11795), (316, 11876), (326, 11930), (373, 12149), (374, 12152), (386, 12206), (396, 12254), (408, 12317), (412, 12338), (413, 12341), (448, 12533), (449, 12542), (453, 12560), (456, 12578), (457, 12581), (462, 12623), (471, 12656), (493, 12746), (494, 12779), (497, 12896),

Gene: Hedgerow_15 Start: 12510, Stop: 14540, Start Num: 73
Candidate Starts for Hedgerow_15:
(Start: 73 @12510 has 38 MA's), (112, 12654), (121, 12675), (139, 12732), (158, 12846), (213, 13011), (234, 13083), (277, 13200), (293, 13260), (297, 13278), (302, 13332), (316, 13413), (373, 13686), (374, 13689), (387, 13755), (438, 14013), (448, 14073), (449, 14082), (453, 14100), (458, 14124),

(471, 14196), (484, 14244), (495, 14388), (497, 14427), (501, 14484), (502, 14520), (503, 14526),

Gene: Hekos_11 Start: 9463, Stop: 11208, Start Num: 75
Candidate Starts for Hekos_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9997), (264, 10123), (277, 10174), (302, 10282), (361, 10576), (373, 10633), (384, 10678), (386, 10687), (387, 10696), (412, 10819), (427, 10897), (428, 10906), (442, 10981), (448, 11017), (453, 11044), (456, 11062), (459, 11086), (471, 11140), (473, 11146), (475, 11158),

Gene: Held_12 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Held_12:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Hendrix_57 Start: 29698, Stop: 31632, Start Num: 61
Candidate Starts for Hendrix_57:
(Start: 61 @29698 has 4 MA's), (127, 29935), (188, 30232), (214, 30343), (261, 30505), (292, 30619), (371, 31033), (373, 31045), (381, 31072), (393, 31129), (397, 31156), (402, 31183), (405, 31198), (419, 31264), (480, 31591),

Gene: HenryJackson_11 Start: 9464, Stop: 11212, Start Num: 75
Candidate Starts for HenryJackson_11:
(Start: 75 @9464 has 297 MA's), (224, 10001), (264, 10127), (277, 10178), (302, 10286), (361, 10580), (373, 10637), (384, 10682), (386, 10691), (387, 10700), (412, 10823), (427, 10901), (428, 10910), (442, 10985), (448, 11021), (453, 11048), (456, 11066), (459, 11090), (471, 11144), (473, 11150), (475, 11162),

Gene: Hermeonysus_26 Start: 13684, Stop: 15543, Start Num: 66
Candidate Starts for Hermeonysus_26:
(Start: 66 @13684 has 55 MA's), (212, 14263), (223, 14308), (230, 14344), (251, 14413), (259, 14434), (261, 14437), (269, 14467), (299, 14587), (313, 14668), (340, 14782), (345, 14809), (381, 14998), (405, 15124), (428, 15238), (429, 15253), (444, 15301), (448, 15331), (450, 15343), (453, 15358), (455, 15373), (463, 15424), (468, 15442), (473, 15460),

Gene: Hertubise_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Hertubise_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Hetaeria_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Hetaeria_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: HighStump_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for HighStump_11:

(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Hive_26 Start: 14318, Stop: 16045, Start Num: 88
Candidate Starts for Hive_26:
(64, 14255), (Start: 88 @14318 has 22 MA's), (244, 14927), (315, 15215), (318, 15227), (324, 15257), (352, 15353), (353, 15356), (354, 15359), (362, 15419), (397, 15581), (410, 15641), (411, 15647), (415, 15665), (427, 15728), (446, 15839), (463, 15938),

Gene: Hocus_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Hocus_11:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: HogWash_11 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for HogWash_11:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Holeinone_15 Start: 12410, Stop: 14440, Start Num: 73
Candidate Starts for Holeinone_15:
(Start: 73 @12410 has 38 MA's), (112, 12554), (121, 12575), (139, 12632), (158, 12746), (213, 12911), (234, 12983), (277, 13100), (293, 13160), (297, 13178), (302, 13232), (316, 13313), (373, 13586), (374, 13589), (387, 13655), (438, 13913), (448, 13973), (449, 13982), (453, 14000), (458, 14024), (471, 14096), (484, 14144), (495, 14288), (497, 14327), (501, 14384), (502, 14420), (503, 14426),

Gene: Honeyfin_28 Start: 14000, Stop: 15859, Start Num: 66
Candidate Starts for Honeyfin_28:
(Start: 66 @14000 has 55 MA's), (212, 14579), (223, 14624), (230, 14660), (251, 14729), (259, 14750), (261, 14753), (269, 14783), (299, 14903), (313, 14984), (340, 15098), (345, 15125), (381, 15314), (405, 15440), (428, 15554), (429, 15569), (444, 15617), (448, 15647), (450, 15659), (453, 15674), (455, 15689), (463, 15740), (468, 15758), (473, 15776),

Gene: Horchata_12 Start: 9756, Stop: 11501, Start Num: 75
Candidate Starts for Horchata_12:
(Start: 75 @9756 has 297 MA's), (119, 9903), (224, 10290), (264, 10416), (277, 10467), (302, 10575), (361, 10869), (373, 10926), (384, 10971), (386, 10980), (387, 10989), (412, 11112), (427, 11190), (428, 11199), (442, 11274), (448, 11310), (453, 11337), (456, 11355), (459, 11379), (471, 11433), (473, 11439), (475, 11451),

Gene: Hosp_08 Start: 8037, Stop: 9935, Start Num: 19
Candidate Starts for Hosp_08:
(7, 7932), (18, 8034), (Start: 19 @8037 has 1 MA's), (Start: 34 @8067 has 1 MA's), (Start: 45 @8100 has 37 MA's), (53, 8133), (62, 8154), (140, 8385), (171, 8568), (224, 8715), (250, 8808), (263, 8838), (271, 8868), (302, 9009), (308, 9036), (361, 9303), (374, 9363), (377, 9387), (384, 9408), (392, 9447), (408, 9528), (419, 9576), (431, 9657), (433, 9675), (443, 9711), (444, 9714), (448, 9744), (452, 9768), (453, 9771), (458, 9795), (459, 9813), (473, 9873), (475, 9885), (480, 9909),

Gene: Hydro_12 Start: 11473, Stop: 13251, Start Num: 45
Candidate Starts for Hydro_12:
(Start: 45 @11473 has 37 MA's), (81, 11539), (125, 11689), (134, 11722), (143, 11752), (167, 11881), (186, 11914), (213, 12010), (244, 12106), (251, 12133), (263, 12160), (264, 12163), (270, 12184), (302, 12331), (329, 12478), (361, 12625), (374, 12685), (377, 12709), (383, 12727), (387, 12748), (392, 12769), (408, 12850), (419, 12898), (428, 12955), (433, 12997), (441, 13024), (444, 13036), (448, 13066), (453, 13093), (458, 13117), (459, 13135), (463, 13159), (471, 13189), (473, 13195),

Gene: Hyperion_24 Start: 14277, Stop: 16103, Start Num: 91
Candidate Starts for Hyperion_24:
(Start: 91 @14277 has 42 MA's), (95, 14286), (116, 14385), (184, 14712), (237, 14913), (242, 14928), (262, 14988), (273, 15036), (284, 15066), (307, 15183), (308, 15189), (324, 15282), (349, 15363), (366, 15456), (368, 15471), (376, 15519), (383, 15543), (394, 15591), (397, 15615), (407, 15663), (417, 15705), (440, 15840), (443, 15861), (453, 15921), (464, 15990), (473, 16023),

Gene: ImtiyazSitla_11 Start: 9304, Stop: 11049, Start Num: 75
Candidate Starts for ImtiyazSitla_11:
(Start: 75 @9304 has 297 MA's), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: Imvubu_9 Start: 8752, Stop: 10623, Start Num: 45
Candidate Starts for Imvubu_9:
(3, 8533), (4, 8539), (5, 8542), (6, 8548), (21, 8692), (Start: 45 @8752 has 37 MA's), (62, 8806), (81, 8839), (86, 8866), (Start: 88 @8872 has 22 MA's), (103, 8920), (183, 9274), (251, 9508), (263, 9535), (270, 9559), (271, 9565), (272, 9568), (287, 9619), (302, 9706), (344, 9883), (354, 9943), (361, 9997), (383, 10099), (387, 10120), (428, 10327), (433, 10369), (441, 10396), (443, 10405), (444, 10408), (448, 10438), (453, 10465), (459, 10507), (463, 10531), (471, 10561), (475, 10579),

Gene: Inchworm_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Inchworm_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Indlovu_12 Start: 11120, Stop: 12970, Start Num: 45
Candidate Starts for Indlovu_12:
(Start: 25 @11063 has 1 MA's), (Start: 45 @11120 has 37 MA's), (62, 11174), (Start: 88 @11234 has 22 MA's), (145, 11441), (195, 11651), (213, 11723), (224, 11756), (250, 11849), (263, 11879), (277, 11933), (302, 12050), (307, 12071), (329, 12197), (344, 12230), (361, 12344), (373, 12401), (374, 12404), (383, 12446), (387, 12467), (392, 12488), (408, 12569), (441, 12743), (448, 12785), (449, 12794), (452, 12809), (453, 12812), (456, 12830), (459, 12854), (463, 12878),

Gene: Inspectinfecti_22 Start: 15744, Stop: 17663, Start Num: 47
Candidate Starts for Inspectinfecti_22:
(Start: 47 @15744 has 125 MA's), (110, 15945), (141, 16068), (176, 16239), (199, 16284), (204, 16305), (226, 16362), (277, 16539), (280, 16548), (295, 16599), (298, 16650), (309, 16713), (311, 16719), (321, 16782), (325, 16809), (351, 16896), (356, 16923), (363, 16971), (385, 17079), (398, 17154), (402, 17169), (408, 17193), (415, 17226), (419, 17244), (428, 17301), (441, 17412), (453, 17481), (454, 17493), (460, 17529), (475, 17595),

Gene: Inverness_12 Start: 9759, Stop: 11504, Start Num: 75
Candidate Starts for Inverness_12:
(Start: 75 @9759 has 297 MA's), (119, 9906), (224, 10293), (264, 10419), (277, 10470), (302, 10578), (361, 10872), (373, 10929), (384, 10974), (386, 10983), (387, 10992), (412, 11115), (427, 11193), (428, 11202), (442, 11277), (448, 11313), (453, 11340), (456, 11358), (459, 11382), (471, 11436), (473, 11442), (475, 11454),

Gene: Iridessa_12 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Iridessa_12:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Iridoclysis_12 Start: 9761, Stop: 11506, Start Num: 75
Candidate Starts for Iridoclysis_12:
(Start: 75 @9761 has 297 MA's), (119, 9908), (224, 10295), (264, 10421), (277, 10472), (302, 10580), (361, 10874), (373, 10931), (384, 10976), (386, 10985), (387, 10994), (412, 11117), (427, 11195), (428, 11204), (442, 11279), (448, 11315), (453, 11342), (456, 11360), (459, 11384), (471, 11438), (473, 11444), (475, 11456),

Gene: IsaacEli_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for IsaacEli_12:
(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: ItsyBitsy1_15 Start: 12402, Stop: 14432, Start Num: 73
Candidate Starts for ItsyBitsy1_15:
(Start: 73 @12402 has 38 MA's), (112, 12546), (121, 12567), (139, 12624), (158, 12738), (213, 12903), (234, 12975), (277, 13092), (293, 13152), (297, 13170), (302, 13224), (316, 13305), (373, 13578), (374, 13581), (387, 13647), (438, 13905), (448, 13965), (449, 13974), (453, 13992), (458, 14016), (471, 14088), (484, 14136), (495, 14280), (497, 14319), (501, 14376), (502, 14412), (503, 14418),

Gene: JAMaL_12 Start: 11630, Stop: 13423, Start Num: 45
Candidate Starts for JAMaL_12:
(Start: 45 @11630 has 37 MA's), (53, 11660), (81, 11696), (114, 11825), (125, 11846), (143, 11909), (213, 12170), (226, 12209), (244, 12266), (263, 12320), (264, 12323), (270, 12344), (271, 12350), (272, 12353), (287, 12404), (302, 12491), (351, 12719), (354, 12731), (361, 12785), (374, 12845), (377, 12869), (384, 12890), (387, 12908), (392, 12929), (408, 13010), (419, 13058), (439, 13169), (443, 13193), (448, 13226), (453, 13253), (456, 13271), (458, 13277), (459, 13295), (469, 13343), (471, 13349), (473, 13355), (475, 13367),

Gene: JDog_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for JDog_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: JKSyngboy_19 Start: 15221, Stop: 17128, Start Num: 47

Candidate Starts for JKSyngboy_19:
(Start: 47 @15221 has 125 MA's), (97, 15356), (103, 15389), (116, 15452), (176, 15734), (204, 15803), (217, 15851), (226, 15875), (245, 15944), (252, 15968), (280, 16061), (309, 16202), (311, 16208), (321, 16271), (323, 16283), (324, 16286), (325, 16298), (351, 16385), (373, 16508), (378, 16544), (386, 16577), (398, 16649), (408, 16688), (419, 16739), (442, 16883), (443, 16886), (451, 16937), (460, 16994), (461, 17006), (464, 17015),

Gene: Jabberwocky_18 Start: 15000, Stop: 16907, Start Num: 47
Candidate Starts for Jabberwocky_18:
(Start: 47 @15000 has 125 MA's), (116, 15231), (122, 15249), (176, 15516), (226, 15654), (245, 15723), (255, 15756), (309, 15981), (311, 15987), (321, 16050), (323, 16062), (324, 16065), (325, 16077), (351, 16164), (359, 16218), (373, 16287), (378, 16323), (408, 16467), (419, 16518), (442, 16662), (443, 16665), (444, 16668), (451, 16716), (460, 16773),

Gene: JacAttac_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for JacAttac_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Jackstina_13 Start: 10943, Stop: 12967, Start Num: 78
Candidate Starts for Jackstina_13:
(Start: 78 @10943 has 57 MA's), (82, 10958), (103, 11036), (112, 11084), (177, 11345), (213, 11450), (221, 11474), (277, 11639), (291, 11687), (302, 11759), (316, 11840), (326, 11894), (373, 12113), (374, 12116), (386, 12170), (396, 12218), (408, 12281), (412, 12302), (413, 12305), (448, 12497), (449, 12506), (453, 12524), (456, 12542), (457, 12545), (462, 12587), (471, 12620), (493, 12710), (494, 12743), (497, 12860),

Gene: JaguarMi_13 Start: 11300, Stop: 13078, Start Num: 45
Candidate Starts for JaguarMi_13:
(Start: 45 @11300 has 37 MA's), (81, 11366), (134, 11549), (143, 11579), (167, 11708), (204, 11798), (213, 11837), (226, 11876), (251, 11960), (263, 11987), (264, 11990), (270, 12011), (302, 12158), (329, 12305), (358, 12437), (361, 12452), (374, 12512), (377, 12536), (383, 12554), (387, 12575), (392, 12596), (408, 12677), (419, 12725), (428, 12782), (433, 12824), (441, 12851), (444, 12863), (448, 12893), (449, 12902), (453, 12920), (458, 12944), (459, 12962), (463, 12986), (471, 13016), (473, 13022),

Gene: JakeO_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for JakeO_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Jambalaya_19 Start: 11635, Stop: 13521, Start Num: 47
Candidate Starts for Jambalaya_19:
(Start: 47 @11635 has 125 MA's), (118, 11872), (122, 11884), (136, 11938), (236, 12319), (247, 12352), (256, 12379), (342, 12745), (345, 12757), (364, 12874), (373, 12919), (374, 12922), (387, 12982), (391, 13000), (398, 13045), (401, 13057), (402, 13060), (427, 13180), (432, 13219), (443, 13279), (454, 13351), (459, 13381), (463, 13405), (470, 13432), (471, 13435), (476, 13462),

Gene: JangoPhett_12 Start: 9755, Stop: 11500, Start Num: 75

Candidate Starts for JangoPhett_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Jayden_28 Start: 13519, Stop: 15375, Start Num: 66
Candidate Starts for Jayden_28:
(Start: 66 @13519 has 55 MA's), (117, 13699), (212, 14092), (222, 14131), (223, 14137), (230, 14173), (251, 14242), (259, 14263), (261, 14266), (299, 14416), (345, 14638), (348, 14662), (373, 14800), (381, 14827), (402, 14938), (405, 14953), (428, 15067), (429, 15082), (431, 15091), (441, 15118), (444, 15130), (447, 15157), (448, 15160), (455, 15202),

Gene: Jbug01_12 Start: 9324, Stop: 11069, Start Num: 75
Candidate Starts for Jbug01_12:
(Start: 75 @9324 has 297 MA's), (224, 9858), (264, 9984), (277, 10035), (302, 10143), (361, 10437), (373, 10494), (384, 10539), (386, 10548), (387, 10557), (412, 10680), (427, 10758), (428, 10767), (442, 10842), (448, 10878), (453, 10905), (456, 10923), (459, 10947), (471, 11001), (473, 11007), (475, 11019),

Gene: Jefe_27 Start: 13737, Stop: 15596, Start Num: 66
Candidate Starts for Jefe_27:
(Start: 66 @13737 has 55 MA's), (212, 14316), (223, 14361), (230, 14397), (251, 14466), (259, 14487), (261, 14490), (269, 14520), (299, 14640), (313, 14721), (340, 14835), (345, 14862), (381, 15051), (405, 15177), (428, 15291), (429, 15306), (444, 15354), (448, 15384), (450, 15396), (453, 15411), (455, 15426), (463, 15477), (468, 15495), (473, 15513),

Gene: Jehoshaphat_27 Start: 14727, Stop: 16559, Start Num: 91
Candidate Starts for Jehoshaphat_27:
(Start: 91 @14727 has 42 MA's), (95, 14736), (116, 14835), (197, 15201), (237, 15369), (242, 15384), (262, 15444), (273, 15492), (275, 15498), (284, 15522), (307, 15639), (308, 15645), (324, 15738), (349, 15819), (366, 15912), (368, 15927), (376, 15975), (383, 15999), (394, 16047), (397, 16071), (407, 16119), (417, 16161), (440, 16296), (441, 16308), (443, 16317), (453, 16377), (464, 16446), (473, 16479),

Gene: JellyBelly_11 Start: 9894, Stop: 11576, Start Num: 68
Candidate Starts for JellyBelly_11:
(51, 9858), (52, 9861), (Start: 68 @9894 has 23 MA's), (112, 10029), (151, 10143), (164, 10227), (193, 10263), (213, 10323), (270, 10485), (286, 10545), (304, 10644), (312, 10689), (351, 10857), (361, 10923), (373, 10980), (387, 11046), (392, 11067), (394, 11073), (402, 11124), (408, 11148), (412, 11169), (417, 11187), (419, 11196), (428, 11253), (442, 11328), (448, 11364), (451, 11382), (453, 11391),

Gene: Jeon_9 Start: 10570, Stop: 12633, Start Num: 78
Candidate Starts for Jeon_9:
(Start: 78 @10570 has 57 MA's), (81, 10582), (86, 10609), (103, 10663), (112, 10711), (146, 10816), (Start: 161 @10933 has 1 MA's), (194, 11005), (229, 11140), (234, 11155), (245, 11179), (254, 11209), (271, 11254), (276, 11275), (299, 11383), (302, 11401), (313, 11470), (314, 11476), (341, 11569), (373, 11752), (378, 11782), (387, 11818), (394, 11845), (417, 11959), (428, 12025), (442, 12100), (452, 12160), (471, 12259), (473, 12265), (489, 12328), (496, 12484), (499, 12535), (500, 12541), (504, 12625),

Gene: Jesabah_12 Start: 9465, Stop: 11210, Start Num: 75

Candidate Starts for Jesabah_12:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Jillium_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Jillium_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Jiminy_11 Start: 9312, Stop: 11057, Start Num: 75
Candidate Starts for Jiminy_11:
(Start: 75 @9312 has 297 MA's), (224, 9846), (264, 9972), (277, 10023), (302, 10131), (361, 10425), (373, 10482), (384, 10527), (386, 10536), (387, 10545), (412, 10668), (427, 10746), (428, 10755), (442, 10830), (448, 10866), (453, 10893), (456, 10911), (459, 10935), (471, 10989), (473, 10995), (475, 11007),

Gene: Jiraiya_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Jiraiya_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: JohnLord_10 Start: 8213, Stop: 9979, Start Num: 78
Candidate Starts for JohnLord_10:
(Start: 33 @8096 has 1 MA's), (Start: 78 @8213 has 57 MA's), (162, 8570), (194, 8645), (202, 8681), (211, 8720), (213, 8735), (223, 8771), (232, 8813), (234, 8819), (272, 8927), (281, 8957), (346, 9266), (364, 9368), (372, 9404), (373, 9413), (390, 9497), (404, 9557), (408, 9572), (452, 9812), (455, 9830), (456, 9833), (474, 9923),

Gene: JohnPork_19 Start: 11883, Stop: 13769, Start Num: 47
Candidate Starts for JohnPork_19:
(Start: 47 @11883 has 125 MA's), (118, 12120), (122, 12132), (136, 12186), (236, 12567), (247, 12600), (256, 12627), (342, 12993), (345, 13005), (364, 13122), (373, 13167), (374, 13170), (387, 13230), (391, 13248), (398, 13293), (401, 13305), (402, 13308), (427, 13428), (432, 13467), (443, 13527), (454, 13599), (459, 13629), (463, 13653), (470, 13680), (471, 13683), (476, 13710),

Gene: Jolie1_010 Start: 9835, Stop: 11718, Start Num: 19
Candidate Starts for Jolie1_010:
(7, 9730), (18, 9832), (Start: 19 @9835 has 1 MA's), (Start: 34 @9865 has 1 MA's), (Start: 45 @9898 has 37 MA's), (53, 9931), (62, 9952), (140, 10183), (153, 10270), (171, 10360), (224, 10507), (250, 10600), (263, 10630), (271, 10660), (272, 10663), (302, 10801), (308, 10828), (361, 11095), (374, 11155), (384, 11200), (387, 11218), (392, 11239), (408, 11320), (419, 11368), (433, 11467), (443, 11503), (444, 11506), (448, 11536), (452, 11560), (453, 11563), (459, 11605), (473, 11665),

Gene: Jollipop_27 Start: 14085, Stop: 15941, Start Num: 66
Candidate Starts for Jollipop_27:
(Start: 66 @14085 has 55 MA's), (212, 14661), (223, 14706), (230, 14742), (251, 14811), (259, 14832), (261, 14835), (269, 14865), (299, 14985), (313, 15066), (340, 15180), (345, 15207), (381, 15396),

(405, 15522), (428, 15636), (429, 15651), (444, 15699), (448, 15729), (450, 15741), (453, 15756), (455, 15771), (463, 15822), (468, 15840), (473, 15858),

Gene: Jollymon_44 Start: 23180, Stop: 24970, Start Num: 57
Candidate Starts for Jollymon_44:
(41, 23120), (55, 23174), (Start: 57 @23180 has 7 MA's), (205, 23717), (213, 23750), (218, 23762), (258, 23882), (260, 23885), (274, 23942), (309, 24095), (311, 24101), (314, 24128), (323, 24170), (383, 24428), (384, 24431), (393, 24473), (394, 24476), (403, 24530), (404, 24536), (424, 24632), (427, 24647), (428, 24656), (463, 24881), (473, 24917), (475, 24929), (480, 24953),

Gene: JoyceMaria_12 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for JoyceMaria_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: Judebell_27 Start: 14268, Stop: 16100, Start Num: 91
Candidate Starts for Judebell_27:
(Start: 91 @14268 has 42 MA's), (95, 14277), (116, 14376), (197, 14742), (237, 14910), (242, 14925), (262, 14985), (273, 15033), (275, 15039), (284, 15063), (306, 15177), (307, 15180), (308, 15186), (324, 15279), (349, 15360), (366, 15453), (368, 15468), (376, 15516), (383, 15540), (394, 15588), (397, 15612), (407, 15660), (417, 15702), (440, 15837), (443, 15858), (453, 15918), (464, 15987), (473, 16020),

Gene: KLucky39_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for KLucky39_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Kahve_11 Start: 9464, Stop: 11212, Start Num: 75
Candidate Starts for Kahve_11:
(Start: 75 @9464 has 297 MA's), (224, 10001), (264, 10127), (277, 10178), (302, 10286), (361, 10580), (373, 10637), (384, 10682), (386, 10691), (387, 10700), (412, 10823), (427, 10901), (428, 10910), (442, 10985), (448, 11021), (453, 11048), (456, 11066), (459, 11090), (471, 11144), (473, 11150), (475, 11162),

Gene: KaiHaiDragon_27 Start: 13679, Stop: 15535, Start Num: 66
Candidate Starts for KaiHaiDragon_27:
(Start: 66 @13679 has 55 MA's), (212, 14255), (223, 14300), (230, 14336), (251, 14405), (259, 14426), (261, 14429), (269, 14459), (299, 14579), (313, 14660), (340, 14774), (345, 14801), (381, 14990), (405, 15116), (411, 15140), (428, 15230), (429, 15245), (444, 15293), (448, 15323), (450, 15335), (453, 15350), (455, 15365), (463, 15416), (468, 15434), (473, 15452),

Gene: Kailash_12 Start: 9766, Stop: 11511, Start Num: 75
Candidate Starts for Kailash_12:
(Start: 75 @9766 has 297 MA's), (224, 10300), (264, 10426), (277, 10477), (302, 10585), (361, 10879), (373, 10936), (384, 10981), (386, 10990), (387, 10999), (412, 11122), (427, 11200), (428, 11209), (442, 11284), (448, 11320), (453, 11347), (456, 11365), (459, 11389), (471, 11443), (473, 11449), (475, 11461),

Gene: Kaleb_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for Kaleb_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (146, 12777), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: Kamashten_21 Start: 15684, Stop: 17591, Start Num: 47
Candidate Starts for Kamashten_21:
(Start: 47 @15684 has 125 MA's), (116, 15915), (122, 15933), (176, 16200), (226, 16338), (245, 16407), (255, 16440), (309, 16665), (311, 16671), (321, 16734), (323, 16746), (324, 16749), (325, 16761), (351, 16848), (359, 16902), (373, 16971), (378, 17007), (408, 17151), (419, 17202), (442, 17346), (443, 17349), (444, 17352), (451, 17400), (460, 17457),

Gene: Kamiyu_14 Start: 10985, Stop: 13012, Start Num: 69
Candidate Starts for Kamiyu_14:
(Start: 69 @10985 has 6 MA's), (Start: 78 @10997 has 57 MA's), (82, 11012), (103, 11090), (112, 11138), (213, 11495), (221, 11519), (277, 11684), (291, 11732), (302, 11804), (316, 11885), (326, 11939), (373, 12158), (374, 12161), (386, 12215), (396, 12263), (408, 12326), (412, 12347), (413, 12350), (448, 12542), (449, 12551), (453, 12569), (456, 12587), (457, 12590), (462, 12632), (471, 12665), (493, 12755), (494, 12788), (497, 12905),

Gene: KarasumaRum_14 Start: 11554, Stop: 13395, Start Num: 47
Candidate Starts for KarasumaRum_14:
(Start: 39 @11530 has 3 MA's), (Start: 47 @11554 has 125 MA's), (54, 11587), (Start: 88 @11662 has 22 MA's), (114, 11767), (145, 11869), (213, 12130), (224, 12163), (244, 12232), (264, 12289), (271, 12316), (302, 12469), (306, 12487), (328, 12613), (345, 12652), (361, 12760), (373, 12817), (374, 12820), (384, 12865), (386, 12874), (387, 12883), (402, 12961), (412, 13006), (417, 13027), (428, 13093), (432, 13123), (441, 13162), (448, 13204), (449, 13213), (452, 13228), (453, 13231), (458, 13255), (459, 13273), (469, 13321),

Gene: Karn_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Karn_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Katniss_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Katniss_12:
(Start: 75 @9758 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: KayaCho_10 Start: 9838, Stop: 11730, Start Num: 19
Candidate Starts for KayaCho_10:
(7, 9733), (18, 9835), (Start: 19 @9838 has 1 MA's), (Start: 34 @9868 has 1 MA's), (Start: 45 @9901 has 37 MA's), (53, 9934), (62, 9955), (140, 10186), (171, 10369), (224, 10516), (250, 10609), (263, 10639), (271, 10669), (272, 10672), (302, 10810), (308, 10837), (361, 11104), (374, 11164), (384, 11209), (392, 11248), (408, 11329), (419, 11377), (433, 11476), (443, 11512), (444, 11515), (448,

11545), (452, 11569), (453, 11572), (459, 11614), (473, 11674),

Gene: Keitabear_22 Start: 17233, Stop: 19128, Start Num: 47
Candidate Starts for Keitabear_22:
(Start: 47 @17233 has 125 MA's), (116, 17464), (122, 17482), (176, 17737), (226, 17875), (245, 17944), (255, 17977), (309, 18202), (311, 18208), (323, 18283), (324, 18286), (325, 18298), (342, 18334), (351, 18385), (373, 18508), (378, 18544), (408, 18688), (419, 18739), (442, 18883), (443, 18886), (444, 18889), (451, 18937), (460, 18994), (489, 19111),

Gene: Keitherie_12 Start: 9771, Stop: 11516, Start Num: 75
Candidate Starts for Keitherie_12:
(Start: 75 @9771 has 297 MA's), (224, 10305), (264, 10431), (277, 10482), (302, 10590), (361, 10884), (373, 10941), (384, 10986), (386, 10995), (387, 11004), (412, 11127), (427, 11205), (428, 11214), (442, 11289), (448, 11325), (453, 11352), (456, 11370), (459, 11394), (471, 11448), (473, 11454), (475, 11466),

Gene: Kelcole_23 Start: 13023, Stop: 14801, Start Num: 89
Candidate Starts for Kelcole_23:
(Start: 89 @13023 has 11 MA's), (95, 13035), (163, 13377), (207, 13494), (237, 13620), (273, 13734), (284, 13764), (324, 13977), (349, 14058), (351, 14067), (364, 14145), (366, 14151), (368, 14166), (397, 14310), (405, 14352), (417, 14403), (441, 14550), (443, 14559), (469, 14709), (473, 14721),

Gene: Kewpiedoll_21 Start: 15069, Stop: 16979, Start Num: 47
Candidate Starts for Kewpiedoll_21:
(Start: 47 @15069 has 125 MA's), (116, 15300), (122, 15318), (176, 15588), (226, 15726), (245, 15795), (255, 15828), (309, 16053), (311, 16059), (321, 16122), (323, 16134), (324, 16137), (325, 16149), (351, 16236), (373, 16359), (378, 16395), (408, 16539), (419, 16590), (442, 16734), (443, 16737), (444, 16740), (451, 16788), (460, 16845),

