

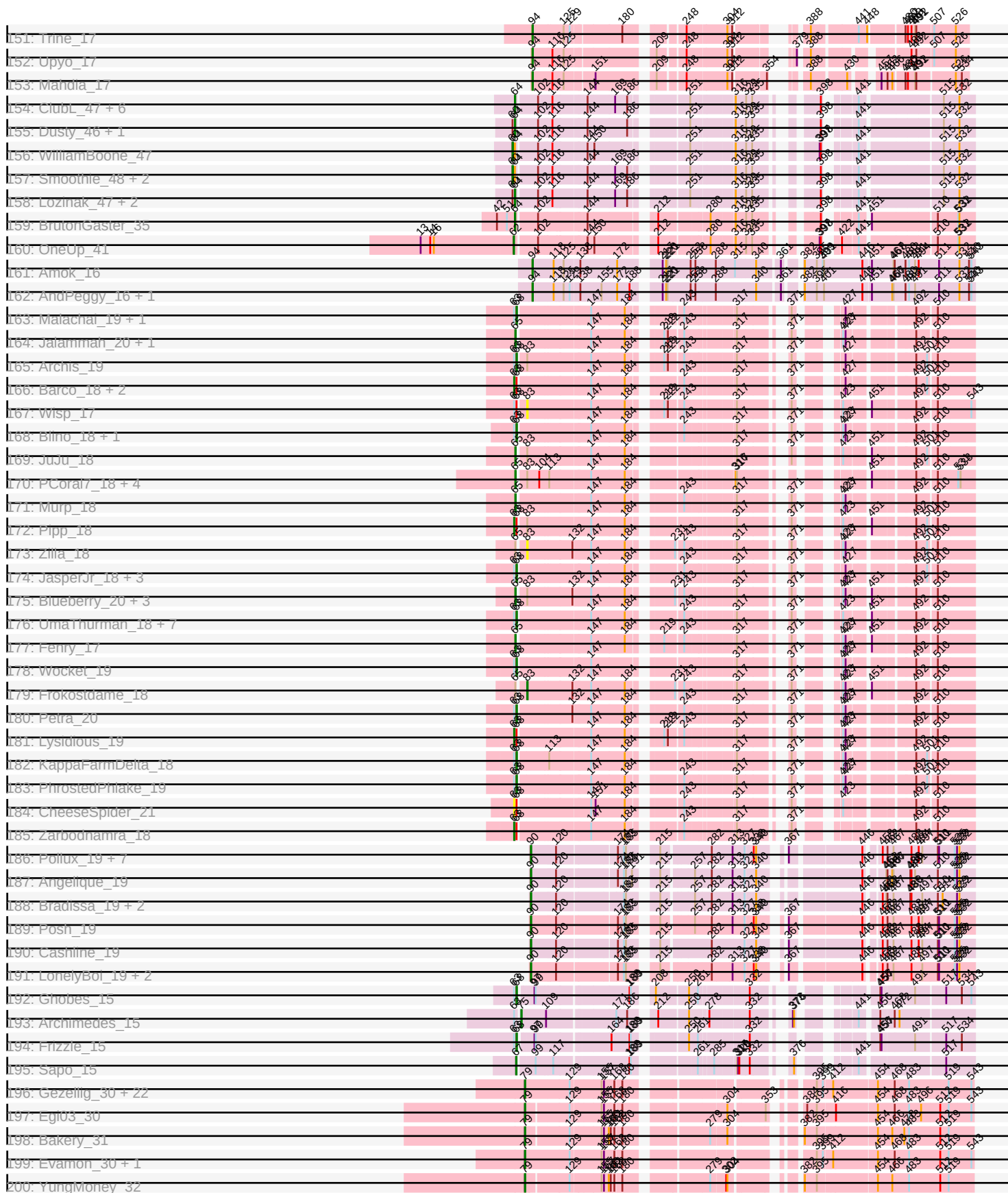
Pham 294284

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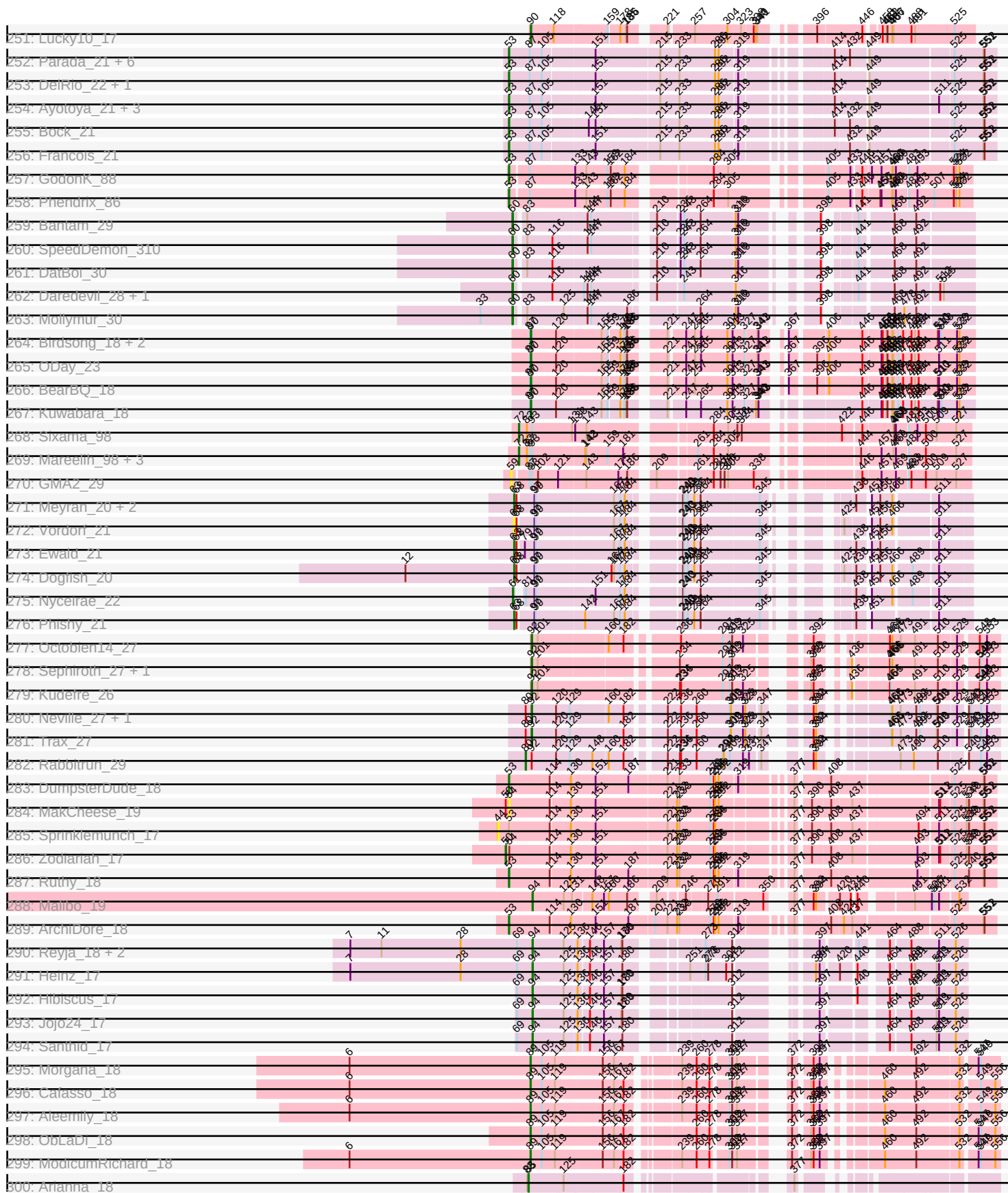
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[illegible]

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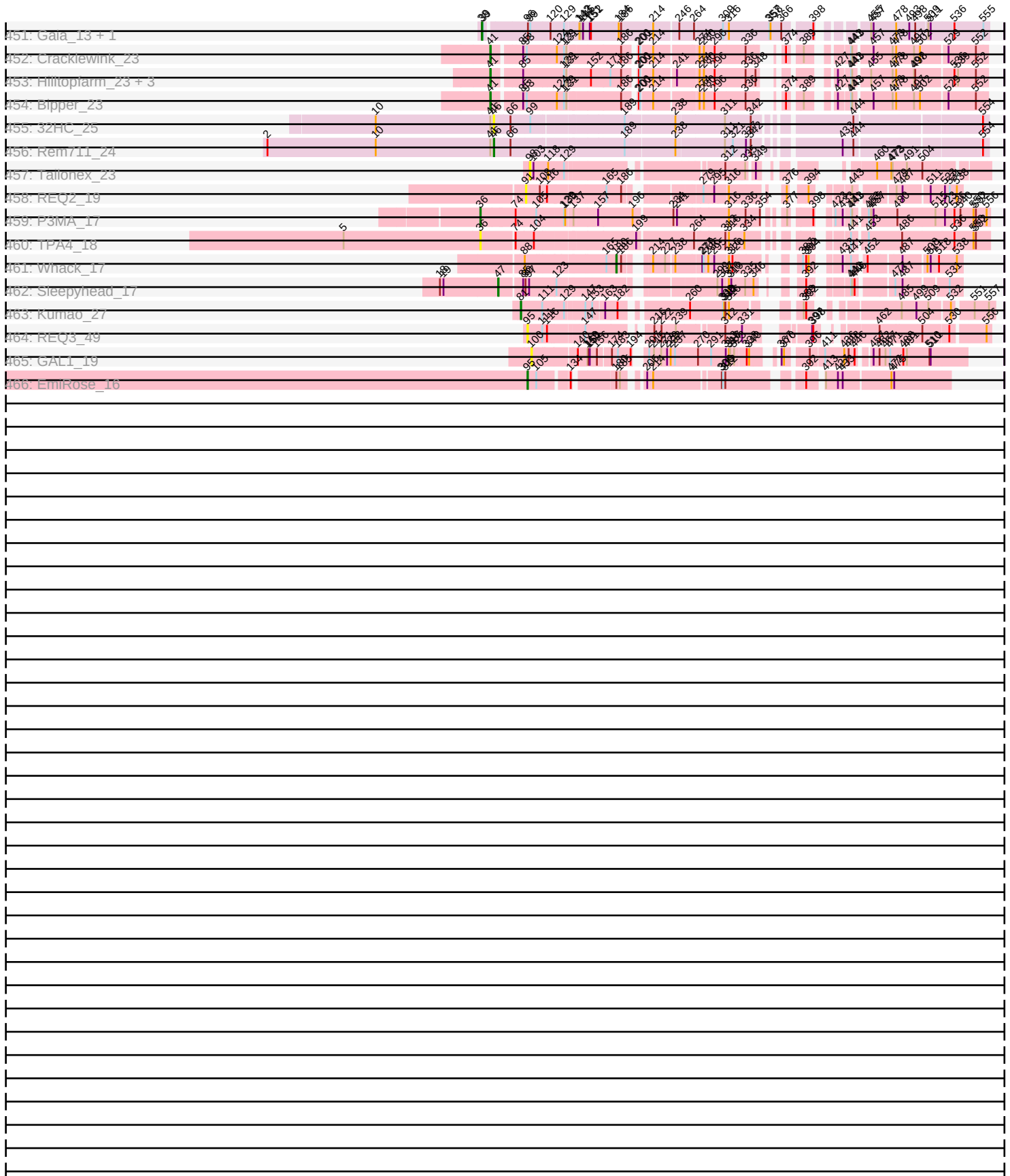
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697: Bollgate_19	21	57	116	130	143	186	214	231	264	316	340	353	398	423	441	456	501	530	535
698: Colossa_19	21	57	116	130	143	186	214	231	264	316	340	353	398	423	441	456	501	530	535
699: VanLee_19	21	57	116	130	143	186	214	231	264	316	340	353	398	423	441	456	501	530	535
700: Wyatt2_17 + 1	21	57	116	130	143	186	214	231	264	316	340	353	398	423	441	456	501	530	535

Item	Category	Value	Color
#01: OPiE_17	17	55	Red
#02: LeBron_17 + 3	17	55	Red
#03: Helena_17	17	55	Red
#04: Mackerman_17 + 4	17	55	Red
#05: Appietree2_17 + 1	17	55	Red
#06: DirkDirk_17 + 2	17	55	Red
#07: Wamburgixpress_17	17	55	Red
#08: Tyson_17	17	55	Red
#09: OverPar_17 + 8	17	55	Red
#10: Faith1_17 + 18	17	55	Red
#11: Claus_17 + 4	17	55	Red
#12: Soap141_17 + 2	17	55	Red
#13: Bazzie_17	17	55	Red
#14: Guuclad_17	17	55	Red
#15: Tourach_17	17	55	Red
#16: Archie_17	17	55	Red
#17: Rossetti_17	17	55	Red
#18: Finlry_18 + 3	18	55	Red
#19: DuncansLeg_18 + 4	18	55	Red
#20: MiniMac_18 + 2	18	55	Red
#21: MsGreen_18 + 10	18	55	Red
#22: WmnrWind_19	19	55	Red
#23: Sheng711_17	17	55	Red
#24: LoyoEdalos_18	18	55	Red
#25: BrainDrainer_18 + 2	18	55	Red
#26: Bromden_18	18	55	Red
#27: Quby_17 + 2	17	55	Red
#28: Kropentea_17	17	55	Red
#29: ChutneyChips_16	16	55	Red
#30: Chaser_17	17	55	Red
#31: Baudelaire_17 + 1	17	55	Red
#32: iPhone7_27 + 14	27	55	Red
#33: Reindeer_25	25	55	Red
#34: RoseMarie_27	27	55	Red
#35: KieverKTS_27	27	55	Red
#36: Rey_31	31	55	Red
#37: WmMagoo_31 + 1	31	55	Red
#38: GenevaB15_31 + 1	31	55	Red
#39: Estes_32	32	55	Red
#40: Nanosmile_31	31	55	Red
#41: Forge_21 + 20	21	55	Red
#42: Gancho_20 + 1	20	55	Red
#43: NovoPizza_18	18	55	Red
#44: Tesla_48 + 5	48	55	Red
#45: Beelzebub_53 + 5	53	55	Red
#46: Hupniepull_51 + 5	51	55	Red
#47: BlackDeeDee_49 + 1	49	55	Red
#48: ZenTimeZ22_18 + 5	18	55	Red
#49: Nette_18 + 1	18	55	Red
#50: Steilammi_15	15	55	Red

Pham 294284



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 294284 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294284 has 1211 members, 160 are drafts.