Gene: Khan1_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Khan1_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Kheth_15 Start: 12411, Stop: 14441, Start Num: 73
Candidate Starts for Kheth_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12633), (158, 12747), (213, 12912), (234, 12984), (277, 13101), (293, 13161), (297, 13179), (302, 13233), (316, 13314), (373, 13587), (374, 13590), (387, 13656), (438, 13914), (448, 13974), (449, 13983), (453, 14001), (458, 14025), (471, 14097), (484, 14145), (495, 14289), (497, 14328), (501, 14385), (502, 14421), (503, 14427),

Gene: Kikipoo_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for Kikipoo_12:
(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: KillerQueen_25 Start: 12845, Stop: 14623, Start Num: 89
Candidate Starts for KillerQueen_25:

(Start: 89 @12845 has 11 MA's), (95, 12857), (163, 13199), (207, 13316), (237, 13442), (273, 13556), (284, 13586), (324, 13799), (349, 13880), (351, 13889), (364, 13967), (366, 13973), (368, 13988), (397, 14132), (405, 14174), (417, 14225), (441, 14372), (443, 14381), (469, 14531), (473, 14543),

Gene: Kimbrough_12 Start: 9464, Stop: 11212, Start Num: 75
Candidate Starts for Kimbrough_12:
(Start: 75 @9464 has 297 MA's), (224, 10001), (264, 10127), (277, 10178), (302, 10286), (361, 10580), (373, 10637), (384, 10682), (386, 10691), (387, 10700), (412, 10823), (427, 10901), (428, 10910), (442, 10985), (448, 11021), (453, 11048), (456, 11066), (459, 11090), (471, 11144), (473, 11150), (475, 11162),

Gene: KimmyK_21 Start: 12512, Stop: 14410, Start Num: 47
Candidate Starts for KimmyK_21:
(Start: 47 @12512 has 125 MA's), (118, 12749), (122, 12761), (136, 12815), (236, 13208), (247, 13241), (255, 13265), (311, 13505), (342, 13634), (345, 13646), (364, 13763), (373, 13808), (374, 13811), (387, 13871), (391, 13889), (398, 13934), (401, 13946), (402, 13949), (407, 13970), (427, 14069), (432, 14108), (443, 14168), (454, 14240), (459, 14270), (463, 14294), (470, 14321), (471, 14324), (476, 14351),

Gene: KingTut_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for KingTut_11:
(Start: 75 @9465 has 297 MA's), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: KingVeVeVe_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for KingVeVeVe_12:
(Start: 75 @9758 has 297 MA's), (119, 9905), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: KingstonB_42 Start: 22688, Stop: 24478, Start Num: 57
Candidate Starts for KingstonB_42:
(41, 22628), (55, 22682), (Start: 57 @22688 has 7 MA's), (205, 23225), (213, 23258), (218, 23270), (258, 23390), (260, 23393), (274, 23450), (309, 23603), (311, 23609), (314, 23636), (323, 23678), (383, 23936), (384, 23939), (393, 23981), (394, 23984), (403, 24038), (404, 24044), (424, 24140), (427, 24155), (428, 24164), (463, 24389), (473, 24425), (475, 24437), (480, 24461),

Gene: Kithara_25 Start: 14593, Stop: 16431, Start Num: 59
Candidate Starts for Kithara_25:
(Start: 59 @14593 has 1 MA's), (76, 14623), (129, 14836), (182, 15118), (279, 15439), (303, 15559), (322, 15661), (368, 15850), (389, 15946), (393, 15958), (421, 16096), (428, 16141), (450, 16249), (459, 16306), (460, 16312), (464, 16333),

Gene: Kiwot_11 Start: 9312, Stop: 11057, Start Num: 75
Candidate Starts for Kiwot_11:
(Start: 75 @9312 has 297 MA's), (224, 9846), (264, 9972), (277, 10023), (302, 10131), (361, 10425), (373, 10482), (384, 10527), (386, 10536), (387, 10545), (412, 10668), (427, 10746), (428, 10755), (442, 10830), (448, 10866), (453, 10893), (456, 10911), (459, 10935), (471, 10989), (473, 10995), (475, 11007),

Gene: KlimbOn_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for KlimbOn_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Kloppinator_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Kloppinator_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Knocker_17 Start: 13813, Stop: 15774, Start Num: 12
Candidate Starts for Knocker_17:
(9, 13765), (Start: 12 @13813 has 1 MA's), (21, 13861), (44, 13918), (62, 13966), (86, 14026), (92, 14041), (110, 14113), (143, 14230), (251, 14641), (254, 14650), (264, 14671), (270, 14692), (271, 14698), (302, 14848), (308, 14875), (326, 14977), (329, 14995), (345, 15034), (356, 15103), (358, 15127), (361, 15142), (383, 15244), (392, 15286), (408, 15367), (412, 15388), (419, 15415), (427, 15463), (428, 15472), (431, 15496), (433, 15514), (439, 15526), (441, 15541), (443, 15550), (444, 15553), (448, 15583), (451, 15601), (453, 15610), (456, 15628), (459, 15652), (473, 15712), (475, 15724),

Gene: Kolhan_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for Kolhan_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: Kowalski_26 Start: 13795, Stop: 15651, Start Num: 66
Candidate Starts for Kowalski_26:
(Start: 66 @13795 has 55 MA's), (212, 14371), (223, 14416), (230, 14452), (251, 14521), (259, 14542), (261, 14545), (269, 14575), (299, 14695), (313, 14776), (340, 14890), (345, 14917), (381, 15106), (428, 15346), (429, 15361), (444, 15409), (448, 15439), (450, 15451), (453, 15466), (455, 15481), (463, 15532), (468, 15550), (473, 15568),

Gene: Kozie_23 Start: 13272, Stop: 15131, Start Num: 66
Candidate Starts for Kozie_23:
(Start: 66 @13272 has 55 MA's), (179, 13767), (230, 13923), (259, 14013), (311, 14220), (340, 14355), (352, 14427), (358, 14472), (373, 14544), (378, 14565), (381, 14571), (393, 14628), (402, 14682), (411, 14721), (412, 14727), (421, 14766), (426, 14799), (473, 15045),

Gene: Kronus_13 Start: 11609, Stop: 13624, Start Num: 78
Candidate Starts for Kronus_13:
(Start: 69 @11597 has 6 MA's), (Start: 78 @11609 has 57 MA's), (82, 11624), (103, 11702), (112, 11750), (213, 12107), (221, 12131), (277, 12296), (291, 12344), (302, 12416), (316, 12497), (326, 12551), (373, 12770), (374, 12773), (386, 12827), (396, 12875), (408, 12938), (412, 12959), (413, 12962), (448, 13154), (449, 13163), (453, 13181), (456, 13199), (457, 13202), (462, 13244), (471, 13277), (493, 13367), (494, 13400), (497, 13517),

Gene: Kroos_21 Start: 15314, Stop: 17227, Start Num: 47
Candidate Starts for Kroos_21:
(Start: 47 @15314 has 125 MA's), (97, 15449), (116, 15545), (176, 15833), (204, 15902), (217, 15950), (226, 15974), (234, 16010), (245, 16043), (252, 16067), (280, 16160), (309, 16301), (311, 16307), (321, 16370), (323, 16382), (324, 16385), (325, 16397), (351, 16484), (373, 16607), (378, 16643), (386, 16676), (398, 16748), (408, 16787), (419, 16838), (441, 16976), (442, 16982), (443, 16985), (451, 17036), (460, 17093), (461, 17105), (464, 17114),

Gene: Kubulix_27 Start: 14427, Stop: 16154, Start Num: 88
Candidate Starts for Kubulix_27:
(64, 14364), (Start: 88 @14427 has 22 MA's), (244, 15036), (315, 15324), (318, 15336), (324, 15366), (352, 15462), (353, 15465), (354, 15468), (362, 15528), (397, 15690), (410, 15750), (411, 15756), (415, 15774), (427, 15837), (446, 15948), (463, 16047),

Gene: Kwadwo_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Kwadwo_11:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Kwekel_20 Start: 13711, Stop: 15594, Start Num: 47
Candidate Starts for Kwekel_20:
(43, 13702), (Start: 47 @13711 has 125 MA's), (116, 13945), (122, 13963), (180, 14233), (217, 14329), (279, 14536), (298, 14614), (309, 14677), (311, 14683), (321, 14746), (323, 14758), (324, 14761), (348, 14845), (351, 14860), (378, 15013), (398, 15118), (419, 15208), (431, 15289), (441, 15346), (453, 15415), (454, 15427), (460, 15463), (475, 15529),

Gene: Kwksand96_11 Start: 9310, Stop: 11055, Start Num: 75
Candidate Starts for Kwksand96_11:
(Start: 75 @9310 has 297 MA's), (224, 9844), (264, 9970), (277, 10021), (302, 10129), (361, 10423), (373, 10480), (384, 10525), (386, 10534), (387, 10543), (412, 10666), (427, 10744), (428, 10753), (442, 10828), (448, 10864), (453, 10891), (456, 10909), (459, 10933), (471, 10987), (473, 10993), (475, 11005),

Gene: Kwobi_22 Start: 15290, Stop: 17209, Start Num: 47
Candidate Starts for Kwobi_22:
(Start: 47 @15290 has 125 MA's), (97, 15425), (116, 15521), (176, 15815), (204, 15884), (217, 15932), (226, 15956), (234, 15992), (245, 16025), (252, 16049), (280, 16142), (309, 16283), (311, 16289), (321, 16352), (323, 16364), (324, 16367), (325, 16379), (351, 16466), (373, 16589), (378, 16625), (386, 16658), (398, 16730), (408, 16769), (419, 16820), (441, 16958), (442, 16964), (443, 16967), (451, 17018), (460, 17075), (461, 17087), (464, 17096),

Gene: Kyva_27 Start: 14519, Stop: 16351, Start Num: 91
Candidate Starts for Kyva_27:
(Start: 91 @14519 has 42 MA's), (95, 14528), (116, 14627), (184, 14960), (237, 15161), (242, 15176), (262, 15236), (273, 15284), (284, 15314), (307, 15431), (308, 15437), (324, 15530), (349, 15611), (366, 15704), (368, 15719), (376, 15767), (383, 15791), (394, 15839), (397, 15863), (407, 15911), (417, 15953), (440, 16088), (443, 16109), (450, 16154), (453, 16169), (464, 16238), (473, 16271),

Gene: Labeouficaum_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for Labeouficaum_11:

(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Lambano_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for Lambano_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Lars_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for Lars_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: Larson_13 Start: 9774, Stop: 11519, Start Num: 75
Candidate Starts for Larson_13:
(Start: 75 @9774 has 297 MA's), (224, 10308), (264, 10434), (277, 10485), (302, 10593), (361, 10887), (373, 10944), (384, 10989), (386, 10998), (387, 11007), (412, 11130), (427, 11208), (428, 11217), (442, 11292), (448, 11328), (453, 11355), (456, 11373), (459, 11397), (471, 11451), (473, 11457), (475, 11469),

Gene: LasagnaCat_12 Start: 9766, Stop: 11511, Start Num: 75
Candidate Starts for LasagnaCat_12:
(Start: 75 @9766 has 297 MA's), (224, 10300), (264, 10426), (277, 10477), (302, 10585), (361, 10879), (373, 10936), (384, 10981), (386, 10990), (387, 10999), (412, 11122), (427, 11200), (428, 11209), (442, 11284), (448, 11320), (453, 11347), (456, 11365), (459, 11389), (471, 11443), (473, 11449), (475, 11461),

Gene: Lasso_12 Start: 9757, Stop: 11493, Start Num: 75
Candidate Starts for Lasso_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10282), (264, 10408), (277, 10459), (302, 10567), (361, 10861), (373, 10918), (384, 10963), (386, 10972), (387, 10981), (412, 11104), (427, 11182), (428, 11191), (442, 11266), (448, 11302), (453, 11329), (456, 11347), (459, 11371), (471, 11425), (473, 11431), (475, 11443),

Gene: Laurie_15 Start: 12409, Stop: 14436, Start Num: 73
Candidate Starts for Laurie_15:
(Start: 73 @12409 has 38 MA's), (112, 12553), (121, 12574), (139, 12628), (158, 12742), (213, 12907), (234, 12979), (277, 13096), (293, 13156), (297, 13174), (302, 13228), (316, 13309), (373, 13582), (374, 13585), (387, 13651), (438, 13909), (448, 13969), (449, 13978), (453, 13996), (458, 14020), (471, 14092), (484, 14140), (495, 14284), (497, 14323), (501, 14380), (502, 14416), (503, 14422),

Gene: Leaf_60 Start: 29654, Stop: 31561, Start Num: 61
Candidate Starts for Leaf_60:
(8, 29438), (15, 29510), (26, 29543), (27, 29546), (Start: 61 @29654 has 4 MA's), (150, 29993), (174, 30131), (188, 30161), (214, 30269), (226, 30314), (330, 30755), (365, 30929), (371, 30959), (373, 30971), (381, 30998), (393, 31055), (397, 31082), (402, 31109), (409, 31136), (414, 31160), (421,

31202), (425, 31232), (428, 31247), (454, 31391), (471, 31475), (480, 31517),

Gene: LeeLot_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for LeeLot_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Lego3393_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Lego3393_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Legolas_11 Start: 9465, Stop: 11207, Start Num: 75
Candidate Starts for Legolas_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: Lehmann_12 Start: 9307, Stop: 11052, Start Num: 75
Candidate Starts for Lehmann_12:
(Start: 75 @9307 has 297 MA's), (119, 9454), (224, 9841), (264, 9967), (277, 10018), (302, 10126), (361, 10420), (373, 10477), (384, 10522), (386, 10531), (387, 10540), (412, 10663), (427, 10741), (428, 10750), (442, 10825), (448, 10861), (453, 10888), (456, 10906), (459, 10930), (471, 10984), (473, 10990), (475, 11002),

Gene: LeiMonet_12 Start: 9460, Stop: 11205, Start Num: 75
Candidate Starts for LeiMonet_12:
(Start: 75 @9460 has 297 MA's), (119, 9607), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: LemonSlice_12 Start: 9465, Stop: 11213, Start Num: 75
Candidate Starts for LemonSlice_12:
(Start: 75 @9465 has 297 MA's), (224, 10002), (264, 10128), (277, 10179), (302, 10287), (361, 10581), (373, 10638), (384, 10683), (386, 10692), (387, 10701), (412, 10824), (427, 10902), (428, 10911), (442, 10986), (448, 11022), (453, 11049), (456, 11067), (459, 11091), (471, 11145), (473, 11151), (475, 11163),

Gene: Lennon_22 Start: 16336, Stop: 18231, Start Num: 47
Candidate Starts for Lennon_22:
(Start: 47 @16336 has 125 MA's), (116, 16567), (122, 16585), (176, 16840), (226, 16978), (245, 17047), (255, 17080), (309, 17305), (311, 17311), (321, 17374), (323, 17386), (324, 17389), (325, 17401), (351, 17488), (373, 17611), (378, 17647), (408, 17791), (419, 17842), (442, 17986), (443, 17989), (444, 17992), (451, 18040), (460, 18097), (489, 18214),

Gene: Leonard_21 Start: 15339, Stop: 17258, Start Num: 47
Candidate Starts for Leonard_21:

(Start: 47 @15339 has 125 MA's), (110, 15540), (141, 15663), (176, 15834), (199, 15879), (204, 15900), (226, 15957), (264, 16083), (277, 16134), (280, 16143), (295, 16194), (298, 16245), (309, 16308), (311, 16314), (321, 16377), (325, 16404), (351, 16491), (385, 16674), (398, 16749), (402, 16764), (408, 16788), (415, 16821), (419, 16839), (428, 16896), (441, 17007), (453, 17076), (454, 17088), (460, 17124), (475, 17190),

Gene: Lephleur_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for Lephleur_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: LestyG_14 Start: 11030, Stop: 13045, Start Num: 78
Candidate Starts for LestyG_14:
(Start: 78 @11030 has 57 MA's), (82, 11045), (103, 11123), (112, 11171), (213, 11528), (221, 11552), (277, 11717), (291, 11765), (302, 11837), (316, 11918), (326, 11972), (373, 12191), (374, 12194), (386, 12248), (396, 12296), (408, 12359), (412, 12380), (413, 12383), (448, 12575), (449, 12584), (453, 12602), (456, 12620), (457, 12623), (462, 12665), (471, 12698), (493, 12788), (494, 12821), (497, 12938),

Gene: Ligma_11 Start: 9837, Stop: 11540, Start Num: 68
Candidate Starts for Ligma_11:
(Start: 68 @9837 has 23 MA's), (112, 9972), (164, 10188), (176, 10209), (213, 10284), (231, 10347), (270, 10446), (286, 10506), (304, 10605), (361, 10884), (373, 10941), (387, 11007), (408, 11109), (412, 11130), (417, 11148), (438, 11265), (448, 11325), (453, 11352), (458, 11376), (461, 11412), (471, 11448), (473, 11454), (492, 11529),

Gene: LilCahh_24 Start: 13839, Stop: 15656, Start Num: 91
Candidate Starts for LilCahh_24:
(Start: 91 @13839 has 42 MA's), (95, 13848), (116, 13947), (184, 14265), (237, 14466), (242, 14481), (262, 14541), (273, 14589), (284, 14619), (306, 14733), (307, 14736), (308, 14742), (316, 14796), (324, 14835), (349, 14916), (366, 15009), (368, 15024), (376, 15072), (383, 15096), (394, 15144), (397, 15168), (407, 15216), (417, 15258), (440, 15393), (443, 15414), (450, 15459), (453, 15474), (464, 15543), (473, 15576),

Gene: LilHam_18 Start: 13869, Stop: 15788, Start Num: 47
Candidate Starts for LilHam_18:
(Start: 47 @13869 has 125 MA's), (97, 14004), (116, 14100), (176, 14394), (204, 14463), (217, 14511), (226, 14535), (234, 14571), (245, 14604), (252, 14628), (280, 14721), (309, 14862), (311, 14868), (321, 14931), (323, 14943), (324, 14946), (325, 14958), (351, 15045), (373, 15168), (378, 15204), (386, 15237), (398, 15309), (408, 15348), (419, 15399), (442, 15543), (443, 15546), (451, 15597), (460, 15654), (461, 15666), (464, 15675),

Gene: LilMcDreamy_13 Start: 12145, Stop: 13986, Start Num: 45
Candidate Starts for LilMcDreamy_13:
(Start: 45 @12145 has 37 MA's), (54, 12181), (62, 12199), (81, 12232), (96, 12271), (101, 12298), (170, 12613), (194, 12649), (213, 12724), (224, 12757), (244, 12826), (250, 12850), (251, 12853), (254, 12862), (263, 12880), (270, 12904), (302, 13063), (307, 13084), (345, 13246), (357, 13321), (361, 13354), (373, 13411), (374, 13414), (386, 13465), (387, 13474), (399, 13540), (412, 13597), (428, 13684), (442, 13759), (444, 13765), (448, 13795), (453, 13822), (459, 13864), (463, 13888), (475, 13936),

Gene: LilSmirk_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for LilSmirk_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: Lilbeanie_18 Start: 10655, Stop: 12583, Start Num: 47
Candidate Starts for Lilbeanie_18:
(31, 10613), (Start: 47 @10655 has 125 MA's), (83, 10754), (111, 10871), (116, 10886), (178, 11204), (256, 11441), (271, 11489), (311, 11672), (350, 11846), (368, 11948), (373, 11972), (401, 12107), (418, 12179), (419, 12185), (436, 12287), (437, 12299), (449, 12377), (460, 12443), (463, 12461), (470, 12488),

Gene: LittleDigger_11 Start: 10372, Stop: 12165, Start Num: 45
Candidate Starts for LittleDigger_11:
(Start: 45 @10372 has 37 MA's), (81, 10438), (125, 10588), (134, 10621), (143, 10651), (167, 10783), (186, 10816), (213, 10912), (226, 10951), (244, 11008), (251, 11035), (264, 11065), (270, 11086), (287, 11146), (302, 11233), (329, 11380), (361, 11527), (374, 11587), (377, 11611), (384, 11632), (387, 11650), (392, 11671), (408, 11752), (419, 11800), (428, 11857), (443, 11935), (448, 11968), (453, 11995), (458, 12019), (459, 12037), (463, 12061), (469, 12085), (471, 12091), (473, 12097), (475, 12109),

Gene: LittleFortune_28 Start: 14042, Stop: 15901, Start Num: 66
Candidate Starts for LittleFortune_28:
(Start: 66 @14042 has 55 MA's), (212, 14621), (223, 14666), (230, 14702), (251, 14771), (259, 14792), (261, 14795), (269, 14825), (299, 14945), (313, 15026), (340, 15140), (345, 15167), (381, 15356), (405, 15482), (428, 15596), (429, 15611), (444, 15659), (448, 15689), (453, 15716), (455, 15731), (463, 15782), (468, 15800), (473, 15818),

Gene: LittleMinkey_18 Start: 10995, Stop: 12821, Start Num: 47
Candidate Starts for LittleMinkey_18:
(20, 10929), (22, 10932), (29, 10944), (40, 10971), (Start: 47 @10995 has 125 MA's), (54, 11028), (80, 11070), (84, 11082), (171, 11454), (194, 11487), (224, 11592), (251, 11688), (263, 11715), (302, 11895), (345, 12078), (351, 12120), (361, 12186), (373, 12243), (374, 12246), (392, 12330), (412, 12432), (417, 12453), (428, 12519), (439, 12573), (441, 12588), (448, 12630), (453, 12657), (458, 12681), (459, 12699), (471, 12753), (475, 12771),

Gene: LittleMunchkin_12 Start: 11125, Stop: 12825, Start Num: 68
Candidate Starts for LittleMunchkin_12:
(Start: 68 @11125 has 23 MA's), (112, 11260), (176, 11494), (213, 11569), (226, 11605), (234, 11641), (270, 11731), (286, 11791), (304, 11890), (361, 12169), (373, 12226), (374, 12229), (377, 12253), (387, 12292), (408, 12394), (412, 12415), (417, 12433), (438, 12550), (448, 12610), (453, 12637), (458, 12661), (462, 12700),

Gene: LizLemon_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for LizLemon_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: Llemily_24 Start: 13503, Stop: 15335, Start Num: 91
Candidate Starts for Llemily_24:
(Start: 91 @13503 has 42 MA's), (95, 13512), (116, 13611), (197, 13977), (237, 14145), (242, 14160), (262, 14220), (273, 14268), (275, 14274), (284, 14298), (307, 14415), (308, 14421), (324, 14514), (349, 14595), (366, 14688), (368, 14703), (376, 14751), (383, 14775), (394, 14823), (397, 14847), (407, 14895), (417, 14937), (440, 15072), (441, 15084), (443, 15093), (453, 15153), (464, 15222), (473, 15255),

Gene: Lolalove_12 Start: 11473, Stop: 13251, Start Num: 45
Candidate Starts for Lolalove_12:
(Start: 45 @11473 has 37 MA's), (81, 11539), (125, 11689), (134, 11722), (143, 11752), (167, 11881), (186, 11914), (213, 12010), (244, 12106), (251, 12133), (263, 12160), (264, 12163), (270, 12184), (302, 12331), (329, 12478), (361, 12625), (374, 12685), (377, 12709), (383, 12727), (387, 12748), (392, 12769), (408, 12850), (419, 12898), (428, 12955), (433, 12997), (441, 13024), (444, 13036), (448, 13066), (453, 13093), (458, 13117), (459, 13135), (463, 13159), (471, 13189), (473, 13195),

Gene: Lonelysoil_24 Start: 13748, Stop: 15580, Start Num: 91
Candidate Starts for Lonelysoil_24:
(Start: 91 @13748 has 42 MA's), (95, 13757), (116, 13856), (197, 14222), (237, 14390), (242, 14405), (262, 14465), (273, 14513), (275, 14519), (284, 14543), (307, 14660), (308, 14666), (324, 14759), (349, 14840), (366, 14933), (368, 14948), (376, 14996), (383, 15020), (394, 15068), (397, 15092), (407, 15140), (417, 15182), (440, 15317), (441, 15329), (443, 15338), (453, 15398), (464, 15467), (473, 15500),

Gene: Longacauda_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Longacauda_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Lopsy_11 Start: 9307, Stop: 11049, Start Num: 75
Candidate Starts for Lopsy_11:
(Start: 75 @9307 has 297 MA's), (119, 9454), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: LostAndPhound_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for LostAndPhound_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Love_22 Start: 15199, Stop: 17106, Start Num: 47
Candidate Starts for Love_22:
(Start: 47 @15199 has 125 MA's), (116, 15430), (122, 15448), (176, 15715), (226, 15853), (245, 15922), (255, 15955), (309, 16180), (311, 16186), (321, 16249), (323, 16261), (324, 16264), (325, 16276), (351, 16363), (359, 16417), (373, 16486), (378, 16522), (408, 16666), (419, 16717), (442, 16861), (443, 16864), (444, 16867), (451, 16915), (460, 16972),

Gene: LuckyMarjie_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for LuckyMarjie_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Lucretia_27 Start: 13732, Stop: 15588, Start Num: 66
Candidate Starts for Lucretia_27:
(Start: 66 @13732 has 55 MA's), (212, 14308), (223, 14353), (230, 14389), (251, 14458), (259, 14479), (261, 14482), (269, 14512), (299, 14632), (313, 14713), (340, 14827), (345, 14854), (381, 15043), (405, 15169), (428, 15283), (429, 15298), (444, 15346), (448, 15376), (450, 15388), (453, 15403), (455, 15418), (463, 15469), (468, 15487), (473, 15505),

Gene: Lulumae_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Lulumae_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Lulwa_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Lulwa_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Lumine_11 Start: 9452, Stop: 11197, Start Num: 75
Candidate Starts for Lumine_11:
(Start: 75 @9452 has 297 MA's), (119, 9599), (224, 9986), (264, 10112), (277, 10163), (302, 10271), (361, 10565), (373, 10622), (384, 10667), (386, 10676), (387, 10685), (412, 10808), (427, 10886), (428, 10895), (442, 10970), (448, 11006), (453, 11033), (456, 11051), (459, 11075), (471, 11129), (473, 11135), (475, 11147),

Gene: MRabcd_11 Start: 9461, Stop: 11206, Start Num: 75
Candidate Starts for MRabcd_11:
(Start: 75 @9461 has 297 MA's), (119, 9608), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: Mag7_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for Mag7_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Magic8_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Magic8_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197),

(442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Magpie_12 Start: 11631, Stop: 13409, Start Num: 45
Candidate Starts for Magpie_12:
(Start: 45 @11631 has 37 MA's), (81, 11697), (125, 11847), (134, 11880), (143, 11910), (167, 12039), (213, 12168), (226, 12207), (244, 12264), (251, 12291), (263, 12318), (264, 12321), (270, 12342), (302, 12489), (329, 12636), (361, 12783), (374, 12843), (377, 12867), (383, 12885), (387, 12906), (392, 12927), (408, 13008), (419, 13056), (422, 13074), (428, 13113), (433, 13155), (441, 13182), (444, 13194), (448, 13224), (453, 13251), (458, 13275), (459, 13293), (463, 13317), (471, 13347), (473, 13353),

Gene: Maih_13 Start: 13750, Stop: 15444, Start Num: 106
Candidate Starts for Maih_13:
(Start: 106 @13750 has 12 MA's), (108, 13759), (138, 13861), (157, 13993), (159, 14017), (190, 14113), (210, 14194), (220, 14239), (225, 14248), (231, 14281), (239, 14308), (241, 14311), (259, 14359), (268, 14392), (269, 14395), (279, 14434), (281, 14440), (299, 14518), (305, 14551), (323, 14641), (351, 14731), (361, 14797), (364, 14809), (365, 14812), (387, 14929), (395, 14962), (401, 15004), (425, 15121), (443, 15217), (452, 15274), (462, 15337), (464, 15343), (473, 15376), (477, 15400), (485, 15418), (489, 15433),

Gene: Makar_45 Start: 23158, Stop: 24975, Start Num: 57
Candidate Starts for Makar_45:
(41, 23098), (55, 23152), (Start: 57 @23158 has 7 MA's), (Start: 91 @23251 has 42 MA's), (205, 23707), (213, 23740), (218, 23752), (226, 23776), (258, 23872), (260, 23875), (274, 23932), (309, 24085), (311, 24091), (314, 24118), (323, 24160), (383, 24418), (384, 24421), (393, 24463), (394, 24466), (402, 24517), (403, 24520), (416, 24574), (419, 24589), (424, 24622), (428, 24646), (449, 24787), (473, 24907), (475, 24919),

Gene: MakoManhole_13 Start: 11332, Stop: 13014, Start Num: 68
Candidate Starts for MakoManhole_13:
(Start: 68 @11332 has 23 MA's), (103, 11419), (112, 11467), (160, 11656), (213, 11767), (221, 11791), (234, 11839), (270, 11929), (304, 12088), (307, 12097), (314, 12145), (329, 12223), (344, 12256), (351, 12304), (361, 12370), (372, 12418), (373, 12427), (374, 12430), (388, 12502), (394, 12520), (402, 12571), (412, 12616), (416, 12628), (419, 12643), (441, 12769), (448, 12811), (452, 12835), (453, 12838), (456, 12856),

Gene: Mana_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Mana_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Manad_11 Start: 9308, Stop: 11053, Start Num: 75
Candidate Starts for Manad_11:
(Start: 75 @9308 has 297 MA's), (119, 9455), (224, 9842), (264, 9968), (277, 10019), (302, 10127), (361, 10421), (373, 10478), (384, 10523), (386, 10532), (387, 10541), (412, 10664), (427, 10742), (428, 10751), (442, 10826), (448, 10862), (453, 10889), (456, 10907), (459, 10931), (471, 10985), (473, 10991), (475, 11003),

Gene: Mao1_9 Start: 8906, Stop: 10672, Start Num: 78
Candidate Starts for Mao1_9:

(Start: 33 @8789 has 1 MA's), (42, 8816), (Start: 78 @8906 has 57 MA's), (162, 9263), (194, 9338), (202, 9374), (211, 9413), (213, 9428), (223, 9464), (232, 9506), (234, 9512), (281, 9650), (346, 9959), (364, 10061), (372, 10097), (373, 10106), (390, 10190), (404, 10250), (408, 10265), (452, 10505), (455, 10523), (456, 10526), (474, 10616),

Gene: Marcie_29 Start: 13698, Stop: 15482, Start Num: 89
Candidate Starts for Marcie_29:
(Start: 89 @13698 has 11 MA's), (95, 13710), (163, 14058), (207, 14175), (237, 14301), (262, 14367), (273, 14415), (284, 14445), (324, 14658), (349, 14739), (351, 14748), (364, 14826), (366, 14832), (368, 14847), (397, 14991), (405, 15033), (417, 15084), (441, 15231), (443, 15240), (473, 15402),

Gene: Margaery_22 Start: 13234, Stop: 15096, Start Num: 66
Candidate Starts for Margaery_22:
(32, 13135), (Start: 66 @13234 has 55 MA's), (152, 13588), (212, 13807), (222, 13846), (230, 13888), (259, 13978), (280, 14047), (312, 14200), (340, 14320), (358, 14437), (381, 14536), (384, 14551), (393, 14593), (402, 14647), (412, 14692), (415, 14704), (419, 14719), (421, 14731), (441, 14839), (445, 14872), (455, 14923), (467, 14989),