Phages represented in each track:

- Track 1 : Kimba_27, Aneem_27, Saskia_26, Flaverint_27, Salz_27, Hutc2_27, Bachome_27, MaCh_27, Orange_27, Insomnia_27, Jabith_27, Ebony_27, Gilberta_27, Sham4_27, TinyTimmy_27, Joselito_27, Et2Brutus_26, Wolpertinger_26, Bowtie_27, Mulciber_27, Mabel_27, Fibonacci_27, Bud_27, Petersenfast_26, Snape_27, Munch_27, Lucivia_27, Timothy_27
- Track 2 : Zimmer_29
- Track 3 : Refuge_30
- Track 4 : Pharaoh_27
- Track 5 : DarthPhader_28
- Track 6 : Steamy_28
- Track 7 : Phlei_22
- Track 8 : Gail_26
- Track 9 : Jeeves_26
- Track 10 : SororFago_26
- Track 11 : Luchador_28
- Track 12 : Sunhee_25
- Track 13 : Anon_27
- Track 14 : Boohoo_29, Strosahl_29, DekHockey33_29, Looper_30, MinecraftSteve_30, Remus_29, Battleship_30, Nebulosus_29, JSwag_29, ShayRa_30, ReMo_29, Waits_29, KatherineG_29, Ravana_30, Switzerland_29, Epsocamisio_29, LastResort_29, Anaysia_29, Warrior24_29, Rosalind_29, Soups_29, Oofda_29
- Track 15 : Elle_27
- Track 16 : Nedarya_28
- Track 17 : Lucyedi_28, EagleEye_29, PainterBoy_28
- Track 18 : 40AC_30
- Track 19 : Landor_28, Phaded_30, Bactobuster_28, Jaan_30
- Track 20 : SemperFi_29, QueenBeesly_27, Georgie2_28, Anselm_27, FiringLine_27, SnapTap_27, SweetiePie_27, Crucio_27, Fameo_27, QueenB2_27, Power_27
- Track 21 : Trooper_27
- Track 22 : TopsytheTRex_26
- Track 23 : Benvolio_27, Echild_27
- Track 24 : Bradman_26, MajorMajor_26, Quokka_25
- Track 25 : RedRock_30
- Track 26 : Herbertwm_24
- Track 27 : Odin_26

- Track 28 : JoshKayV_29, KingCyrus_29, Dignity_29, Whabigail7_29, AbbyPaige_29, Jerm_29, Buggy_29, Leviathan_29, LilTurb_29, Smeagan_29, Turbido_29, EvilGenius_29, ChipMunk_29, Agape74_29
- Track 29 : Naji_30, Pomar16_30, D32_30, Tomathan_30, D29_27, Travvers_30
- Track 30 : Piro94_28, Equemioh13_29, Flare16_27, Baehexic_28, Gratitude_28, Drake55_29, NaSiāTalie_27, Sknot_27, WideWale_29, Terrific_31, MiculUcigas_27, Centaur_29, Updawg_29
- Track 31 : Larenn_28, Malec_28
- Track 32 : Journey13_25
- Track 33 : Adzzy_28, Ph8s_28
- Track 34 : IronMan_29
- Track 35 : WeiHuaDA_33
- Track 36 : Retro23_27, Dalmatian_27, DudeLittle_27
- Track 37 : L5_27, Koduck_28
- Track 38 : MissWhite_27
- Track 39 : Heffalump_29
- Track 40 : Kerberos_30
- Track 41 : BobSwaget_30, Rachaly_30
- Track 42 : NothingSpecial_29
- Track 43 : ANI8_30, VC3_30, AN9_30, VA6_27, C3_25
- Track 44 : StarStuff_30
- Track 45 : AnnaL29_30
- Track 46 : Loser_30
- Track 47 : AN3_27
- Track 48 : Iwokeuplikedis_28
- Track 49 : Superchunk_26, Caraxes_26
- Track 50 : DBQu4n_30, Duplo_30
- Track 51 : Pukovnik_29
- Track 52 : NicoleTera_31
- Track 53 : ForesterFrank_28
- Track 54 : LionsBait_28, HippoHollow_28
- Track 55 : Serenity_26
- Track 56 : TarsusIV_27
- Track 57 : EZMoney23_31
- Track 58 : Trixie_30
- Track 59 : Miko_30, Lokk_30
- Track 60 : Kalpine_30
- Track 61 : Prudy_29
- Track 62 : DeerParkTS_28
- Track 63 : Acolyte_27
- Track 64 : 20ES_27
- Track 65 : Deloris_28, BengiVuitton_28
- Track 66 : HarryHoudini_29
- Track 67 : LadyBird_27, CRB1_27
- Track 68 : BabyBack_29, GaugeLDP_29
- Track 69 : SwirlSquare_28
- Track 70 : Che12_29
- Track 71 : Jsquared_26
- Track 72 : Leogania_29, BiancaTri92_29
- Track 73 : Tristan_28
- Track 74 : Colin_31
- Track 75 : Changeling_29
- Track 76 : XianYue_27

- Track 77 : ArcherNM_29
- Track 78 : First_0027
- Track 79 : Anthony_26
- Track 80 : FatCactus_25
- Track 81 : Kinmap_27
- Track 82 : Chargerpower_27
- Track 83 : Florence4_24, Florence1_23
- Track 84 : Taryneara_22, Micasa_23, George_22, Cuco_23, Milcery_23, HuhtaEnerson15_23, Prinasha11_24, Swirley_23
- Track 85 : Archetta_23, Bluefalcon_22, ForGetIt_23, Jovo_23, Ghoulboy_23, Zolita_22, Conspiracy_23, SydNat_23
- Track 86 : PickleBack_23, Lev2_23, Phlorence_23, AgentM_23, Aragog_23, Discoknowium_23
- Track 87 : Theia_21, Twigg_23
- Track 88 : Midas2_23, Dublin_22, MarysWell_22, Coog_23
- Track 89 : PetterN_24
- Track 90 : LittleCherry_23, Bonamassa_23, Tiger_23
- Track 91 : Chadwick_24, Naca_23
- Track 92 : UnionJack_23, Airmid_23
- Track 93 : ElTiger69_23
- Track 94 : Scorpia_24, Benedict_23
- Track 95 : Jabiru_23
- Track 96 : Jeffabunny_30, BlessJoy_30, CloudWang3_30, Gladiator_30, Zaka_30, Blue7_30, Wiks_30, Tucker_30, Hammer_30, Lilbunny_30, Yokurt_30, Gruunaga_30, Roksolana_30, Hexamo_30, ToneTone_28, Artemis2UCLA_30, WunderPhul_30, Zulu_30
- Track 97 : DaVinci_30, SuperAwesome_30, JewelBug_30, Polyphemus_30, GreedyLawyer_30, Jordennis_30, Neeharika16_30, Isiphiwo_30, EricB_30, Pmask_30, McFly_30, SmellyB_30, BennyP_30, VohminGhazi_30, Cookiedough_30, BABullseye_30, Newrala_30, Chartreuse_30, Kipper29_30, Dorothea_30, DelvinSonDorr_29, Kazan_30, SuperCallie99_30, Hoot_30
- Track 98 : Indra_30, Garak_31, Helmet_30, Temprado_30
- Track 99 : Blinn1_30, Priamo_30
- Track 100 : Rifter_30
- Track 101 : Koko_30
- Track 102 : Candra_30
- Track 103 : PP_36
- Track 104 : Smeadley_23, NearlyHeadless_23, Danforth_22, Expelliarmus_22, Dixon_23, Caitlin_22, Roary_23, Astro_23, Saintus_23
- Track 105 : Phillis_23, Groundhog_22
- Track 106 : Stephig9_23
- Track 107 : Jiawan_27, Conquerage_28, Phaeder_28, Spouty_28, Beemo_28, ExplosioNervosa_28, RyeScarlet_29, EmyBug_28, Aliter_28, Lilleskat_26, Eidsmoe_28, Tubs_28, EdogawaKiddo_26, Hanray_27, Priya_28, Catalina_28, Onglai_27, Scherzo_28, Ugenie5_25, Qobbit_28, Pioneer_28, PackMan_28, Fayely_28, Myxus_28, Phonnegut_28, Halex_27, Ayanochan_29, Sachima_26, Alma_28, HortumSL17_28
- Track 108 : Darrell_29
- Track 109 : Charm_27
- Track 110 : Minispark_25
- Track 111 : Rahalelujah_26, CogOmlette_25, Bellris_25, WorldCup_25
- Track 112 : Toaka_26
- Track 113 : Vanisoa_26

- Track 114 : BogosyJay_28
- Track 115 : SheaKeira_27
- Track 116 : Celestiallunch_27, MegTheThird_26
- Track 117 : Elephantoon_28
- Track 118 : Yecey3_27
- Track 119 : Keziacharles14_26
- Track 120 : Maminiaina_28
- Track 121 : LoneWolf_28
- Track 122 : Arissanae_26
- Track 123 : Klodlith_27, DreamTeam1_27
- Track 124 : NoShow_17
- Track 125 : Maco6_18, 8UZL_20
- Track 126 : LongHai_21, Salvus_21
- Track 127 : FF47_20
- Track 128 : Muddy_20
- Track 129 : JacoRen57_16
- Track 130 : Sparky_15, Farewell_15
- Track 131 : MalagasyRose_23
- Track 132 : Nergal_21
- Track 133 : Weirido19_18
- Track 134 : JustASigh_17
- Track 135 : IdentityCrisis_16
- Track 136 : WST1_16
- Track 137 : Espica_22, UhSalsa_22, Naiad_22, Belenaria_22, Swann_22, StCroix_22, Alatin_22, Natosaleda_22, RexFury_22, RER2_15, Nancinator_22
- Track 138 : Gollum_22
- Track 139 : Hiro_22, Krishelle_22, PhailMary_21, AppleCloud_20, Jester_22
- Track 140 : Alpacados_21, BobbyDazzler_22, Bonanza_22, Yoncess_22, Yogi_22, Rasputin_22
- Track 141 : Phrankensteen_22, CosmicSans_22, TWAMP_22, Bradshaw_22, Lillie_22, Erik_22, Rhodalysa_22
- Track 142 : Dinger_22, Partridge_22
- Track 143 : AngryOrchard_21, Takoda_22
- Track 144 : Harlequin_22, Bryce_22
- Track 145 : Shuman_22
- Track 146 : RGL3_15
- Track 147 : Applejacks_17
- Track 148 : Morrissey_18
- Track 149 : Widow_17, Puppies_17
- Track 150 : Gustav_17
- Track 151 : Trine_17
- Track 152 : Upyo_17
- Track 153 : Mahdia_17
- Track 154 : ClubL_47, Cucurbita_49, Aphelion_47, Bachita_49, Toniann_47, Geeche_46, PhinkBoden_47
- Track 155 : Dusty_46, Abscondus_46
- Track 156 : WilliamBoone_47
- Track 157 : Smoothie_48, Norvs_48, Culver_47
- Track 158 : Lozinak_47, Miskis_45, Engineer_48
- Track 159 : BrutonGaster_35
- Track 160 : OneUp_41
- Track 161 : Amok_16
- Track 162 : AndPeggy_16, Yarn_16

- Track 163 : Malachai_19, Begonia_19
- Track 164 : Jalammah_20, Samba_18
- Track 165 : Archis_19
- Track 166 : Barco_18, Melba_18, Guacamole_18
- Track 167 : Wisp_17
- Track 168 : Blino_18, CarolAnn_18
- Track 169 : JuJu_18
- Track 170 : PCoral7_18, William_18, PrincePatrick_18, Fairfaxidum_18, Toast_18
- Track 171 : Murp_18
- Track 172 : Pipp_18
- Track 173 : Zilla_18
- Track 174 : JasperJr_18, MintFen_18, BlingBling_18, Utz_18
- Track 175 : Blueberry_20, MissRona_20, Gambino_20, Azula_20
- Track 176 : UmaThurman_18, CaptainKirk2_18, Mellie_17, Hitter_18, Delian_18, Obliviate_17, ZiggyZoo_17, Walrus_19
- Track 177 : Fenry_17
- Track 178 : Wocket_19
- Track 179 : Frokostdame_18
- Track 180 : Petra_20
- Track 181 : Lysidious_19
- Track 182 : KappaFarmDelta_18
- Track 183 : PhrostedPhlake_19
- Track 184 : CheeseSpider_21
- Track 185 : Zarbodnamra_18
- Track 186 : Pollux_19, BritBrat_19, EMSquaredA_19, Wrigley_19, Jablanski_19, Pytheas_19, Floral_19, Marteena_19
- Track 187 : Angeliq_19
- Track 188 : Bradissa_19, Lilas_19, EnalisNailo_19
- Track 189 : Posh_19
- Track 190 : Cashline_19
- Track 191 : LonelyBoi_19, BeeGee_19, Confidence_19
- Track 192 : Ghobes_15
- Track 193 : Archimedes_15
- Track 194 : Frizzle_15
- Track 195 : Sapo_15
- Track 196 : Gezellig_30, CoveyB_32, Valary_33, Nubi_30, Danyall_32, SmokingBunny_30, Togo_30, Phlop_30, Arri_33, Savbucketdawg_30, Portcullis_30, Wizard_30, PullumCavea_30, Fugax_32, PinkCoffee_32, Shinji_30, Twister6_32, Barb_32, CherryCola_33, ClamChowder_32, Jambalaya_30, KimmyK_32, Halo3_31
- Track 197 : Egi03_30
- Track 198 : Bakery_31
- Track 199 : Evamon_30, Salvador_30
- Track 200 : YungMoney_32
- Track 201 : TillyBobJoe_30, Fireball_31
- Track 202 : Mutzi_32
- Track 203 : RogerDodger_33
- Track 204 : VanDeWege_33
- Track 205 : Clown_34
- Track 206 : Cardigan_46
- Track 207 : Yvonnestic_44, JonJames_46
- Track 208 : ChadMasterC_34, McKinley_36, Rofo_34, Vivi2_36, Paries_36
- Track 209 : Shivanishola_35, Sedona_34, Affeca_32
- Track 210 : Geodirt_31, Kewpiedoll_33