Gene: Mariokart_11 Start: 9894, Stop: 11576, Start Num: 68
Candidate Starts for Mariokart_11:
(51, 9858), (52, 9861), (56, 9870), (Start: 68 @9894 has 23 MA's), (112, 10029), (151, 10143), (164, 10227), (193, 10263), (213, 10323), (270, 10485), (286, 10545), (304, 10644), (312, 10689), (351, 10857), (361, 10923), (373, 10980), (387, 11046), (392, 11067), (394, 11073), (402, 11124), (408, 11148), (412, 11169), (417, 11187), (419, 11196), (428, 11253), (442, 11328), (448, 11364), (451, 11382), (453, 11391),

Gene: Marley1013_14 Start: 11810, Stop: 13825, Start Num: 78
Candidate Starts for Marley1013_14:
(Start: 78 @11810 has 57 MA's), (82, 11825), (103, 11903), (112, 11951), (213, 12308), (221, 12332), (277, 12497), (291, 12545), (302, 12617), (316, 12698), (326, 12752), (373, 12971), (374, 12974), (386, 13028), (396, 13076), (408, 13139), (412, 13160), (413, 13163), (448, 13355), (449, 13364), (453, 13382), (456, 13400), (457, 13403), (462, 13445), (471, 13478), (497, 13718),

Gene: Marlia_14 Start: 11012, Stop: 13027, Start Num: 78
Candidate Starts for Marlia_14:
(Start: 69 @11000 has 6 MA's), (Start: 78 @11012 has 57 MA's), (82, 11027), (103, 11105), (112, 11153), (213, 11510), (221, 11534), (277, 11699), (291, 11747), (302, 11819), (316, 11900), (326, 11954), (373, 12173), (374, 12176), (386, 12230), (396, 12278), (408, 12341), (412, 12362), (413, 12365), (448, 12557), (449, 12566), (453, 12584), (456, 12602), (457, 12605), (462, 12647), (471, 12680), (493, 12770), (494, 12803), (497, 12920),

Gene: Maru_11 Start: 9462, Stop: 11207, Start Num: 75
Candidate Starts for Maru_11:
(Start: 75 @9462 has 297 MA's), (119, 9609), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: Mashley_23 Start: 14088, Stop: 15914, Start Num: 91
Candidate Starts for Mashley_23:
(Start: 91 @14088 has 42 MA's), (95, 14097), (116, 14196), (184, 14523), (237, 14724), (242, 14739), (262, 14799), (273, 14847), (284, 14877), (307, 14994), (308, 15000), (324, 15093), (349, 15174), (366, 15267), (368, 15282), (376, 15330), (383, 15354), (394, 15402), (397, 15426), (407, 15474),

(417, 15516), (440, 15651), (443, 15672), (453, 15732), (464, 15801), (473, 15834),

Gene: Mask_10 Start: 8907, Stop: 10673, Start Num: 78
Candidate Starts for Mask_10:
(Start: 33 @8790 has 1 MA's), (42, 8817), (Start: 78 @8907 has 57 MA's), (162, 9264), (194, 9339), (202, 9375), (211, 9414), (213, 9429), (223, 9465), (232, 9507), (234, 9513), (281, 9651), (346, 9960), (364, 10062), (372, 10098), (373, 10107), (390, 10191), (404, 10251), (408, 10266), (452, 10506), (455, 10524), (456, 10527), (474, 10617),

Gene: Maskar_11 Start: 9304, Stop: 11049, Start Num: 75
Candidate Starts for Maskar_11:
(Start: 75 @9304 has 297 MA's), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: MasterPo_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for MasterPo_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: Matalotodo_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Matalotodo_12:
(Start: 75 @9758 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Matzah_23 Start: 13253, Stop: 15118, Start Num: 66
Candidate Starts for Matzah_23:
(Start: 66 @13253 has 55 MA's), (152, 13607), (172, 13733), (222, 13871), (230, 13913), (255, 13994), (259, 14003), (276, 14060), (280, 14072), (309, 14204), (312, 14225), (313, 14231), (340, 14345), (357, 14444), (358, 14462), (381, 14561), (384, 14576), (393, 14618), (402, 14672), (405, 14687), (415, 14729), (419, 14744), (421, 14756), (428, 14801), (441, 14864), (445, 14897),

Gene: McCrothy_21 Start: 15065, Stop: 16975, Start Num: 47
Candidate Starts for McCrothy_21:
(Start: 47 @15065 has 125 MA's), (116, 15296), (122, 15314), (176, 15584), (226, 15722), (245, 15791), (255, 15824), (309, 16049), (311, 16055), (321, 16118), (323, 16130), (324, 16133), (325, 16145), (351, 16232), (373, 16355), (378, 16391), (408, 16535), (419, 16586), (442, 16730), (443, 16733), (444, 16736), (451, 16784), (460, 16841),

Gene: McKinley_21 Start: 15222, Stop: 17132, Start Num: 47
Candidate Starts for McKinley_21:
(Start: 47 @15222 has 125 MA's), (116, 15453), (122, 15471), (176, 15741), (226, 15879), (245, 15948), (255, 15981), (309, 16206), (311, 16212), (321, 16275), (323, 16287), (324, 16290), (325, 16302), (351, 16389), (373, 16512), (378, 16548), (408, 16692), (419, 16743), (442, 16887), (443, 16890), (444, 16893), (451, 16941), (460, 16998),

Gene: Mcshane_11 Start: 9464, Stop: 11209, Start Num: 75

Candidate Starts for Mcshane_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Mecca_11 Start: 9461, Stop: 11206, Start Num: 75
Candidate Starts for Mecca_11:
(Start: 75 @9461 has 297 MA's), (119, 9608), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: Megabear_9 Start: 10537, Stop: 12588, Start Num: 78
Candidate Starts for Megabear_9:
(Start: 78 @10537 has 57 MA's), (81, 10549), (86, 10576), (103, 10630), (112, 10678), (146, 10783), (Start: 161 @10888 has 1 MA's), (194, 10960), (229, 11095), (234, 11110), (245, 11134), (254, 11164), (271, 11209), (276, 11230), (299, 11338), (302, 11356), (313, 11425), (314, 11431), (319, 11455), (341, 11524), (361, 11650), (368, 11683), (373, 11707), (378, 11737), (387, 11773), (394, 11800), (408, 11875), (417, 11914), (428, 11980), (442, 12055), (452, 12115), (471, 12214), (473, 12220), (489, 12283), (496, 12439), (499, 12490), (500, 12496), (504, 12580),

Gene: Megamind20_12 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Megamind20_12:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Megan_21 Start: 14855, Stop: 16870, Start Num: 66
Candidate Starts for Megan_21:
(10, 14651), (11, 14660), (17, 14723), (27, 14741), (60, 14843), (Start: 66 @14855 has 55 MA's), (123, 15056), (212, 15434), (223, 15479), (230, 15515), (251, 15584), (259, 15605), (261, 15608), (265, 15623), (299, 15758), (302, 15773), (335, 16007), (337, 16076), (345, 16148), (373, 16310), (374, 16313), (379, 16334), (391, 16388), (402, 16448), (412, 16493), (415, 16505), (426, 16565), (428, 16577), (444, 16640), (448, 16670), (453, 16697), (470, 16790), (471, 16793), (473, 16799), (481, 16838),

Gene: Megatron_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for Megatron_12:
(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: MelBins_22 Start: 15543, Stop: 17459, Start Num: 47
Candidate Starts for MelBins_22:
(Start: 47 @15543 has 125 MA's), (110, 15744), (141, 15867), (176, 16035), (204, 16101), (226, 16158), (277, 16335), (280, 16344), (295, 16395), (298, 16446), (309, 16509), (311, 16515), (321, 16578), (325, 16605), (351, 16692), (385, 16875), (398, 16950), (402, 16965), (408, 16989), (415, 17022), (419, 17040), (428, 17097), (441, 17208), (453, 17277), (454, 17289), (460, 17325), (475, 17391),

Gene: Melc17_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Melc17_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (308, 10600), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: MellowYellow_23 Start: 12969, Stop: 14696, Start Num: 88
Candidate Starts for MellowYellow_23:
(64, 12906), (Start: 88 @12969 has 22 MA's), (244, 13578), (306, 13806), (315, 13866), (318, 13878), (324, 13908), (352, 14004), (353, 14007), (354, 14010), (362, 14070), (397, 14232), (408, 14283), (410, 14292), (415, 14316), (427, 14379), (441, 14454), (442, 14460), (444, 14466), (445, 14487), (463, 14589),

Gene: MelsMeow_11 Start: 9310, Stop: 11055, Start Num: 75
Candidate Starts for MelsMeow_11:
(Start: 75 @9310 has 297 MA's), (224, 9844), (264, 9970), (277, 10021), (302, 10129), (361, 10423), (373, 10480), (384, 10525), (386, 10534), (387, 10543), (412, 10666), (427, 10744), (428, 10753), (442, 10828), (448, 10864), (453, 10891), (456, 10909), (459, 10933), (471, 10987), (473, 10993), (475, 11005),

Gene: MementoMori_23 Start: 12969, Stop: 14840, Start Num: 66
Candidate Starts for MementoMori_23:
(Start: 66 @12969 has 55 MA's), (172, 13452), (213, 13560), (222, 13590), (230, 13632), (255, 13713), (259, 13722), (276, 13779), (280, 13791), (309, 13923), (312, 13944), (313, 13950), (340, 14064), (357, 14163), (358, 14181), (381, 14280), (384, 14295), (393, 14337), (402, 14391), (405, 14406), (415, 14448), (419, 14463), (421, 14475), (428, 14520), (441, 14583), (445, 14616), (473, 14754),

Gene: Mentos_27 Start: 15175, Stop: 17001, Start Num: 91
Candidate Starts for Mentos_27:
(Start: 91 @15175 has 42 MA's), (95, 15184), (116, 15283), (184, 15610), (237, 15811), (242, 15826), (262, 15886), (273, 15934), (284, 15964), (307, 16081), (308, 16087), (324, 16180), (349, 16261), (366, 16354), (368, 16369), (376, 16417), (383, 16441), (394, 16489), (397, 16513), (407, 16561), (417, 16603), (440, 16738), (443, 16759), (453, 16819), (464, 16888), (473, 16921),

Gene: Merry_ Start: 13998, Stop: 15890, Start Num: 48
Candidate Starts for Merry_:
(35, 13962), (38, 13968), (46, 13995), (Start: 48 @13998 has 2 MA's), (Start: 66 @14052 has 55 MA's), (150, 14373), (212, 14610), (223, 14655), (230, 14691), (251, 14760), (259, 14781), (261, 14784), (273, 14835), (283, 14868), (299, 14934), (313, 15015), (345, 15156), (374, 15321), (381, 15345), (405, 15471), (428, 15585), (429, 15600), (441, 15636), (444, 15648), (448, 15678), (450, 15690), (453, 15705), (477, 15831),

Gene: Mesh1_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Mesh1_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Mesmerelda_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Mesmerelda_11:

(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Metamorphoo_27 Start: 13469, Stop: 15490, Start Num: 66
Candidate Starts for Metamorphoo_27:
(Start: 66 @13469 has 55 MA's), (212, 14054), (230, 14135), (238, 14159), (251, 14204), (259, 14225), (261, 14228), (299, 14378), (333, 14588), (336, 14636), (338, 14708), (345, 14768), (348, 14792), (373, 14930), (379, 14954), (381, 14957), (402, 15068), (428, 15197), (429, 15212), (431, 15221), (441, 15248), (444, 15260), (448, 15290), (453, 15317), (468, 15401), (473, 15419),

Gene: MichaelPhcott_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for MichaelPhcott_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Mikota_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Mikota_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Mila11_27 Start: 15055, Stop: 16887, Start Num: 91
Candidate Starts for Mila11_27:
(Start: 91 @15055 has 42 MA's), (95, 15064), (116, 15163), (197, 15529), (237, 15697), (242, 15712), (262, 15772), (273, 15820), (275, 15826), (284, 15850), (306, 15964), (307, 15967), (308, 15973), (324, 16066), (349, 16147), (366, 16240), (368, 16255), (376, 16303), (383, 16327), (394, 16375), (397, 16399), (407, 16447), (417, 16489), (440, 16624), (441, 16636), (443, 16645), (453, 16705), (464, 16774), (473, 16807),

Gene: MiniBoss_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for MiniBoss_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Minnow_11 Start: 9901, Stop: 11736, Start Num: 45
Candidate Starts for Minnow_11:
(7, 9733), (18, 9835), (Start: 19 @9838 has 1 MA's), (Start: 34 @9868 has 1 MA's), (Start: 45 @9901 has 37 MA's), (53, 9934), (62, 9955), (140, 10186), (171, 10369), (224, 10516), (250, 10609), (263, 10639), (271, 10669), (272, 10672), (302, 10810), (308, 10837), (361, 11104), (374, 11164), (384, 11209), (392, 11248), (408, 11329), (419, 11377), (433, 11476), (443, 11512), (444, 11515), (448, 11545), (452, 11569), (453, 11572), (458, 11596), (459, 11614), (473, 11674),

Gene: Mischief19_14 Start: 15652, Stop: 17313, Start Num: 106
Candidate Starts for Mischief19_14:
(Start: 106 @15652 has 12 MA's), (131, 15730), (157, 15895), (172, 15976), (203, 16060), (226, 16147), (235, 16189), (241, 16204), (254, 16243), (257, 16249), (259, 16252), (268, 16285), (299,

16411), (305, 16444), (309, 16465), (320, 16525), (348, 16609), (360, 16684), (364, 16702), (395, 16837), (401, 16879), (425, 16996), (438, 17065), (444, 17095),

Gene: MisoSoup_18 Start: 9688, Stop: 11541, Start Num: 66
Candidate Starts for MisoSoup_18:
(Start: 66 @9688 has 55 MA's), (86, 9739), (191, 10183), (214, 10249), (227, 10300), (247, 10375), (312, 10639), (358, 10891), (368, 10939), (373, 10963), (378, 10984), (393, 11047), (419, 11173), (441, 11293), (448, 11335), (454, 11374),

Gene: MitKao_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for MitKao_12:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Mithril_12 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for Mithril_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: MmasiCarm_14 Start: 11026, Stop: 13038, Start Num: 78
Candidate Starts for MmasiCarm_14:
(Start: 69 @11014 has 6 MA's), (Start: 78 @11026 has 57 MA's), (82, 11041), (103, 11119), (112, 11167), (213, 11521), (221, 11545), (277, 11710), (291, 11758), (302, 11830), (316, 11911), (326, 11965), (373, 12184), (374, 12187), (386, 12241), (396, 12289), (408, 12352), (412, 12373), (413, 12376), (448, 12568), (449, 12577), (453, 12595), (456, 12613), (457, 12616), (462, 12658), (471, 12691), (493, 12781), (494, 12814), (497, 12931),

Gene: MoontowerMania_19 Start: 14205, Stop: 16112, Start Num: 47
Candidate Starts for MoontowerMania_19:
(Start: 47 @14205 has 125 MA's), (116, 14436), (122, 14454), (176, 14721), (226, 14859), (245, 14928), (255, 14961), (309, 15186), (311, 15192), (321, 15255), (323, 15267), (324, 15270), (325, 15282), (351, 15369), (359, 15423), (373, 15492), (378, 15528), (408, 15672), (419, 15723), (442, 15867), (443, 15870), (444, 15873), (451, 15921), (460, 15978),

Gene: Morgushi_12 Start: 9462, Stop: 11207, Start Num: 75
Candidate Starts for Morgushi_12:
(Start: 75 @9462 has 297 MA's), (119, 9609), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: MorillMayhem_25 Start: 14081, Stop: 15913, Start Num: 91
Candidate Starts for MorillMayhem_25:
(Start: 91 @14081 has 42 MA's), (95, 14090), (116, 14189), (197, 14555), (237, 14723), (242, 14738), (262, 14798), (273, 14846), (275, 14852), (284, 14876), (306, 14990), (307, 14993), (308, 14999), (324, 15092), (349, 15173), (366, 15266), (368, 15281), (376, 15329), (383, 15353), (394, 15401), (397, 15425), (407, 15473), (417, 15515), (440, 15650), (441, 15662), (443, 15671), (453, 15731), (464, 15800), (473, 15833),

Gene: Mortcellus_13 Start: 11664, Stop: 13679, Start Num: 78
Candidate Starts for Mortcellus_13:
(Start: 69 @11652 has 6 MA's), (Start: 78 @11664 has 57 MA's), (82, 11679), (103, 11757), (112, 11805), (213, 12162), (221, 12186), (277, 12351), (291, 12399), (302, 12471), (316, 12552), (326, 12606), (373, 12825), (374, 12828), (386, 12882), (396, 12930), (408, 12993), (412, 13014), (413, 13017), (448, 13209), (449, 13218), (453, 13236), (456, 13254), (457, 13257), (462, 13299), (471, 13332), (493, 13422), (494, 13455), (497, 13572),

Gene: Morty_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Morty_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Morty007_14 Start: 11810, Stop: 13825, Start Num: 78
Candidate Starts for Morty007_14:
(Start: 78 @11810 has 57 MA's), (82, 11825), (103, 11903), (112, 11951), (213, 12308), (221, 12332), (277, 12497), (291, 12545), (302, 12617), (316, 12698), (326, 12752), (373, 12971), (374, 12974), (386, 13028), (396, 13076), (408, 13139), (412, 13160), (413, 13163), (448, 13355), (449, 13364), (453, 13382), (456, 13400), (457, 13403), (462, 13445), (471, 13478), (497, 13718),

Gene: Mosaic_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Mosaic_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: MossRose_13 Start: 11332, Stop: 13014, Start Num: 68
Candidate Starts for MossRose_13:
(Start: 68 @11332 has 23 MA's), (103, 11419), (112, 11467), (160, 11656), (213, 11767), (221, 11791), (234, 11839), (270, 11929), (304, 12088), (307, 12097), (314, 12145), (329, 12223), (344, 12256), (351, 12304), (361, 12370), (372, 12418), (373, 12427), (374, 12430), (388, 12502), (394, 12520), (402, 12571), (412, 12616), (416, 12628), (419, 12643), (441, 12769), (448, 12811), (452, 12835), (453, 12838), (456, 12856),

Gene: MrPhizzler_12 Start: 9460, Stop: 11202, Start Num: 75
Candidate Starts for MrPhizzler_12:
(Start: 75 @9460 has 297 MA's), (119, 9607), (224, 9991), (264, 10117), (277, 10168), (302, 10276), (361, 10570), (373, 10627), (384, 10672), (386, 10681), (387, 10690), (412, 10813), (427, 10891), (428, 10900), (442, 10975), (448, 11011), (453, 11038), (456, 11056), (459, 11080), (471, 11134), (473, 11140), (475, 11152),

Gene: Mudslide_12 Start: 11724, Stop: 13502, Start Num: 45
Candidate Starts for Mudslide_12:
(Start: 45 @11724 has 37 MA's), (81, 11790), (125, 11940), (134, 11973), (143, 12003), (167, 12132), (186, 12165), (213, 12261), (244, 12357), (251, 12384), (263, 12411), (264, 12414), (270, 12435), (302, 12582), (329, 12729), (361, 12876), (374, 12936), (377, 12960), (383, 12978), (387, 12999), (392, 13020), (408, 13101), (419, 13149), (428, 13206), (433, 13248), (441, 13275), (444, 13287), (448, 13317), (453, 13344), (458, 13368), (459, 13386), (463, 13410), (471, 13440), (473, 13446),

Gene: Mulan_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Mulan_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Mulaychimus_14 Start: 11003, Stop: 13018, Start Num: 78
Candidate Starts for Mulaychimus_14:
(Start: 78 @11003 has 57 MA's), (82, 11018), (103, 11096), (112, 11144), (213, 11501), (221, 11525), (277, 11690), (291, 11738), (302, 11810), (316, 11891), (326, 11945), (373, 12164), (374, 12167), (386, 12221), (396, 12269), (408, 12332), (412, 12353), (413, 12356), (448, 12548), (449, 12557), (453, 12575), (456, 12593), (457, 12596), (462, 12638), (471, 12671), (493, 12761), (494, 12794), (497, 12911),

Gene: Murdoc_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Murdoc_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Mutante_11 Start: 9461, Stop: 11206, Start Num: 75
Candidate Starts for Mutante_11:
(Start: 75 @9461 has 297 MA's), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: Mutzi_21 Start: 12236, Stop: 14134, Start Num: 47
Candidate Starts for Mutzi_21:
(Start: 47 @12236 has 125 MA's), (118, 12473), (122, 12485), (136, 12539), (236, 12932), (247, 12965), (255, 12989), (311, 13229), (345, 13370), (364, 13487), (373, 13532), (374, 13535), (387, 13595), (398, 13658), (432, 13832), (443, 13892), (444, 13895), (454, 13964), (459, 13994), (463, 14018), (470, 14045), (471, 14048),

Gene: Mysterious_13 Start: 11644, Stop: 13491, Start Num: 47
Candidate Starts for Mysterious_13:
(Start: 47 @11644 has 125 MA's), (54, 11677), (81, 11728), (114, 11857), (128, 11896), (213, 12226), (224, 12259), (244, 12328), (251, 12355), (254, 12364), (263, 12382), (270, 12406), (271, 12412), (302, 12565), (326, 12694), (345, 12748), (357, 12823), (361, 12856), (373, 12913), (374, 12916), (384, 12961), (386, 12970), (387, 12979), (392, 13000), (402, 13057), (412, 13102), (417, 13123), (441, 13258), (442, 13264), (448, 13300), (452, 13324), (453, 13327), (458, 13351), (459, 13369),

Gene: NHagos_11 Start: 9813, Stop: 11498, Start Num: 68
Candidate Starts for NHagos_11:
(Start: 68 @9813 has 23 MA's), (103, 9900), (112, 9948), (185, 10185), (213, 10254), (234, 10326), (270, 10416), (290, 10491), (304, 10575), (307, 10584), (328, 10707), (351, 10788), (361, 10854), (373, 10911), (374, 10914), (388, 10986), (394, 11004), (396, 11016), (412, 11100), (416, 11112), (419, 11127), (441, 11253), (448, 11295), (449, 11304), (453, 11322), (458, 11346), (488, 11484),

Gene: Nacho_0012 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Nacho_0012:

(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Namago_25 Start: 13649, Stop: 15481, Start Num: 91
Candidate Starts for Namago_25:
(Start: 91 @13649 has 42 MA's), (95, 13658), (116, 13757), (184, 14090), (237, 14291), (242, 14306), (262, 14366), (273, 14414), (284, 14444), (307, 14561), (308, 14567), (324, 14660), (349, 14741), (366, 14834), (368, 14849), (376, 14897), (383, 14921), (394, 14969), (397, 14993), (407, 15041), (417, 15083), (440, 15218), (443, 15239), (450, 15284), (453, 15299), (464, 15368), (473, 15401),

Gene: Nanao_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for Nanao_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Nangang_13 Start: 11390, Stop: 13231, Start Num: 47
Candidate Starts for Nangang_13:
(Start: 39 @11366 has 3 MA's), (Start: 47 @11390 has 125 MA's), (54, 11423), (81, 11474), (Start: 88 @11498 has 22 MA's), (114, 11603), (146, 11708), (213, 11966), (224, 11999), (244, 12068), (264, 12125), (271, 12152), (302, 12305), (328, 12449), (345, 12488), (361, 12596), (373, 12653), (374, 12656), (384, 12701), (386, 12710), (387, 12719), (402, 12797), (412, 12842), (417, 12863), (428, 12929), (441, 12998), (448, 13040), (452, 13064), (453, 13067), (458, 13091), (459, 13109), (469, 13157),

Gene: Nathan_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Nathan_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Natkenzie_21 Start: 15527, Stop: 17449, Start Num: 47
Candidate Starts for Natkenzie_21:
(Start: 47 @15527 has 125 MA's), (111, 15743), (116, 15758), (154, 15932), (196, 16070), (199, 16079), (215, 16148), (219, 16154), (234, 16208), (243, 16232), (306, 16484), (309, 16502), (311, 16508), (321, 16571), (323, 16583), (324, 16586), (325, 16598), (351, 16688), (356, 16715), (386, 16874), (400, 16952), (421, 17048), (427, 17084), (441, 17204), (445, 17237), (460, 17321), (470, 17366),

Gene: Nehemiah_12 Start: 11644, Stop: 13491, Start Num: 47
Candidate Starts for Nehemiah_12:
(Start: 47 @11644 has 125 MA's), (54, 11677), (81, 11728), (114, 11857), (128, 11896), (213, 12226), (224, 12259), (244, 12328), (251, 12355), (254, 12364), (263, 12382), (270, 12406), (271, 12412), (302, 12565), (326, 12694), (345, 12748), (357, 12823), (361, 12856), (373, 12913), (374, 12916), (384, 12961), (386, 12970), (387, 12979), (392, 13000), (402, 13057), (412, 13102), (417, 13123), (441, 13258), (442, 13264), (448, 13300), (452, 13324), (453, 13327), (458, 13351), (459, 13369),

Gene: Nehme_11 Start: 9463, Stop: 11205, Start Num: 75

Candidate Starts for Nehme_11:
(Start: 75 @9463 has 297 MA's), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Neos5_14 Start: 11816, Stop: 13831, Start Num: 78
Candidate Starts for Neos5_14:
(Start: 78 @11816 has 57 MA's), (82, 11831), (103, 11909), (112, 11957), (213, 12314), (221, 12338), (277, 12503), (291, 12551), (302, 12623), (316, 12704), (326, 12758), (373, 12977), (374, 12980), (386, 13034), (396, 13082), (408, 13145), (412, 13166), (413, 13169), (448, 13361), (449, 13370), (453, 13388), (456, 13406), (457, 13409), (462, 13451), (471, 13484), (493, 13574), (494, 13607), (497, 13724),

Gene: Newman_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Newman_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: NiaNia_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for NiaNia_12:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Nicole21_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Nicole21_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Nicole72_22 Start: 15232, Stop: 17253, Start Num: 66
Candidate Starts for Nicole72_22:
(60, 15220), (Start: 66 @15232 has 55 MA's), (123, 15433), (142, 15505), (212, 15817), (223, 15862), (230, 15898), (251, 15967), (259, 15988), (270, 16024), (299, 16141), (308, 16186), (311, 16201), (345, 16531), (373, 16693), (374, 16696), (379, 16717), (402, 16831), (415, 16888), (426, 16948), (428, 16960), (444, 17023), (448, 17053), (470, 17173), (471, 17176), (473, 17182), (481, 17221),

Gene: Nigel_10 Start: 10274, Stop: 12070, Start Num: 45
Candidate Starts for Nigel_10:
(Start: 45 @10274 has 37 MA's), (53, 10304), (81, 10340), (114, 10469), (125, 10490), (143, 10553), (200, 10760), (213, 10817), (226, 10856), (244, 10913), (263, 10967), (264, 10970), (270, 10991), (271, 10997), (272, 11000), (287, 11051), (302, 11138), (351, 11366), (354, 11378), (361, 11432), (374, 11492), (377, 11516), (384, 11537), (387, 11555), (392, 11576), (408, 11657), (419, 11705), (443, 11840), (448, 11873), (453, 11900), (456, 11918), (458, 11924), (459, 11942), (469, 11990), (471, 11996), (473, 12002), (475, 12014),

Gene: Nikan_22 Start: 13481, Stop: 15208, Start Num: 88
Candidate Starts for Nikan_22:

(64, 13418), (Start: 73 @13433 has 38 MA's), (Start: 88 @13481 has 22 MA's), (104, 13547), (244, 14087), (318, 14390), (324, 14420), (352, 14516), (353, 14519), (354, 14522), (362, 14582), (397, 14744), (408, 14795), (415, 14828), (427, 14891), (444, 14978), (446, 15002), (453, 15035), (469, 15125),

Gene: Nike_25 Start: 14547, Stop: 16379, Start Num: 91
Candidate Starts for Nike_25:
(Start: 91 @14547 has 42 MA's), (95, 14556), (116, 14655), (197, 15021), (237, 15189), (242, 15204), (262, 15264), (273, 15312), (275, 15318), (284, 15342), (307, 15459), (308, 15465), (324, 15558), (349, 15639), (366, 15732), (368, 15747), (376, 15795), (383, 15819), (394, 15867), (397, 15891), (407, 15939), (417, 15981), (440, 16116), (441, 16128), (443, 16137), (453, 16197), (464, 16266), (473, 16299),

Gene: NoodlelyBoi_27 Start: 14134, Stop: 15984, Start Num: 66
Candidate Starts for NoodlelyBoi_27:
(Start: 66 @14134 has 55 MA's), (212, 14710), (223, 14755), (230, 14791), (251, 14860), (259, 14881), (261, 14884), (269, 14914), (299, 15034), (340, 15229), (345, 15256), (352, 15301), (381, 15445), (412, 15601), (428, 15685), (444, 15748), (448, 15778), (450, 15790), (453, 15805), (455, 15820), (463, 15871), (468, 15889),

Gene: Nordenberg_15 Start: 13519, Stop: 15426, Start Num: 47
Candidate Starts for Nordenberg_15:
(Start: 47 @13519 has 125 MA's), (116, 13750), (122, 13768), (176, 14035), (226, 14173), (245, 14242), (255, 14275), (309, 14500), (311, 14506), (321, 14569), (323, 14581), (324, 14584), (325, 14596), (351, 14683), (373, 14806), (378, 14842), (408, 14986), (419, 15037), (441, 15175), (442, 15181), (443, 15184), (444, 15187), (451, 15235), (460, 15292),

Gene: Nova1_11 Start: 9318, Stop: 11063, Start Num: 75
Candidate Starts for Nova1_11:
(Start: 75 @9318 has 297 MA's), (224, 9852), (264, 9978), (277, 10029), (302, 10137), (361, 10431), (373, 10488), (384, 10533), (386, 10542), (387, 10551), (412, 10674), (427, 10752), (428, 10761), (442, 10836), (448, 10872), (453, 10899), (456, 10917), (459, 10941), (471, 10995), (473, 11001), (475, 11013),

Gene: Nozo_14 Start: 11791, Stop: 13806, Start Num: 78
Candidate Starts for Nozo_14:
(Start: 78 @11791 has 57 MA's), (82, 11806), (103, 11884), (112, 11932), (213, 12289), (221, 12313), (277, 12478), (291, 12526), (302, 12598), (316, 12679), (326, 12733), (373, 12952), (374, 12955), (386, 13009), (396, 13057), (408, 13120), (412, 13141), (413, 13144), (448, 13336), (449, 13345), (453, 13363), (456, 13381), (457, 13384), (462, 13426), (471, 13459), (493, 13549), (494, 13582), (497, 13699),