- Track 211 : Fitzgerald_32, BobBob_31, Charming_34
- Track 212 : Ribeye_34
- Track 213 : Saronaya_33, Gustavo_33, Tangerine_33
- Track 214 : Fosterous_32, FuegoCuervo_36
- Track 215 : StorminNorm_33, Ashertheman_34, SchottB_32, Baumdotcom_33
- Track 216 : Kamashten_33, Thing3_33
- Track 217 : Baddon_33, Derg_29
- Track 218 : Angelicage_32
- Track 219 : Keitabear_34
- Track 220 : Nordenberg_28, Brandonk123_35
- Track 221 : LilHam_31
- Track 222 : Lennon_34, Sitar_34
- Track 223 : Barsten_34, Sanjuju_32, Ailee_32, Jabberwocky_32
- Track 224 : Gaea_33
- Track 225 : JKSyngboy_31
- Track 226 : Tangent_34, Galadriel_34, Stultus_32
- Track 227 : McCrothy_34, Love_37
- Track 228 : YorkOnyx_34, Flatwoods_34
- Track 229 : Bibwit_33
- Track 230 : Bizzy_34, Kroos_34, Kwobi_35, Tycho_33
- Track 231 : RiverRaider_34
- Track 232 : MoontowerMania_33
- Track 233 : EMOore_30
- Track 234 : Phauci_25, Hans_34, Ali17_30, Inspectinfecti_33
- Track 235 : Belphegor_32
- Track 236 : MelBins_33
- Track 237 : Leonard_32, Phinally_32
- Track 238 : RoadKill_29
- Track 239 : GTE6_31
- Track 240 : Dexdert_32, Twonlo_29
- Track 241 : Kwekel_31
- Track 242 : Tiamoceli_32, Chickadee_31, EdmundFerry_30
- Track 243 : Natkenzie_34, Sampson_34, BigHunkinEater_36, Abblin_34, Scioto_34, Pumpkiney_35
- Track 244 : Zipp_33, DoctorFroggo_33, Verity_33, Delrey21_33
- Track 245 : APunk_35
- Track 246 : Tardus_35
- Track 247 : ViaConlectus_34
- Track 248 : Zitch_35
- Track 249 : Lilbeanie_29
- Track 250 : Morkie_17, PhorbesPhlower_17
- Track 251 : Lucky10_17
- Track 252 : Parada_21, Brylie_21, Mulch_21, NancyRae_21, WheatThin_21, BetterKatz_21, Nadeem_21
- Track 253 : DelRio_22, Pimento_22
- Track 254 : Ayotoya_21, Hamood_21, Chop_21, GrandSlam_21
- Track 255 : Bock_21
- Track 256 : Francois_21
- Track 257 : GodonK_88
- Track 258 : Phendrix_86
- Track 259 : Bantam_29
- Track 260 : SpeedDemon_310
- Track 261 : DatBoi_30

- Track 262 : Daredevil_28, Towmatter_27
- Track 263 : Mollymur_30
- Track 264 : Birdsong_18, MortyNRick_18, Ecliptus_23
- Track 265 : ODay_23
- Track 266 : BearBQ_18
- Track 267 : Kuwabara_18
- Track 268 : Sixama_98
- Track 269 : Mareelii_98, Forza_100, Boopy_100, BlueNGold_99
- Track 270 : GMA2_29
- Track 271 : Meyran_20, Manilisa_22, BabyMoney_20
- Track 272 : Vordorf_21
- Track 273 : Ewald_21
- Track 274 : Dogfish_20
- Track 275 : Nyceirae_22
- Track 276 : Phishy_21
- Track 277 : Octobien14_27
- Track 278 : Sephiroth_27, Syleon_27
- Track 279 : Kudfre_26
- Track 280 : Neville_27, LilJank_27
- Track 281 : Trax_27
- Track 282 : Rabbitrun_29
- Track 283 : DumpsterDude_18
- Track 284 : MakCheese_19
- Track 285 : Sprinklemunch_17
- Track 286 : Zodiariah_17
- Track 287 : Ruthy_18
- Track 288 : Malibo_19
- Track 289 : ArchiDore_18
- Track 290 : Reyja_18, DonkeyMan_17, Tarzan_17
- Track 291 : Heinz_17
- Track 292 : Hibiscus_17
- Track 293 : Jojo24_17
- Track 294 : Santhid_17
- Track 295 : Morgana_18
- Track 296 : Cafasso_18
- Track 297 : Aleemily_18
- Track 298 : ObLaDi_18
- Track 299 : ModicumRichard_18
- Track 300 : Arianna_18
- Track 301 : Poushou_18, TouchMeNot_18, Colleen_18
- Track 302 : MicyPS_16
- Track 303 : PSonyx_16, Taotie_16
- Track 304 : PinkYoshi_17, Crespo_17, DingDing_17, Jolene_17, Rattrick_17, Gideon_17, CassieYates_17, Angel_17, OctaviousRex_17, ECartman_17, Periodt_17, Phloodle_17, Avrafan_17, Sizemore_17, Schiebel_17, Hope_17, Hotshotbaby7_17, Marmie_17, Cedasite_17, Renaissance_17, AzulaCat_17, BPs_17, Jeilious_17, ZoMa_17, BQuat_17, Camri_17, Coleslaw_17, GoldenAsh_17, DMoney_17, Cherrybomb426_17, DNAIII_0017, Maliketh_17, Neoh_17, Aroostook_17, Phreak_17, Mowgli_17, Kareem_17, BruceB_17, TomBrady_17, Darionha_17, Frosty24_17, Richarlison_17, Gomashi_17, Ruriko_17, AizenPogi_17, Sweets_17, Remy19_17, Kasen3_17, Halo_17, Olga_17, Zombie_17, MZKinsey_17, Chance64_17, JorRay_17, Annihilator_17, ShaboiShabazz_17, Jane_17, LouisV14_17, Wendigo_17, CLED96_17, Jonghyun_17, Phish_17, TinaBug_17

- Track 305 : Paito_17
- Track 306 : Peeb_17
- Track 307 : Taheera_17, Terror_17, Sneeze_17, Rabbs_17
- Track 308 : Barkley26_17
- Track 309 : Plagueis_17
- Track 310 : Liefie_17
- Track 311 : Grizzly_17
- Track 312 : Pace1224_17
- Track 313 : Avocado_17, Cambiare_18
- Track 314 : GodSpeed_18
- Track 315 : FlagStaff_17
- Track 316 : MOOREtheMARYer_17
- Track 317 : Pinnie_18
- Track 318 : Cloudyecho_17
- Track 319 : Jolie2_17
- Track 320 : Lemuria_17
- Track 321 : Mercurio_18
- Track 322 : Antsirabe_17
- Track 323 : YangYin_17
- Track 324 : Stargaze_17
- Track 325 : Durfee_22, Joy99_22, Prithvi_22, Adonis_22, Zavala_22, HedwigODU_22, Dalmuri_22, Inky_22, TreyKay_22, BGlluviae_22, Jeckyll_22, CallaLilly_22, Veliki_22, CrimD_22, Sulley_22, CREW_22, Ramen_22, Rapunzel97_22, Pokerus_21, AlishaPH_22, Boiii_22, Belladonna_22, CheetoDust_22, Peel_22, Angelica_22, Jayhawk_22, Mynx_22, Asayake_22, TruffulaTree_22, Ganymede_23, Twitch_22, Emerson_22, BarrelRoll_22, Adephagia_22, Deby_22, Piatt_22, Blizzard_22, BaghaKamala_22, JAWS_22, BEEST_22, Beezoo_22, CaseJules_22, YoureAdopted_21, Hyperbowlee_22, Jarvi_22, Spock_22, QuincyRose_21, Slimphazie_22, Clipper_22, LindNT_22, Tiri_22, Tachez_22, Topper_22, ActinUp_22, Padpat_22, MacKat_22, Llorens_22, Capricorn_22, Atiba_22, Homura_22, Padfoot_22, Rosmarinus_22, ShiaSurprise_22, Zabiza_22, Lunahalos_22
- Track 326 : LilPharaoh_18, Teejan_18, Nutello_18, SgtBeansprout_18, Mdavu_18, Enkosi_18, Amelie_18, Binglebops_18, Torres_18, Trice_18, Nikao_18
- Track 327 : Chavito_22
- Track 328 : Anma_22, DrHayes_22, Urkel_22, TiniBug_22, SamuelLPlaqson_22
- Track 329 : Anaya_23
- Track 330 : Illumine_22, Devera_22, Dole_22
- Track 331 : Guanica15_22, Yunkel11_22, Efra2_22
- Track 332 : Pisa4_21, Bern_22, Pisa1_21
- Track 333 : Geraldini_22, MeaningOfLife_22
- Track 334 : Curiosium_23
- Track 335 : Bella96_22, DartGoblin_22
- Track 336 : LaterM_22, Murucutumbu_22
- Track 337 : Shaobing_22, Dartin_22, Peanam_22, Richo_22, McMater_22, Niklas_22
- Track 338 : LastHope_22
- Track 339 : Megsy_22, TaiwanKao_23
- Track 340 : LeMond_21, Oscar_21
- Track 341 : Stinson_22, Ageofdapage_22
- Track 342 : MarkPhew_22
- Track 343 : Apocalypse_22
- Track 344 : TingHuaYa_22

- Track 345 : Chris_21
- Track 346 : KiSi_21
- Track 347 : Validus_22
- Track 348 : Scarlett_21
- Track 349 : Nibb_21
- Track 350 : Findley_18, Strobilo_18, DismalFunk_18, Milly_18, DismalStressor_18, Marcoliusprime_18
- Track 351 : BoostSeason_18, Doughnut_18, Mufasa_18
- Track 352 : ZoeJ_18
- Track 353 : TM4_18
- Track 354 : MacnCheese_22
- Track 355 : Pixie_21
- Track 356 : TBond007_21
- Track 357 : ShedlockHolmes_21, Lea83_21
- Track 358 : Pharb_21
- Track 359 : TribbleTrouble_20
- Track 360 : Hurricane_21
- Track 361 : Keshu_21
- Track 362 : Bobquesha_24, MissDaisy_23, Patt_23
- Track 363 : Fionnbharth_23, Kraw_23, Y10_23, YasnayaPolyana_23, Wintermute_23, Malthus_24, Y2_23, JF1_23
- Track 364 : SamScheppers_21, DanSyl44_24, OmniCritical_23, Lebo14_23, Taquito_21, Mitti_23
- Track 365 : Chancellor_23, Slarp_23, Cheetobro_23
- Track 366 : Juliette_23, Ruthiejr_22, Eponine_23
- Track 367 : Qhanda_24
- Track 368 : Reptar3000_23
- Track 369 : Omnicron_20
- Track 370 : InvictusManeo_20, BananenDer11_20, ViviJ_19, Agent47_20, LilDirt_19, Collard_20, DoubleChamp_20
- Track 371 : AlleyCat_20, Edugator_19, Neighly_20, Psycho_20, Larva_20
- Track 372 : SoSeph_20, Heftyboy_20, Gengar_20
- Track 373 : Miryou_20, Thyatira_20
- Track 374 : Guillsminger_20, Paola_20, Leston_20
- Track 375 : Feyre_20, Waterfoul_20
- Track 376 : Rando14_20
- Track 377 : Dadosky_20
- Track 378 : OkiRoe_20
- Track 379 : Kratio_19
- Track 380 : Phrank_21, Bryler_21, Cain_21, Tierra_21
- Track 381 : Shadow1_20, Sunflower1121_20
- Track 382 : Ekdilam_19
- Track 383 : Ellie_19, Applecrisp_20, Fefferhead_21
- Track 384 : Amohnition_21
- Track 385 : Krueger_21, Tigress9_22
- Track 386 : Amgine_20, Lavahound_20
- Track 387 : Hammy_21, DarthP_21
- Track 388 : Marshawn_23
- Track 389 : Syra333_21
- Track 390 : TClif_21
- Track 391 : Ximenita_22
- Track 392 : PhelpsODU_21, Unicorn_21
- Track 393 : Yuna_22

- Track 394 : November_20
- Track 395 : SirPhilip_21
- Track 396 : Aminay_20
- Track 397 : Boilgate_19
- Track 398 : Colossa_19
- Track 399 : VanLee_19
- Track 400 : Wyatt2_17, Acquire49_17
- Track 401 : UPIE_17
- Track 402 : LeBron_17, Calm_17, Zaria_17, CicholasNage_17
- Track 403 : Halena_17
- Track 404 : MACKerman_17, AvadaKedavra_17, Silverleaf_17, Rose5_17, Poochiewood_17
- Track 405 : Appletree2_17, JoeDirt_17
- Track 406 : DirkDirk_17, OhShagHennessy_17, Enceladus_17
- Track 407 : Wamburgexpress_17
- Track 408 : Tyson_17
- Track 409 : OverPar_17, Wigglewobble_17, Loadrie_17, Kahlid_17, Nicholasp3_17, Lynnae_17, Underpass_17, Gardann_17, Wilder_17
- Track 410 : Faith1_17, DrSeegs_17, Zakai_17, Crossroads_17, Gabriela_17, SoJulia_17, Finemlucis_17, BigCheese_17, Breezona_17, Rumpelstiltskin_17, BobsGarage_17, LilDestine_17, Lewan_17, Netyap_17, Itos_17, MkaliMitinis3_17, Miley16_17, Vetrix_17, Winky_17
- Track 411 : Claus_17, ZhongYanYuan_16, DanBing_16, Baoshan_16, DHan_17
- Track 412 : Soap141_17, Sarshaun_17, Hafay_17
- Track 413 : Bazzle_17
- Track 414 : GuuelaD_17
- Track 415 : Tourach_17
- Track 416 : Archie_17
- Track 417 : Rossetti_17
- Track 418 : Finnry_18, Bellis_18, Samty_18, Moostard_18
- Track 419 : DuncansLeg_18, BourbonZero_17, KirDoubleO7_16, LiyuLake_18, Ellson_18
- Track 420 : MiniMac_18, Lolly9_18, MiniLon_18
- Track 421 : MsGreen_18, Jobypre_18, Red305_18, Jubie_18, Clautastrophe_18, Snenia_18, Krypton555_18, Kingsolomon_18, TriFive_18, Nicholas_18, Lumos_18
- Track 422 : Whirlwind_19
- Track 423 : Sheng711_17
- Track 424 : DyoEdafos_18
- Track 425 : BrainDrainer_18, Douzhi_17, PYPDinur_17
- Track 426 : Bromden_18
- Track 427 : Quby_17, Douge_17, FarmResident_17
- Track 428 : Kropertea_17
- Track 429 : ChutneyChips_16
- Track 430 : Chaser_17
- Track 431 : Baudelaire_17, Aegeus_17
- Track 432 : IPhane7_27, Auspice_27, TpudiCK_28, Izel_28, Bricole_27, Glaske16_28, FreakyGoo_28, LilhomieP_26, Bongo_27, SlimJimmy_26, PegLeg_27, Diminimus_28, TyDawg_27, Dulcita_28, Skinny_28
- Track 433 : Reindeer_25
- Track 434 : RoseMarie_27
- Track 435 : KleverKiS_27
- Track 436 : Rey_31
- Track 437 : MrMagoo_31, GardenSalsa_31