Gene: Nubi_19 Start: 11864, Stop: 13762, Start Num: 47
Candidate Starts for Nubi_19:
(Start: 47 @11864 has 125 MA's), (118, 12101), (122, 12113), (136, 12167), (180, 12398), (236, 12560), (247, 12593), (311, 12857), (342, 12986), (345, 12998), (364, 13115), (373, 13160), (374, 13163), (387, 13223), (391, 13241), (395, 13256), (398, 13286), (401, 13298), (402, 13301), (427, 13421), (432, 13460), (443, 13520), (454, 13592), (459, 13622), (463, 13646), (470, 13673), (471, 13676), (476, 13703),

Gene: Numberten_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Numberten_12:

(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Nyala_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Nyala_11:
(Start: 75 @9465 has 297 MA's), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: NyleyClemson_21 Start: 12914, Stop: 14641, Start Num: 88
Candidate Starts for NyleyClemson_21:
(64, 12851), (Start: 88 @12914 has 22 MA's), (244, 13523), (315, 13811), (318, 13823), (324, 13853), (352, 13949), (353, 13952), (354, 13955), (362, 14015), (397, 14177), (408, 14228), (410, 14237), (415, 14261), (427, 14324), (441, 14399), (442, 14405), (444, 14411), (445, 14432), (463, 14534),

Gene: OSmaximus_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for OSmaximus_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Obutu_14 Start: 11021, Stop: 13036, Start Num: 78
Candidate Starts for Obutu_14:
(Start: 69 @11009 has 6 MA's), (Start: 78 @11021 has 57 MA's), (82, 11036), (103, 11114), (112, 11162), (213, 11519), (221, 11543), (277, 11708), (291, 11756), (302, 11828), (316, 11909), (326, 11963), (373, 12182), (374, 12185), (386, 12239), (396, 12287), (408, 12350), (412, 12371), (413, 12374), (448, 12566), (449, 12575), (453, 12593), (456, 12611), (457, 12614), (462, 12656), (471, 12689), (493, 12779), (494, 12812), (497, 12929),

Gene: Odyssey395_28 Start: 14429, Stop: 16156, Start Num: 88
Candidate Starts for Odyssey395_28:
(64, 14366), (Start: 88 @14429 has 22 MA's), (244, 15038), (308, 15275), (315, 15326), (318, 15338), (324, 15368), (352, 15464), (353, 15467), (354, 15470), (362, 15530), (397, 15692), (410, 15752), (411, 15758), (415, 15776), (427, 15839), (446, 15950), (463, 16049),

Gene: Olak_11 Start: 9462, Stop: 11207, Start Num: 75
Candidate Starts for Olak_11:
(Start: 75 @9462 has 297 MA's), (119, 9609), (224, 9996), (264, 10122), (277, 10173), (302, 10281), (361, 10575), (373, 10632), (384, 10677), (386, 10686), (387, 10695), (412, 10818), (427, 10896), (428, 10905), (442, 10980), (448, 11016), (453, 11043), (456, 11061), (459, 11085), (471, 11139), (473, 11145), (475, 11157),

Gene: Oline_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for Oline_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Olive_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Olive_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: OliverWalter_12 Start: 9753, Stop: 11498, Start Num: 75
Candidate Starts for OliverWalter_12:
(Start: 75 @9753 has 297 MA's), (119, 9900), (224, 10287), (264, 10413), (277, 10464), (302, 10572), (361, 10866), (373, 10923), (384, 10968), (386, 10977), (387, 10986), (412, 11109), (427, 11187), (428, 11196), (442, 11271), (448, 11307), (453, 11334), (456, 11352), (459, 11376), (471, 11430), (473, 11436), (475, 11448),

Gene: Olivio_13 Start: 10875, Stop: 12890, Start Num: 78
Candidate Starts for Olivio_13:
(Start: 78 @10875 has 57 MA's), (82, 10890), (103, 10968), (112, 11016), (213, 11373), (221, 11397), (277, 11562), (291, 11610), (302, 11682), (316, 11763), (326, 11817), (373, 12036), (374, 12039), (386, 12093), (396, 12141), (408, 12204), (412, 12225), (413, 12228), (448, 12420), (449, 12429), (453, 12447), (456, 12465), (457, 12468), (462, 12510), (471, 12543), (497, 12783),

Gene: Ollypop_24 Start: 13443, Stop: 15170, Start Num: 88
Candidate Starts for Ollypop_24:
(64, 13380), (Start: 73 @13395 has 38 MA's), (Start: 88 @13443 has 22 MA's), (104, 13509), (169, 13833), (216, 13953), (244, 14049), (318, 14352), (324, 14382), (352, 14478), (353, 14481), (354, 14484), (362, 14544), (397, 14706), (408, 14757), (415, 14790), (427, 14853), (444, 14940), (449, 14979), (453, 14997),

Gene: Omniscient_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Omniscient_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: OneBrain_12 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for OneBrain_12:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: OneinaGillian_24 Start: 12673, Stop: 14451, Start Num: 89
Candidate Starts for OneinaGillian_24:
(Start: 89 @12673 has 11 MA's), (95, 12685), (163, 13027), (207, 13144), (237, 13270), (273, 13384), (284, 13414), (324, 13627), (349, 13708), (351, 13717), (364, 13795), (366, 13801), (368, 13816), (397, 13960), (405, 14002), (417, 14053), (441, 14200), (443, 14209), (469, 14359), (473, 14371), (487, 14431),

Gene: Onika_26 Start: 13769, Stop: 15625, Start Num: 66
Candidate Starts for Onika_26:
(Start: 66 @13769 has 55 MA's), (212, 14345), (223, 14390), (230, 14426), (251, 14495), (259, 14516), (261, 14519), (269, 14549), (299, 14669), (313, 14750), (340, 14864), (345, 14891), (381, 15080),

(405, 15206), (428, 15320), (429, 15335), (444, 15383), (448, 15413), (450, 15425), (453, 15440), (455, 15455), (463, 15506), (468, 15524), (473, 15542),

Gene: Oosterbaan_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Oosterbaan_12:
(Start: 75 @9758 has 297 MA's), (119, 9905), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Opia_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for Opia_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: OrangeOswald_14 Start: 11026, Stop: 13041, Start Num: 78
Candidate Starts for OrangeOswald_14:
(Start: 78 @11026 has 57 MA's), (82, 11041), (103, 11119), (112, 11167), (213, 11524), (221, 11548), (277, 11713), (291, 11761), (302, 11833), (316, 11914), (326, 11968), (373, 12187), (374, 12190), (386, 12244), (396, 12292), (408, 12355), (412, 12376), (413, 12379), (448, 12571), (449, 12580), (453, 12598), (456, 12616), (457, 12619), (462, 12661), (471, 12694), (493, 12784), (494, 12817), (497, 12934),

Gene: Orfeu_11 Start: 9463, Stop: 11208, Start Num: 75
Candidate Starts for Orfeu_11:
(Start: 75 @9463 has 297 MA's), (224, 9997), (264, 10123), (277, 10174), (302, 10282), (361, 10576), (373, 10633), (384, 10678), (386, 10687), (387, 10696), (412, 10819), (427, 10897), (428, 10906), (442, 10981), (448, 11017), (453, 11044), (456, 11062), (459, 11086), (471, 11140), (473, 11146), (475, 11158),

Gene: Orion_12 Start: 9755, Stop: 11503, Start Num: 75
Candidate Starts for Orion_12:
(Start: 75 @9755 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Orwigg_11 Start: 9465, Stop: 11213, Start Num: 75
Candidate Starts for Orwigg_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 10002), (264, 10128), (277, 10179), (302, 10287), (361, 10581), (373, 10638), (384, 10683), (386, 10692), (387, 10701), (412, 10824), (427, 10902), (428, 10911), (442, 10986), (448, 11022), (453, 11049), (456, 11067), (459, 11091), (471, 11145), (473, 11151), (475, 11163),

Gene: PG1_12 Start: 9755, Stop: 11503, Start Num: 75
Candidate Starts for PG1_12:
(Start: 75 @9755 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: PR_09 Start: 10537, Stop: 12600, Start Num: 78
Candidate Starts for PR_09:
(Start: 78 @10537 has 57 MA's), (81, 10549), (86, 10576), (103, 10630), (112, 10678), (146, 10783), (Start: 161 @10900 has 1 MA's), (194, 10972), (229, 11107), (245, 11146), (254, 11176), (271, 11221), (276, 11242), (299, 11350), (302, 11368), (313, 11437), (314, 11443), (319, 11467), (341, 11536), (368, 11695), (373, 11719), (378, 11749), (387, 11785), (394, 11812), (408, 11887), (417, 11926), (423, 11962), (428, 11992), (442, 12067), (452, 12127), (471, 12226), (473, 12232), (489, 12295), (496, 12451), (499, 12502), (500, 12508), (504, 12592),

Gene: Pacifista_11 Start: 9461, Stop: 11206, Start Num: 75
Candidate Starts for Pacifista_11:
(Start: 75 @9461 has 297 MA's), (119, 9608), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: PallasAthena_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for PallasAthena_11:
(Start: 75 @9465 has 297 MA's), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Paries_21 Start: 14887, Stop: 16794, Start Num: 47
Candidate Starts for Paries_21:
(Start: 47 @14887 has 125 MA's), (116, 15118), (122, 15136), (176, 15403), (226, 15541), (245, 15610), (255, 15643), (309, 15868), (311, 15874), (321, 15937), (323, 15949), (324, 15952), (325, 15964), (351, 16051), (359, 16105), (373, 16174), (378, 16210), (408, 16354), (419, 16405), (442, 16549), (443, 16552), (444, 16555), (451, 16603), (460, 16660),

Gene: Paschalis_26 Start: 13783, Stop: 15639, Start Num: 66
Candidate Starts for Paschalis_26:
(Start: 66 @13783 has 55 MA's), (212, 14359), (223, 14404), (230, 14440), (251, 14509), (259, 14530), (261, 14533), (269, 14563), (299, 14683), (313, 14764), (340, 14878), (345, 14905), (381, 15094), (428, 15334), (429, 15349), (444, 15397), (448, 15427), (450, 15439), (453, 15454), (455, 15469), (463, 15520), (468, 15538), (473, 15556),

Gene: PenguinLover67_15 Start: 12281, Stop: 14140, Start Num: 45
Candidate Starts for PenguinLover67_15:
(23, 12224), (Start: 45 @12281 has 37 MA's), (84, 12374), (Start: 88 @12386 has 22 MA's), (124, 12518), (175, 12770), (195, 12806), (213, 12875), (251, 13004), (254, 13013), (264, 13034), (272, 13064), (296, 13154), (302, 13211), (308, 13238), (351, 13436), (354, 13448), (361, 13502), (373, 13559), (386, 13616), (387, 13625), (392, 13646), (408, 13727), (412, 13748), (417, 13766), (441, 13901), (448, 13943), (449, 13952), (453, 13970), (459, 14012), (471, 14066), (480, 14108), (486, 14123),

Gene: Pepe25_23 Start: 13010, Stop: 14788, Start Num: 89
Candidate Starts for Pepe25_23:
(Start: 89 @13010 has 11 MA's), (95, 13022), (163, 13367), (207, 13481), (237, 13607), (262, 13673), (273, 13721), (284, 13751), (324, 13964), (349, 14045), (351, 14054), (364, 14132), (366, 14138), (368, 14153), (397, 14297), (405, 14339), (417, 14390), (441, 14537), (443, 14546), (469, 14696), (473, 14708),

Gene: Phabia_25 Start: 13921, Stop: 15753, Start Num: 91
Candidate Starts for Phabia_25:
(Start: 91 @13921 has 42 MA's), (95, 13930), (116, 14029), (197, 14395), (237, 14563), (242, 14578), (262, 14638), (273, 14686), (275, 14692), (284, 14716), (307, 14833), (308, 14839), (324, 14932), (349, 15013), (366, 15106), (368, 15121), (376, 15169), (383, 15193), (394, 15241), (397, 15265), (407, 15313), (417, 15355), (440, 15490), (441, 15502), (443, 15511), (453, 15571), (464, 15640), (473, 15673),

Gene: Phaedrus_13 Start: 10943, Stop: 12958, Start Num: 78
Candidate Starts for Phaedrus_13:
(Start: 78 @10943 has 57 MA's), (82, 10958), (103, 11036), (112, 11084), (213, 11441), (221, 11465), (277, 11630), (291, 11678), (302, 11750), (316, 11831), (326, 11885), (373, 12104), (374, 12107), (386, 12161), (396, 12209), (408, 12272), (412, 12293), (413, 12296), (448, 12488), (449, 12497), (453, 12515), (456, 12533), (457, 12536), (462, 12578), (471, 12611), (493, 12701), (494, 12734), (497, 12851),

Gene: Phamished_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for Phamished_12:
(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Phantasmagoria_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for Phantasmagoria_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: Phareon_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Phareon_12:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: PhatCats2014_12 Start: 9758, Stop: 11506, Start Num: 75
Candidate Starts for PhatCats2014_12:
(Start: 75 @9758 has 297 MA's), (224, 10295), (264, 10421), (277, 10472), (302, 10580), (361, 10874), (373, 10931), (384, 10976), (386, 10985), (387, 10994), (412, 11117), (427, 11195), (428, 11204), (442, 11279), (448, 11315), (453, 11342), (456, 11360), (459, 11384), (471, 11438), (473, 11444), (475, 11456),

Gene: PhatLouie_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for PhatLouie_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Phauci_14 Start: 11906, Stop: 13825, Start Num: 47
Candidate Starts for Phauci_14:
(Start: 47 @11906 has 125 MA's), (110, 12107), (141, 12230), (176, 12401), (199, 12446), (204, 12467), (226, 12524), (277, 12701), (280, 12710), (295, 12761), (298, 12812), (309, 12875), (311, 12881), (321, 12944), (325, 12971), (351, 13058), (385, 13241), (398, 13316), (402, 13331), (408, 13355), (415, 13388), (419, 13406), (428, 13463), (441, 13574), (453, 13643), (454, 13655), (460, 13691), (475, 13757),

Gene: Phayeta_14 Start: 10902, Stop: 12917, Start Num: 78
Candidate Starts for Phayeta_14:
(Start: 69 @10890 has 6 MA's), (Start: 78 @10902 has 57 MA's), (82, 10917), (103, 10995), (112, 11043), (213, 11400), (221, 11424), (277, 11589), (291, 11637), (302, 11709), (316, 11790), (326, 11844), (373, 12063), (374, 12066), (386, 12120), (396, 12168), (408, 12231), (412, 12252), (413, 12255), (448, 12447), (449, 12456), (453, 12474), (456, 12492), (457, 12495), (462, 12537), (471, 12570), (493, 12660), (494, 12693), (497, 12810),

Gene: PhedwardCullen_26 Start: 13528, Stop: 15384, Start Num: 66
Candidate Starts for PhedwardCullen_26:
(Start: 66 @13528 has 55 MA's), (212, 14104), (223, 14149), (230, 14185), (251, 14254), (259, 14275), (261, 14278), (269, 14308), (299, 14428), (313, 14509), (340, 14623), (345, 14650), (381, 14839), (405, 14965), (428, 15079), (429, 15094), (444, 15142), (448, 15172), (450, 15184), (453, 15199), (455, 15214), (463, 15265), (468, 15283), (473, 15301),

Gene: Phelemich_13 Start: 11647, Stop: 13494, Start Num: 47
Candidate Starts for Phelemich_13:
(Start: 47 @11647 has 125 MA's), (54, 11680), (81, 11731), (114, 11860), (128, 11899), (213, 12229), (224, 12262), (244, 12331), (251, 12358), (254, 12367), (263, 12385), (270, 12409), (271, 12415), (276, 12436), (302, 12568), (307, 12589), (326, 12697), (345, 12751), (357, 12826), (361, 12859), (373, 12916), (374, 12919), (384, 12964), (386, 12973), (387, 12982), (392, 13003), (402, 13060), (412, 13105), (417, 13126), (441, 13261), (442, 13267), (448, 13303), (452, 13327), (453, 13330), (458, 13354), (459, 13372), (475, 13444),

Gene: PhenghisKhan_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for PhenghisKhan_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Pherdinand_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Pherdinand_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Phergie_11 Start: 9310, Stop: 11055, Start Num: 75
Candidate Starts for Phergie_11:
(Start: 75 @9310 has 297 MA's), (224, 9844), (264, 9970), (277, 10021), (302, 10129), (361, 10423), (373, 10480), (384, 10525), (386, 10534), (387, 10543), (412, 10666), (427, 10744), (428, 10753), (442, 10828), (448, 10864), (453, 10891), (456, 10909), (459, 10933), (471, 10987), (473, 10993), (475, 11005),

Gene: Philly_13 Start: 10892, Stop: 12907, Start Num: 78
Candidate Starts for Philly_13:
(Start: 69 @10880 has 6 MA's), (Start: 78 @10892 has 57 MA's), (82, 10907), (103, 10985), (112, 11033), (213, 11390), (221, 11414), (277, 11579), (291, 11627), (302, 11699), (316, 11780), (326, 11834), (373, 12053), (374, 12056), (386, 12110), (396, 12158), (408, 12221), (412, 12242), (413, 12245), (448, 12437), (449, 12446), (453, 12464), (456, 12482), (457, 12485), (462, 12527), (471, 12560), (493, 12650), (494, 12683), (497, 12800),

Gene: Phinally_21 Start: 15336, Stop: 17255, Start Num: 47
Candidate Starts for Phinally_21:
(Start: 47 @15336 has 125 MA's), (110, 15537), (141, 15660), (176, 15831), (199, 15876), (204, 15897), (226, 15954), (264, 16080), (277, 16131), (280, 16140), (295, 16191), (298, 16242), (309, 16305), (311, 16311), (321, 16374), (325, 16401), (351, 16488), (385, 16671), (398, 16746), (402, 16761), (408, 16785), (415, 16818), (419, 16836), (428, 16893), (441, 17004), (453, 17073), (454, 17085), (460, 17121), (475, 17187),

Gene: Phinky_31 Start: 14788, Stop: 16635, Start Num: 90
Candidate Starts for Phinky_31:
(Start: 90 @14788 has 4 MA's), (95, 14797), (101, 14833), (149, 15022), (237, 15442), (245, 15469), (273, 15565), (284, 15595), (324, 15811), (343, 15853), (348, 15886), (349, 15892), (351, 15901), (358, 15952), (366, 15985), (368, 16000), (397, 16144), (405, 16186), (407, 16192), (417, 16237), (428, 16303), (440, 16372), (441, 16384), (443, 16393), (453, 16453), (471, 16549), (473, 16555),

Gene: Phipps_12 Start: 9757, Stop: 11493, Start Num: 75
Candidate Starts for Phipps_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10282), (264, 10408), (277, 10459), (302, 10567), (361, 10861), (373, 10918), (384, 10963), (386, 10972), (387, 10981), (412, 11104), (427, 11182), (428, 11191), (442, 11266), (448, 11302), (453, 11329), (456, 11347), (459, 11371), (471, 11425), (473, 11431), (475, 11443),

Gene: Phleuron_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for Phleuron_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Phlop_19 Start: 11937, Stop: 13826, Start Num: 47
Candidate Starts for Phlop_19:
(Start: 47 @11937 has 125 MA's), (118, 12174), (122, 12186), (136, 12240), (180, 12465), (236, 12627), (247, 12660), (255, 12684), (311, 12912), (322, 12984), (342, 13041), (364, 13170), (373, 13215), (374, 13218), (398, 13341), (401, 13353), (416, 13413), (441, 13566), (443, 13575), (454, 13647), (459, 13677), (470, 13728), (475, 13749), (480, 13773),

Gene: Phlyer_14 Start: 11748, Stop: 13775, Start Num: 69
Candidate Starts for Phlyer_14:
(Start: 69 @11748 has 6 MA's), (Start: 78 @11760 has 57 MA's), (82, 11775), (103, 11853), (112, 11901), (213, 12258), (221, 12282), (277, 12447), (291, 12495), (302, 12567), (316, 12648), (326, 12702), (373, 12921), (374, 12924), (386, 12978), (396, 13026), (408, 13089), (412, 13110), (413, 13113), (448, 13305), (449, 13314), (453, 13332), (456, 13350), (457, 13353), (462, 13395), (471, 13428), (493, 13518), (494, 13551), (497, 13668),

Gene: Phorgeous_26 Start: 13636, Stop: 15492, Start Num: 66

Candidate Starts for Phorgeous_26:
(Start: 66 @13636 has 55 MA's), (212, 14212), (223, 14257), (230, 14293), (251, 14362), (259, 14383), (261, 14386), (269, 14416), (299, 14536), (313, 14617), (340, 14731), (345, 14758), (381, 14947), (405, 15073), (428, 15187), (429, 15202), (444, 15250), (448, 15280), (450, 15292), (453, 15307), (455, 15322), (463, 15373), (468, 15391), (473, 15409),

Gene: Phrancesco_27 Start: 13914, Stop: 15770, Start Num: 66
Candidate Starts for Phrancesco_27:
(Start: 66 @13914 has 55 MA's), (212, 14490), (223, 14535), (230, 14571), (251, 14640), (259, 14661), (261, 14664), (269, 14694), (299, 14814), (313, 14895), (340, 15009), (345, 15036), (381, 15225), (405, 15351), (411, 15375), (428, 15465), (429, 15480), (444, 15528), (448, 15558), (450, 15570), (453, 15585), (455, 15600), (463, 15651), (468, 15669), (473, 15687),

Gene: PhrankReynolds_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for PhrankReynolds_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: PhrodoBaggins_11 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for PhrodoBaggins_11:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Phunky_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Phunky_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: PhuzzTulsa_24 Start: 14216, Stop: 15943, Start Num: 88
Candidate Starts for PhuzzTulsa_24:
(64, 14153), (Start: 88 @14216 has 22 MA's), (244, 14825), (315, 15113), (318, 15125), (324, 15155), (352, 15251), (353, 15254), (354, 15257), (362, 15317), (397, 15479), (410, 15539), (411, 15545), (415, 15563), (427, 15626), (446, 15737), (463, 15836),

Gene: PierreOrion_27 Start: 13938, Stop: 15794, Start Num: 66
Candidate Starts for PierreOrion_27:
(Start: 66 @13938 has 55 MA's), (212, 14514), (223, 14559), (230, 14595), (251, 14664), (259, 14685), (261, 14688), (269, 14718), (299, 14838), (313, 14919), (340, 15033), (345, 15060), (381, 15249), (405, 15375), (428, 15489), (429, 15504), (444, 15552), (448, 15582), (450, 15594), (453, 15609), (455, 15624), (463, 15675), (468, 15693), (473, 15711),

Gene: Piglet_0011 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Piglet_0011:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Pine5_14 Start: 11242, Stop: 12954, Start Num: 105
Candidate Starts for Pine5_14:
(37, 11029), (67, 11119), (105, 11242), (109, 11263), (187, 11623), (213, 11710), (234, 11782), (239, 11797), (314, 12106), (341, 12205), (361, 12331), (372, 12379), (373, 12388), (392, 12475), (402, 12532), (411, 12571), (421, 12616), (428, 12661), (452, 12796), (453, 12799), (463, 12865),

Gene: PinheadLarry_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for PinheadLarry_12:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: PinkCoffee_21 Start: 12521, Stop: 14419, Start Num: 47
Candidate Starts for PinkCoffee_21:
(Start: 47 @12521 has 125 MA's), (118, 12758), (122, 12770), (136, 12824), (236, 13217), (247, 13250), (255, 13274), (311, 13514), (342, 13643), (345, 13655), (364, 13772), (373, 13817), (374, 13820), (387, 13880), (391, 13898), (398, 13943), (401, 13955), (402, 13958), (407, 13979), (427, 14078), (432, 14117), (443, 14177), (454, 14249), (459, 14279), (463, 14303), (470, 14330), (471, 14333), (476, 14360),

Gene: Pinkman_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for Pinkman_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Pipefish_14 Start: 11892, Stop: 13925, Start Num: 69
Candidate Starts for Pipefish_14:
(Start: 69 @11892 has 6 MA's), (Start: 78 @11904 has 57 MA's), (82, 11919), (103, 11997), (112, 12045), (213, 12408), (221, 12432), (277, 12597), (291, 12645), (302, 12717), (316, 12798), (326, 12852), (373, 13071), (374, 13074), (386, 13128), (396, 13176), (408, 13239), (412, 13260), (413, 13263), (448, 13455), (449, 13464), (453, 13482), (456, 13500), (457, 13503), (462, 13545), (471, 13578), (493, 13668), (494, 13701), (497, 13818),

Gene: PiperSansNom_27 Start: 14090, Stop: 15946, Start Num: 66
Candidate Starts for PiperSansNom_27:
(Start: 66 @14090 has 55 MA's), (212, 14666), (223, 14711), (230, 14747), (251, 14816), (259, 14837), (261, 14840), (269, 14870), (299, 14990), (313, 15071), (340, 15185), (345, 15212), (381, 15401), (405, 15527), (428, 15641), (429, 15656), (444, 15704), (448, 15734), (450, 15746), (453, 15761), (455, 15776), (463, 15827), (468, 15845), (473, 15863),

Gene: Piperis_27 Start: 13760, Stop: 15616, Start Num: 66
Candidate Starts for Piperis_27:
(Start: 66 @13760 has 55 MA's), (212, 14336), (223, 14381), (230, 14417), (251, 14486), (259, 14507), (261, 14510), (269, 14540), (299, 14660), (313, 14741), (340, 14855), (345, 14882), (381, 15071), (405, 15197), (428, 15311), (429, 15326), (444, 15374), (448, 15404), (450, 15416), (453, 15431), (455, 15446), (463, 15497), (468, 15515), (473, 15533),

Gene: Pipsqueak_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Pipsqueak_12:

(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Placalicious_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Placalicious_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Plata_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Plata_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Plmatters_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Plmatters_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Podrick_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Podrick_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Pointis_26 Start: 14433, Stop: 16160, Start Num: 88
Candidate Starts for Pointis_26:
(64, 14370), (Start: 88 @14433 has 22 MA's), (244, 15042), (315, 15330), (318, 15342), (324, 15372), (352, 15468), (353, 15471), (354, 15474), (362, 15534), (397, 15696), (410, 15756), (411, 15762), (415, 15780), (427, 15843), (446, 15954), (463, 16053),

Gene: Pops_12 Start: 9757, Stop: 11499, Start Num: 75
Candidate Starts for Pops_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Popstraw_24 Start: 14219, Stop: 15946, Start Num: 88
Candidate Starts for Popstraw_24:
(64, 14156), (Start: 88 @14219 has 22 MA's), (244, 14828), (315, 15116), (318, 15128), (324, 15158), (352, 15254), (353, 15257), (354, 15260), (362, 15320), (397, 15482), (410, 15542), (411, 15548), (415, 15566), (427, 15629), (446, 15740), (463, 15839),

Gene: Portcullis_19 Start: 11883, Stop: 13769, Start Num: 47

Candidate Starts for Portcullis_19:
(Start: 47 @11883 has 125 MA's), (118, 12120), (122, 12132), (136, 12186), (236, 12567), (247, 12600), (256, 12627), (342, 12993), (345, 13005), (364, 13122), (373, 13167), (374, 13170), (387, 13230), (391, 13248), (398, 13293), (401, 13305), (402, 13308), (427, 13428), (432, 13467), (443, 13527), (454, 13599), (459, 13629), (463, 13653), (470, 13680), (471, 13683), (476, 13710),

Gene: Poster_11 Start: 10371, Stop: 12158, Start Num: 45
Candidate Starts for Poster_11:
(Start: 45 @10371 has 37 MA's), (81, 10437), (125, 10587), (134, 10620), (143, 10650), (186, 10809), (213, 10905), (226, 10944), (244, 11001), (251, 11028), (264, 11058), (270, 11079), (287, 11139), (302, 11226), (329, 11373), (361, 11520), (374, 11580), (377, 11604), (384, 11625), (387, 11643), (392, 11664), (408, 11745), (419, 11793), (428, 11850), (443, 11928), (448, 11961), (453, 11988), (458, 12012), (459, 12030), (463, 12054), (469, 12078), (471, 12084), (473, 12090), (475, 12102),

Gene: Potter_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Potter_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Prickles_12 Start: 9763, Stop: 11508, Start Num: 75
Candidate Starts for Prickles_12:
(Start: 75 @9763 has 297 MA's), (224, 10297), (264, 10423), (277, 10474), (302, 10582), (361, 10876), (373, 10933), (384, 10978), (386, 10987), (387, 10996), (412, 11119), (427, 11197), (428, 11206), (442, 11281), (448, 11317), (453, 11344), (456, 11362), (459, 11386), (471, 11440), (473, 11446), (475, 11458),

Gene: Prince_12 Start: 11636, Stop: 13414, Start Num: 45
Candidate Starts for Prince_12:
(Start: 45 @11636 has 37 MA's), (81, 11702), (125, 11852), (134, 11885), (143, 11915), (167, 12044), (186, 12077), (213, 12173), (244, 12269), (251, 12296), (263, 12323), (264, 12326), (270, 12347), (302, 12494), (329, 12641), (361, 12788), (374, 12848), (377, 12872), (383, 12890), (387, 12911), (392, 12932), (408, 13013), (419, 13061), (428, 13118), (433, 13160), (441, 13187), (444, 13199), (448, 13229), (453, 13256), (458, 13280), (459, 13298), (463, 13322), (471, 13352), (473, 13358),

Gene: PrinceCharming_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for PrinceCharming_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12750), (158, 12864), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: ProfessorX_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for ProfessorX_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Puhltonio_12 Start: 9757, Stop: 11493, Start Num: 75
Candidate Starts for Puhltonio_12:

(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10282), (264, 10408), (277, 10459), (302, 10567), (361, 10861), (373, 10918), (384, 10963), (386, 10972), (387, 10981), (412, 11104), (427, 11182), (428, 11191), (442, 11266), (448, 11302), (453, 11329), (456, 11347), (459, 11371), (471, 11425), (473, 11431), (475, 11443),

Gene: Pulchra_28 Start: 14160, Stop: 16016, Start Num: 66
Candidate Starts for Pulchra_28:
(Start: 66 @14160 has 55 MA's), (212, 14736), (223, 14781), (230, 14817), (251, 14886), (259, 14907), (261, 14910), (269, 14940), (299, 15060), (313, 15141), (340, 15255), (345, 15282), (381, 15471), (405, 15597), (428, 15711), (429, 15726), (444, 15774), (448, 15804), (450, 15816), (453, 15831), (455, 15846), (463, 15897), (468, 15915), (473, 15933),

Gene: PullumCavea_19 Start: 11937, Stop: 13826, Start Num: 47
Candidate Starts for PullumCavea_19:
(Start: 47 @11937 has 125 MA's), (118, 12174), (122, 12186), (136, 12240), (180, 12465), (236, 12627), (247, 12660), (255, 12684), (311, 12912), (322, 12984), (342, 13041), (364, 13170), (373, 13215), (374, 13218), (398, 13341), (401, 13353), (416, 13413), (441, 13566), (443, 13575), (454, 13647), (459, 13677), (470, 13728), (475, 13749), (480, 13773),

Gene: Pumpkiney_23 Start: 14240, Stop: 16156, Start Num: 47
Candidate Starts for Pumpkiney_23:
(Start: 47 @14240 has 125 MA's), (111, 14456), (116, 14471), (154, 14645), (199, 14792), (215, 14858), (219, 14864), (234, 14918), (243, 14942), (249, 14966), (306, 15194), (309, 15212), (311, 15218), (321, 15281), (323, 15293), (324, 15296), (325, 15308), (351, 15398), (356, 15425), (386, 15584), (400, 15662), (421, 15758), (460, 16028), (470, 16073),

Gene: Pureglobe5_28 Start: 14443, Stop: 16170, Start Num: 88
Candidate Starts for Pureglobe5_28:
(64, 14380), (Start: 88 @14443 has 22 MA's), (244, 15052), (315, 15340), (318, 15352), (324, 15382), (352, 15478), (353, 15481), (354, 15484), (362, 15544), (397, 15706), (410, 15766), (411, 15772), (415, 15790), (427, 15853), (446, 15964), (463, 16063),

Gene: Purplicious_42 Start: 22426, Stop: 24216, Start Num: 57
Candidate Starts for Purplicious_42:
(41, 22366), (55, 22420), (Start: 57 @22426 has 7 MA's), (205, 22963), (213, 22996), (218, 23008), (258, 23128), (260, 23131), (274, 23188), (309, 23341), (311, 23347), (314, 23374), (323, 23416), (383, 23674), (384, 23677), (393, 23719), (394, 23722), (403, 23776), (404, 23782), (424, 23878), (427, 23893), (428, 23902), (463, 24127), (473, 24163), (475, 24175), (480, 24199),

Gene: Quammi_23 Start: 13492, Stop: 15324, Start Num: 91
Candidate Starts for Quammi_23:
(Start: 91 @13492 has 42 MA's), (95, 13501), (116, 13600), (197, 13966), (237, 14134), (242, 14149), (262, 14209), (273, 14257), (275, 14263), (284, 14287), (307, 14404), (308, 14410), (324, 14503), (349, 14584), (366, 14677), (368, 14692), (376, 14740), (383, 14764), (394, 14812), (397, 14836), (407, 14884), (417, 14926), (440, 15061), (441, 15073), (443, 15082), (453, 15142), (464, 15211), (473, 15244),

Gene: QueenBeane_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for QueenBeane_12:
(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: QueenPie_12 Start: 11965, Stop: 13758, Start Num: 45
Candidate Starts for QueenPie_12:
(Start: 45 @11965 has 37 MA's), (81, 12031), (125, 12181), (134, 12214), (143, 12244), (186, 12409), (213, 12505), (226, 12544), (244, 12601), (251, 12628), (264, 12658), (270, 12679), (287, 12739), (302, 12826), (329, 12973), (361, 13120), (374, 13180), (377, 13204), (384, 13225), (387, 13243), (392, 13264), (408, 13345), (419, 13393), (439, 13504), (443, 13528), (448, 13561), (453, 13588), (456, 13606), (458, 13612), (459, 13630), (463, 13654), (469, 13678), (471, 13684), (473, 13690), (475, 13702),

Gene: Quesadilla_14 Start: 12044, Stop: 13945, Start Num: 25
Candidate Starts for Quesadilla_14:
(Start: 25 @12044 has 1 MA's), (36, 12071), (Start: 45 @12098 has 37 MA's), (Start: 88 @12203 has 22 MA's), (195, 12614), (213, 12683), (251, 12812), (254, 12821), (270, 12863), (272, 12872), (302, 13019), (308, 13046), (316, 13100), (351, 13247), (361, 13313), (373, 13370), (377, 13397), (386, 13427), (387, 13436), (392, 13457), (408, 13538), (412, 13559), (417, 13577), (439, 13697), (441, 13712), (448, 13754), (449, 13763), (453, 13781), (458, 13805), (459, 13823), (463, 13847), (473, 13883),

Gene: Quhwah_30 Start: 14383, Stop: 16242, Start Num: 66
Candidate Starts for Quhwah_30:
(Start: 66 @14383 has 55 MA's), (212, 14962), (223, 15007), (230, 15043), (251, 15112), (259, 15133), (261, 15136), (269, 15166), (299, 15286), (313, 15367), (340, 15481), (345, 15508), (381, 15697), (405, 15823), (428, 15937), (429, 15952), (444, 16000), (448, 16030), (450, 16042), (453, 16057), (455, 16072), (463, 16123), (468, 16141), (473, 16159),

Gene: Quisquiliae_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Quisquiliae_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Qyrzula_14 Start: 12501, Stop: 14528, Start Num: 73
Candidate Starts for Qyrzula_14:
(Start: 73 @12501 has 38 MA's), (112, 12645), (121, 12666), (139, 12720), (146, 12747), (158, 12834), (213, 12999), (234, 13071), (277, 13188), (293, 13248), (297, 13266), (302, 13320), (316, 13401), (373, 13674), (374, 13677), (387, 13743), (438, 14001), (448, 14061), (449, 14070), (453, 14088), (458, 14112), (471, 14184), (484, 14232), (495, 14376), (497, 14415), (501, 14472), (502, 14508), (503, 14514),

Gene: RIPWilbur_24 Start: 13579, Stop: 15306, Start Num: 88
Candidate Starts for RIPWilbur_24:
(64, 13516), (Start: 88 @13579 has 22 MA's), (244, 14188), (315, 14476), (318, 14488), (324, 14518), (352, 14614), (353, 14617), (354, 14620), (362, 14680), (397, 14842), (410, 14902), (411, 14908), (415, 14926), (427, 14989), (446, 15100), (463, 15199),

Gene: RagingRooster_14 Start: 11027, Stop: 13042, Start Num: 78
Candidate Starts for RagingRooster_14:
(Start: 78 @11027 has 57 MA's), (82, 11042), (103, 11120), (112, 11168), (213, 11525), (221, 11549), (277, 11714), (291, 11762), (302, 11834), (316, 11915), (326, 11969), (373, 12188), (374, 12191), (386, 12245), (396, 12293), (408, 12356), (412, 12377), (413, 12380), (448, 12572), (449, 12581), (453, 12599), (456, 12617), (457, 12620), (462, 12662), (471, 12695), (493, 12785), (494, 12818),

(497, 12935),

Gene: RainyPolka_13 Start: 13679, Stop: 15376, Start Num: 106
Candidate Starts for RainyPolka_13:
(Start: 106 @13679 has 12 MA's), (108, 13688), (131, 13757), (135, 13775), (138, 13790), (157, 13922), (159, 13946), (190, 14045), (210, 14126), (225, 14180), (230, 14210), (231, 14213), (239, 14240), (241, 14243), (259, 14291), (281, 14372), (292, 14414), (305, 14483), (323, 14573), (351, 14663), (361, 14729), (364, 14741), (365, 14744), (375, 14810), (395, 14894), (401, 14936), (416, 14996), (443, 15149), (452, 15206), (461, 15266), (462, 15269), (473, 15308), (477, 15332), (485, 15350),

Gene: Ramiel05_26 Start: 13795, Stop: 15651, Start Num: 66
Candidate Starts for Ramiel05_26:
(Start: 66 @13795 has 55 MA's), (212, 14371), (223, 14416), (230, 14452), (251, 14521), (259, 14542), (261, 14545), (269, 14575), (299, 14695), (313, 14776), (340, 14890), (345, 14917), (381, 15106), (428, 15346), (429, 15361), (444, 15409), (448, 15439), (450, 15451), (453, 15466), (455, 15481), (463, 15532), (468, 15550), (473, 15568),

Gene: Ranunculus_20 Start: 13327, Stop: 15048, Start Num: 88
Candidate Starts for Ranunculus_20:
(65, 13264), (Start: 88 @13327 has 22 MA's), (244, 13921), (251, 13942), (284, 14044), (315, 14218), (318, 14230), (324, 14260), (353, 14359), (354, 14362), (386, 14527), (397, 14584), (405, 14626), (408, 14635), (410, 14644), (415, 14668), (427, 14731), (444, 14818), (449, 14857), (453, 14875),

Gene: Rasputia_56 Start: 29361, Stop: 31292, Start Num: 61
Candidate Starts for Rasputia_56:
(Start: 61 @29361 has 4 MA's), (111, 29544), (135, 29628), (150, 29697), (188, 29895), (191, 29904), (214, 30003), (226, 30048), (261, 30165), (365, 30663), (371, 30693), (373, 30705), (381, 30732), (389, 30777), (397, 30816), (405, 30858), (441, 31044), (480, 31251),

Gene: RawrgerThat_12 Start: 11467, Stop: 13248, Start Num: 45
Candidate Starts for RawrgerThat_12:
(Start: 45 @11467 has 37 MA's), (81, 11533), (125, 11683), (134, 11716), (143, 11746), (167, 11878), (186, 11911), (213, 12007), (244, 12103), (251, 12130), (263, 12157), (264, 12160), (270, 12181), (302, 12328), (329, 12475), (361, 12622), (374, 12682), (377, 12706), (383, 12724), (387, 12745), (392, 12766), (408, 12847), (419, 12895), (428, 12952), (433, 12994), (441, 13021), (444, 13033), (448, 13063), (453, 13090), (458, 13114), (459, 13132), (463, 13156), (471, 13186), (473, 13192),

Gene: RazzB_22 Start: 12742, Stop: 14469, Start Num: 88
Candidate Starts for RazzB_22:
(64, 12679), (Start: 88 @12742 has 22 MA's), (244, 13351), (315, 13639), (318, 13651), (324, 13681), (352, 13777), (353, 13780), (354, 13783), (362, 13843), (397, 14005), (408, 14056), (410, 14065), (415, 14089), (427, 14152), (441, 14227), (442, 14233), (444, 14239), (445, 14260), (463, 14362),

Gene: Reccee_13 Start: 11556, Stop: 13427, Start Num: 39
Candidate Starts for Reccee_13:
(Start: 39 @11556 has 3 MA's), (Start: 47 @11580 has 125 MA's), (54, 11613), (81, 11664), (Start: 88 @11688 has 22 MA's), (114, 11793), (125, 11823), (128, 11832), (213, 12162), (224, 12195), (244, 12264), (263, 12318), (270, 12342), (271, 12348), (302, 12501), (345, 12684), (361, 12792), (373, 12849), (374, 12852), (384, 12897), (386, 12906), (387, 12915), (391, 12933), (402, 12993), (412, 13038), (417, 13059), (419, 13068), (423, 13095), (428, 13125), (441, 13194), (448, 13236), (452, 13260), (453, 13263), (459, 13305), (469, 13353),

Gene: RedMaple_11 Start: 9754, Stop: 11496, Start Num: 75
Candidate Starts for RedMaple_11:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10285), (264, 10411), (277, 10462), (302, 10570), (361, 10864), (373, 10921), (384, 10966), (386, 10975), (387, 10984), (412, 11107), (427, 11185), (428, 11194), (442, 11269), (448, 11305), (453, 11332), (456, 11350), (459, 11374), (471, 11428), (473, 11434), (475, 11446),

Gene: RedRaider89_13 Start: 9989, Stop: 11734, Start Num: 75
Candidate Starts for RedRaider89_13:
(Start: 75 @9989 has 297 MA's), (119, 10136), (224, 10523), (264, 10649), (277, 10700), (302, 10808), (361, 11102), (373, 11159), (384, 11204), (386, 11213), (387, 11222), (412, 11345), (427, 11423), (428, 11432), (442, 11507), (448, 11543), (453, 11570), (456, 11588), (459, 11612), (471, 11666), (473, 11672), (475, 11684),

Gene: Ren19_22 Start: 13481, Stop: 15208, Start Num: 88
Candidate Starts for Ren19_22:
(64, 13418), (Start: 73 @13433 has 38 MA's), (Start: 88 @13481 has 22 MA's), (104, 13547), (244, 14087), (318, 14390), (324, 14420), (352, 14516), (353, 14519), (354, 14522), (362, 14582), (397, 14744), (408, 14795), (415, 14828), (427, 14891), (444, 14978), (446, 15002), (453, 15035), (469, 15125),

Gene: Renkei_11 Start: 10372, Stop: 12165, Start Num: 45
Candidate Starts for Renkei_11:
(Start: 45 @10372 has 37 MA's), (81, 10438), (125, 10588), (134, 10621), (143, 10651), (167, 10783), (186, 10816), (213, 10912), (226, 10951), (244, 11008), (251, 11035), (264, 11065), (270, 11086), (287, 11146), (302, 11233), (329, 11380), (361, 11527), (374, 11587), (377, 11611), (384, 11632), (387, 11650), (392, 11671), (408, 11752), (419, 11800), (428, 11857), (443, 11935), (448, 11968), (453, 11995), (458, 12019), (459, 12037), (463, 12061), (469, 12085), (471, 12091), (473, 12097), (475, 12109),

Gene: Reprobate_13 Start: 11644, Stop: 13491, Start Num: 47
Candidate Starts for Reprobate_13:
(Start: 47 @11644 has 125 MA's), (54, 11677), (81, 11728), (114, 11857), (128, 11896), (213, 12226), (224, 12259), (244, 12328), (251, 12355), (254, 12364), (263, 12382), (270, 12406), (271, 12412), (276, 12433), (302, 12565), (307, 12586), (326, 12694), (345, 12748), (357, 12823), (361, 12856), (373, 12913), (374, 12916), (384, 12961), (386, 12970), (387, 12979), (392, 13000), (402, 13057), (412, 13102), (417, 13123), (441, 13258), (442, 13264), (448, 13300), (452, 13324), (453, 13327), (458, 13351), (459, 13369), (475, 13441),

Gene: Rhinoforte_15 Start: 12528, Stop: 14555, Start Num: 73
Candidate Starts for Rhinoforte_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12747), (146, 12774), (158, 12861), (213, 13026), (234, 13098), (277, 13215), (293, 13275), (297, 13293), (302, 13347), (316, 13428), (373, 13701), (374, 13704), (387, 13770), (438, 14028), (448, 14088), (449, 14097), (453, 14115), (458, 14139), (471, 14211), (484, 14259), (495, 14403), (497, 14442), (501, 14499), (502, 14535), (503, 14541),

Gene: Ribeye_21 Start: 15768, Stop: 17690, Start Num: 47
Candidate Starts for Ribeye_21:
(Start: 47 @15768 has 125 MA's), (116, 15999), (176, 16296), (204, 16365), (217, 16413), (226, 16437), (245, 16506), (252, 16530), (280, 16623), (309, 16764), (311, 16770), (321, 16833), (323, 16845), (324, 16848), (325, 16860), (351, 16947), (373, 17070), (378, 17106), (386, 17139), (398, 17211), (408, 17250), (419, 17301), (441, 17439), (442, 17445), (443, 17448), (451, 17499), (460,

17556), (461, 17568), (464, 17577),

Gene: Rich_13 Start: 11404, Stop: 13245, Start Num: 47
Candidate Starts for Rich_13:
(Start: 28 @11350 has 1 MA's), (Start: 47 @11404 has 125 MA's), (54, 11437), (81, 11488), (Start: 88 @11512 has 22 MA's), (101, 11554), (114, 11617), (119, 11626), (128, 11656), (213, 11980), (224, 12013), (244, 12082), (263, 12136), (271, 12166), (302, 12319), (307, 12340), (345, 12502), (358, 12595), (361, 12610), (373, 12667), (374, 12670), (384, 12715), (386, 12724), (387, 12733), (392, 12754), (399, 12799), (402, 12811), (412, 12856), (417, 12877), (419, 12886), (428, 12943), (441, 13012), (448, 13054), (449, 13063), (452, 13078), (453, 13081), (458, 13105), (459, 13123), (469, 13171),

Gene: Ricotta_11 Start: 9463, Stop: 11208, Start Num: 75
Candidate Starts for Ricotta_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9997), (264, 10123), (277, 10174), (302, 10282), (361, 10576), (373, 10633), (384, 10678), (386, 10687), (387, 10696), (412, 10819), (427, 10897), (428, 10906), (442, 10981), (448, 11017), (453, 11044), (456, 11062), (459, 11086), (471, 11140), (473, 11146), (475, 11158),

Gene: Riggan_12 Start: 9761, Stop: 11506, Start Num: 75
Candidate Starts for Riggan_12:
(Start: 75 @9761 has 297 MA's), (119, 9908), (224, 10295), (264, 10421), (277, 10472), (302, 10580), (361, 10874), (373, 10931), (384, 10976), (386, 10985), (387, 10994), (412, 11117), (427, 11195), (428, 11204), (442, 11279), (448, 11315), (453, 11342), (456, 11360), (459, 11384), (471, 11438), (473, 11444), (475, 11456),

Gene: Rimu_12 Start: 9460, Stop: 11202, Start Num: 75
Candidate Starts for Rimu_12:
(Start: 75 @9460 has 297 MA's), (119, 9607), (224, 9991), (264, 10117), (277, 10168), (302, 10276), (361, 10570), (373, 10627), (384, 10672), (386, 10681), (387, 10690), (412, 10813), (427, 10891), (428, 10900), (442, 10975), (448, 11011), (453, 11038), (456, 11056), (459, 11080), (471, 11134), (473, 11140), (475, 11152),

Gene: Rinkes_17 Start: 13400, Stop: 15253, Start Num: 45
Candidate Starts for Rinkes_17:
(Start: 45 @13400 has 37 MA's), (62, 13451), (81, 13484), (114, 13613), (134, 13676), (148, 13727), (183, 13898), (218, 14021), (226, 14051), (251, 14132), (270, 14183), (271, 14189), (272, 14192), (287, 14243), (294, 14270), (296, 14273), (302, 14330), (308, 14357), (341, 14495), (344, 14507), (361, 14621), (373, 14678), (383, 14723), (387, 14744), (392, 14765), (408, 14846), (412, 14867), (419, 14894), (428, 14951), (433, 14993), (439, 15005), (441, 15020), (443, 15029), (444, 15032), (448, 15062), (452, 15086), (453, 15089), (456, 15107), (459, 15131), (473, 15191), (475, 15203),

Gene: Rita130_13 Start: 11400, Stop: 13247, Start Num: 47
Candidate Starts for Rita130_13:
(Start: 39 @11376 has 3 MA's), (Start: 47 @11400 has 125 MA's), (54, 11433), (81, 11484), (Start: 88 @11508 has 22 MA's), (114, 11613), (125, 11643), (128, 11652), (213, 11982), (224, 12015), (244, 12084), (263, 12138), (270, 12162), (271, 12168), (302, 12321), (345, 12504), (361, 12612), (373, 12669), (374, 12672), (384, 12717), (386, 12726), (387, 12735), (391, 12753), (402, 12813), (412, 12858), (417, 12879), (419, 12888), (423, 12915), (428, 12945), (441, 13014), (448, 13056), (452, 13080), (453, 13083), (459, 13125), (469, 13173),

Gene: Rita1961_14 Start: 11021, Stop: 13036, Start Num: 78
Candidate Starts for Rita1961_14:

(Start: 69 @11009 has 6 MA's), (Start: 78 @11021 has 57 MA's), (82, 11036), (103, 11114), (112, 11162), (213, 11519), (221, 11543), (277, 11708), (291, 11756), (302, 11828), (316, 11909), (326, 11963), (373, 12182), (374, 12185), (386, 12239), (396, 12287), (408, 12350), (412, 12371), (413, 12374), (448, 12566), (449, 12575), (453, 12593), (456, 12611), (457, 12614), (462, 12656), (471, 12689), (493, 12779), (494, 12812), (497, 12929),

Gene: RiverRaider_21 Start: 14172, Stop: 16070, Start Num: 47
Candidate Starts for RiverRaider_21:
(16, 14094), (Start: 47 @14172 has 125 MA's), (116, 14403), (122, 14421), (141, 14496), (176, 14670), (204, 14751), (226, 14817), (245, 14886), (309, 15144), (311, 15150), (321, 15213), (323, 15225), (324, 15228), (325, 15240), (351, 15327), (373, 15450), (378, 15486), (398, 15591), (408, 15630), (419, 15681), (424, 15714), (442, 15825), (443, 15828), (444, 15831), (445, 15852), (451, 15879), (456, 15906), (460, 15936), (461, 15948),

Gene: Riverton_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Riverton_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Rizwana_19 Start: 13218, Stop: 14954, Start Num: 88
Candidate Starts for Rizwana_19:
(64, 13155), (Start: 88 @13218 has 22 MA's), (169, 13608), (190, 13644), (266, 13878), (297, 13986), (303, 14049), (306, 14058), (310, 14079), (324, 14160), (353, 14259), (354, 14262), (359, 14304), (364, 14328), (368, 14349), (369, 14355), (397, 14484), (410, 14544), (419, 14583), (425, 14625), (444, 14718), (463, 14841), (471, 14871),

Gene: RoadKill_18 Start: 13249, Stop: 15138, Start Num: 47
Candidate Starts for RoadKill_18:
(43, 13240), (Start: 47 @13249 has 125 MA's), (71, 13315), (116, 13483), (122, 13501), (180, 13774), (217, 13870), (279, 14077), (298, 14155), (311, 14224), (321, 14287), (323, 14299), (324, 14302), (348, 14386), (351, 14401), (368, 14500), (378, 14554), (398, 14659), (419, 14749), (431, 14830), (441, 14887), (444, 14899), (453, 14956), (454, 14968), (460, 15004), (475, 15070),

Gene: RobinRose_26 Start: 13174, Stop: 14952, Start Num: 89
Candidate Starts for RobinRose_26:
(Start: 89 @13174 has 11 MA's), (95, 13186), (163, 13528), (207, 13645), (237, 13771), (273, 13885), (284, 13915), (324, 14128), (349, 14209), (351, 14218), (364, 14296), (366, 14302), (368, 14317), (397, 14461), (405, 14503), (417, 14554), (441, 14701), (443, 14710), (469, 14860), (473, 14872),

Gene: RobsFeet_28 Start: 13750, Stop: 15771, Start Num: 66
Candidate Starts for RobsFeet_28:
(Start: 66 @13750 has 55 MA's), (212, 14335), (230, 14416), (238, 14440), (251, 14485), (259, 14506), (261, 14509), (299, 14659), (336, 14917), (338, 14989), (345, 15049), (348, 15073), (373, 15211), (379, 15235), (381, 15238), (402, 15349), (428, 15478), (429, 15493), (431, 15502), (441, 15529), (444, 15541), (448, 15571), (453, 15598), (473, 15700),

Gene: Robyn_11 Start: 9309, Stop: 11057, Start Num: 75
Candidate Starts for Robyn_11:
(Start: 75 @9309 has 297 MA's), (119, 9456), (224, 9846), (264, 9972), (277, 10023), (302, 10131), (361, 10425), (373, 10482), (384, 10527), (386, 10536), (387, 10545), (412, 10668), (427, 10746), (428, 10755), (442, 10830), (448, 10866), (453, 10893), (456, 10911), (459, 10935), (471, 10989),

(473, 10995), (475, 11007),

Gene: Rockwell_26 Start: 13795, Stop: 15651, Start Num: 66
Candidate Starts for Rockwell_26:
(Start: 66 @13795 has 55 MA's), (212, 14371), (223, 14416), (230, 14452), (251, 14521), (259, 14542), (261, 14545), (269, 14575), (299, 14695), (313, 14776), (340, 14890), (345, 14917), (381, 15106), (428, 15346), (429, 15361), (444, 15409), (448, 15439), (450, 15451), (453, 15466), (455, 15481), (463, 15532), (468, 15550), (473, 15568),

Gene: Rofo_20 Start: 15139, Stop: 17046, Start Num: 47
Candidate Starts for Rofo_20:
(Start: 47 @15139 has 125 MA's), (116, 15370), (122, 15388), (176, 15655), (226, 15793), (245, 15862), (255, 15895), (309, 16120), (311, 16126), (321, 16189), (323, 16201), (324, 16204), (325, 16216), (373, 16426), (378, 16462), (408, 16606), (419, 16657), (442, 16801), (443, 16804), (444, 16807), (451, 16855), (460, 16912),

Gene: RogerDodger_22 Start: 12733, Stop: 14619, Start Num: 47
Candidate Starts for RogerDodger_22:
(Start: 47 @12733 has 125 MA's), (118, 12970), (122, 12982), (136, 13036), (180, 13258), (236, 13420), (247, 13453), (311, 13705), (322, 13777), (342, 13834), (345, 13846), (364, 13963), (373, 14008), (374, 14011), (398, 14134), (401, 14146), (416, 14206), (441, 14359), (443, 14368), (454, 14440), (459, 14470), (475, 14542), (480, 14566),

Gene: Roliet_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Roliet_12:
(Start: 75 @9757 has 297 MA's), (119, 9904), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: RomaT_14 Start: 11807, Stop: 13822, Start Num: 78
Candidate Starts for RomaT_14:
(Start: 78 @11807 has 57 MA's), (82, 11822), (103, 11900), (112, 11948), (213, 12305), (221, 12329), (277, 12494), (291, 12542), (302, 12614), (316, 12695), (326, 12749), (373, 12968), (374, 12971), (386, 13025), (396, 13073), (408, 13136), (412, 13157), (413, 13160), (448, 13352), (449, 13361), (453, 13379), (456, 13397), (457, 13400), (462, 13442), (471, 13475), (493, 13565), (494, 13598), (497, 13715),

Gene: RomansRevenge_16 Start: 11444, Stop: 13249, Start Num: 77
Candidate Starts for RomansRevenge_16:
(Start: 77 @11444 has 1 MA's), (Start: 88 @11492 has 22 MA's), (109, 11582), (158, 11834), (160, 11849), (189, 11942), (222, 12053), (224, 12062), (244, 12131), (263, 12176), (275, 12218), (300, 12323), (311, 12380), (324, 12458), (351, 12548), (353, 12557), (368, 12647), (391, 12749), (415, 12866), (427, 12929), (444, 13013), (453, 13070), (454, 13082), (463, 13136),

Gene: Romm_26 Start: 13174, Stop: 14952, Start Num: 89
Candidate Starts for Romm_26:
(Start: 89 @13174 has 11 MA's), (95, 13186), (163, 13528), (207, 13645), (237, 13771), (273, 13885), (284, 13915), (324, 14128), (349, 14209), (351, 14218), (364, 14296), (366, 14302), (368, 14317), (397, 14461), (405, 14503), (417, 14554), (441, 14701), (443, 14710), (469, 14860), (473, 14872),

Gene: Roscoe_13 Start: 9992, Stop: 11737, Start Num: 75
Candidate Starts for Roscoe_13:

(Start: 75 @9992 has 297 MA's), (224, 10526), (264, 10652), (277, 10703), (302, 10811), (361, 11105), (373, 11162), (384, 11207), (386, 11216), (387, 11225), (412, 11348), (427, 11426), (428, 11435), (442, 11510), (448, 11546), (453, 11573), (456, 11591), (459, 11615), (471, 11669), (473, 11675), (475, 11687),

Gene: Rosebush_15 Start: 12528, Stop: 14555, Start Num: 73
Candidate Starts for Rosebush_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12747), (146, 12774), (158, 12861), (213, 13026), (234, 13098), (277, 13215), (293, 13275), (297, 13293), (302, 13347), (316, 13428), (373, 13701), (374, 13704), (387, 13770), (438, 14028), (448, 14088), (449, 14097), (453, 14115), (458, 14139), (471, 14211), (484, 14259), (495, 14403), (497, 14442), (501, 14499), (502, 14535), (503, 14541),

Gene: Rowlf_21 Start: 13250, Stop: 15082, Start Num: 91
Candidate Starts for Rowlf_21:
(Start: 91 @13250 has 42 MA's), (95, 13259), (116, 13358), (197, 13724), (237, 13892), (242, 13907), (262, 13967), (273, 14015), (275, 14021), (284, 14045), (307, 14162), (308, 14168), (324, 14261), (349, 14342), (366, 14435), (368, 14450), (376, 14498), (383, 14522), (394, 14570), (397, 14594), (407, 14642), (417, 14684), (440, 14819), (441, 14831), (443, 14840), (453, 14900), (464, 14969), (473, 15002),

Gene: Roy17_12 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Roy17_12:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: RubyRalph_27 Start: 13767, Stop: 15596, Start Num: 90
Candidate Starts for RubyRalph_27:
(Start: 90 @13767 has 4 MA's), (95, 13779), (126, 13908), (165, 14136), (167, 14154), (214, 14313), (237, 14397), (262, 14475), (273, 14523), (284, 14553), (306, 14667), (324, 14769), (343, 14811), (349, 14850), (351, 14859), (366, 14943), (368, 14958), (394, 15078), (397, 15102), (405, 15144), (407, 15150), (417, 15192), (440, 15327), (443, 15348), (445, 15372), (449, 15390), (453, 15408), (473, 15510),

Gene: Rudy_23 Start: 13492, Stop: 15324, Start Num: 91
Candidate Starts for Rudy_23:
(Start: 91 @13492 has 42 MA's), (95, 13501), (116, 13600), (197, 13966), (237, 14134), (242, 14149), (262, 14209), (273, 14257), (275, 14263), (284, 14287), (307, 14404), (308, 14410), (324, 14503), (349, 14584), (366, 14677), (368, 14692), (376, 14740), (383, 14764), (394, 14812), (397, 14836), (407, 14884), (417, 14926), (440, 15061), (441, 15073), (443, 15082), (453, 15142), (464, 15211), (473, 15244),

Gene: SDcharge11_12 Start: 9750, Stop: 11495, Start Num: 75
Candidate Starts for SDcharge11_12:
(Start: 75 @9750 has 297 MA's), (119, 9897), (224, 10284), (264, 10410), (277, 10461), (302, 10569), (361, 10863), (373, 10920), (384, 10965), (386, 10974), (387, 10983), (412, 11106), (427, 11184), (428, 11193), (442, 11268), (448, 11304), (453, 11331), (456, 11349), (459, 11373), (471, 11427), (473, 11433), (475, 11445),

Gene: Sabella_15 Start: 12411, Stop: 14441, Start Num: 73
Candidate Starts for Sabella_15:

(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12633), (158, 12747), (213, 12912), (234, 12984), (277, 13101), (293, 13161), (297, 13179), (302, 13233), (316, 13314), (373, 13587), (374, 13590), (387, 13656), (438, 13914), (448, 13974), (449, 13983), (453, 14001), (458, 14025), (471, 14097), (484, 14145), (495, 14289), (497, 14328), (501, 14385), (502, 14421), (503, 14427),

Gene: SadLad_29 Start: 14704, Stop: 16533, Start Num: 90
Candidate Starts for SadLad_29:
(Start: 90 @14704 has 4 MA's), (95, 14716), (126, 14845), (165, 15073), (167, 15091), (214, 15250), (237, 15334), (262, 15412), (273, 15460), (284, 15490), (306, 15604), (324, 15706), (343, 15748), (349, 15787), (366, 15880), (368, 15895), (394, 16015), (397, 16039), (405, 16081), (407, 16087), (417, 16129), (440, 16264), (443, 16285), (445, 16309), (449, 16327), (453, 16345), (473, 16447),