- Track 438 : GenevaB15_31, Aziz_31
- Track 439 : Estes_32
- Track 440 : Nanosmite_31
- Track 441 : Forge_21, DeepSoil15_21, Amymech_21, Giles_21, Kinbote_21, BloominB_21, Webster2_21, Hadrien_21, LilHazelNut_21, Luke_21, Evanescence_21, HH92_21, Wishmaker_21, Ein37_21, Daegal_22, Dewey_21, Amochick_21, Hail_21, Ubuntu_21, OBUpride_21, Luna22_21
- Track 442 : Gancho_20, Gravaillia_21
- Track 443 : NovoPizza_18
- Track 444 : Tesla_48, Caprice_46, MosMoris_47, Gattaca_48, Raela_49, RedRaider77_49
- Track 445 : Beelzebub_53, Pringar_49, GoongGoong_48, Marvin_47, VasuNzinga_49, JoieB_50
- Track 446 : Huphlepuuff_51, LittleLaf_49, FeliMaine_51, Corazon_47, Lilbit_48, Clarkson_50
- Track 447 : Blackbeetle_49, Poise_49
- Track 448 : ZenTime222_18, Ibrahim_18, Bernal13_18, Whitty_18, Nairb_18, RonRayGun_18
- Track 449 : Nette_18, Mendokysei_17
- Track 450 : Stellammi_15
- Track 451 : Gaia_13, Nebkiss_14
- Track 452 : Cracklewink_23
- Track 453 : Hilltopfarm_23, Faiyaz_23, AuntGwenStacy_23, Typha_23
- Track 454 : Bipper_23
- Track 455 : 32HC_25
- Track 456 : Rem711_24
- Track 457 : Tailonex_23
- Track 458 : REQ2_19
- Track 459 : P3MA_17
- Track 460 : TPA4_18
- Track 461 : Whack_17
- Track 462 : Sleepyhead_17
- Track 463 : Kumao_27
- Track 464 : REQ3_49
- Track 465 : GAL1_19
- Track 466 : EmiRose_16

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

The start number called the most often in the published annotations is 92, it was called in 316 of the 1051 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_27, 40AC_30, AN3_27, AN9_30, ANI8_30, AbbyPaige_29, Acolyte_27, Adzzy_28, Aegeus_17, Agape74_29, Aliter_28, Alma_28, Aneem_27, AnnaL29_30, Anselm_27, Anthony_26, ArcherNM_29, Archie_17, Arissanae_26, Artemis2UCLA_30, AvadaKedavra_17, Ayanochan_29, BABullseye_30, BabyBack_29, Bachome_27, Bactobuster_28, Baehexic_28, Baoshan_16, Baudelaire_17, Bazzle_17, Beelzebub_53, Beemo_28, Bellis_18, Bellris_25, BengiVuitton_28, BennyP_30, Benvolio_27, BiancaTri92_29, BigCheese_17,

Blackbeetle_49, BlessJoy_30, Blinn1_30, Blue7_30, BobSwaget_30, BobsGarage_17, BogosyJay_28, BourbonZero_17, Bowtie_27, Bradman_26, BrainDrainer_18, Breezona_17, Bromden_18, Bud_27, Bugsy_29, C3_25, CRB1_27, Candra_30, Caprice_46, Caraxes_26, Catalina_28, Celestiallunch_27, Centaur_29, Changeling_29, Chargerpower_27, Charm_27, Chartreuse_30, Chaser_17, Che12_29, ChipMunk_29, Clarkson_50, Claus_17, Clautastrophe_18, CloudWang3_30, CogOmlette_25, Colin_31, Conquerage_28, Cookiedough_30, Corazon_47, Crossroads_17, Crucio_27, D29_27, D32_30, DBQu4n_30, DHan_17, DaVinci_30, Dalmatian_27, DanBing_16, Darrell_29, DARTHPhader_28, DeerParkTS_28, Deloris_28, DelvinSonDorr_29, Dignity_29, DirkDirk_17, Dorothea_30, Douge_17, Douzhi_17, DrSeegs_17, Drake55_29, DreamTeam1_27, DudeLittle_27, DuncansLeg_18, Duplo_30, DyoEdafos_18, EZMoney23_31, EagleEye_29, Ebony_27, Echild_27, EdogawaKiddo_26, Eidsmoe_28, Elephantoon_28, Ellson_18, EmyBug_28, Enceladus_17, Equemioh13_29, EricB_30, Et2Brutus_26, EvilGenius_29, ExplosioNervosa_28, Faith1_17, Fameo_27, FarmResident_17, FatCactus_25, Fayely_28, FeliMaine_51, Fibonacci_27, Finemlucis_17, Finnry_18, FiringLine_27, First_0027, Flare16_27, Flaverint_27, ForesterFrank_28, Gabriela_17, Gail_26, Garak_31, Gardann_17, Gattaca_48, GaugeLDP_29, Georgie2_28, Gilberta_27, Gladiator_30, GoongGoong_48, Gratitude_28, GreedyLawyer_30, Gruunaga_30, GuuelaD_17, Hafay_17, Halena_17, Hammer_30, Hanray_27, HarryHoudini_29, Heffalump_29, Helmet_30, Herbertwm_24, Hexamo_30, HippoHollow_28, Horex_27, Hoot_30, HortumSL17_28, Huphlepuuff_51, Hutc2_27, Indra_30, Insomnia_27, IronMan_29, Isiphiwo_30, Itos_17, Iwokeuplikedis_28, Jaan_30, Jabith_27, Jeeves_26, Jeffabunny_30, Jerm_29, JewelBug_30, Jiawan_27, Jobypre_18, JoieB_50, Jordennis_30, Joselito_27, JoshKayV_29, Journey13_25, Jsquared_26, Jubie_18, Kahlid_17, Kalpine_30, Kazan_30, Kerberos_30, Keziacharles14_26, Kimba_27, KingCyrus_29, Kingsolomon_18, Kinmap_27, Kipper29_30, KirDoubleO7_16, Klodlith_27, Koduck_28, Koko_30, Kropertea_17, Krypton555_18, Kudetre_26, L5_27, LadyBird_27, Landor_28, Larenn_28, Leogania_29, Leviathan_29, Lewan_17, LilDestine_17, LilJank_27, LilTurb_29, Lilbit_48, Lilbunny_30, Lilleskat_26, LionsBait_28, LittleLaf_49, LiyuLake_18, Loadrie_17, Lokk_30, Lolly9_18, Loser_30, Luchador_28, Lucivia_27, Lucyedi_28, Lumos_18, Lynnae_17, MAckerman_17, MaCh_27, Mabel_27, MajorMajor_26, Malec_28, Maminiaina_28, Marvin_47, McFly_30, MegTheThird_26, MiculUcigas_27, Miko_30, Miley16_17, MiniLon_18, MiniMac_18, Minispark_25, MissWhite_27, MkaliMitinis3_17, Moostard_18, MosMoris_47, MsGreen_18, Mulciber_27, Munch_27, Myxus_28, NaSiaTalie_27, Naji_30, Neeharika16_30, Netyap_17, Neville_27, Newrala_30, Nicholas_18, Nicholasp3_17, NicoleTera_31, NothingSpecial_29, Octobien14_27, Odin_26, OhShagHennessy_17, Onglai_27, Orange_27, OverPar_17, PYPDinur_17, PackMan_28, PainterBoy_28, Petersenfast_26, Ph8s_28, Phaded_30, Phaeder_28, Pharaoh_27, Phlei_22, Phonnegut_28, Pioneer_28, Piro94_28, Pmask_30, Poise_49, Polyphemus_30, Pomar16_30, Poochiewood_17, Power_27, Priamo_30, Pringar_49, Priya_28, Prudy_29, Pukovnik_29, Qobbit_28, Quby_17, QueenB2_27, QueenBeesly_27, Quokka_25, Rachaly_30, Raela_49, Rahalelujah_26, Red305_18, RedRaider77_49, RedRock_30, Refuge_30, Retro23_27, Rifter_30, Roksolana_30, Rose5_17, Rossetti_17, Rumpelstiltskin_17, RyeScarlet_29, Sachima_26, Salz_27, Samty_18, Sarshaun_17, Saskia_26, Scherzo_28, SemperFi_29, Sephiroth_27, Serenity_26, Sham4_27, SheaKeira_27, Silverleaf_17, Sknot_27, Smeagan_29, SmellyB_30, SnapTap_27, Snape_27, Snenia_18, SoJulia_17, Soap141_17, SororFago_26, Spouty_28, StarStuff_30, Steamy_28, SuperAwesome_30, SuperCallie99_30, Superchunk_26, SweetiePie_27, SwirlSquare_28, Syleon_27, TarsusIV_27, Temprado_30, Terrific_31, Tesla_48, Timothy_27, TinyTimmy_27,

TipsytheTRex_26, Toaka_26, Tomathan_30, ToneTone_28, Tourach_17, Travvers_30, Trax_27, TriFive_18, Tristan_28, Trixie_30, Trooper_27, Tubs_28, Tucker_30, Turbido_29, Tyson_17, Ugenie5_25, Underpass_17, Updawg_29, VA6_27, VC3_30, Vanisoa_26, VasuNzinga_49, Vetrix_17, VohminGhazi_30, Wamburgxpress_17, WeiHuaDA_33, Whabigail7_29, Whirlwind_19, WideWale_29, Wigglewiggles_17, Wiks_30, Wilder_17, Winky_17, Wolpertinger_26, WorldCup_25, WunderPhul_30, XianYue_27, Yecey3_27, Yokurt_30, Zaka_30, Zakai_17, ZhongYanYuan_16, Zimmer_29, Zulu_30,

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

- Acquire49_17, Appletree2_17, Calm_17, ChutneyChips_16, CicholasNage_17, JoeDirt_17, LeBron_17, Rabbitrun_29, Sheng711_17, UPIE_17, Wyatt2_17, Zaria_17,

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

- 32HC_25, 8UZL_20, APunk_35, Abblin_34, Abscondus_46, ActinUp_22, Adephagia_22, Adonis_22, Affeca_32, Agent47_20, AgentM_23, Ageofdapage_22, Ailee_32, Airmid_23, AizenPogi_17, Alatin_22, Aleemily_18, Ali17_30, AlishaPH_22, AlleyCat_20, Alpacados_21, Amelie_18, Amgine_20, Aminay_20, Amochick_21, Amohntion_21, Amok_16, Amymech_21, Anaya_23, Anaysia_29, AndPeggy_16, Angel_17, Angelica_22, Angelicage_32, Angelique_19, AngryOrchard_21, Anma_22, Annihilator_17, Anon_27, Antsirabe_17, Aphelion_47, Apocalypse_22, AppleCloud_20, Applecrisp_20, Applejacks_17, Aragog_23, Archetta_23, ArchiDore_18, Archimedes_15, Archis_19, Arianna_18, Aroostook_17, Arri_33, Asayake_22, Ashertheman_34, Astro_23, Atiba_22, AuntGwenStacy_23, Auspice_27, Avocado_17, Avrafan_17, Ayotoya_21, Aziz_31, AzulaCat_17, Azula_20, BEEST_22, BGlluvia_22, BPs_17, BQuat_17, BabyMoney_20, Bachita_49, Baddon_33, BaghaKamala_22, Bakery_31, BananenDer11_20, Bantam_29, Barb_32, Barco_18, Barkley26_17, BarrelRoll_22, Barsten_34, Battleship_30, Baumdotcom_33, BearBQ_18, BeeGee_19, Beezoo_22, Begonia_19, Belenaria_22, Bella96_22, Belladonna_22, Belphegor_32, Benedict_23, Bern_22, Bernal13_18, BetterKatz_21, Bibwit_33, BigHunkinEater_36, Binglebops_18, Bipper_23, Birdsong_18, Bizzy_34, BlingBling_18, Blino_18, Blizzard_22, BloominB_21, BlueNGold_99, Blueberry_20, Bluefalcon_22, BobBob_31, BobbyDazzler_22, Bobquesha_24, Bock_21, Boiii_22, Boilgate_19, Bonamassa_23, Bonanza_22, Bongo_27, Boohoo_29, Boopy_100, BoostSeason_18, Bradissa_19, Bradshaw_22, Brandonk123_35, Bricole_27, BritBrat_19, BruceB_17, BrutonGaster_35, Bryce_22, Bryler_21, Brylie_21, CLED96_17, CREW_22, Cafasso_18, Cain_21, Caitlin_22, CallaLilly_22, Cambiare_18, Camri_17, Capricorn_22, CaptainKirk2_18, Cardigan_46, CarolAnn_18, CaseJules_22, Cashline_19, CassieYates_17, Cedasite_17, ChadMasterC_34, Chadwick_24, Chance64_17, Chancellor_23, Charming_34, Chavito_22, CheeseSpider_21, CheetoDust_22, Cheetobro_23, CherryCola_33, Cherrybomb426_17, Chickadee_31, Chop_21, Chris_21, ClamChowder_32, Clipper_22, Cloudyecho_17, Clown_34, ClubL_47, Coleslaw_17, Collard_20, Colleen_18, Colossa_19, Confidence_19, Conspiracy_23, Coog_23, CosmicSans_22, CoveyB_32, Cracklewink_23, Crespo_17, CrimD_22, Cuco_23, Cucurbita_49, Culver_47, Curiosium_23, DMoney_17, DNAll_0017, Dadosky_20, Daegal_22, Dalmuri_22, DanSyl44_24, Danforth_22, Danyall_32, Daredevil_28, Darionha_17, DartGoblin_22, DarthP_21, Dartin_22, DatBoi_30, Deby_22, DeepSoil15_21, DekHockey33_29, DelRio_22, Delian_18, Delrey21_33, Derg_29, Devera_22, Dewey_21, Dexdert_32, Diminimus_28, DingDing_17, Dinger_22, Discoknowium_23, DismalFunk_18, DismalStressor_18, Dixon_23, DoctorFroggo_33, Dogfish_20, Dole_22,