Gene: Saguaro_14 Start: 12330, Stop: 14147, Start Num: 45
Candidate Starts for Saguaro_14:
(Start: 45 @12330 has 37 MA's), (49, 12342), (62, 12375), (81, 12402), (Start: 88 @12426 has 22 MA's), (103, 12474), (119, 12540), (199, 12831), (213, 12885), (224, 12918), (244, 12987), (251, 13014), (264, 13044), (267, 13053), (302, 13221), (307, 13242), (344, 13398), (354, 13458), (361, 13512), (372, 13560), (373, 13569), (377, 13596), (383, 13614), (386, 13626), (387, 13635), (392, 13656), (402, 13713), (408, 13737), (417, 13776), (419, 13785), (439, 13896), (442, 13917), (448, 13953), (453, 13980), (458, 14004), (459, 14022), (463, 14046), (471, 14076), (475, 14094),

Gene: Salazzle_11 Start: 9318, Stop: 11063, Start Num: 75
Candidate Starts for Salazzle_11:
(Start: 75 @9318 has 297 MA's), (224, 9852), (264, 9978), (277, 10029), (302, 10137), (361, 10431), (373, 10488), (384, 10533), (386, 10542), (387, 10551), (412, 10674), (427, 10752), (428, 10761), (442, 10836), (448, 10872), (453, 10899), (456, 10917), (459, 10941), (471, 10995), (473, 11001), (475, 11013),

Gene: Salete_13 Start: 13751, Stop: 15445, Start Num: 106
Candidate Starts for Salete_13:
(Start: 106 @13751 has 12 MA's), (108, 13760), (138, 13862), (157, 13994), (159, 14018), (190, 14114), (210, 14195), (220, 14240), (225, 14249), (231, 14282), (239, 14309), (241, 14312), (259, 14360), (268, 14393), (269, 14396), (279, 14435), (281, 14441), (299, 14519), (305, 14552), (323, 14642), (351, 14732), (361, 14798), (364, 14810), (365, 14813), (387, 14930), (395, 14963), (401, 15005), (425, 15122), (443, 15218), (452, 15275), (462, 15338), (464, 15344), (473, 15377), (477, 15401), (485, 15419), (489, 15434),

Gene: SallyH_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for SallyH_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: SallyK_26 Start: 14644, Stop: 16470, Start Num: 91
Candidate Starts for SallyK_26:
(Start: 91 @14644 has 42 MA's), (95, 14653), (116, 14752), (184, 15079), (237, 15280), (242, 15295), (262, 15355), (273, 15403), (284, 15433), (307, 15550), (308, 15556), (324, 15649), (349, 15730), (366, 15823), (368, 15838), (376, 15886), (383, 15910), (394, 15958), (397, 15982), (407, 16030), (417, 16072), (440, 16207), (443, 16228), (450, 16273), (453, 16288), (464, 16357), (473, 16390),

Gene: Salvador_19 Start: 11842, Stop: 13740, Start Num: 47
Candidate Starts for Salvador_19:

(Start: 47 @11842 has 125 MA's), (118, 12079), (122, 12091), (136, 12145), (180, 12376), (236, 12538), (247, 12571), (311, 12835), (342, 12964), (345, 12976), (364, 13093), (373, 13138), (374, 13141), (387, 13201), (391, 13219), (395, 13234), (398, 13264), (401, 13276), (402, 13279), (427, 13399), (432, 13438), (443, 13498), (454, 13570), (459, 13600), (463, 13624), (470, 13651), (471, 13654), (476, 13681),

Gene: Samaymay_12 Start: 9754, Stop: 11502, Start Num: 75
Candidate Starts for Samaymay_12:
(Start: 75 @9754 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (397, 11041), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Sampson_21 Start: 15472, Stop: 17394, Start Num: 47
Candidate Starts for Sampson_21:
(Start: 47 @15472 has 125 MA's), (111, 15688), (116, 15703), (154, 15877), (196, 16015), (199, 16024), (215, 16093), (219, 16099), (234, 16153), (243, 16177), (306, 16429), (309, 16447), (311, 16453), (321, 16516), (323, 16528), (324, 16531), (325, 16543), (351, 16633), (356, 16660), (386, 16819), (400, 16897), (421, 16993), (427, 17029), (441, 17149), (445, 17182), (460, 17266), (470, 17311),

Gene: Sanjuju_18 Start: 14651, Stop: 16558, Start Num: 47
Candidate Starts for Sanjuju_18:
(Start: 47 @14651 has 125 MA's), (116, 14882), (122, 14900), (176, 15167), (226, 15305), (245, 15374), (255, 15407), (309, 15632), (311, 15638), (321, 15701), (323, 15713), (324, 15716), (325, 15728), (351, 15815), (359, 15869), (373, 15938), (378, 15974), (408, 16118), (419, 16169), (442, 16313), (443, 16316), (444, 16319), (451, 16367), (460, 16424),

Gene: Saronaya_20 Start: 14562, Stop: 16469, Start Num: 47
Candidate Starts for Saronaya_20:
(Start: 47 @14562 has 125 MA's), (97, 14697), (116, 14793), (176, 15075), (204, 15144), (217, 15192), (226, 15216), (234, 15252), (245, 15285), (252, 15309), (280, 15402), (309, 15543), (311, 15549), (321, 15612), (323, 15624), (324, 15627), (325, 15639), (351, 15726), (373, 15849), (378, 15885), (398, 15990), (408, 16029), (419, 16080), (441, 16218), (442, 16224), (443, 16227), (451, 16278), (460, 16335), (461, 16347), (464, 16356),

Gene: SassyCat97_11 Start: 9461, Stop: 11209, Start Num: 75
Candidate Starts for SassyCat97_11:
(Start: 75 @9461 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Savannah_26 Start: 13819, Stop: 15678, Start Num: 66
Candidate Starts for Savannah_26:
(Start: 66 @13819 has 55 MA's), (212, 14398), (223, 14443), (230, 14479), (251, 14548), (259, 14569), (261, 14572), (269, 14602), (299, 14722), (313, 14803), (340, 14917), (345, 14944), (381, 15133), (405, 15259), (428, 15373), (429, 15388), (444, 15436), (448, 15466), (450, 15478), (453, 15493), (455, 15508), (463, 15559), (468, 15577), (473, 15595),

Gene: Savbucketdawg_19 Start: 11635, Stop: 13521, Start Num: 47
Candidate Starts for Savbucketdawg_19:

(Start: 47 @11635 has 125 MA's), (118, 11872), (122, 11884), (136, 11938), (236, 12319), (247, 12352), (256, 12379), (342, 12745), (345, 12757), (364, 12874), (373, 12919), (374, 12922), (387, 12982), (391, 13000), (398, 13045), (401, 13057), (402, 13060), (427, 13180), (432, 13219), (443, 13279), (454, 13351), (459, 13381), (463, 13405), (470, 13432), (471, 13435), (476, 13462),

Gene: Schadenfreude_11 Start: 9305, Stop: 11047, Start Num: 75
Candidate Starts for Schadenfreude_11:
(Start: 75 @9305 has 297 MA's), (119, 9452), (224, 9836), (264, 9962), (277, 10013), (302, 10121), (361, 10415), (373, 10472), (384, 10517), (386, 10526), (387, 10535), (412, 10658), (427, 10736), (428, 10745), (442, 10820), (448, 10856), (453, 10883), (456, 10901), (459, 10925), (471, 10979), (473, 10985), (475, 10997),

Gene: SchottB_19 Start: 15551, Stop: 17470, Start Num: 47
Candidate Starts for SchottB_19:
(Start: 47 @15551 has 125 MA's), (97, 15686), (116, 15782), (176, 16076), (204, 16145), (217, 16193), (226, 16217), (234, 16253), (245, 16286), (252, 16310), (280, 16403), (309, 16544), (311, 16550), (321, 16613), (323, 16625), (324, 16628), (325, 16640), (351, 16727), (373, 16850), (378, 16886), (386, 16919), (398, 16991), (408, 17030), (419, 17081), (442, 17225), (443, 17228), (451, 17279), (460, 17336), (461, 17348), (464, 17357),

Gene: Schueller_11 Start: 9461, Stop: 11206, Start Num: 75
Candidate Starts for Schueller_11:
(Start: 75 @9461 has 297 MA's), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (308, 10307), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: Scioto_21 Start: 15527, Stop: 17449, Start Num: 47
Candidate Starts for Scioto_21:
(Start: 47 @15527 has 125 MA's), (111, 15743), (116, 15758), (154, 15932), (196, 16070), (199, 16079), (215, 16148), (219, 16154), (234, 16208), (243, 16232), (306, 16484), (309, 16502), (311, 16508), (321, 16571), (323, 16583), (324, 16586), (325, 16598), (351, 16688), (356, 16715), (386, 16874), (400, 16952), (421, 17048), (427, 17084), (441, 17204), (445, 17237), (460, 17321), (470, 17366),

Gene: Scoot17C_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Scoot17C_12:
(Start: 75 @9758 has 297 MA's), (119, 9905), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Scrick_11 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Scrick_11:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Scumberland_28 Start: 14010, Stop: 15866, Start Num: 66
Candidate Starts for Scumberland_28:
(Start: 66 @14010 has 55 MA's), (212, 14586), (223, 14631), (230, 14667), (251, 14736), (259, 14757), (261, 14760), (269, 14790), (299, 14910), (313, 14991), (340, 15105), (345, 15132), (381, 15321),

(405, 15447), (428, 15561), (429, 15576), (444, 15624), (448, 15654), (450, 15666), (453, 15681), (455, 15696), (463, 15747), (468, 15765), (473, 15783),

Gene: Sedona_22 Start: 16968, Stop: 18863, Start Num: 47
Candidate Starts for Sedona_22:
(Start: 47 @16968 has 125 MA's), (116, 17199), (122, 17217), (176, 17472), (226, 17610), (245, 17679), (255, 17712), (309, 17937), (311, 17943), (321, 18006), (323, 18018), (324, 18021), (325, 18033), (351, 18120), (373, 18243), (378, 18279), (408, 18423), (419, 18474), (442, 18618), (443, 18621), (444, 18624), (451, 18672), (460, 18729), (489, 18846),

Gene: Sejanus_10 Start: 9723, Stop: 11489, Start Num: 78
Candidate Starts for Sejanus_10:
(Start: 33 @9606 has 1 MA's), (Start: 78 @9723 has 57 MA's), (162, 10080), (194, 10155), (202, 10191), (211, 10230), (213, 10245), (223, 10281), (232, 10323), (234, 10329), (272, 10437), (281, 10467), (346, 10776), (364, 10878), (372, 10914), (373, 10923), (390, 11007), (404, 11067), (408, 11082), (452, 11322), (455, 11340), (456, 11343), (474, 11433),

Gene: Selr12_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Selr12_12:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Selwyn23_28 Start: 13988, Stop: 15844, Start Num: 66
Candidate Starts for Selwyn23_28:
(Start: 66 @13988 has 55 MA's), (212, 14564), (223, 14609), (230, 14645), (251, 14714), (259, 14735), (261, 14738), (269, 14768), (299, 14888), (313, 14969), (340, 15083), (345, 15110), (381, 15299), (405, 15425), (428, 15539), (429, 15554), (444, 15602), (448, 15632), (450, 15644), (453, 15659), (455, 15674), (463, 15725), (468, 15743), (473, 15761),

Gene: Sendy_20 Start: 11979, Stop: 13871, Start Num: 47
Candidate Starts for Sendy_20:
(Start: 47 @11979 has 125 MA's), (118, 12216), (122, 12228), (136, 12282), (180, 12507), (236, 12669), (247, 12702), (256, 12729), (342, 13095), (345, 13107), (364, 13224), (373, 13269), (374, 13272), (387, 13332), (391, 13350), (398, 13395), (401, 13407), (402, 13410), (427, 13530), (432, 13569), (443, 13629), (454, 13701), (459, 13731), (463, 13755), (470, 13782), (471, 13785), (476, 13812),

Gene: Septica_11 Start: 9756, Stop: 11501, Start Num: 75
Candidate Starts for Septica_11:
(Start: 75 @9756 has 297 MA's), (119, 9903), (224, 10290), (264, 10416), (277, 10467), (302, 10575), (361, 10869), (363, 10878), (373, 10926), (384, 10971), (386, 10980), (387, 10989), (412, 11112), (427, 11190), (428, 11199), (442, 11274), (448, 11310), (453, 11337), (456, 11355), (459, 11379), (471, 11433), (473, 11439), (475, 11451),

Gene: Serendipitous_13 Start: 11421, Stop: 13295, Start Num: 39
Candidate Starts for Serendipitous_13:
(Start: 28 @11391 has 1 MA's), (Start: 39 @11421 has 3 MA's), (Start: 47 @11445 has 125 MA's), (54, 11478), (81, 11529), (84, 11541), (Start: 88 @11553 has 22 MA's), (114, 11658), (213, 12030), (224, 12063), (244, 12132), (264, 12189), (271, 12216), (299, 12351), (302, 12369), (345, 12552), (361, 12660), (373, 12717), (374, 12720), (384, 12765), (386, 12774), (387, 12783), (392, 12804), (402, 12861), (412, 12906), (441, 13062), (448, 13104), (449, 13113), (452, 13128), (453, 13131), (458,

13155), (459, 13173), (469, 13221),

Gene: Serendipity_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Serendipity_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Serpentine_0012 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Serpentine_0012:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: ShadowBud_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for ShadowBud_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: SharkTale_19 Start: 12583, Stop: 14484, Start Num: 47
Candidate Starts for SharkTale_19:
(Start: 47 @12583 has 125 MA's), (118, 12820), (122, 12832), (136, 12886), (236, 13276), (247, 13309), (255, 13333), (280, 13414), (288, 13441), (311, 13579), (342, 13708), (345, 13720), (351, 13759), (364, 13837), (373, 13882), (374, 13885), (387, 13945), (398, 14008), (401, 14020), (454, 14314), (459, 14344), (463, 14368), (470, 14395), (471, 14398), (473, 14404),

Gene: Shatter_11 Start: 9837, Stop: 11540, Start Num: 68
Candidate Starts for Shatter_11:
(Start: 68 @9837 has 23 MA's), (112, 9972), (164, 10188), (176, 10209), (213, 10284), (231, 10347), (270, 10446), (286, 10506), (304, 10605), (361, 10884), (373, 10941), (387, 11007), (408, 11109), (412, 11130), (417, 11148), (438, 11265), (448, 11325), (453, 11352), (458, 11376), (461, 11412), (471, 11448), (473, 11454), (492, 11529),

Gene: Sheila_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Sheila_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Shenandoah_14 Start: 11005, Stop: 13020, Start Num: 78
Candidate Starts for Shenandoah_14:
(Start: 69 @10993 has 6 MA's), (Start: 78 @11005 has 57 MA's), (82, 11020), (103, 11098), (112, 11146), (213, 11503), (221, 11527), (277, 11692), (291, 11740), (302, 11812), (316, 11893), (326, 11947), (373, 12166), (374, 12169), (386, 12223), (396, 12271), (408, 12334), (412, 12355), (413, 12358), (448, 12550), (449, 12559), (453, 12577), (456, 12595), (457, 12598), (462, 12640), (471, 12673), (493, 12763), (494, 12796), (497, 12913),

Gene: Shenyu_13 Start: 11390, Stop: 13231, Start Num: 47

Candidate Starts for Shenyu_13:
(Start: 39 @11366 has 3 MA's), (Start: 47 @11390 has 125 MA's), (54, 11423), (81, 11474), (Start: 88 @11498 has 22 MA's), (114, 11603), (146, 11708), (213, 11966), (224, 11999), (244, 12068), (264, 12125), (271, 12152), (302, 12305), (328, 12449), (345, 12488), (361, 12596), (373, 12653), (374, 12656), (384, 12701), (386, 12710), (387, 12719), (402, 12797), (412, 12842), (417, 12863), (428, 12929), (441, 12998), (448, 13040), (452, 13064), (453, 13067), (458, 13091), (459, 13109), (469, 13157),

Gene: ShiVal_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for ShiVal_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Shinji_19 Start: 11824, Stop: 13710, Start Num: 47
Candidate Starts for Shinji_19:
(Start: 47 @11824 has 125 MA's), (118, 12061), (122, 12073), (136, 12127), (236, 12508), (247, 12541), (256, 12568), (342, 12934), (345, 12946), (364, 13063), (373, 13108), (374, 13111), (387, 13171), (391, 13189), (398, 13234), (401, 13246), (402, 13249), (427, 13369), (432, 13408), (443, 13468), (454, 13540), (459, 13570), (463, 13594), (470, 13621), (471, 13624), (476, 13651),

Gene: Shivanishola_20 Start: 14945, Stop: 16852, Start Num: 47
Candidate Starts for Shivanishola_20:
(Start: 47 @14945 has 125 MA's), (116, 15176), (122, 15194), (176, 15461), (226, 15599), (245, 15668), (255, 15701), (309, 15926), (311, 15932), (321, 15995), (323, 16007), (324, 16010), (325, 16022), (351, 16109), (359, 16163), (373, 16232), (378, 16268), (408, 16412), (419, 16463), (442, 16607), (443, 16610), (444, 16613), (451, 16661), (460, 16718),

Gene: Shotgun_26 Start: 13617, Stop: 15476, Start Num: 66
Candidate Starts for Shotgun_26:
(Start: 66 @13617 has 55 MA's), (212, 14196), (223, 14241), (230, 14277), (251, 14346), (259, 14367), (261, 14370), (269, 14400), (299, 14520), (313, 14601), (340, 14715), (345, 14742), (381, 14931), (405, 15057), (428, 15171), (429, 15186), (444, 15234), (448, 15264), (450, 15276), (453, 15291), (455, 15306), (463, 15357), (468, 15375), (473, 15393),

Gene: Shrubaron_27 Start: 13384, Stop: 15405, Start Num: 66
Candidate Starts for Shrubaron_27:
(Start: 66 @13384 has 55 MA's), (212, 13969), (230, 14050), (238, 14074), (251, 14119), (259, 14140), (261, 14143), (299, 14293), (336, 14551), (338, 14623), (345, 14683), (348, 14707), (373, 14845), (379, 14869), (381, 14872), (402, 14983), (428, 15112), (429, 15127), (431, 15136), (441, 15163), (444, 15175), (448, 15205), (453, 15232), (473, 15334),

Gene: Sigman_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Sigman_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: SilentRX_21 Start: 13505, Stop: 15193, Start Num: 88
Candidate Starts for SilentRX_21:

(65, 13445), (72, 13457), (74, 13460), (Start: 88 @13505 has 22 MA's), (318, 14372), (324, 14402), (325, 14414), (352, 14498), (353, 14501), (354, 14504), (365, 14573), (378, 14645), (391, 14693), (415, 14810), (427, 14876), (448, 14993), (461, 15080), (463, 15086),

Gene: Sillytadpoles_24 Start: 13490, Stop: 15322, Start Num: 91
Candidate Starts for Sillytadpoles_24:
(Start: 91 @13490 has 42 MA's), (95, 13499), (116, 13598), (197, 13964), (237, 14132), (242, 14147), (262, 14207), (273, 14255), (275, 14261), (284, 14285), (307, 14402), (308, 14408), (324, 14501), (349, 14582), (366, 14675), (368, 14690), (376, 14738), (383, 14762), (394, 14810), (397, 14834), (407, 14882), (417, 14924), (440, 15059), (441, 15071), (443, 15080), (453, 15140), (464, 15209), (473, 15242),

Gene: SilverBell_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for SilverBell_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Simielle_11 Start: 9464, Stop: 11200, Start Num: 75
Candidate Starts for Simielle_11:
(Start: 75 @9464 has 297 MA's), (224, 9989), (264, 10115), (277, 10166), (302, 10274), (361, 10568), (373, 10625), (384, 10670), (386, 10679), (387, 10688), (412, 10811), (427, 10889), (428, 10898), (442, 10973), (448, 11009), (453, 11036), (456, 11054), (459, 11078), (471, 11132), (473, 11138), (475, 11150),

Gene: SirBeauregard_11 Start: 9418, Stop: 11163, Start Num: 75
Candidate Starts for SirBeauregard_11:
(Start: 75 @9418 has 297 MA's), (224, 9952), (264, 10078), (277, 10129), (302, 10237), (361, 10531), (373, 10588), (384, 10633), (386, 10642), (387, 10651), (412, 10774), (427, 10852), (428, 10861), (442, 10936), (448, 10972), (453, 10999), (456, 11017), (459, 11041), (471, 11095), (473, 11101), (475, 11113),

Gene: SirFrank_26 Start: 13737, Stop: 15587, Start Num: 66
Candidate Starts for SirFrank_26:
(Start: 66 @13737 has 55 MA's), (212, 14313), (223, 14358), (230, 14394), (251, 14463), (259, 14484), (261, 14487), (269, 14517), (299, 14637), (340, 14832), (345, 14859), (352, 14904), (381, 15048), (411, 15198), (412, 15204), (428, 15288), (444, 15351), (448, 15381), (450, 15393), (453, 15408), (455, 15423), (463, 15474), (468, 15492),

Gene: SirJeffery_13 Start: 11377, Stop: 13248, Start Num: 39
Candidate Starts for SirJeffery_13:
(Start: 39 @11377 has 3 MA's), (Start: 47 @11401 has 125 MA's), (54, 11434), (81, 11485), (Start: 88 @11509 has 22 MA's), (114, 11614), (125, 11644), (128, 11653), (213, 11983), (224, 12016), (244, 12085), (263, 12139), (270, 12163), (271, 12169), (302, 12322), (345, 12505), (361, 12613), (373, 12670), (374, 12673), (384, 12718), (386, 12727), (387, 12736), (391, 12754), (402, 12814), (412, 12859), (417, 12880), (419, 12889), (423, 12916), (428, 12946), (441, 13015), (448, 13057), (452, 13081), (453, 13084), (459, 13126), (469, 13174),

Gene: Sisko_11 Start: 10177, Stop: 11874, Start Num: 68
Candidate Starts for Sisko_11:
(Start: 68 @10177 has 23 MA's), (193, 10558), (213, 10618), (234, 10690), (270, 10780), (296, 10870), (307, 10948), (361, 11218), (373, 11275), (386, 11332), (387, 11341), (408, 11443), (412, 11464),

(417, 11482), (448, 11659), (451, 11677), (452, 11683), (453, 11686), (458, 11710), (462, 11749), (471, 11782), (473, 11788),

Gene: Sitar_22 Start: 16336, Stop: 18231, Start Num: 47
Candidate Starts for Sitar_22:
(Start: 47 @16336 has 125 MA's), (116, 16567), (122, 16585), (176, 16840), (226, 16978), (245, 17047), (255, 17080), (309, 17305), (311, 17311), (321, 17374), (323, 17386), (324, 17389), (325, 17401), (351, 17488), (373, 17611), (378, 17647), (408, 17791), (419, 17842), (442, 17986), (443, 17989), (444, 17992), (451, 18040), (460, 18097), (489, 18214),

Gene: Sixsevenium_20 Start: 11735, Stop: 13636, Start Num: 47
Candidate Starts for Sixsevenium_20:
(Start: 47 @11735 has 125 MA's), (118, 11972), (122, 11984), (136, 12038), (236, 12425), (247, 12458), (255, 12482), (280, 12563), (288, 12590), (311, 12728), (342, 12857), (345, 12869), (351, 12908), (364, 12986), (373, 13031), (374, 13034), (378, 13055), (387, 13097), (392, 13118), (398, 13160), (401, 13172), (454, 13466), (459, 13496), (463, 13520), (471, 13550),

Gene: Skippy_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Skippy_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Skugga_25 Start: 13080, Stop: 15104, Start Num: 66
Candidate Starts for Skugga_25:
(Start: 66 @13080 has 55 MA's), (168, 13554), (212, 13668), (222, 13707), (230, 13749), (238, 13773), (251, 13818), (259, 13839), (261, 13842), (265, 13857), (279, 13911), (299, 13992), (308, 14037), (311, 14052), (345, 14382), (348, 14406), (373, 14544), (379, 14568), (381, 14571), (402, 14682), (412, 14727), (428, 14811), (429, 14826), (441, 14862), (444, 14874), (448, 14904), (453, 14931), (473, 15033),

Gene: Slatt_12 Start: 9759, Stop: 11507, Start Num: 75
Candidate Starts for Slatt_12:
(Start: 75 @9759 has 297 MA's), (224, 10296), (264, 10422), (277, 10473), (302, 10581), (361, 10875), (373, 10932), (384, 10977), (386, 10986), (387, 10995), (412, 11118), (427, 11196), (428, 11205), (442, 11280), (448, 11316), (453, 11343), (456, 11361), (459, 11385), (471, 11439), (473, 11445), (475, 11457),

Gene: SlippinJimmy_14 Start: 11788, Stop: 13806, Start Num: 78
Candidate Starts for SlippinJimmy_14:
(Start: 78 @11788 has 57 MA's), (82, 11803), (103, 11881), (112, 11929), (213, 12289), (221, 12313), (277, 12478), (291, 12526), (302, 12598), (316, 12679), (326, 12733), (373, 12952), (374, 12955), (386, 13009), (396, 13057), (408, 13120), (412, 13141), (413, 13144), (448, 13336), (449, 13345), (453, 13363), (456, 13381), (457, 13384), (462, 13426), (471, 13459), (493, 13549), (494, 13582), (497, 13699),

Gene: SlySloth_27 Start: 14547, Stop: 16379, Start Num: 91
Candidate Starts for SlySloth_27:
(Start: 91 @14547 has 42 MA's), (95, 14556), (116, 14655), (197, 15021), (237, 15189), (242, 15204), (262, 15264), (273, 15312), (275, 15318), (284, 15342), (307, 15459), (308, 15465), (324, 15558), (349, 15639), (366, 15732), (368, 15747), (376, 15795), (383, 15819), (394, 15867), (397, 15891), (407, 15939), (417, 15981), (440, 16116), (443, 16137), (453, 16197), (464, 16266), (473, 16299),

Gene: Smarties_35 Start: 15581, Stop: 17596, Start Num: 66
Candidate Starts for Smarties_35:
(Start: 66 @15581 has 55 MA's), (212, 16160), (223, 16205), (230, 16241), (238, 16265), (251, 16310), (259, 16331), (265, 16349), (299, 16484), (338, 16814), (339, 16817), (345, 16874), (348, 16898), (373, 17036), (381, 17063), (402, 17174), (428, 17303), (429, 17318), (431, 17327), (441, 17354), (444, 17366), (448, 17396), (453, 17423), (468, 17507), (473, 17525),

Gene: SmokingBunny_19 Start: 11842, Stop: 13740, Start Num: 47
Candidate Starts for SmokingBunny_19:
(Start: 47 @11842 has 125 MA's), (118, 12079), (122, 12091), (136, 12145), (180, 12376), (236, 12538), (247, 12571), (311, 12835), (342, 12964), (345, 12976), (364, 13093), (373, 13138), (374, 13141), (387, 13201), (391, 13219), (395, 13234), (398, 13264), (401, 13276), (402, 13279), (427, 13399), (432, 13438), (443, 13498), (454, 13570), (459, 13600), (463, 13624), (470, 13651), (471, 13654), (476, 13681),

Gene: Soile_12 Start: 9463, Stop: 11208, Start Num: 75
Candidate Starts for Soile_12:
(Start: 75 @9463 has 297 MA's), (224, 9997), (264, 10123), (277, 10174), (302, 10282), (361, 10576), (373, 10633), (384, 10678), (386, 10687), (387, 10696), (412, 10819), (427, 10897), (428, 10906), (442, 10981), (448, 11017), (453, 11044), (456, 11062), (459, 11086), (471, 11140), (473, 11146), (475, 11158),

Gene: Solosis_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Solosis_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Soos_40 Start: 22417, Stop: 24207, Start Num: 57
Candidate Starts for Soos_40:
(41, 22357), (55, 22411), (Start: 57 @22417 has 7 MA's), (213, 22987), (218, 22999), (258, 23119), (260, 23122), (274, 23179), (309, 23332), (311, 23338), (314, 23365), (323, 23407), (345, 23461), (351, 23500), (360, 23560), (383, 23665), (384, 23668), (393, 23710), (394, 23713), (403, 23767), (404, 23773), (424, 23869), (427, 23884), (428, 23893), (463, 24118), (473, 24154), (475, 24166), (480, 24190),

Gene: Sophia_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Sophia_11:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Soto_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Soto_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Sour_14 Start: 11491, Stop: 13185, Start Num: 68

Candidate Starts for Sour_14:
(Start: 68 @11491 has 23 MA's), (112, 11626), (164, 11827), (213, 11929), (270, 12091), (302, 12238), (304, 12250), (351, 12463), (361, 12529), (373, 12586), (374, 12589), (377, 12613), (387, 12652), (394, 12679), (402, 12730), (408, 12754), (412, 12775), (417, 12793), (438, 12910), (441, 12928), (442, 12934), (444, 12940), (448, 12970), (449, 12979), (451, 12988), (453, 12997), (458, 13021), (471, 13093), (473, 13099), (492, 13174),

Gene: Spartan300_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Spartan300_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Spiderpig_24 Start: 12993, Stop: 14771, Start Num: 89
Candidate Starts for Spiderpig_24:
(Start: 89 @12993 has 11 MA's), (95, 13005), (163, 13350), (207, 13464), (237, 13590), (262, 13656), (273, 13704), (284, 13734), (324, 13947), (349, 14028), (351, 14037), (364, 14115), (366, 14121), (368, 14136), (397, 14280), (405, 14322), (417, 14373), (441, 14520), (443, 14529), (469, 14679), (473, 14691), (487, 14751),

Gene: Squash_27 Start: 14560, Stop: 16392, Start Num: 91
Candidate Starts for Squash_27:
(Start: 91 @14560 has 42 MA's), (95, 14569), (116, 14668), (197, 15034), (237, 15202), (242, 15217), (262, 15277), (273, 15325), (275, 15331), (284, 15355), (307, 15472), (308, 15478), (324, 15571), (349, 15652), (366, 15745), (368, 15760), (376, 15808), (383, 15832), (394, 15880), (397, 15904), (407, 15952), (417, 15994), (440, 16129), (441, 16141), (443, 16150), (453, 16210), (464, 16279), (473, 16312),

Gene: Squid_12 Start: 9461, Stop: 11209, Start Num: 75
Candidate Starts for Squid_12:
(Start: 75 @9461 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Squiggle_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Squiggle_12:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: StAugustine_17 Start: 13254, Stop: 15374, Start Num: 70
Candidate Starts for StAugustine_17:
(Start: 70 @13254 has 2 MA's), (79, 13269), (195, 13719), (213, 13782), (226, 13818), (254, 13920), (302, 14112), (316, 14193), (348, 14307), (361, 14388), (373, 14445), (387, 14508), (392, 14529), (421, 14673), (441, 14787), (448, 14829), (453, 14856), (459, 14898), (471, 14952), (498, 15204),

Gene: Statler_26 Start: 14472, Stop: 16304, Start Num: 91
Candidate Starts for Statler_26:
(Start: 91 @14472 has 42 MA's), (95, 14481), (116, 14580), (197, 14946), (237, 15114), (242, 15129), (262, 15189), (273, 15237), (275, 15243), (284, 15267), (307, 15384), (308, 15390), (324, 15483),