DonkeyMan_17, DoubleChamp_20, Doughnut_18, DrHayes_22, Dublin_22, Dulcita_28, DumpsterDude_18, Durfee_22, Dusty_46, ECartman_17, EMOore_30, EMSquaredA_19, Ecliptus_23, EdmundFerry_30, Edugator_19, Efra2_22, Egi03_30, Ein37_21, Ekdilam_19, ElTiger69_23, Elle_27, Ellie_19, Emerson_22, EmiRose_16, EnalisNailo_19, Engineer_48, Enkosi_18, Eponine_23, Epsocamisio_29, Erik_22, Espica_22, Estes_32, Evamon_30, Evanesce_21, Ewald_21, Expelliarmus_22, FF47_20, Fairfaxidum_18, Faiyaz_23, Farewell_15, Fefferhead_21, Fenry_17, Feyre_20, Findley_18, Fionnbharth_23, Fireball_31, Fitzgerald_32, FlagStaff_17, Flatwoods_34, Floral_19, Florence1_23, Florence4_24, ForGetIt_23, Forge_21, Forza_100, Fosterous_32, Francois_21, FreakyGoo_28, Frizzle_15, Frokostdame_18, Frosty24_17, FuegoCuervo_36, Fugax_32, GAL1_19, GMA2_29, GTE6_31, Gaea_33, Gaia_13, Galadriel_34, Gambino_20, Gancho_20, Ganymede_23, GardenSalsa_31, Geeche_46, GenevaB15_31, Gengar_20, Geodirt_31, George_22, Geraldini_22, Gezellig_30, Ghobes_15, Ghoulyboy_23, Gideon_17, Giles_21, Glaske16_28, GodSpeed_18, GodonK_88, GoldenAsh_17, Gollum_22, Gomashi_17, GrandSlam_21, Gravaillia_21, Grizzly_17, Groundhog_22, Guacamole_18, Guanica15_22, Guillsminger_20, Gustav_17, Gustavo_33, HH92_21, Hadrien_21, Hail_21, Halo3_31, Halo_17, Hammy_21, Hamood_21, Hans_34, Harlequin_22, HedwigODU_22, Heftyboy_20, Heinz_17, Hibiscus_17, Hilltopfarm_23, Hiro_22, Hitter_18, Homura_22, Hope_17, Hotshotbaby7_17, HuhtaEnerson15_23, Hurricane_21, Hyperbowlee_22, IPHane7_27, Ibrahim_18, IdentityCrisis_16, Illumine_22, Inky_22, Inspectinfecti_33, InvictusManeo_20, Izel_28, JAWS_22, JF1_23, JKSyngboy_31, JSWag_29, Jabberwocky_32, Jabiru_23, Jablanski_19, JacoRen57_16, Jalammah_20, Jambalaya_30, Jane_17, Jarvi_22, JasperJr_18, Jayhawk_22, Jeckyll_22, Jeilious_17, Jester_22, Jojo24_17, Jolene_17, Jolie2_17, JonJames_46, Jonghyun_17, JorRay_17, Jovo_23, Joy99_22, JuJu_18, Juliette_23, JustASigh_17, Kamashten_33, KappaFarmDelta_18, Kareem_17, Kasen3_17, KatherineG_29, Keitabear_34, Keshu_21, Kewpiedoll_33, KiSi_21, KimmyK_32, Kinbote_21, KleverKiS_27, Kratio_19, Kraw_23, Krishelle_22, Kroos_34, Krueger_21, Kumao_27, Kuwabara_18, Kwekel_31, Kwobi_35, Larva_20, LastHope_22, LastResort_29, LaterM_22, Lavahound_20, LeMond_21, Lea83_21, Lebo14_23, Lemuria_17, Lennon_34, Leonard_32, Leston_20, Lev2_23, Liefie_17, LilDirt_19, LilHam_31, LilHazelNut_21, LilPharaoh_18, Lilas_19, Lilbeanie_29, LilhomieP_26, Lillie_22, LindNT_22, LittleCherry_23, Llorens_22, LoneWolf_28, LonelyBoi_19, LongHai_21, Looper_30, LouisV14_17, Love_37, Lozinak_47, Lucky10_17, Luke_21, Luna22_21, Lunahalos_22, Lysidious_19, MOOREtheMARYer_17, MZKinsey_17, MacKat_22, MacnCheese_22, Maco6_18, Mahdia_17, MakCheese_19, Malachai_19, MalagasyRose_23, Malibo_19, Maliketh_17, Malthus_24, Manilisa_22, Marcoliusprime_18, Mareelih_98, MarkPhew_22, Marmie_17, Marshawn_23, Marteenaa_19, MarysWell_22, McCrothy_34, McKinley_36, McMater_22, Mdavu_18, MeaningOfLife_22, Megsy_22, MelBins_33, Melba_18, Mellie_17, Mendokysei_17, Mercurio_18, Meyran_20, Micasa_23, MicyPS_16, Midas2_23, Milcery_23, Milly_18, MinecraftSteve_30, MintFen_18, Miryou_20, Miskis_45, MissDaisy_23, MissRona_20, Mitti_23, ModicumRichard_18, Mollymur_30, MoontowerMania_33, Morgana_18, Morkie_17, Morrissey_18, MortyNRick_18, Mowgli_17, MrMagoo_31, Muddy_20, Mufasa_18, Mulch_21, Murp_18, Murucutumbu_22, Mutzi_32, Mynx_22, Naca_23, Nadeem_21, Naiad_22, Nairb_18, Nancinator_22, NancyRae_21, Nanosmite_31, Natkenzie_34, Natosaleda_22, NearlyHeadless_23, Nebkiss_14, Nebulosus_29, Nedarya_28, Neighly_20, Neoh_17, Nergal_21, Nette_18, Nibb_21, Nikao_18, Niklas_22, NoShow_17, Nordenberg_28, Norvs_48, November_20, NovoPizza_18, Nubi_30, Nutello_18, Nyceirae_22, OBUpride_21, ODay_23, ObLaDi_18, Obliviate_17, OctaviousRex_17, OkiRoe_20, Olga_17, OmniCritical_23, Omnicron_20, OneUp_41, Oofda_29, Oscar_21, P3MA_17, PCoral7_18, PP_36,

PSonyx_16, Pace1224_17, Padfoot_22, Padpat_22, Paito_17, Paola_20, Parada_21,
 Paries_36, Partridge_22, Patt_23, Peanam_22, Peeb_17, Peel_22, PegLeg_27,
 Periodt_17, Petra_20, PetterN_24, PhailMary_21, Pharb_21, Phauci_25,
 PhelpsODU_21, Phendrix_86, Phillis_23, Phinally_32, PhinkBoden_47, Phish_17,
 Phishy_21, Phloodle_17, Phlop_30, Phlorence_23, PhorbesPhlower_17, Phrank_21,
 Phrankenstein_22, Phreak_17, PhrostedPhlake_19, Piatt_22, PickleBack_23,
 Pimento_22, PinkCoffee_32, PinkYoshi_17, Pinnie_18, Pipp_18, Pisa1_21,
 Pisa4_21, Pixie_21, Plagueis_17, Pokerus_21, Pollux_19, Portcullis_30, Posh_19,
 Poushou_18, Prinasse11_24, PrincePatrick_18, Prithvi_22, Psycho_20,
 PullumCavea_30, Pumpkiney_35, Puppies_17, Pytheas_19, Qhanda_24,
 QuincyRose_21, REQ2_19, REQ3_49, RER2_15, RGL3_15, Rabbs_17, Ramen_22,
 Rando14_20, Rapunzel97_22, Rasputin_22, Rattrick_17, Ravana_30, ReMo_29,
 Reindeer_25, Rem711_24, Remus_29, Remy19_17, Renaissance_17,
 Reptar3000_23, RexFury_22, Rey_31, Reyja_18, Rhodalysa_22, Ribeye_34,
 Richarlison_17, Richo_22, RiverRaider_34, RoadKill_29, Roary_23, Rofo_34,
 RogerDodger_33, RonRayGun_18, Rosalind_29, RoseMarie_27, Rosmarinus_22,
 Ruriko_17, Ruthiejr_22, Ruthy_18, Saintus_23, Salvador_30, Salvus_21,
 SamScheppers_21, Samba_18, Sampson_34, SamuelLPlaqson_22, Sanjuju_32,
 Santhid_17, Sapo_15, Saronaya_33, Savbucketdawg_30, Scarlett_21, Schiebel_17,
 SchottB_32, Scioto_34, Scorpia_24, Sedona_34, SgtBeansprout_18,
 ShaboiShabazz_17, Shadow1_20, Shaobing_22, ShayRa_30, ShedlockHolmes_21,
 ShiaSurprise_22, Shinji_30, Shivanishola_35, Shuman_22, SirPhilip_21, Sitar_34,
 Sixama_98, Sizemore_17, Skinny_28, Slarp_23, Sleepyhead_17, SlimJimmy_26,
 Slimphazie_22, Smeadley_23, SmokingBunny_30, Smoothie_48, Sneeze_17,
 SoSeph_20, Soups_29, Sparky_15, SpeedDemon_310, Spock_22,
 Sprinklemunch_17, StCroix_22, Stargaze_17, Stellammi_15, Stephig9_23,
 Stinson_22, StorminNorm_33, Strobilo_18, Strosahl_29, Stultus_32, Sulley_22,
 Sunflower1121_20, Sunhee_25, Swann_22, Sweets_17, Swirley_23, Switzerland_29,
 SydNat_23, Syra333_21, TBond007_21, TCLif_21, TM4_18, TPA4_18, TWAMP_22,
 Tachez_22, Taheera_17, Tailonex_23, TaiwanKao_23, Takoda_22, Tangent_34,
 Tangerine_33, Taotie_16, Taquito_21, Tardus_35, Tarynearal_22, Tarzan_17,
 Teejan_18, Terror_17, Theia_21, Thing3_33, Thyatira_20, Tiamoceli_32, Tierra_21,
 Tiger_23, Tigress9_22, TillyBobJoe_30, TinaBug_17, TingHuaYa_22, TiniBug_22,
 Tiri_22, Toast_18, Togo_30, TomBrady_17, Toniann_47, Topper_22, Torres_18,
 TouchMeNot_18, Towmatter_27, TpudiCK_28, TreyKay_22, TribbleTrouble_20,
 Trice_18, Trine_17, TruffulaTree_22, Twigg_23, Twister6_32, Twitch_22, Twonlo_29,
 TyDawg_27, Tycho_33, Typha_23, Ubuntu_21, UhSalsa_22, UmaThurman_18,
 Unicorn_21, UnionJack_23, Upyo_17, Urkel_22, Utz_18, Valary_33, Validus_22,
 VanDeWege_33, VanLee_19, Veliki_22, Verity_33, ViaConlectus_34, Vivi2_36,
 ViviJ_19, Vordorf_21, WST1_16, Waits_29, Walrus_19, Warrior24_29, Waterfoul_20,
 Webster2_21, Weirido19_18, Wendigo_17, Whack_17, WheatThin_21, Whitty_18,
 Widow_17, WilliamBoone_47, William_18, Wintermute_23, Wishmaker_21, Wisp_17,
 Wizard_30, Wocket_19, Wrigley_19, Ximenita_22, Y10_23, Y2_23, YangYin_17,
 Yarn_16, YasnayaPolyana_23, Yogi_22, Yoncess_22, YorkOnyx_34,
 YoureAdopted_21, Yuna_22, YungMoney_32, Yunkel11_22, Yvonnetastic_44,
 Zabiza_22, Zarbodnamra_18, Zavala_22, ZenTime222_18, ZiggyZoo_17, Zilla_18,
 Zipp_33, Zitch_35, ZoMa_17, Zodiariah_17, ZoeJ_18, Zolita_22, Zombie_17,

Summary by start number:

Start 15:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1051

- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_16 (AJ), WST1_16 (AJ),

Start 17:

- Found in 4 of 1211 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 50.0% of time when present
- Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 23:

- Found in 1 of 1211 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 24:

- Found in 1 of 1211 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_20 (K7),

Start 25:

- Found in 265 of 1211 (21.9%) of genes in pham
- Manual Annotations of this start: 231 of 1051
- Called 98.9% of time when present
- Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AizenPogi_17 (G1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Anna_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Applecrisp_20 (K6), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), AzulaCat_17 (G1), BEEST_22 (K1), BGlluviae_22 (K1), BPs_17 (G1), BQuat_17 (G1), BaghaKamala_22 (K1), Barkley26_17 (G1), BarrelRoll_22 (K1), Beezoo_22 (K1), Bella96_22 (K1), Belladonna_22 (K1), Bern_22 (K1), Binglebops_18 (K1), Blizzard_22 (K1), Bobquesha_24 (K4), Boiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), CallaLilly_22 (K1), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), Chavito_22 (K1), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Clipper_22 (K1), Cloudyecho_17 (G3), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAIII_0017 (G1), Dalmuri_22 (K1), DanSyl44_24 (K4), Darionha_17 (G1), DartGoblin_22 (K1), DarthP_21 (K6), Dartin_22 (K1), Deby_22 (K1), Devera_22 (K1), DingDing_17 (G1), Dole_22 (K1), DrHayes_22 (K1), Durfee_22 (K1), ECartman_17 (G1), Efra2_22 (K1), Ekdilam_19 (K6), Ellie_19 (K6), Emerson_22 (K1), Enkosi_18 (K1), Eponine_23 (K4), Fefferhead_21 (K6), Fionnbharth_23 (K4), Frosty24_17 (G1), Ganymede_23 (K1), Geraldini_22 (K1), Gideon_17 (G1), GodSpeed_18 (G2), GoldenAsh_17 (G1), Gomashi_17 (G1), Grizzly_17 (G1), Guanica15_22 (K1), Halo_17 (G1), Hammy_21 (K6), HedwigODU_22 (K1), Homura_22 (K1), Hope_17 (G1), Hotshotbaby7_17 (G1), Hurricane_21 (K3), Hyperbowlee_22 (K1), Illumine_22 (K1), Inky_22 (K1), JAWS_22 (K1), JF1_23 (K4), Jane_17 (G1), Jarvi_22 (K1), Jayhawk_22 (K1), Jeckyll_22 (K1), Jeilious_17 (G), Jolene_17 (G1), Jolie2_17 (G4), Jonghyun_17 (G1), JorRay_17 (G1), Joy99_22 (K1), Juliette_23 (K4), Kareem_17 (G1), Kasen3_17 (G1), Keshu_21 (K3), KiSi_21 (K1), Kraw_23 (K4), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1),

Lavahound_20 (K6), LeMond_21 (K1), Lea83_21 (K3), Lebo14_23 (K4), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MZKinsey_17 (G1), MacKat_22 (K1), MacnCheese_22 (K3), Maliketh_17 (G1), Malthus_24 (K4), MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), McMater_22 (K1), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_22 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Neoh_17 (G), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), November_20 (K6), Nutello_18 (K1), OctaviousRex_17 (G1), Olga_17 (G1), OmniCritical_23 (K4), Oscar_21 (K1), Padfoot_22 (K1), Padpat_22 (K1), Paito_17 (G1), Patt_23 (K4), Peanam_22 (K1), Peeb_17 (G1), Peel_22 (K1), Periodt_17 (G1), Pharb_21 (K3), PhelpsODU_21 (K6), Phish_17 (G1), Phloodle_17 (G1), Phrank_21 (K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pisa1_21 (K1), Pisa4_21 (K1), Pixie_21 (K3), Plagueis_17 (G1), Pokerus_21 (K1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Rattrick_17 (G1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Richarlison_17 (G1), Richo_22 (K1), Rosmarinus_22 (K1), Ruriko_17 (G1), Ruthiejr_22 (K4), SamScheppers_21 (K4), SamuelLPlaqson_22 (K1), Scarlett_21 (K1), Schiebel_17 (G1), SgtBeansprout_18 (K1), ShaboiShabazz_17 (G1), Shadow1_20 (K6), Shaobing_22 (K1), ShedlockHolmes_21 (K3), ShiaSurprise_22 (K1), SirPhilip_21 (K6), Sizemore_17 (G1), Slarp_23 (K4), Slimphazie_22 (K1), Sneeze_17 (G1), Spock_22 (K1), Stargaze_17 (G5), Stinson_22 (K1), Sulley_22 (K1), Sunflower1121_20 (K6), Sweets_17 (G1), Syra333_21 (K6), TBond007_21 (K3), TCLif_21 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Teejan_18 (K1), Terror_17 (G1), Tierra_21 (K6), Tigress9_22 (K6), TinaBug_17 (G1), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), TribbleTrouble_20 (K3), Trice_18 (K1), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wendigo_17 (G1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YangYin_17 (G5), YasnayaPolyana_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_22 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 26:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 27:

- Found in 11 of 1211 (0.9%) of genes in pham
- Manual Annotations of this start: 11 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_18 (K2), DismalFunk_18 (K2), DismalStressor_18 (K2), Doughnut_18 (K2), Findley_18 (K2), Marcoliusprime_18 (K2), Milly_18 (K2), Mufasa_18 (K2), Strobilo_18 (K2), TM4_18 (K2), ZoeJ_18 (K2),

Start 29:

- Found in 28 of 1211 (2.3%) of genes in pham
- Manual Annotations of this start: 23 of 1051
- Called 96.4% of time when present

- Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), BananenDer11_20 (K5), Collard_20 (K5), Dadosky_20 (K5), DoubleChamp_20 (K5), Edugator_19 (K5), Feyre_20 (K5), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), LilDirt_19 (K5), Miryou_20 (K5), Neighly_20 (K3), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Thyatira_20 (K5), ViviJ_19 (K5), Waterfoul_20 (K5),

Start 30:

- Found in 8 of 1211 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), LongHai_21 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB), Salvus_21 (AB),

Start 31:

- Found in 35 of 1211 (2.9%) of genes in pham
- No Manual Annotations of this start.
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Qhanda_24 (K4),

Start 34:

- Found in 1 of 1211 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_21 (AG),

Start 36:

- Found in 10 of 1211 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 20.0% of time when present
- Phage (with cluster) where this start called: P3MA_17 (singleton), TPA4_18 (singleton),

Start 38:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 41:

- Found in 9 of 1211 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 1051
- Called 77.8% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Faiyaz_23 (Y), Hilltopfarm_23 (Y), MalagasyRose_23 (AG), Typha_23 (Y),

Start 44:

- Found in 1 of 1211 (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: Sprinklemunch_17 (DW),

Start 45:

- Found in 30 of 1211 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 6.7% of time when present
- Phage (with cluster) where this start called: JustASigh_17 (AH), Weirido19_18 (AH),

Start 46:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_25 (Z), Rem711_24 (Z),

Start 47:

- Found in 1 of 1211 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_17 (singleton),

Start 49:

- Found in 26 of 1211 (2.1%) of genes in pham
- Manual Annotations of this start: 23 of 1051
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Amochick_21 (Q), Amymech_21 (Q), BloominB_21 (Q), Daegal_22 (Q), DeepSoil15_21 (Q), Dewey_21 (Q), Ein37_21 (Q), Evanesce_21 (Q), Forge_21 (Q), Gancho_20 (Q), Giles_21 (Q), Gravallia_21 (Q), HH92_21 (Q), Hadrien_21 (Q), Hail_21 (Q), Kinbote_21 (Q), LilHazelNut_21 (Q), Luke_21 (Q), Luna22_21 (Q), NovoPizza_18 (Q), OBUpide_21 (Q), Ubuntu_21 (Q), Webster2_21 (Q), Wishmaker_21 (Q),

Start 50:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zodiariah_17 (DW),

Start 52:

- Found in 25 of 1211 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_29 (DE5),

Start 53:

- Found in 21 of 1211 (1.7%) of genes in pham
- Manual Annotations of this start: 20 of 1051
- Called 95.2% of time when present
- Phage (with cluster) where this start called: ArchiDore_18 (DW), Ayotoya_21 (DI), BetterKatz_21 (DI), Bock_21 (DI), Brylie_21 (DI), Chop_21 (DI), DelRio_22 (DI), DumpsterDude_18 (DW), Francois_21 (DI), GodonK_88 (DK), GrandSlam_21 (DI), Hamood_21 (DI), Mulch_21 (DI), Nadeem_21 (DI), NancyRae_21 (DI), Parada_21 (DI), Phendrix_86 (DK), Pimento_22 (DI), Ruthy_18 (DW), WheatThin_21 (DI),

Start 54:

- Found in 2 of 1211 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MakCheese_19 (DW),

Start 56:

- Found in 3 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_46 (DD), Yvonnestic_44 (DD),

Start 59:

- Found in 32 of 1211 (2.6%) of genes in pham
- Manual Annotations of this start: 25 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_35 (DE4), Abblin_34 (DE4), Ali17_30 (DE2), Belphegor_32 (DE2), BigHunkinEater_36 (DE4), Chickadee_31 (DE3), Delrey21_33 (DE4), Dextert_32 (DE3), DoctorFroggo_33 (DE4), EMoore_30 (DE2), EdmundFerry_30 (DE3), GMA2_29 (DS), GTE6_31 (DE3), Hans_34 (DE2), Inspectinfecti_33 (DE2), Kwekel_31 (DE3), Leonard_32 (DE2), MelBins_33 (DE2), Natkenzie_34 (DE4), Phauci_25 (DE2), Phinally_32 (DE2), Pumpkiney_35 (DE4), RoadKill_29 (DE3), Sampson_34 (DE4), Scioto_34 (DE4), Tardus_35 (DE4), Tiamoceli_32 (DE3), Twonlo_29 (DE3), Verity_33 (DE4), ViaConlectus_34 (DE4), Zipp_33 (DE4), Zitch_35 (DE4),

Start 60:

- Found in 16 of 1211 (1.3%) of genes in pham
- Manual Annotations of this start: 10 of 1051
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Bantam_29 (DL), Culver_47 (CQ1), Daredevil_28 (DL), DatBoi_30 (DL), Mollymur_30 (DL), Norvs_48 (CQ1), Smoothie_48 (CQ1), SpeedDemon_310 (DL), Towmatter_27 (DL), WilliamBoone_47 (CQ1),

Start 61:

- Found in 3 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Nyceirae_22 (DT),

Start 62:

- Found in 1 of 1211 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneUp_41 (CQ2),

Start 63:

- Found in 39 of 1211 (3.2%) of genes in pham
- Manual Annotations of this start: 10 of 1051
- Called 35.9% of time when present

- Phage (with cluster) where this start called: BabyMoney_20 (DT), Barco_18 (CV), CheeseSpider_21 (CV), Dogfish_20 (DT), Ewald_21 (DT), Guacamole_18 (CV), Lysidious_19 (CV), Manilisa_22 (DT), Melba_18 (CV), Meyran_20 (DT), Phishy_21 (DT), Pipp_18 (CV), Vordorf_21 (DT), Zarbodnamra_18 (CV),

Start 64:

- Found in 17 of 1211 (1.4%) of genes in pham
- Manual Annotations of this start: 12 of 1051
- Called 76.5% of time when present
- Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_46 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Miskis_45 (CQ1), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 65:

- Found in 16 of 1211 (1.3%) of genes in pham
- Manual Annotations of this start: 14 of 1051
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Azula_20 (CV), Blueberry_20 (CV), Fairfaxidum_18 (CV), Fenry_17 (CV), Gambino_20 (CV), Jalammah_20 (CV), JuJu_18 (CV), MissRona_20 (CV), Murp_18 (CV), PCoral7_18 (CV), PrincePatrick_18 (CV), Samba_18 (CV), Toast_18 (CV), William_18 (CV),

Start 67:

- Found in 3 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sapo_15 (DA),

Start 68:

- Found in 40 of 1211 (3.3%) of genes in pham
- Manual Annotations of this start: 23 of 1051
- Called 57.5% of time when present
- Phage (with cluster) where this start called: Archis_19 (CV), Begonia_19 (CV), BlingBling_18 (CV), Blino_18 (CV), CaptainKirk2_18 (CV), CarolAnn_18 (CV), Delian_18 (CV), Frizzle_15 (DA), Ghobes_15 (DA), Hitter_18 (CV), JasperJr_18 (CV), KappaFarmDelta_18 (CV), Malachai_19 (CV), Mellie_17 (CV), MintFen_18 (CV), Obliviate_17 (CV), Petra_20 (CV), PhrostedPhlake_19 (CV), UmaThurman_18 (CV), Utz_18 (CV), Walrus_19 (CV), Wocket_19 (CV), ZiggyZoo_17 (CV),

Start 70:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_15 (AF), Sparky_15 (AF),

Start 72:

- Found in 6 of 1211 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 1051
- Called 83.3% of time when present
- Phage (with cluster) where this start called: BlueNGold_99 (DS), Boopy_100 (DS), Forza_100 (DS), Mareelih_98 (DS), Sixama_98 (DS),

Start 75:

- Found in 55 of 1211 (4.5%) of genes in pham
- Manual Annotations of this start: 54 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Affeca_32 (DE1), Ailee_32 (DE1), Angelicage_32 (DE1), Archimedes_15 (DA), Ashertheman_34 (DE1), Baddon_33 (DE1), Barsten_34 (DE1), Baumdotcom_33 (DE1), Bibwit_33 (DE1), Bizzy_34 (DE1), BobBob_31 (DE1), Brandonk123_35 (DE1), ChadMasterC_34 (DE1), Charming_34 (DE1), Derg_29 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (DE1), FuegoCuervo_36 (DE1), Gaea_33 (DE1), Galadriel_34 (DE1), Geodirt_31 (DE1), Gustavo_33 (DE1), JKSyngboy_31 (DE1), Jabberwocky_32 (DE1), Kamashten_33 (DE1), Keitabear_34 (DE1), Kewpiedoll_33 (DE1), Kroos_34 (DE1), Kwobi_35 (DE1), Lennon_34 (DE1), LilHam_31 (DE1), Love_37 (DE1), McCrothy_34 (DE1), McKinley_36 (DE1), MoontowerMania_33 (DE1), Nordenberg_28 (DE1), Paries_36 (DE1), Ribeye_34 (DE1), RiverRaider_34 (DE1), Rofo_34 (DE1), Sanjuju_32 (DE1), Saronaya_33 (DE1), SchottB_32 (DE1), Sedona_34 (DE1), Shivanishola_35 (DE1), Sitar_34 (DE1), StorminNorm_33 (DE1), Stultus_32 (DE1), Tangent_34 (DE1), Tangerine_33 (DE1), Thing3_33 (DE1), Tycho_33 (DE1), Vivi2_36 (DE1), YorkOnyx_34 (DE1),

Start 78:

- Found in 20 of 1211 (1.7%) of genes in pham
- Manual Annotations of this start: 9 of 1051
- Called 45.0% of time when present
- Phage (with cluster) where this start called: Acquire49_17 (L1), Appletree2_17 (L1), Calm_17 (L1), CicholasNage_17 (L1), JoeDirt_17 (L1), LeBron_17 (L1), UPIE_17 (L1), Wyatt2_17 (L1), Zaria_17 (L1),

Start 79:

- Found in 35 of 1211 (2.9%) of genes in pham
- Manual Annotations of this start: 33 of 1051
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), CherryCola_33 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), CoveyB_32 (DC1), Danyall_32 (DC1), Egi03_30 (DC1), Evamon_30 (DC1), Fireball_31 (DC1), Fugax_32 (DC1), Gezellig_30 (DC1), Halo3_31 (DC1), Jambalaya_30 (DC1), KimmyK_32 (DC1), Mutzi_32 (DC1), Nubi_30 (DC1), Phlop_30 (DC1), PinkCoffee_32 (DC1), Portcullis_30 (DC1), PullumCavea_30 (DC1), RogerDodger_33 (DC1), Salvador_30 (DC1), Savbucketdawg_30 (DC1), Shinji_30 (DC1), SmokingBunny_30 (DC1), TillyBobJoe_30 (DC1), Togo_30 (DC1), Twister6_32 (DC1), Valary_33 (DC1), VanDeWege_33 (DC1), Wizard_30 (DC1), YungMoney_32 (DC1),

Start 80:

- Found in 4 of 1211 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Rabbitrun_29 (DU2),

Start 81:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Kumao_27 (singleton),

Start 83:

- Found in 31 of 1211 (2.6%) of genes in pham
- Manual Annotations of this start: 11 of 1051
- Called 45.2% of time when present
- Phage (with cluster) where this start called: Bernal13_18 (T), Colleen_18 (EO), Frokostdame_18 (CV), Ibrahim_18 (T), Mendokysei_17 (T), Nairb_18 (T), Nette_18 (T), Poushou_18 (EO), RonRayGun_18 (T), TouchMeNot_18 (EO), Whitty_18 (T), Wisp_17 (CV), ZenTime222_18 (T), Zilla_18 (CV),

Start 84:

- Found in 1 of 1211 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reindeer_25 (M1),

Start 85:

- Found in 13 of 1211 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Arianna_18 (EO),

Start 86:

- Found in 26 of 1211 (2.1%) of genes in pham
- Manual Annotations of this start: 21 of 1051
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Auspice_27 (M1), Aziz_31 (M2), Bongo_27 (M1), Bricole_27 (M1), Diminimus_28 (M1), Dulcita_28 (M1), Estes_32 (M2), FreakyGoo_28 (M1), GardenSalsa_31 (M2), GenevaB15_31 (M2), Glaske16_28 (M1), IPhane7_27 (M1), Izel_28 (M1), KleverKiS_27 (M1), LilhomieP_26 (M1), MrMagoo_31 (M2), Nanosmite_31 (M3), PegLeg_27 (M1), Rey_31 (M2), RoseMarie_27 (M1), Skinny_28 (M1), SlimJimmy_26 (M1), TpuDiCK_28 (M1), TyDawg_27 (M1),

Start 87:

- Found in 32 of 1211 (2.6%) of genes in pham
- Manual Annotations of this start: 2 of 1051
- Called 9.4% of time when present
- Phage (with cluster) where this start called: MicyPS_16 (EQ), PSonyx_16 (EQ), Taotie_16 (EQ),

Start 89:

- Found in 9 of 1211 (0.7%) of genes in pham
- Manual Annotations of this start: 7 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_18 (DZ), Cafasso_18 (DZ), Colossa_19 (KA), ModicumRichard_18 (DZ), Morgana_18 (DZ), ObLaDi_18 (DZ), PP_36 (A7), Sunhee_25 (A14), VanLee_19 (KA),

Start 90:

- Found in 27 of 1211 (2.2%) of genes in pham
- Manual Annotations of this start: 26 of 1051

- Called 96.3% of time when present
- Phage (with cluster) where this start called: Angelique_19 (CY1), BearBQ_18 (DN), BeeGee_19 (CY5), Birdsong_18 (DN), Bradissa_19 (CY1), BritBrat_19 (CY2), Cashline_19 (CY6), Confidence_19 (CY1), EMSquaredA_19 (CY1), Ecliptus_23 (DN), EnalisNailo_19 (CY1), Floral_19 (CY1), Jablanski_19 (CY3), Kuwabara_18 (DN4), Lilas_19 (CY1), LonelyBoi_19 (CY7), Lucky10_17 (DH), Marteena_19 (CY1), Morkie_17 (DH), MortyNRick_18 (DN), ODay_23 (DN), PhorbesPhlower_17 (DH), Pollux_19 (CY1), Posh_19 (CY4), Pytheas_19 (CY3), Wrigley_19 (CY4),