(349, 15564), (366, 15657), (368, 15672), (376, 15720), (383, 15744), (394, 15792), (397, 15816), (407, 15864), (417, 15906), (440, 16041), (441, 16053), (443, 16062), (453, 16122), (464, 16191), (473, 16224),

Gene: Stichling_19 Start: 14115, Stop: 16025, Start Num: 47
Candidate Starts for Stichling_19:
(Start: 47 @14115 has 125 MA's), (97, 14250), (116, 14346), (176, 14631), (204, 14700), (217, 14748), (226, 14772), (234, 14808), (245, 14841), (252, 14865), (280, 14958), (309, 15099), (311, 15105), (321, 15168), (323, 15180), (324, 15183), (325, 15195), (351, 15282), (373, 15405), (378, 15441), (386, 15474), (398, 15546), (408, 15585), (419, 15636), (442, 15780), (443, 15783), (451, 15834), (460, 15891), (461, 15903), (464, 15912),

Gene: Stillion_43 Start: 23002, Stop: 24792, Start Num: 57
Candidate Starts for Stillion_43:
(41, 22942), (55, 22996), (Start: 57 @23002 has 7 MA's), (205, 23539), (213, 23572), (218, 23584), (258, 23704), (260, 23707), (274, 23764), (309, 23917), (311, 23923), (323, 23992), (359, 24139), (383, 24250), (384, 24253), (393, 24295), (394, 24298), (402, 24349), (403, 24352), (404, 24358), (424, 24454), (427, 24469), (428, 24478), (463, 24703), (473, 24739), (475, 24751), (480, 24775),

Gene: Sting_43 Start: 22856, Stop: 24646, Start Num: 57
Candidate Starts for Sting_43:
(41, 22796), (55, 22850), (Start: 57 @22856 has 7 MA's), (205, 23393), (213, 23426), (218, 23438), (258, 23558), (260, 23561), (274, 23618), (309, 23771), (311, 23777), (314, 23804), (323, 23846), (383, 24104), (384, 24107), (393, 24149), (394, 24152), (403, 24206), (404, 24212), (424, 24308), (427, 24323), (428, 24332), (463, 24557), (473, 24593), (475, 24605), (480, 24629),

Gene: Stinger_10 Start: 9910, Stop: 11709, Start Num: 45
Candidate Starts for Stinger_10:
(Start: 45 @9910 has 37 MA's), (53, 9940), (81, 9976), (125, 10126), (143, 10189), (200, 10399), (213, 10456), (226, 10495), (244, 10552), (263, 10606), (264, 10609), (270, 10630), (272, 10639), (287, 10690), (302, 10777), (351, 11005), (354, 11017), (361, 11071), (374, 11131), (377, 11155), (384, 11176), (386, 11185), (387, 11194), (392, 11215), (408, 11296), (419, 11344), (428, 11401), (439, 11455), (443, 11479), (448, 11512), (453, 11539), (456, 11557), (458, 11563), (459, 11581), (471, 11635), (473, 11641), (475, 11653),

Gene: StinkyVeggy_14 Start: 11554, Stop: 13395, Start Num: 47
Candidate Starts for StinkyVeggy_14:
(Start: 39 @11530 has 3 MA's), (Start: 47 @11554 has 125 MA's), (54, 11587), (Start: 88 @11662 has 22 MA's), (114, 11767), (145, 11869), (213, 12130), (224, 12163), (244, 12232), (264, 12289), (271, 12316), (302, 12469), (306, 12487), (328, 12613), (345, 12652), (361, 12760), (373, 12817), (374, 12820), (384, 12865), (386, 12874), (387, 12883), (402, 12961), (412, 13006), (417, 13027), (428, 13093), (432, 13123), (441, 13162), (448, 13204), (449, 13213), (452, 13228), (453, 13231), (458, 13255), (459, 13273), (469, 13321),

Gene: StorminNorm_20 Start: 14442, Stop: 16349, Start Num: 47
Candidate Starts for StorminNorm_20:
(Start: 47 @14442 has 125 MA's), (97, 14577), (116, 14673), (176, 14955), (204, 15024), (217, 15072), (226, 15096), (234, 15132), (245, 15165), (252, 15189), (280, 15282), (309, 15423), (311, 15429), (321, 15492), (323, 15504), (324, 15507), (325, 15519), (351, 15606), (373, 15729), (378, 15765), (398, 15870), (408, 15909), (419, 15960), (441, 16098), (442, 16104), (443, 16107), (451, 16158), (460, 16215), (461, 16227), (464, 16236), (490, 16335),

Gene: StrawberryJamm_27 Start: 13792, Stop: 15624, Start Num: 91

Candidate Starts for StrawberryJamm_27:
(Start: 91 @13792 has 42 MA's), (95, 13801), (116, 13900), (184, 14233), (237, 14434), (242, 14449), (262, 14509), (273, 14557), (284, 14587), (307, 14704), (308, 14710), (324, 14803), (349, 14884), (366, 14977), (368, 14992), (376, 15040), (383, 15064), (394, 15112), (397, 15136), (407, 15184), (417, 15226), (440, 15361), (443, 15382), (450, 15427), (453, 15442), (464, 15511), (473, 15544),

Gene: Struggle_11 Start: 9310, Stop: 11055, Start Num: 75
Candidate Starts for Struggle_11:
(Start: 75 @9310 has 297 MA's), (224, 9844), (264, 9970), (277, 10021), (302, 10129), (361, 10423), (373, 10480), (384, 10525), (386, 10534), (387, 10543), (412, 10666), (427, 10744), (428, 10753), (442, 10828), (448, 10864), (453, 10891), (456, 10909), (459, 10933), (471, 10987), (473, 10993), (475, 11005),

Gene: Stultus_20 Start: 14947, Stop: 16842, Start Num: 47
Candidate Starts for Stultus_20:
(Start: 47 @14947 has 125 MA's), (116, 15178), (122, 15196), (176, 15451), (226, 15589), (245, 15658), (255, 15691), (309, 15916), (311, 15922), (321, 15985), (323, 15997), (324, 16000), (325, 16012), (351, 16099), (373, 16222), (378, 16258), (408, 16402), (419, 16453), (442, 16597), (443, 16600), (444, 16603), (451, 16651), (460, 16708), (489, 16825),

Gene: Suffolk_12 Start: 9756, Stop: 11501, Start Num: 75
Candidate Starts for Suffolk_12:
(Start: 75 @9756 has 297 MA's), (119, 9903), (224, 10290), (264, 10416), (277, 10467), (302, 10575), (361, 10869), (373, 10926), (384, 10971), (386, 10980), (387, 10989), (412, 11112), (427, 11190), (428, 11199), (442, 11274), (448, 11310), (453, 11337), (456, 11355), (459, 11379), (471, 11433), (473, 11439), (475, 11451),

Gene: Suigeneris_13 Start: 11401, Stop: 13248, Start Num: 47
Candidate Starts for Suigeneris_13:
(Start: 39 @11377 has 3 MA's), (Start: 47 @11401 has 125 MA's), (54, 11434), (81, 11485), (Start: 88 @11509 has 22 MA's), (114, 11614), (125, 11644), (128, 11653), (213, 11983), (224, 12016), (244, 12085), (263, 12139), (270, 12163), (302, 12322), (307, 12343), (345, 12505), (361, 12613), (373, 12670), (374, 12673), (384, 12718), (386, 12727), (387, 12736), (391, 12754), (402, 12814), (412, 12859), (417, 12880), (419, 12889), (423, 12916), (428, 12946), (441, 13015), (448, 13057), (452, 13081), (453, 13084), (459, 13126), (469, 13174),

Gene: Sunfish_32 Start: 15117, Stop: 16874, Start Num: 91
Candidate Starts for Sunfish_32:
(Start: 91 @15117 has 42 MA's), (166, 15489), (180, 15534), (224, 15681), (269, 15807), (402, 16431), (405, 16446), (406, 16449), (408, 16455), (453, 16695), (463, 16761), (470, 16788),

Gene: Sunny_ Start: 13998, Stop: 15890, Start Num: 48
Candidate Starts for Sunny_:
(35, 13962), (38, 13968), (46, 13995), (Start: 48 @13998 has 2 MA's), (Start: 66 @14052 has 55 MA's), (150, 14373), (212, 14610), (223, 14655), (230, 14691), (251, 14760), (259, 14781), (261, 14784), (273, 14835), (283, 14868), (299, 14934), (313, 15015), (345, 15156), (374, 15321), (381, 15345), (405, 15471), (428, 15585), (429, 15600), (441, 15636), (444, 15648), (448, 15678), (450, 15690), (453, 15705), (477, 15831),

Gene: Surely_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Surely_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203),

(442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: SwainyDoc_14 Start: 11024, Stop: 13039, Start Num: 78
Candidate Starts for SwainyDoc_14:
(Start: 78 @11024 has 57 MA's), (82, 11039), (103, 11117), (112, 11165), (213, 11522), (221, 11546), (277, 11711), (291, 11759), (302, 11831), (316, 11912), (326, 11966), (373, 12185), (374, 12188), (386, 12242), (396, 12290), (408, 12353), (412, 12374), (413, 12377), (448, 12569), (449, 12578), (453, 12596), (456, 12614), (457, 12617), (462, 12659), (471, 12692), (493, 12782), (494, 12815), (497, 12932),

Gene: Swiphy_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Swiphy_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Swish_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Swish_12:
(Start: 75 @9758 has 297 MA's), (119, 9905), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: SynergyX_14 Start: 11027, Stop: 13042, Start Num: 78
Candidate Starts for SynergyX_14:
(Start: 78 @11027 has 57 MA's), (82, 11042), (103, 11120), (112, 11168), (213, 11525), (221, 11549), (277, 11714), (291, 11762), (302, 11834), (316, 11915), (326, 11969), (373, 12188), (374, 12191), (386, 12245), (396, 12293), (408, 12356), (412, 12377), (413, 12380), (448, 12572), (449, 12581), (453, 12599), (456, 12617), (457, 12620), (462, 12662), (471, 12695), (493, 12785), (494, 12818), (497, 12935),

Gene: TA17A_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for TA17A_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: TP1604_13 Start: 13751, Stop: 15445, Start Num: 106
Candidate Starts for TP1604_13:
(Start: 106 @13751 has 12 MA's), (108, 13760), (138, 13862), (157, 13994), (159, 14018), (190, 14114), (210, 14195), (220, 14240), (225, 14249), (231, 14282), (239, 14309), (241, 14312), (259, 14360), (268, 14393), (269, 14396), (279, 14435), (281, 14441), (299, 14519), (305, 14552), (323, 14642), (348, 14717), (351, 14732), (361, 14798), (364, 14810), (365, 14813), (387, 14930), (395, 14963), (401, 15005), (425, 15122), (443, 15218), (452, 15275), (456, 15296), (462, 15338), (464, 15344), (473, 15377), (477, 15401), (485, 15419), (489, 15434),

Gene: TPA2_21 Start: 12968, Stop: 14209, Start Num: 213
Candidate Starts for TPA2_21:
(Start: 68 @12464 has 23 MA's), (123, 12626), (157, 12797), (187, 12878), (201, 12920), (213, 12968), (246, 13061), (271, 13130), (285, 13181), (290, 13202), (302, 13274), (351, 13499), (361, 13565),

(373, 13622), (387, 13688), (394, 13715), (408, 13790), (419, 13838), (428, 13895), (442, 13970), (448, 14006), (449, 14015), (452, 14030), (453, 14033), (458, 14057), (463, 14099), (471, 14129),

Gene: TallGrassMM_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for TallGrassMM_12:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Tangent_18 Start: 14140, Stop: 16047, Start Num: 47
Candidate Starts for Tangent_18:
(Start: 47 @14140 has 125 MA's), (116, 14371), (122, 14389), (176, 14656), (226, 14794), (245, 14863), (255, 14896), (309, 15121), (311, 15127), (321, 15190), (323, 15202), (324, 15205), (325, 15217), (351, 15304), (359, 15358), (373, 15427), (378, 15463), (408, 15607), (419, 15658), (442, 15802), (443, 15805), (444, 15808), (451, 15856), (460, 15913),

Gene: Tangerine_20 Start: 14448, Stop: 16355, Start Num: 47
Candidate Starts for Tangerine_20:
(Start: 47 @14448 has 125 MA's), (97, 14583), (116, 14679), (176, 14961), (204, 15030), (217, 15078), (226, 15102), (234, 15138), (245, 15171), (252, 15195), (280, 15288), (309, 15429), (311, 15435), (321, 15498), (323, 15510), (324, 15513), (325, 15525), (351, 15612), (373, 15735), (378, 15771), (398, 15876), (408, 15915), (419, 15966), (441, 16104), (442, 16110), (443, 16113), (451, 16164), (460, 16221), (461, 16233), (464, 16242), (490, 16341),

Gene: Tank_20 Start: 13083, Stop: 14846, Start Num: 88
Candidate Starts for Tank_20:
(64, 13017), (Start: 88 @13083 has 22 MA's), (190, 13521), (209, 13590), (216, 13614), (234, 13683), (266, 13764), (297, 13872), (301, 13923), (303, 13935), (306, 13944), (351, 14136), (353, 14145), (354, 14148), (364, 14214), (368, 14235), (369, 14241), (373, 14259), (397, 14370), (410, 14430), (419, 14469), (425, 14511), (444, 14604), (449, 14643), (479, 14796),

Gene: Taptic_9 Start: 10537, Stop: 12588, Start Num: 78
Candidate Starts for Taptic_9:
(Start: 78 @10537 has 57 MA's), (81, 10549), (86, 10576), (103, 10630), (112, 10678), (146, 10783), (Start: 161 @10888 has 1 MA's), (194, 10960), (229, 11095), (245, 11134), (254, 11164), (271, 11209), (276, 11230), (299, 11338), (302, 11356), (313, 11425), (314, 11431), (341, 11524), (368, 11683), (373, 11707), (378, 11737), (387, 11773), (394, 11800), (408, 11875), (417, 11914), (428, 11980), (442, 12055), (452, 12115), (471, 12214), (473, 12220), (489, 12283), (496, 12439), (499, 12490), (500, 12496), (504, 12580),

Gene: Taraxa_12 Start: 9324, Stop: 11069, Start Num: 75
Candidate Starts for Taraxa_12:
(Start: 75 @9324 has 297 MA's), (224, 9858), (264, 9984), (277, 10035), (302, 10143), (361, 10437), (373, 10494), (384, 10539), (386, 10548), (387, 10557), (412, 10680), (427, 10758), (428, 10767), (442, 10842), (448, 10878), (453, 10905), (456, 10923), (459, 10947), (471, 11001), (473, 11007), (475, 11019),

Gene: Tardus_22 Start: 14807, Stop: 16726, Start Num: 47
Candidate Starts for Tardus_22:
(Start: 47 @14807 has 125 MA's), (111, 15023), (115, 15035), (116, 15038), (154, 15212), (187, 15326), (196, 15350), (199, 15359), (215, 15425), (219, 15431), (234, 15485), (243, 15509), (306, 15761), (309, 15779), (311, 15785), (321, 15848), (323, 15860), (324, 15863), (325, 15875), (351,

15965), (356, 15992), (386, 16151), (400, 16229), (421, 16325), (445, 16514), (460, 16598), (463, 16616), (471, 16646),

Gene: Teamocil_28 Start: 13248, Stop: 15266, Start Num: 66
Candidate Starts for Teamocil_28:
(Start: 66 @13248 has 55 MA's), (168, 13716), (212, 13830), (222, 13869), (230, 13911), (238, 13935), (251, 13980), (259, 14001), (261, 14004), (265, 14019), (279, 14073), (299, 14154), (311, 14214), (332, 14358), (334, 14376), (345, 14544), (348, 14568), (373, 14706), (381, 14733), (402, 14844), (428, 14973), (429, 14988), (441, 15024), (444, 15036), (448, 15066), (453, 15093), (473, 15195),

Gene: Teehee_26 Start: 14727, Stop: 16559, Start Num: 91
Candidate Starts for Teehee_26:
(Start: 91 @14727 has 42 MA's), (95, 14736), (116, 14835), (197, 15201), (237, 15369), (242, 15384), (262, 15444), (273, 15492), (275, 15498), (284, 15522), (307, 15639), (308, 15645), (324, 15738), (349, 15819), (366, 15912), (368, 15927), (376, 15975), (383, 15999), (394, 16047), (397, 16071), (407, 16119), (417, 16161), (440, 16296), (441, 16308), (443, 16317), (453, 16377), (464, 16446), (473, 16479),

Gene: Telesworld_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Telesworld_11:
(Start: 75 @9464 has 297 MA's), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Tempo_24 Start: 13050, Stop: 14828, Start Num: 89
Candidate Starts for Tempo_24:
(Start: 89 @13050 has 11 MA's), (95, 13062), (163, 13404), (207, 13521), (237, 13647), (273, 13761), (284, 13791), (324, 14004), (349, 14085), (351, 14094), (364, 14172), (366, 14178), (368, 14193), (397, 14337), (405, 14379), (417, 14430), (441, 14577), (443, 14586), (469, 14736), (473, 14748),

Gene: Terij_23 Start: 13292, Stop: 15169, Start Num: 66
Candidate Starts for Terij_23:
(Start: 66 @13292 has 55 MA's), (212, 13889), (222, 13928), (230, 13970), (259, 14060), (280, 14129), (312, 14282), (340, 14402), (358, 14519), (381, 14618), (384, 14633), (391, 14669), (393, 14675), (402, 14729), (415, 14786), (419, 14801), (421, 14813), (428, 14858), (441, 14921), (448, 14963), (467, 15071),

Gene: Thing3_21 Start: 15684, Stop: 17591, Start Num: 47
Candidate Starts for Thing3_21:
(Start: 47 @15684 has 125 MA's), (116, 15915), (122, 15933), (176, 16200), (226, 16338), (245, 16407), (255, 16440), (309, 16665), (311, 16671), (321, 16734), (323, 16746), (324, 16749), (325, 16761), (351, 16848), (359, 16902), (373, 16971), (378, 17007), (408, 17151), (419, 17202), (442, 17346), (443, 17349), (444, 17352), (451, 17400), (460, 17457),

Gene: Thonko_13 Start: 9413, Stop: 11170, Start Num: 73
Candidate Starts for Thonko_13:
(Start: 73 @9413 has 38 MA's), (81, 9428), (134, 9611), (173, 9803), (195, 9842), (213, 9908), (224, 9941), (234, 9986), (242, 10007), (264, 10067), (302, 10244), (312, 10301), (329, 10391), (341, 10412), (361, 10538), (373, 10595), (383, 10640), (386, 10652), (387, 10661), (392, 10682), (408, 10763), (412, 10784), (427, 10859), (428, 10868), (438, 10919), (441, 10937), (442, 10943), (448, 10979), (453, 11006), (456, 11024), (458, 11030), (459, 11048), (477, 11132),

Gene: Thora_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Thora_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: ThreeOh3D2_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for ThreeOh3D2_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Thunderbird_11 Start: 9463, Stop: 11205, Start Num: 75
Candidate Starts for Thunderbird_11:
(Start: 75 @9463 has 297 MA's), (119, 9610), (224, 9994), (264, 10120), (277, 10171), (302, 10279), (361, 10573), (373, 10630), (384, 10675), (386, 10684), (387, 10693), (412, 10816), (427, 10894), (428, 10903), (442, 10978), (448, 11014), (453, 11041), (456, 11059), (459, 11083), (471, 11137), (473, 11143), (475, 11155),

Gene: Tiamoceli_21 Start: 14601, Stop: 16490, Start Num: 47
Candidate Starts for Tiamoceli_21:
(43, 14592), (Start: 47 @14601 has 125 MA's), (71, 14667), (116, 14835), (122, 14853), (180, 15126), (217, 15222), (274, 15414), (279, 15429), (298, 15507), (311, 15576), (321, 15639), (323, 15651), (324, 15654), (348, 15738), (351, 15753), (368, 15852), (378, 15906), (398, 16011), (419, 16101), (431, 16182), (441, 16239), (454, 16320), (460, 16356), (475, 16422),

Gene: TillyBobJoe_19 Start: 11638, Stop: 13524, Start Num: 47
Candidate Starts for TillyBobJoe_19:
(Start: 47 @11638 has 125 MA's), (118, 11875), (122, 11887), (136, 11941), (236, 12322), (247, 12355), (256, 12382), (342, 12748), (345, 12760), (364, 12877), (373, 12922), (374, 12925), (387, 12985), (391, 13003), (398, 13048), (401, 13060), (402, 13063), (427, 13183), (432, 13222), (443, 13282), (454, 13354), (459, 13384), (463, 13408), (470, 13435), (471, 13438), (476, 13465),

Gene: Timmi_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Timmi_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Tinciduntsolum_16 Start: 12527, Stop: 14557, Start Num: 73
Candidate Starts for Tinciduntsolum_16:
(Start: 73 @12527 has 38 MA's), (112, 12671), (121, 12692), (139, 12749), (158, 12863), (213, 13028), (234, 13100), (277, 13217), (293, 13277), (297, 13295), (302, 13349), (316, 13430), (373, 13703), (374, 13706), (387, 13772), (438, 14030), (448, 14090), (449, 14099), (453, 14117), (458, 14141), (471, 14213), (484, 14261), (495, 14405), (497, 14444), (501, 14501), (502, 14537), (503, 14543),

Gene: TinyTerror_14 Start: 11029, Stop: 13041, Start Num: 78
Candidate Starts for TinyTerror_14:
(Start: 78 @11029 has 57 MA's), (82, 11044), (103, 11122), (112, 11170), (213, 11524), (221, 11548), (277, 11713), (291, 11761), (302, 11833), (316, 11914), (326, 11968), (373, 12187), (374, 12190),

(386, 12244), (396, 12292), (408, 12355), (412, 12376), (413, 12379), (448, 12571), (449, 12580), (453, 12598), (456, 12616), (457, 12619), (462, 12661), (471, 12694), (497, 12934),

Gene: Tissue_25 Start: 14292, Stop: 16115, Start Num: 91
Candidate Starts for Tissue_25:
(Start: 91 @14292 has 42 MA's), (95, 14301), (116, 14400), (184, 14724), (237, 14925), (242, 14940), (262, 15000), (273, 15048), (284, 15078), (307, 15195), (308, 15201), (324, 15294), (349, 15375), (366, 15468), (368, 15483), (376, 15531), (383, 15555), (394, 15603), (397, 15627), (407, 15675), (417, 15717), (440, 15852), (443, 15873), (453, 15933), (464, 16002), (473, 16035),

Gene: Togo_19 Start: 11842, Stop: 13740, Start Num: 47
Candidate Starts for Togo_19:
(Start: 47 @11842 has 125 MA's), (118, 12079), (122, 12091), (136, 12145), (180, 12376), (236, 12538), (247, 12571), (311, 12835), (342, 12964), (345, 12976), (364, 13093), (373, 13138), (374, 13141), (387, 13201), (391, 13219), (395, 13234), (398, 13264), (401, 13276), (402, 13279), (427, 13399), (432, 13438), (443, 13498), (454, 13570), (459, 13600), (463, 13624), (470, 13651), (471, 13654), (476, 13681),

Gene: TomBombadil_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for TomBombadil_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Tomlarah_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Tomlarah_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Toni_11 Start: 9465, Stop: 11213, Start Num: 75
Candidate Starts for Toni_11:
(Start: 75 @9465 has 297 MA's), (224, 10002), (264, 10128), (277, 10179), (302, 10287), (361, 10581), (373, 10638), (384, 10683), (386, 10692), (387, 10701), (412, 10824), (427, 10902), (428, 10911), (442, 10986), (448, 11022), (453, 11049), (456, 11067), (459, 11091), (471, 11145), (473, 11151), (475, 11163),

Gene: Tonitrus_30 Start: 19280, Stop: 21067, Start Num: 58
Candidate Starts for Tonitrus_30:
(Start: 58 @19280 has 1 MA's), (98, 19370), (100, 19391), (132, 19514), (147, 19589), (151, 19601), (240, 19958), (278, 20066), (302, 20168), (307, 20189), (312, 20225), (326, 20297), (345, 20333), (348, 20357), (364, 20450), (367, 20462), (373, 20495), (389, 20570), (403, 20639), (417, 20699), (421, 20720), (423, 20735), (428, 20765), (451, 20897), (455, 20921), (473, 21008),

Gene: TooFast2Furius_13 Start: 9992, Stop: 11737, Start Num: 75
Candidate Starts for TooFast2Furius_13:
(Start: 75 @9992 has 297 MA's), (119, 10139), (224, 10526), (264, 10652), (277, 10703), (302, 10811), (361, 11105), (373, 11162), (384, 11207), (386, 11216), (387, 11225), (412, 11348), (427, 11426), (428, 11435), (442, 11510), (448, 11546), (453, 11573), (456, 11591), (459, 11615), (471, 11669), (473, 11675), (475, 11687),

Gene: Tooj_12 Start: 9755, Stop: 11503, Start Num: 75
Candidate Starts for Tooj_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: TraderJ_13 Start: 11329, Stop: 13011, Start Num: 68
Candidate Starts for TraderJ_13:
(Start: 68 @11329 has 23 MA's), (103, 11416), (112, 11464), (160, 11653), (213, 11764), (221, 11788), (234, 11836), (270, 11926), (304, 12085), (307, 12094), (314, 12142), (329, 12220), (344, 12253), (351, 12301), (361, 12367), (372, 12415), (373, 12424), (374, 12427), (388, 12499), (394, 12517), (402, 12568), (412, 12613), (416, 12625), (419, 12640), (441, 12766), (448, 12808), (452, 12832), (453, 12835), (456, 12853),

Gene: Tres_15 Start: 12411, Stop: 14438, Start Num: 73
Candidate Starts for Tres_15:
(Start: 73 @12411 has 38 MA's), (112, 12555), (121, 12576), (139, 12630), (146, 12657), (158, 12744), (213, 12909), (234, 12981), (277, 13098), (293, 13158), (297, 13176), (302, 13230), (316, 13311), (373, 13584), (374, 13587), (387, 13653), (438, 13911), (448, 13971), (449, 13980), (453, 13998), (458, 14022), (471, 14094), (484, 14142), (495, 14286), (497, 14325), (501, 14382), (502, 14418), (503, 14424),

Gene: Triad_12 Start: 9307, Stop: 11052, Start Num: 75
Candidate Starts for Triad_12:
(Start: 75 @9307 has 297 MA's), (119, 9454), (224, 9841), (264, 9967), (277, 10018), (302, 10126), (361, 10420), (373, 10477), (384, 10522), (386, 10531), (387, 10540), (412, 10663), (427, 10741), (428, 10750), (442, 10825), (448, 10861), (453, 10888), (456, 10906), (459, 10930), (471, 10984), (473, 10990), (475, 11002),

Gene: True_11 Start: 9462, Stop: 11210, Start Num: 75
Candidate Starts for True_11:
(Start: 75 @9462 has 297 MA's), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Trypo_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Trypo_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: TurkishDelight_17 Start: 12983, Stop: 14710, Start Num: 106
Candidate Starts for TurkishDelight_17:
(99, 12944), (Start: 106 @12983 has 12 MA's), (133, 13091), (144, 13139), (145, 13148), (155, 13241), (200, 13418), (225, 13514), (259, 13625), (317, 13889), (320, 13898), (328, 13940), (352, 14003), (364, 14075), (365, 14078), (368, 14096), (387, 14177), (389, 14189), (395, 14210), (402, 14255), (425, 14369), (430, 14405), (451, 14516), (452, 14522), (464, 14594), (467, 14606), (482, 14669),

Gene: Twister6_21 Start: 12280, Stop: 14166, Start Num: 47
Candidate Starts for Twister6_21:

(Start: 47 @12280 has 125 MA's), (118, 12517), (122, 12529), (136, 12583), (180, 12805), (236, 12967), (247, 13000), (311, 13252), (322, 13324), (342, 13381), (345, 13393), (364, 13510), (373, 13555), (374, 13558), (398, 13681), (401, 13693), (416, 13753), (441, 13906), (443, 13915), (454, 13987), (459, 14017), (475, 14089), (480, 14113),

Gene: Twonlo_18 Start: 13218, Stop: 15107, Start Num: 47
Candidate Starts for Twonlo_18:
(43, 13209), (Start: 47 @13218 has 125 MA's), (71, 13284), (116, 13452), (122, 13470), (180, 13743), (217, 13839), (274, 14031), (279, 14046), (298, 14124), (311, 14193), (321, 14256), (323, 14268), (324, 14271), (348, 14355), (351, 14370), (368, 14469), (378, 14523), (398, 14628), (419, 14718), (431, 14799), (441, 14856), (453, 14925), (454, 14937), (460, 14973), (475, 15039),

Gene: Tycho_20 Start: 14565, Stop: 16484, Start Num: 47
Candidate Starts for Tycho_20:
(Start: 47 @14565 has 125 MA's), (97, 14700), (116, 14796), (176, 15090), (204, 15159), (217, 15207), (226, 15231), (234, 15267), (245, 15300), (252, 15324), (280, 15417), (309, 15558), (311, 15564), (321, 15627), (323, 15639), (324, 15642), (325, 15654), (351, 15741), (373, 15864), (378, 15900), (386, 15933), (398, 16005), (408, 16044), (419, 16095), (441, 16233), (442, 16239), (443, 16242), (451, 16293), (460, 16350), (461, 16362), (464, 16371),

Gene: Tydolla_14 Start: 11764, Stop: 13779, Start Num: 78
Candidate Starts for Tydolla_14:
(Start: 69 @11752 has 6 MA's), (Start: 78 @11764 has 57 MA's), (82, 11779), (103, 11857), (112, 11905), (213, 12262), (221, 12286), (277, 12451), (291, 12499), (302, 12571), (316, 12652), (326, 12706), (373, 12925), (374, 12928), (386, 12982), (396, 13030), (408, 13093), (412, 13114), (413, 13117), (448, 13309), (449, 13318), (453, 13336), (456, 13354), (457, 13357), (462, 13399), (471, 13432), (493, 13522), (494, 13555), (497, 13672),

Gene: TyrionL_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for TyrionL_11:
(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Tyrumbra_25 Start: 12826, Stop: 14847, Start Num: 66
Candidate Starts for Tyrumbra_25:
(Start: 66 @12826 has 55 MA's), (212, 13411), (230, 13492), (238, 13516), (251, 13561), (259, 13582), (299, 13735), (336, 13993), (338, 14065), (345, 14125), (348, 14149), (373, 14287), (379, 14311), (381, 14314), (402, 14425), (428, 14554), (429, 14569), (431, 14578), (441, 14605), (444, 14617), (448, 14647), (453, 14674), (473, 14776),

Gene: UAch1_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for UAch1_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: UncleHowie_12 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for UncleHowie_12:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898),