Start 91:

- Found in 2 of 1211 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LoneWolf_28 (A9), REQ2_19 (singleton),

Start 92:

- Found in 398 of 1211 (32.9%) of genes in pham
- Manual Annotations of this start: 316 of 1051
- Called 97.0% of time when present
- Phage (with cluster) where this start called: 20ES_27 (A2), 40AC_30 (A17), AN3_27 (A2), AN9_30 (A2), ANI8_30 (A2), AbbyPaige_29 (A2), Acolyte_27 (A2), Adzzy_28 (A2), Aegeus_17 (L5), Agape74_29 (A2), Aliter_28 (A9), Alma_28 (A9), Aneem_27 (A11), AnnaL29_30 (A2), Anselm_27 (A2), Anthony_26 (A20), ArcherNM_29 (A2), Archie_17 (L2), Arissanae_26 (A9), Artemis2UCLA_30 (A6), AvadaKedavra_17 (L1), Ayanochan_29 (A9), BABullseye_30 (A6), BabyBack_29 (A2), Bachome_27 (A11), Bactobuster_28 (A2), Baehexic_28 (A2), Baoshan_16 (L2), Baudelaire_17 (L5), Bazzle_17 (L2), Beelzebub_53 (S), Beemo_28 (A9), Bellis_18 (L3), Bellris_25 (A9), BengiVuitton_28 (A2), BennyP_30 (A6), Benvolio_27 (A2), BiancaTri92_29 (A2), BigCheese_17 (L2), Blackbeetle_49 (S), BlessJoy_30 (A6), Blinn1_30 (A6), Blue7_30 (A6), BobSwaget_30 (A2), BobsGarage_17 (L2), BogosyJay_28 (A9), BourbonZero_17 (L3), Bowtie_27 (A11), Bradman_26 (A2), BrainDrainer_18 (L4), Breezona_17 (L2), Bromden_18 (L4), Bud_27 (A11), Bugsy_29 (A2), C3_25 (A2), CRB1_27 (A2), Candra_30 (A6), Caprice_46 (S), Caraxes_26 (A2), Catalina_28 (A9), Celestiallunch_27 (A9), Centaur_29 (A2), Changeling_29 (A2), Chargerpower_27 (A22), Charm_27 (A9), Chartreuse_30 (A6), Chaser_17 (L4), Che12_29 (A2), ChipMunk_29 (A2), Clarkson_50 (S), Claus_17 (L2), Clautastrophe_18 (L3), CloudWang3_30 (A6), CogOmlette_25 (A9), Colin_31 (A2), Conquerage_28 (A9), Cookiedough_30 (A6), Corazon_47 (S), Crossroads_17 (L2), Crucio_27 (A2), D29_27 (A2), D32_30 (A2), DBQu4n_30 (A2), DHan_17 (L2), DaVinci_30 (A6), Dalmatian_27 (A2), DanBing_16 (L2), Darrell_29 (A9), DarthPhader_28 (A12), DeerParkTS_28 (A2), Deloris_28 (A2), DelvinSonDorr_29 (A6), Dignity_29 (A2), DirkDirk_17 (L1), Dorothea_30 (A6), Douge_17 (L4), Douzhi_17 (L4), DrSeegs_17 (L2), Drake55_29 (A2), DreamTeam1_27 (A9), DudeLittle_27 (A2), DuncansLeg_18 (L3), Duplo_30 (A2), DyoEdafos_18 (L4), EZMoney23_31 (A2), EagleEye_29 (A16), Ebony_27 (A11), Echild_27 (A2), EdogawaKiddo_26 (A9), Eidsmoe_28 (A9), Elephantoon_28 (A9), Ellson_18 (L3), EmyBug_28 (A9), Enceladus_17 (L1), Equemioh13_29 (A2), EricB_30 (A6), Et2Brutus_26 (A11), EvilGenius_29 (A2), ExplosioNervosa_28 (A9), Faith1_17 (L2), Fameo_27 (A2), FarmResident_17 (L4), FatCactus_25 (A20), Fayely_28 (A9), FeliMaine_51 (S), Fibonacci_27 (A11), Finemlucis_17 (L2), Finnry_18 (L3), FiringLine_27 (A2), First_0027 (A2), Flare16_27 (A2), Flaverint_27 (A11), ForesterFrank_28 (A2), Gabriela_17 (L2), Gail_26 (A14), Garak_31 (A6), Gardann_17 (L2), Gattaca_48 (S), GaugeLDP_29 (A2), Georgie2_28 (A2),

Gilberta_27 (A11), Gladiator_30 (A6), GoongGoong_48 (S), Gratitude_28 (A2), GreedyLawyer_30 (A6), Gruunaga_30 (A6), GuuelaD_17 (L2), Hafay_17 (L2), Halena_17 (L1), Hammer_30 (A6), Hanray_27 (A9), HarryHoudini_29 (A2), Heffalump_29 (A2), Helmet_30 (A6), Herbertwm_24 (A2), Hexamo_30 (A6), HippoHollow_28 (A2), Horex_27 (A9), Hoot_30 (A6), HortumSL17_28 (A9), Huphlepuuff_51 (S), Hutc2_27 (A11), Indra_30 (A6), Insomnia_27 (A11), IronMan_29 (A2), Isiphiwo_30 (A6), Itos_17 (L2), Iwokeuplikedis_28 (A2), Jaan_30 (A2), Jabith_27 (A11), Jeeves_26 (A14), Jeffabunny_30 (A6), Jerm_29 (A2), JewelBug_30 (A6), Jiawan_27 (A9), Jobypre_18 (L3), JoieB_50 (S), Jordennis_30 (A6), Joselito_27 (A11), JoshKayV_29 (A2), Journey13_25 (A2), Jsquared_26 (A2), Jubie_18 (L3), Kahlid_17 (L2), Kalpine_30 (A2), Kazan_30 (A6), Kerberos_30 (A2), Keziacharles14_26 (A9), Kimba_27 (A11), KingCyrus_29 (A2), Kingsolomon_18 (L3), Kinmap_27 (A21), Kipper29_30 (A6), KirDoubleO7_16 (L3), Klodlith_27 (A9), Koduck_28 (A2), Koko_30 (A6), Kropertea_17 (L4), Krypton555_18 (L3), Kudrefre_26 (DU1), L5_27 (A2), LadyBird_27 (A2), Landor_28 (A2), Larenn_28 (A2), Leogania_29 (A2), Leviathan_29 (A2), Lewan_17 (L2), LilDestine_17 (L2), LilJank_27 (DU2), LilTurb_29 (A2), Lilbit_48 (S), Lilbunny_30 (A6), Lilleskat_26 (A9), LionsBait_28 (A2), LittleLaf_49 (S), LiyuLake_18 (L3), Loadrie_17 (L2), Lokk_30 (A2), Lolly9_18 (L3), Loser_30 (A2), Luchador_28 (A14), Lucivia_27 (A11), Lucyedi_28 (A16), Lumos_18 (L3), Lynnae_17 (L2), Mäckerman_17 (L1), MaCh_27 (A11), Mabel_27 (A11), MajorMajor_26 (A2), Malec_28 (A2), Maminiaina_28 (A9), Marvin_47 (S), McFly_30 (A6), MegTheThird_26 (A9), MiculUcigas_27 (A2), Miko_30 (A2), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), Minispark_25 (A9), MissWhite_27 (A2), MkaliMitinis3_17 (L2), Moostard_18 (L3), MosMoris_47 (S), MsGreen_18 (L3), Mulciber_27 (A11), Munch_27 (A11), Myxus_28 (A9), NaSiaTalie_27 (A2), Naji_30 (A2), Neeharika16_30 (A6), Netyap_17 (L2), Neville_27 (DU2), Newrala_30 (A6), Nicholas_18 (L3), Nicholasp3_17 (L2), NicoleTera_31 (A2), NothingSpecial_29 (A2), Octobien14_27 (DU1), Odin_26 (A2), OhShagHennessy_17 (L1), Onglai_27 (A9), Orange_27 (A11), OverPar_17 (L2), PYPDinur_17 (L4), PackMan_28 (A9), PainterBoy_28 (A16), Petersenfast_26 (A11), Ph8s_28 (A2), Phaded_30 (A2), Phaeder_28 (A9), Pharaoh_27 (A12), Phlei_22 (A13), Phonnegut_28 (A9), Pioneer_28 (A9), Piro94_28 (A2), Pmask_30 (A6), Poise_49 (S), Polyphemus_30 (A6), Pomar16_30 (A2), Poochiewood_17 (L1), Power_27 (A2), Priamo_30 (A6), Pringar_49 (S), Priya_28 (A9), Prudy_29 (A2), Pukovnik_29 (A2), Qobbit_28 (A9), Quby_17 (L4), QueenB2_27 (A2), QueenBeesly_27 (A2), Quokka_25 (A2), Rachaly_30 (A2), Raela_49 (S), Rahalelujah_26 (A9), Red305_18 (L3), RedRaider77_49 (S), RedRock_30 (A2), Refuge_30 (A12), Retro23_27 (A2), Rifter_30 (A6), Roksolana_30 (A6), Rose5_17 (L1), Rossetti_17 (L2), Rumpelstiltskin_17 (L2), RyeScarlet_29 (A9), Sachima_26 (A9), Salz_27 (A11), Samty_18 (L3), Sarshaun_17 (L2), Saskia_26 (A11), Scherzo_28 (A9), SemperFi_29 (A2), Sephiroth_27 (DU1), Serenity_26 (A2), Sham4_27 (A11), Sheakeira_27 (A9), Silverleaf_17 (L1), Sknot_27 (A2), Smeagan_29 (A2), SmellyB_30 (A6), SnapTap_27 (A2), Snape_27 (A11), Snenia_18 (L3), SoJulia_17 (L2), Soap141_17 (L2), SororFago_26 (A14), Spouty_28 (A9), StarStuff_30 (A2), Steamy_28 (A12), SuperAwesome_30 (A6), SuperCallie99_30 (A6), Superchunk_26 (A2), SweetiePie_27 (A2), SwirlSquare_28 (A2), Syleon_27 (DU1), TarsusIV_27 (A2), Temprado_30 (A6), Terrific_31 (A2), Tesla_48 (S), Timothy_27 (A11), TinyTimmy_27 (A11), TipsytheTRex_26 (A2), Toaka_26 (A9), Tomathan_30 (A2), ToneTone_28 (A6), Tourach_17 (L2), Travvers_30 (A2), Trax_27 (DU2), TriFive_18 (L3), Tristan_28 (A2), Trixie_30 (A2), Trooper_27 (A2), Tubs_28 (A9), Tucker_30 (A6), Turbido_29 (A2), Tyson_17 (L1), Ugenie5_25 (A9), Underpass_17 (L2), Updawg_29 (A2), VA6_27 (A2), VC3_30 (A2), Vanisoa_26 (A9), VasuNzinga_49 (S), Vetrix_17 (L2), VohminGhazi_30 (A6), Wamburggrxpress_17 (L1), WeiHuaDA_33 (A2),

Whabigail7_29 (A2), Whirlwind_19 (L3), WideWale_29 (A2), Wigglewiggle_17 (L2), Wiks_30 (A6), Wilder_17 (L2), Winky_17 (L2), Wolpertinger_26 (A11), WorldCup_25 (A9), WunderPhul_30 (A6), XianYue_27 (A2), Yecey3_27 (A9), Yokurt_30 (A6), Zaka_30 (A6), Zakai_17 (L2), ZhongYanYuan_16 (L2), Zimmer_29 (A12), Zulu_30 (A6),

Start 94:

- Found in 25 of 1211 (2.1%) of genes in pham
- Manual Annotations of this start: 18 of 1051
- Called 76.0% of time when present
- Phage (with cluster) where this start called: Amok_16 (CT), AndPeggy_16 (CT), Applejacks_17 (CD), DonkeyMan_17 (DY), Gustav_17 (CD), Heinz_17 (DY), Hibiscus_17 (DY), Jojo24_17 (DY), Mahdia_17 (CD), Malibo_19 (DW), Morrissey_18 (CD), Puppies_17 (CD), Reyja_18 (DY), Santhid_17 (DY), Tarzan_17 (DY), Trine_17 (CD), Upyo_17 (CD), Widow_17 (CD), Yarn_16 (CT),

Start 95:

- Found in 5 of 1211 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1051
- Called 60.0% of time when present
- Phage (with cluster) where this start called: EmiRose_16 (singleton), Nedarya_28 (A15), REQ3_49 (singleton),

Start 96:

- Found in 26 of 1211 (2.1%) of genes in pham
- Manual Annotations of this start: 22 of 1051
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Anaysia_29 (A15), Anon_27 (A15), Battleship_30 (A15), Boohoo_29 (A15), DekHockey33_29 (A15), Elle_27 (A15), Epsocamisio_29 (A15), JSwag_29 (A15), KatherineG_29 (A15), LastResort_29 (A15), Looper_30 (A15), MinecraftSteve_30 (A15), Nebulosus_29 (A15), Oofda_29 (A15), Ravana_30 (A15), ReMo_29 (A15), Remus_29 (A15), Rosalind_29 (A15), ShayRa_30 (A15), Soups_29 (A15), Strosahl_29 (A15), Switzerland_29 (A15), Waits_29 (A15), Warrior24_29 (A15),

Start 98:

- Found in 93 of 1211 (7.7%) of genes in pham
- Manual Annotations of this start: 85 of 1051
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_23 (A5), Airmid_23 (A5), Alatin_22 (CA), Alpacados_21 (CA), AngryOrchard_21 (CA), AppleCloud_20 (CA), Aragog_23 (A5), Archetta_23 (A5), Astro_23 (A8), Belenaria_22 (CA), Benedict_23 (A5), Bluefalcon_22 (A5), BobbyDazzler_22 (CA), Bonamassa_23 (A5), Bonanza_22 (CA), Bradshaw_22 (CA), Bryce_22 (CA), Caitlin_22 (A8), Chadwick_24 (A5), Conspiracy_23 (A5), Coog_23 (A5), CosmicSans_22 (CA), Cuco_23 (A5), Danforth_22 (A8), Dinger_22 (CA), Discoknowium_23 (A5), Dixon_23 (A8), Dublin_22 (A5), ElTiger69_23 (A5), Erik_22 (CA), Espica_22 (CA), Expelliarmus_22 (A8), Florence1_23 (A5), Florence4_24 (A5), ForGetIt_23 (A5), George_22 (A5), Ghoulyboy_23 (A5), Gollum_22 (CA), Groundhog_22 (A8), Harlequin_22 (CA), Hiro_22 (CA), HuhtaEnerson15_23 (A5), Jabiru_23 (A5), Jester_22 (CA), Jovo_23 (A5), Krishelle_22 (CA), Lev2_23 (A5), Lillie_22 (CA), LittleCherry_23 (A5), MarysWell_22 (A5), Micasa_23 (A5), Midas2_23 (A5), Milcery_23 (A5), Naca_23 (A5), Naiad_22 (CA), Nancinator_22 (CA), Natosaleda_22 (CA), NearlyHeadless_23