(428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Usavi_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Usavi_12:
(Start: 75 @9754 has 297 MA's), (119, 9901), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: Vaishali24_11 Start: 9429, Stop: 11174, Start Num: 75
Candidate Starts for Vaishali24_11:
(Start: 75 @9429 has 297 MA's), (119, 9576), (224, 9963), (264, 10089), (277, 10140), (302, 10248), (361, 10542), (363, 10551), (373, 10599), (384, 10644), (386, 10653), (387, 10662), (412, 10785), (427, 10863), (428, 10872), (442, 10947), (448, 10983), (453, 11010), (456, 11028), (459, 11052), (471, 11106), (473, 11112), (475, 11124),

Gene: Valary_22 Start: 12733, Stop: 14619, Start Num: 47
Candidate Starts for Valary_22:
(Start: 47 @12733 has 125 MA's), (118, 12970), (122, 12982), (136, 13036), (180, 13258), (236, 13420), (247, 13453), (311, 13705), (322, 13777), (342, 13834), (345, 13846), (364, 13963), (373, 14008), (374, 14011), (398, 14134), (401, 14146), (416, 14206), (441, 14359), (443, 14368), (454, 14440), (459, 14470), (475, 14542), (480, 14566),

Gene: Valjean_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Valjean_12:
(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: VanDeWege_22 Start: 12661, Stop: 14547, Start Num: 47
Candidate Starts for VanDeWege_22:
(Start: 47 @12661 has 125 MA's), (118, 12898), (122, 12910), (136, 12964), (180, 13186), (236, 13348), (247, 13381), (311, 13633), (322, 13705), (342, 13762), (345, 13774), (364, 13891), (373, 13936), (374, 13939), (398, 14062), (401, 14074), (416, 14134), (441, 14287), (443, 14296), (454, 14368), (459, 14398), (475, 14470), (480, 14494),

Gene: Vaticameos_12 Start: 9461, Stop: 11206, Start Num: 75
Candidate Starts for Vaticameos_12:
(Start: 75 @9461 has 297 MA's), (119, 9608), (224, 9995), (264, 10121), (277, 10172), (302, 10280), (361, 10574), (373, 10631), (384, 10676), (386, 10685), (387, 10694), (412, 10817), (427, 10895), (428, 10904), (442, 10979), (448, 11015), (453, 11042), (456, 11060), (459, 11084), (471, 11138), (473, 11144), (475, 11156),

Gene: Vectra_11 Start: 9312, Stop: 11054, Start Num: 75
Candidate Starts for Vectra_11:
(Start: 75 @9312 has 297 MA's), (119, 9459), (224, 9843), (264, 9969), (277, 10020), (302, 10128), (361, 10422), (373, 10479), (384, 10524), (386, 10533), (387, 10542), (412, 10665), (427, 10743), (428, 10752), (442, 10827), (448, 10863), (453, 10890), (456, 10908), (459, 10932), (471, 10986), (473, 10992), (475, 11004),

Gene: Veritas_11 Start: 9304, Stop: 11049, Start Num: 75

Candidate Starts for Veritas_11:
(Start: 75 @9304 has 297 MA's), (224, 9838), (264, 9964), (277, 10015), (302, 10123), (361, 10417), (373, 10474), (384, 10519), (386, 10528), (387, 10537), (412, 10660), (427, 10738), (428, 10747), (442, 10822), (448, 10858), (453, 10885), (456, 10903), (459, 10927), (471, 10981), (473, 10987), (475, 10999),

Gene: Verity_21 Start: 14990, Stop: 16909, Start Num: 47
Candidate Starts for Verity_21:
(Start: 47 @14990 has 125 MA's), (83, 15089), (111, 15206), (115, 15218), (116, 15221), (154, 15395), (187, 15509), (199, 15542), (215, 15608), (219, 15614), (234, 15668), (243, 15692), (253, 15728), (306, 15944), (309, 15962), (311, 15968), (321, 16031), (323, 16043), (324, 16046), (325, 16058), (351, 16148), (356, 16175), (386, 16334), (400, 16412), (409, 16448), (421, 16508), (428, 16553), (441, 16664), (445, 16697), (460, 16781), (463, 16799), (471, 16829),

Gene: ViaConlectus_22 Start: 15542, Stop: 17461, Start Num: 47
Candidate Starts for ViaConlectus_22:
(Start: 47 @15542 has 125 MA's), (111, 15758), (116, 15773), (154, 15947), (199, 16094), (215, 16160), (219, 16166), (234, 16220), (243, 16244), (249, 16268), (306, 16496), (309, 16514), (311, 16520), (321, 16583), (323, 16595), (324, 16598), (325, 16610), (351, 16700), (356, 16727), (386, 16886), (400, 16964), (421, 17060), (427, 17096), (434, 17159), (437, 17189), (441, 17216), (445, 17249), (460, 17333), (470, 17378),

Gene: Vic9_00015 Start: 12851, Stop: 14878, Start Num: 73
Candidate Starts for Vic9_00015:
(Start: 73 @12851 has 38 MA's), (112, 12995), (121, 13016), (139, 13070), (158, 13184), (213, 13349), (234, 13421), (277, 13538), (293, 13598), (297, 13616), (302, 13670), (316, 13751), (373, 14024), (374, 14027), (387, 14093), (438, 14351), (448, 14411), (449, 14420), (453, 14438), (458, 14462), (471, 14534), (484, 14582), (495, 14726), (497, 14765), (501, 14822), (502, 14858), (503, 14864),

Gene: Viceroy_24 Start: 13492, Stop: 15324, Start Num: 91
Candidate Starts for Viceroy_24:
(Start: 91 @13492 has 42 MA's), (95, 13501), (116, 13600), (197, 13966), (237, 14134), (242, 14149), (262, 14209), (273, 14257), (275, 14263), (284, 14287), (307, 14404), (308, 14410), (324, 14503), (349, 14584), (366, 14677), (368, 14692), (376, 14740), (383, 14764), (394, 14812), (397, 14836), (407, 14884), (417, 14926), (440, 15061), (441, 15073), (443, 15082), (453, 15142), (464, 15211), (473, 15244),

Gene: Vincenzo_13 Start: 12220, Stop: 14025, Start Num: 45
Candidate Starts for Vincenzo_13:
(1, 11848), (2, 11857), (Start: 45 @12220 has 37 MA's), (53, 12250), (62, 12271), (81, 12292), (134, 12475), (167, 12649), (213, 12769), (244, 12868), (251, 12895), (264, 12925), (270, 12946), (271, 12952), (272, 12955), (312, 13150), (331, 13249), (344, 13273), (351, 13321), (361, 13387), (384, 13492), (387, 13510), (392, 13531), (408, 13612), (419, 13660), (439, 13771), (441, 13786), (443, 13795), (448, 13828), (453, 13855), (459, 13897), (463, 13921), (471, 13951), (475, 13969),

Gene: VioletZ_12 Start: 11476, Stop: 13257, Start Num: 45
Candidate Starts for VioletZ_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11887), (186, 11920), (213, 12016), (244, 12112), (251, 12139), (263, 12166), (264, 12169), (270, 12190), (302, 12337), (329, 12484), (361, 12631), (374, 12691), (377, 12715), (383, 12733), (386, 12745), (387, 12754), (392, 12775), (397, 12805), (408, 12856), (419, 12904), (428, 12961), (433, 13003), (441, 13030), (444, 13042), (448, 13072), (453, 13099), (458, 13123), (459, 13141), (463, 13165), (471, 13195), (473, 13201),

Gene: Virapocalypse_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Virapocalypse_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Virgeve_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Virgeve_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Vista_12 Start: 9757, Stop: 11505, Start Num: 75
Candidate Starts for Vista_12:
(Start: 75 @9757 has 297 MA's), (224, 10294), (264, 10420), (277, 10471), (302, 10579), (361, 10873), (373, 10930), (384, 10975), (386, 10984), (387, 10993), (412, 11116), (427, 11194), (428, 11203), (442, 11278), (448, 11314), (453, 11341), (456, 11359), (459, 11383), (471, 11437), (473, 11443), (475, 11455),

Gene: Vivaldi_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Vivaldi_12:
(Start: 75 @9755 has 297 MA's), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: Vivi2_20 Start: 15311, Stop: 17209, Start Num: 47
Candidate Starts for Vivi2_20:
(Start: 47 @15311 has 125 MA's), (116, 15542), (122, 15560), (176, 15818), (226, 15956), (245, 16025), (255, 16058), (309, 16283), (311, 16289), (321, 16352), (323, 16364), (324, 16367), (325, 16379), (351, 16466), (373, 16589), (378, 16625), (408, 16769), (419, 16820), (442, 16964), (443, 16967), (444, 16970), (451, 17018), (460, 17075),

Gene: Vortex_12 Start: 9465, Stop: 11210, Start Num: 75
Candidate Starts for Vortex_12:
(Start: 75 @9465 has 297 MA's), (119, 9612), (224, 9999), (264, 10125), (277, 10176), (302, 10284), (361, 10578), (373, 10635), (384, 10680), (386, 10689), (387, 10698), (412, 10821), (427, 10899), (428, 10908), (442, 10983), (448, 11019), (453, 11046), (456, 11064), (459, 11088), (471, 11142), (473, 11148), (475, 11160),

Gene: Waleliano_12 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for Waleliano_12:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: Wallhey_11 Start: 9316, Stop: 11061, Start Num: 75
Candidate Starts for Wallhey_11:

(Start: 75 @9316 has 297 MA's), (224, 9850), (264, 9976), (277, 10027), (302, 10135), (361, 10429), (373, 10486), (384, 10531), (386, 10540), (387, 10549), (412, 10672), (427, 10750), (428, 10759), (442, 10834), (448, 10870), (453, 10897), (456, 10915), (459, 10939), (471, 10993), (473, 10999), (475, 11011),

Gene: Waterdiva_12 Start: 9758, Stop: 11503, Start Num: 75
Candidate Starts for Waterdiva_12:
(Start: 75 @9758 has 297 MA's), (224, 10292), (264, 10418), (277, 10469), (302, 10577), (361, 10871), (373, 10928), (384, 10973), (386, 10982), (387, 10991), (412, 11114), (427, 11192), (428, 11201), (442, 11276), (448, 11312), (453, 11339), (456, 11357), (459, 11381), (471, 11435), (473, 11441), (475, 11453),

Gene: Wayne3_26 Start: 14457, Stop: 16289, Start Num: 91
Candidate Starts for Wayne3_26:
(Start: 91 @14457 has 42 MA's), (95, 14466), (116, 14565), (197, 14931), (237, 15099), (242, 15114), (262, 15174), (273, 15222), (275, 15228), (284, 15252), (307, 15369), (308, 15375), (324, 15468), (349, 15549), (366, 15642), (368, 15657), (376, 15705), (383, 15729), (394, 15777), (397, 15801), (407, 15849), (417, 15891), (440, 16026), (441, 16038), (443, 16047), (453, 16107), (464, 16176), (473, 16209),

Gene: Weher20_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for Weher20_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (308, 10600), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: West99_15 Start: 12528, Stop: 14558, Start Num: 73
Candidate Starts for West99_15:
(Start: 73 @12528 has 38 MA's), (112, 12672), (121, 12693), (139, 12747), (146, 12774), (158, 12861), (213, 13029), (234, 13101), (277, 13218), (293, 13278), (297, 13296), (302, 13350), (316, 13431), (373, 13704), (374, 13707), (387, 13773), (438, 14031), (448, 14091), (449, 14100), (453, 14118), (458, 14142), (471, 14214), (484, 14262), (495, 14406), (497, 14445), (501, 14502), (502, 14538), (503, 14544),

Gene: WheelerS25_30 Start: 15293, Stop: 17119, Start Num: 91
Candidate Starts for WheelerS25_30:
(Start: 91 @15293 has 42 MA's), (95, 15302), (116, 15401), (184, 15728), (197, 15761), (237, 15929), (242, 15944), (262, 16004), (273, 16052), (275, 16058), (284, 16082), (306, 16196), (307, 16199), (308, 16205), (324, 16298), (349, 16379), (366, 16472), (368, 16487), (376, 16535), (383, 16559), (394, 16607), (397, 16631), (407, 16679), (417, 16721), (440, 16856), (443, 16877), (453, 16937), (464, 17006), (473, 17039),

Gene: Wheelie_24 Start: 13808, Stop: 15640, Start Num: 91
Candidate Starts for Wheelie_24:
(Start: 91 @13808 has 42 MA's), (95, 13817), (116, 13916), (197, 14282), (237, 14450), (242, 14465), (262, 14525), (273, 14573), (275, 14579), (284, 14603), (307, 14720), (308, 14726), (324, 14819), (349, 14900), (366, 14993), (368, 15008), (376, 15056), (383, 15080), (394, 15128), (397, 15152), (407, 15200), (417, 15242), (440, 15377), (441, 15389), (443, 15398), (453, 15458), (464, 15527), (473, 15560),

Gene: Wilca_24 Start: 12993, Stop: 14771, Start Num: 89
Candidate Starts for Wilca_24:

(Start: 89 @12993 has 11 MA's), (95, 13005), (163, 13350), (207, 13464), (237, 13590), (262, 13656), (273, 13704), (284, 13734), (324, 13947), (349, 14028), (351, 14037), (364, 14115), (366, 14121), (368, 14136), (397, 14280), (405, 14322), (417, 14373), (441, 14520), (443, 14529), (469, 14679), (473, 14691), (487, 14751),

Gene: Wilde_20 Start: 13011, Stop: 14774, Start Num: 88
Candidate Starts for Wilde_20:
(64, 12945), (Start: 88 @13011 has 22 MA's), (190, 13449), (209, 13518), (216, 13542), (234, 13611), (266, 13692), (297, 13800), (301, 13851), (303, 13863), (306, 13872), (351, 14064), (353, 14073), (354, 14076), (364, 14142), (368, 14163), (369, 14169), (373, 14187), (397, 14298), (410, 14358), (419, 14397), (425, 14439), (444, 14532), (449, 14571), (479, 14724),

Gene: Windsor_11 Start: 9418, Stop: 11163, Start Num: 75
Candidate Starts for Windsor_11:
(Start: 75 @9418 has 297 MA's), (224, 9952), (264, 10078), (277, 10129), (302, 10237), (361, 10531), (373, 10588), (384, 10633), (386, 10642), (387, 10651), (412, 10774), (427, 10852), (428, 10861), (442, 10936), (448, 10972), (453, 10999), (456, 11017), (459, 11041), (471, 11095), (473, 11101), (475, 11113),

Gene: Wizard_19 Start: 11982, Stop: 13874, Start Num: 47
Candidate Starts for Wizard_19:
(Start: 47 @11982 has 125 MA's), (118, 12219), (122, 12231), (136, 12285), (180, 12510), (236, 12672), (247, 12705), (256, 12732), (342, 13098), (345, 13110), (364, 13227), (373, 13272), (374, 13275), (387, 13335), (391, 13353), (398, 13398), (401, 13410), (402, 13413), (427, 13533), (432, 13572), (443, 13632), (454, 13704), (459, 13734), (463, 13758), (470, 13785), (471, 13788), (476, 13815),

Gene: Wooper_13 Start: 11332, Stop: 13017, Start Num: 68
Candidate Starts for Wooper_13:
(Start: 68 @11332 has 23 MA's), (103, 11419), (112, 11467), (160, 11659), (213, 11770), (221, 11794), (234, 11842), (270, 11932), (304, 12091), (307, 12100), (314, 12148), (329, 12226), (344, 12259), (351, 12307), (361, 12373), (372, 12421), (373, 12430), (374, 12433), (388, 12505), (394, 12523), (402, 12574), (412, 12619), (416, 12631), (419, 12646), (441, 12772), (448, 12814), (452, 12838), (453, 12841), (456, 12859),

Gene: Xavier_11 Start: 9464, Stop: 11209, Start Num: 75
Candidate Starts for Xavier_11:
(Start: 75 @9464 has 297 MA's), (119, 9611), (224, 9998), (264, 10124), (277, 10175), (302, 10283), (361, 10577), (373, 10634), (384, 10679), (386, 10688), (387, 10697), (412, 10820), (427, 10898), (428, 10907), (442, 10982), (448, 11018), (453, 11045), (456, 11063), (459, 11087), (471, 11141), (473, 11147), (475, 11159),

Gene: Xincheng_12 Start: 11300, Stop: 13078, Start Num: 45
Candidate Starts for Xincheng_12:
(Start: 45 @11300 has 37 MA's), (81, 11366), (134, 11549), (143, 11579), (167, 11708), (204, 11798), (213, 11837), (226, 11876), (251, 11960), (263, 11987), (264, 11990), (270, 12011), (302, 12158), (329, 12305), (358, 12437), (361, 12452), (374, 12512), (377, 12536), (383, 12554), (387, 12575), (392, 12596), (408, 12677), (419, 12725), (428, 12782), (433, 12824), (441, 12851), (444, 12863), (448, 12893), (449, 12902), (453, 12920), (458, 12944), (459, 12962), (463, 12986), (471, 13016), (473, 13022),

Gene: Xkcd426_14 Start: 14736, Stop: 16433, Start Num: 106
Candidate Starts for Xkcd426_14:

(102, 14721), (Start: 106 @14736 has 12 MA's), (133, 14823), (156, 14970), (181, 15072), (198, 15117), (220, 15210), (225, 15219), (226, 15225), (241, 15282), (257, 15327), (259, 15330), (270, 15369), (281, 15411), (305, 15522), (358, 15771), (359, 15774), (364, 15798), (371, 15831), (380, 15870), (382, 15876), (395, 15939), (401, 15981), (408, 16008), (409, 16011), (417, 16047), (452, 16257), (462, 16320), (466, 16335), (471, 16353),

Gene: YDN12_14 Start: 13688, Stop: 15382, Start Num: 106
Candidate Starts for YDN12_14:
(Start: 106 @13688 has 12 MA's), (108, 13697), (138, 13799), (159, 13955), (190, 14051), (210, 14132), (220, 14177), (225, 14186), (231, 14219), (239, 14246), (241, 14249), (259, 14297), (268, 14330), (269, 14333), (279, 14372), (281, 14378), (292, 14420), (305, 14489), (351, 14669), (361, 14735), (364, 14747), (387, 14867), (395, 14900), (401, 14942), (425, 15059), (443, 15155), (452, 15212), (462, 15275), (464, 15281), (473, 15314), (477, 15338), (485, 15356), (489, 15371),

Gene: Yago84_11 Start: 10186, Stop: 11883, Start Num: 68
Candidate Starts for Yago84_11:
(Start: 68 @10186 has 23 MA's), (176, 10552), (193, 10567), (213, 10627), (234, 10699), (270, 10789), (296, 10879), (307, 10957), (361, 11227), (373, 11284), (386, 11341), (387, 11350), (408, 11452), (412, 11473), (417, 11491), (448, 11668), (451, 11686), (452, 11692), (453, 11695), (458, 11719), (462, 11758), (471, 11791), (473, 11797),

Gene: Yahalom_14 Start: 11038, Stop: 13053, Start Num: 78
Candidate Starts for Yahalom_14:
(63, 11014), (Start: 69 @11026 has 6 MA's), (Start: 78 @11038 has 57 MA's), (82, 11053), (103, 11131), (112, 11179), (213, 11536), (221, 11560), (277, 11725), (286, 11755), (291, 11773), (299, 11827), (302, 11845), (316, 11926), (326, 11980), (373, 12199), (374, 12202), (386, 12256), (396, 12304), (408, 12367), (412, 12388), (413, 12391), (448, 12583), (449, 12592), (453, 12610), (456, 12628), (457, 12631), (462, 12673), (471, 12706), (493, 12796), (494, 12829), (497, 12946),

Gene: Yeshua_13 Start: 11333, Stop: 13024, Start Num: 68
Candidate Starts for Yeshua_13:
(Start: 68 @11333 has 23 MA's), (103, 11420), (112, 11468), (160, 11660), (202, 11747), (213, 11777), (221, 11801), (234, 11849), (286, 11999), (290, 12017), (304, 12101), (307, 12110), (327, 12227), (344, 12266), (351, 12314), (361, 12380), (373, 12437), (374, 12440), (386, 12494), (388, 12512), (394, 12530), (402, 12581), (412, 12626), (416, 12638), (419, 12653), (441, 12779), (448, 12821), (452, 12845), (453, 12848), (456, 12866),

Gene: Yeti_27 Start: 13790, Stop: 15646, Start Num: 66
Candidate Starts for Yeti_27:
(Start: 66 @13790 has 55 MA's), (212, 14366), (223, 14411), (230, 14447), (251, 14516), (259, 14537), (261, 14540), (269, 14570), (299, 14690), (313, 14771), (340, 14885), (345, 14912), (381, 15101), (405, 15227), (428, 15341), (429, 15356), (444, 15404), (448, 15434), (450, 15446), (453, 15461), (455, 15476), (463, 15527), (468, 15545), (473, 15563),

Gene: Yinz_14 Start: 11056, Stop: 13080, Start Num: 78
Candidate Starts for Yinz_14:
(Start: 78 @11056 has 57 MA's), (82, 11071), (103, 11149), (112, 11197), (177, 11458), (213, 11563), (221, 11587), (277, 11752), (291, 11800), (302, 11872), (316, 11953), (326, 12007), (373, 12226), (374, 12229), (386, 12283), (396, 12331), (408, 12394), (412, 12415), (413, 12418), (448, 12610), (449, 12619), (453, 12637), (456, 12655), (457, 12658), (462, 12700), (471, 12733), (494, 12856), (497, 12973),

Gene: YorkOnyx_21 Start: 14834, Stop: 16753, Start Num: 47

Candidate Starts for YorkOnyx_21:
(Start: 47 @14834 has 125 MA's), (97, 14969), (116, 15065), (176, 15359), (204, 15428), (217, 15476), (226, 15500), (234, 15536), (245, 15569), (252, 15593), (280, 15686), (309, 15827), (311, 15833), (321, 15896), (323, 15908), (324, 15911), (325, 15923), (342, 15959), (348, 15995), (351, 16010), (359, 16064), (373, 16133), (378, 16169), (386, 16202), (398, 16274), (408, 16313), (419, 16364), (441, 16502), (442, 16508), (443, 16511), (451, 16562), (460, 16619), (461, 16631), (464, 16640),

Gene: Yoshand_12 Start: 9755, Stop: 11500, Start Num: 75
Candidate Starts for Yoshand_12:
(Start: 75 @9755 has 297 MA's), (119, 9902), (224, 10289), (264, 10415), (277, 10466), (302, 10574), (361, 10868), (373, 10925), (384, 10970), (386, 10979), (387, 10988), (412, 11111), (427, 11189), (428, 11198), (442, 11273), (448, 11309), (453, 11336), (456, 11354), (459, 11378), (471, 11432), (473, 11438), (475, 11450),

Gene: YouGoGlencoco_12 Start: 9754, Stop: 11499, Start Num: 75
Candidate Starts for YouGoGlencoco_12:
(Start: 75 @9754 has 297 MA's), (224, 10288), (264, 10414), (277, 10465), (302, 10573), (361, 10867), (373, 10924), (384, 10969), (386, 10978), (387, 10987), (412, 11110), (427, 11188), (428, 11197), (442, 11272), (448, 11308), (453, 11335), (456, 11353), (459, 11377), (471, 11431), (473, 11437), (475, 11449),

Gene: YungMoney_21 Start: 13292, Stop: 15184, Start Num: 47
Candidate Starts for YungMoney_21:
(Start: 47 @13292 has 125 MA's), (118, 13529), (122, 13541), (136, 13595), (236, 13982), (247, 14015), (255, 14039), (311, 14279), (342, 14408), (345, 14420), (350, 14456), (364, 14537), (373, 14582), (374, 14585), (387, 14645), (398, 14708), (401, 14720), (443, 14942), (454, 15014), (459, 15044), (463, 15068), (470, 15095), (471, 15098),

Gene: Zagie_25 Start: 13996, Stop: 15828, Start Num: 91
Candidate Starts for Zagie_25:
(Start: 91 @13996 has 42 MA's), (95, 14005), (116, 14104), (197, 14470), (237, 14638), (242, 14653), (262, 14713), (273, 14761), (275, 14767), (284, 14791), (307, 14908), (308, 14914), (324, 15007), (349, 15088), (366, 15181), (368, 15196), (376, 15244), (383, 15268), (394, 15316), (397, 15340), (407, 15388), (417, 15430), (440, 15565), (441, 15577), (443, 15586), (453, 15646), (464, 15715), (473, 15748),

Gene: Zaider_13 Start: 9987, Stop: 11732, Start Num: 75
Candidate Starts for Zaider_13:
(Start: 75 @9987 has 297 MA's), (224, 10521), (264, 10647), (277, 10698), (302, 10806), (361, 11100), (373, 11157), (384, 11202), (386, 11211), (387, 11220), (412, 11343), (427, 11421), (428, 11430), (442, 11505), (448, 11541), (453, 11568), (456, 11586), (459, 11610), (471, 11664), (473, 11670), (475, 11682),

Gene: Zapato_26 Start: 13457, Stop: 15301, Start Num: 66
Candidate Starts for Zapato_26:
(Start: 66 @13457 has 55 MA's), (212, 14024), (223, 14069), (230, 14105), (251, 14174), (259, 14195), (261, 14198), (299, 14348), (307, 14387), (345, 14570), (348, 14594), (373, 14732), (381, 14759), (412, 14915), (428, 14999), (429, 15014), (431, 15023), (441, 15050), (444, 15062), (447, 15089), (448, 15092), (455, 15134),

Gene: Zelda_12 Start: 9757, Stop: 11502, Start Num: 75
Candidate Starts for Zelda_12:

(Start: 75 @9757 has 297 MA's), (224, 10291), (264, 10417), (277, 10468), (302, 10576), (361, 10870), (373, 10927), (384, 10972), (386, 10981), (387, 10990), (412, 11113), (427, 11191), (428, 11200), (442, 11275), (448, 11311), (453, 11338), (456, 11356), (459, 11380), (471, 11434), (473, 11440), (475, 11452),

Gene: Zemanar_13 Start: 11476, Stop: 13254, Start Num: 45
Candidate Starts for Zemanar_13:
(Start: 45 @11476 has 37 MA's), (81, 11542), (125, 11692), (134, 11725), (143, 11755), (167, 11884), (186, 11917), (213, 12013), (244, 12109), (251, 12136), (263, 12163), (264, 12166), (270, 12187), (302, 12334), (329, 12481), (361, 12628), (374, 12688), (377, 12712), (383, 12730), (387, 12751), (392, 12772), (408, 12853), (419, 12901), (428, 12958), (433, 13000), (441, 13027), (444, 13039), (448, 13069), (453, 13096), (458, 13120), (459, 13138), (463, 13162), (471, 13192), (473, 13198),

Gene: Zenteno07_17 Start: 10822, Stop: 12648, Start Num: 47
Candidate Starts for Zenteno07_17:
(40, 10798), (Start: 47 @10822 has 125 MA's), (54, 10852), (80, 10894), (103, 10966), (194, 11314), (202, 11344), (208, 11359), (224, 11419), (251, 11515), (263, 11542), (302, 11722), (345, 11905), (351, 11947), (361, 12013), (373, 12070), (374, 12073), (392, 12157), (412, 12259), (416, 12274), (417, 12280), (439, 12400), (441, 12415), (448, 12457), (453, 12484), (458, 12508), (459, 12526), (470, 12577), (471, 12580), (475, 12598),

Gene: ZestyBestie_23 Start: 13768, Stop: 15600, Start Num: 91
Candidate Starts for ZestyBestie_23:
(Start: 91 @13768 has 42 MA's), (95, 13777), (116, 13876), (197, 14242), (237, 14410), (242, 14425), (262, 14485), (273, 14533), (275, 14539), (284, 14563), (306, 14677), (307, 14680), (308, 14686), (324, 14779), (349, 14860), (366, 14953), (368, 14968), (376, 15016), (383, 15040), (394, 15088), (397, 15112), (407, 15160), (417, 15202), (440, 15337), (443, 15358), (453, 15418), (464, 15487), (473, 15520),

Gene: Zhafia_27 Start: 14319, Stop: 16151, Start Num: 91
Candidate Starts for Zhafia_27:
(Start: 91 @14319 has 42 MA's), (95, 14328), (116, 14427), (197, 14793), (237, 14961), (242, 14976), (262, 15036), (273, 15084), (275, 15090), (284, 15114), (307, 15231), (308, 15237), (324, 15330), (349, 15411), (366, 15504), (368, 15519), (376, 15567), (383, 15591), (394, 15639), (397, 15663), (407, 15711), (417, 15753), (440, 15888), (441, 15900), (443, 15909), (453, 15969), (464, 16038), (473, 16071),

Gene: Zipp_21 Start: 15639, Stop: 17558, Start Num: 47
Candidate Starts for Zipp_21:
(Start: 47 @15639 has 125 MA's), (83, 15738), (111, 15855), (115, 15867), (116, 15870), (154, 16044), (187, 16158), (199, 16191), (215, 16257), (219, 16263), (234, 16317), (243, 16341), (253, 16377), (306, 16593), (309, 16611), (311, 16617), (321, 16680), (323, 16692), (324, 16695), (325, 16707), (351, 16797), (356, 16824), (386, 16983), (400, 17061), (409, 17097), (421, 17157), (428, 17202), (441, 17313), (445, 17346), (460, 17430), (463, 17448), (471, 17478),

Gene: Zitch_23 Start: 14769, Stop: 16688, Start Num: 47
Candidate Starts for Zitch_23:
(Start: 47 @14769 has 125 MA's), (111, 14988), (115, 15000), (116, 15003), (136, 15075), (154, 15177), (199, 15324), (215, 15390), (219, 15396), (234, 15450), (243, 15474), (249, 15498), (306, 15726), (309, 15744), (311, 15750), (321, 15813), (323, 15825), (324, 15828), (325, 15840), (351, 15930), (356, 15957), (386, 16116), (400, 16194), (421, 16290), (460, 16560), (463, 16578), (471, 16608),

Gene: Zonia_12 Start: 9771, Stop: 11516, Start Num: 75
Candidate Starts for Zonia_12:
(Start: 75 @9771 has 297 MA's), (224, 10305), (264, 10431), (277, 10482), (302, 10590), (361, 10884), (373, 10941), (384, 10986), (386, 10995), (387, 11004), (412, 11127), (427, 11205), (428, 11214), (442, 11289), (448, 11325), (453, 11352), (456, 11370), (459, 11394), (471, 11448), (473, 11454), (475, 11466),

Gene: phiAsp2_14 Start: 8361, Stop: 10073, Start Num: 109
Candidate Starts for phiAsp2_14:
(Start: 61 @8205 has 4 MA's), (87, 8277), (93, 8292), (109, 8361), (113, 8382), (206, 8763), (212, 8793), (233, 8883), (254, 8955), (276, 9033), (289, 9075), (303, 9171), (306, 9180), (330, 9309), (347, 9360), (348, 9366), (350, 9378), (364, 9459), (371, 9492), (374, 9507), (376, 9528), (395, 9606), (397, 9624), (400, 9642), (409, 9678), (419, 9723), (449, 9912), (450, 9915), (453, 9930), (463, 9996), (465, 10005),