(A8), Partridge_22 (CA), PetterN_24 (A5), PhailMary_21 (CA), Phillis_23 (A8), Phlorence_23 (A5), Phrankenstein_22 (CA), PickleBack_23 (A5), Prinashe11_24 (A5), RER2_15 (CA), RGL3_15 (CA), Rasputin_22 (CA), RexFury_22 (CA), Rhodalysa_22 (CA), Roary_23 (A8), Saintus_23 (A8), Scorpia_24 (A5), Shuman_22 (CA), Smeadley_23 (A8), StCroix_22 (CA), Stephig9_23 (A8), Swann_22 (CA), Swirley_23 (A5), SydNat_23 (A5), TWAMP_22 (CA), Tailonex_23 (singleton), Takoda_22 (CA), Tarynearal_22 (A5), Theia_21 (A5), Tiger_23 (A5), Twigg_23 (A5), UhSalsa_22 (CA), UnionJack_23 (A5), Yogi_22 (CA), Yoncess_22 (CA), Zolita_22 (A5),

Start 100:

- Found in 1 of 1211 (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: GAL1_19 (singleton),

Start 119:

- Found in 22 of 1211 (1.8%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: ChutneyChips_16 (L4),

Start 125:

- Found in 84 of 1211 (6.9%) of genes in pham
- No Manual Annotations of this start.
- Called 1.2% of time when present
- Phage (with cluster) where this start called: Sheng711_17 (L4),

Start 130:

- Found in 173 of 1211 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Stellammi_15 (UNK),

Start 180:

- Found in 144 of 1211 (11.9%) of genes in pham
- Manual Annotations of this start: 1 of 1051
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Whack_17 (singleton),

Summary by clusters:

There are 89 clusters represented in this pham: UNK, G5, G4, G3, G2, G1, CQ2, CQ1, KA, T, X, DC2, DC1, M1, M3, M2, AG, CY4, EO, G, S, EQ, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, DN4, DU1, DU2, CA, CD, Z, CV, CT, A20, A21, A22, DN, DL, DK, DH, DI, DD, DA, DZ, DY, DW, DT, DS, A15, A14, A17, A16, A11, A13, A12, A2, A5, A7, A6, A9, A8, CY3, CY2, CY1, AB, CY7, CY6, CY5, AF, AH, AJ, Q, L4, L5, L2, L3, L1, Y,

Info for manual annotations of cluster A11:

- Start number 92 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 92 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 92 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 95 was manually annotated 1 time for cluster A15.
- Start number 96 was manually annotated 22 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 92 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 92 was manually annotated 106 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 92 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 92 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A5:

- Start number 98 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 92 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 89 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 98 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 91 was manually annotated 1 time for cluster A9.
- Start number 92 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 30 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 70 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 34 was manually annotated 1 time for cluster AG.
- Start number 41 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:

- Start number 45 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AJ:

- Start number 15 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CA:

- Start number 98 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 94 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 60 was manually annotated 4 times for cluster CQ1.
- Start number 64 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 62 was manually annotated 1 time for cluster CQ2.
- Start number 64 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CT:

- Start number 94 was manually annotated 3 times for cluster CT.

Info for manual annotations of cluster CV:

- Start number 63 was manually annotated 6 times for cluster CV.
- Start number 65 was manually annotated 14 times for cluster CV.
- Start number 68 was manually annotated 21 times for cluster CV.
- Start number 83 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY1:

- Start number 90 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 90 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 90 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 90 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 90 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 90 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 90 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DA:

- Start number 67 was manually annotated 1 time for cluster DA.
- Start number 68 was manually annotated 2 times for cluster DA.
- Start number 75 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DC1:

- Start number 79 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 79 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 56 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 75 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 59 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 59 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 59 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 52 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 90 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 53 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 53 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 60 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 90 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN4:

- Start number 90 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DS:

- Start number 72 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 61 was manually annotated 1 time for cluster DT.
- Start number 63 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 92 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 80 was manually annotated 1 time for cluster DU2.

- Start number 92 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 50 was manually annotated 1 time for cluster DW.
- Start number 53 was manually annotated 3 times for cluster DW.
- Start number 94 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 94 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 89 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EO:

- Start number 83 was manually annotated 3 times for cluster EO.
- Start number 85 was manually annotated 1 time for cluster EO.

Info for manual annotations of cluster EQ:

- Start number 87 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster G1:

- Start number 25 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 17 was manually annotated 1 time for cluster G2.
- Start number 26 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 25 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 25 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 25 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 25 was manually annotated 108 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 27 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 25 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 25 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 29 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 25 was manually annotated 24 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 24 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 23 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster KA:

- Start number 89 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster L1:

- Start number 78 was manually annotated 9 times for cluster L1.
- Start number 92 was manually annotated 10 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 92 was manually annotated 31 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 92 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 92 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 92 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 84 was manually annotated 1 time for cluster M1.
- Start number 86 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 86 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 86 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster Q:

- Start number 49 was manually annotated 23 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 92 was manually annotated 19 times for cluster S.

Info for manual annotations of cluster T:

- Start number 83 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster X:

- Start number 38 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 41 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 46 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_27 Start: 19219, Stop: 20229, Start Num: 92

Candidate Starts for 20ES_27:

(Start: 92 @19219 has 316 MA's), (120, 19273), (138, 19312), (239, 19528), (287, 19594), (310, 19633), (312, 19636), (406, 19864), (426, 19897), (465, 19999), (472, 20020), (499, 20074), (504, 20086), (545, 20176),

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 46

Candidate Starts for 32HC_25:

(10, 17579), (Start: 41 @17867 has 6 MA's), (Start: 46 @17876 has 1 MA's), (66, 17915), (99, 17960), (189, 18167), (238, 18287), (311, 18401), (342, 18461), (444, 18668), (554, 18968),

Gene: 40AC_30 Start: 21412, Stop: 22422, Start Num: 92

Candidate Starts for 40AC_30:

(Start: 92 @21412 has 316 MA's), (129, 21487), (138, 21505), (151, 21541), (163, 21580), (260, 21757), (287, 21787), (310, 21826), (312, 21829), (380, 21985), (465, 22192), (499, 22267), (504, 22279), (545, 22369),

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 30

Candidate Starts for 8UZL_20:

(Start: 30 @14891 has 4 MA's), (Start: 36 @14939 has 1 MA's), (99, 15047), (104, 15056), (131, 15125), (137, 15137), (144, 15152), (205, 15299), (266, 15407), (316, 15482), (320, 15491), (338, 15527), (379, 15596), (398, 15638), (441, 15683), (446, 15692), (464, 15749), (509, 15854), (550, 15965),

Gene: AN3_27 Start: 19197, Stop: 20207, Start Num: 92

Candidate Starts for AN3_27:

(Start: 92 @19197 has 316 MA's), (120, 19251), (138, 19290), (163, 19365), (239, 19506), (287, 19572), (310, 19611), (312, 19614), (406, 19842), (459, 19962), (465, 19977), (499, 20052), (504, 20064), (512, 20088), (545, 20154),

Gene: AN9_30 Start: 19185, Stop: 20195, Start Num: 92

Candidate Starts for AN9_30:

(Start: 92 @19185 has 316 MA's), (120, 19239), (129, 19260), (138, 19278), (219, 19449), (287, 19560), (310, 19599), (312, 19602), (334, 19647), (368, 19737), (459, 19950), (465, 19965), (499, 20040), (504, 20052), (512, 20076), (545, 20142),

Gene: ANI8_30 Start: 19185, Stop: 20195, Start Num: 92

Candidate Starts for ANI8_30:

(Start: 92 @19185 has 316 MA's), (120, 19239), (129, 19260), (138, 19278), (219, 19449), (287, 19560), (310, 19599), (312, 19602), (334, 19647), (368, 19737), (459, 19950), (465, 19965), (499, 20040), (504, 20052), (512, 20076), (545, 20142),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 59

Candidate Starts for APunk_35:

(Start: 59 @29234 has 25 MA's), (129, 29357), (145, 29393), (191, 29495), (221, 29549), (263, 29621), (308, 29684), (314, 29693), (343, 29750), (366, 29783), (385, 29816), (386, 29819), (447, 29936),

(457, 29972), (468, 30005), (471, 30014), (483, 30035), (496, 30062), (507, 30092), (509, 30098), (521, 30131), (522, 30134), (546, 30188), (551, 30200),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 59

Candidate Starts for Abblin_34:

(Start: 59 @29777 has 25 MA's), (112, 29852), (118, 29864), (129, 29900), (145, 29936), (191, 30038), (221, 30092), (263, 30164), (308, 30227), (314, 30236), (343, 30293), (366, 30326), (385, 30359), (386, 30362), (416, 30419), (457, 30515), (468, 30548), (471, 30557), (483, 30578), (496, 30605), (503, 30626), (507, 30635), (509, 30641), (521, 30674), (522, 30677), (546, 30731), (551, 30743),

Gene: AbbyPaige_29 Start: 19684, Stop: 20700, Start Num: 92

Candidate Starts for AbbyPaige_29:

(Start: 92 @19684 has 316 MA's), (129, 19759), (138, 19777), (151, 19813), (163, 19852), (287, 20059), (310, 20098), (312, 20101), (355, 20188), (426, 20368), (465, 20470), (499, 20545), (504, 20557),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 64

Candidate Starts for Abscondus_46:

(Start: 60 @28434 has 10 MA's), (Start: 64 @28440 has 12 MA's), (102, 28488), (116, 28515), (144, 28587), (186, 28683), (251, 28791), (316, 28884), (329, 28908), (335, 28923), (398, 29019), (441, 29067), (515, 29247), (532, 29283),

Gene: Acolyte_27 Start: 19734, Stop: 20744, Start Num: 92

Candidate Starts for Acolyte_27:

(Start: 92 @19734 has 316 MA's), (138, 19827), (151, 19863), (163, 19902), (287, 20109), (310, 20148), (312, 20151), (334, 20196), (368, 20286), (406, 20379), (465, 20514), (499, 20589), (504, 20601), (512, 20625), (545, 20691),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 78

Candidate Starts for Acquire49_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 25

Candidate Starts for ActinUp_22:

(Start: 25 @16020 has 231 MA's), (57, 16137), (116, 16227), (124, 16248), (130, 16269), (143, 16296), (264, 16551), (317, 16632), (354, 16707), (362, 16722), (441, 16833), (455, 16875), (493, 16968), (501, 16992), (540, 17085), (552, 17124), (555, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 25

Candidate Starts for Adephagia_22:

(Start: 25 @16017 has 231 MA's), (57, 16134), (116, 16224), (124, 16245), (130, 16266), (143, 16293), (264, 16548), (317, 16629), (354, 16704), (362, 16719), (441, 16830), (455, 16872), (493, 16965), (501, 16989), (540, 17082), (552, 17121), (555, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 25

Candidate Starts for Adonis_22:

(Start: 25 @16023 has 231 MA's), (57, 16140), (116, 16230), (124, 16251), (130, 16272), (143, 16299), (264, 16554), (317, 16635), (354, 16710), (362, 16725), (441, 16836), (455, 16878), (493, 16971), (501, 16995), (540, 17088), (552, 17127), (555, 17145),

Gene: Adzzy_28 Start: 17912, Stop: 18922, Start Num: 92

Candidate Starts for Adzzy_28:

(Start: 92 @17912 has 316 MA's), (129, 17987), (138, 18005), (151, 18041), (287, 18287), (310, 18326), (312, 18329), (368, 18464), (406, 18557), (426, 18590), (472, 18713), (491, 18743), (504, 18779), (512, 18803),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 92

Candidate Starts for Aegeus_17:

(Start: 67 @15389 has 1 MA's), (76, 15404), (Start: 92 @15428 has 316 MA's), (107, 15452), (125, 15497), (129, 15512), (139, 15530), (170, 15608), (260, 15761), (263, 15770), (312, 15833), (389, 15944), (392, 15950), (394, 15956), (439, 15992), (450, 16019), (456, 16043), (462, 16061), (465, 16070), (466, 16073), (485, 16112), (497, 16139), (514, 16187), (525, 16208), (558, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 75

Candidate Starts for Affeca_32:

(Start: 75 @29693 has 54 MA's), (157, 29879), (160, 29891), (Start: 180 @29918 has 1 MA's), (279, 30089), (304, 30125), (325, 30158), (331, 30173), (338, 30185), (354, 30215), (361, 30221), (395, 30281), (438, 30371), (468, 30461), (478, 30485), (483, 30497), (509, 30563), (514, 30578), (523, 30602), (532, 30614),

Gene: Agape74_29 Start: 19660, Stop: 20676, Start Num: 92

Candidate Starts for Agape74_29:

(Start: 92 @19660 has 316 MA's), (129, 19735), (138, 19753), (151, 19789), (163, 19828), (287, 20035), (310, 20074), (312, 20077), (355, 20164), (426, 20344), (465, 20446), (499, 20521), (504, 20533),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 29

Candidate Starts for Agent47_20:

(Start: 29 @16419 has 23 MA's), (104, 16593), (129, 16659), (130, 16662), (143, 16689), (186, 16788), (231, 16890), (264, 16944), (287, 16974), (309, 17010), (310, 17013), (316, 17022), (353, 17097), (354, 17100), (379, 17136), (398, 17178), (423, 17196), (427, 17202), (441, 17226), (443, 17229), (455, 17268), (540, 17478), (552, 17517), (555, 17535),

Gene: AgentM_23 Start: 18724, Stop: 19737, Start Num: 98

Candidate Starts for AgentM_23:

(Start: 98 @18724 has 85 MA's), (138, 18820), (150, 18853), (151, 18856), (163, 18895), (189, 18943), (287, 19096), (297, 19114), (312, 19138), (333, 19180), (459, 19492), (504, 19594), (513, 19621), (545, 19684),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 25

Candidate Starts for Ageofdapage_22:

(Start: 25 @15951 has 231 MA's), (57, 16068), (124, 16179), (130, 16200), (143, 16227), (187, 16329), (264, 16482), (317, 16563), (354, 16638), (362, 16653), (441, 16764), (455, 16806), (493, 16899), (501, 16923), (540, 17016), (552, 17055), (555, 17073),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 75

Candidate Starts for Ailee_32:

(Start: 75 @30183 has 54 MA's), (157, 30369), (160, 30381), (Start: 180 @30408 has 1 MA's), (189, 30429), (223, 30489), (277, 30576), (279, 30579), (304, 30615), (325, 30648), (331, 30663), (338, 30675), (354, 30705), (361, 30711), (395, 30771), (438, 30861), (468, 30951), (478, 30975), (483, 30987), (509, 31053), (532, 31104),

Gene: Airmid_23 Start: 17965, Stop: 18978, Start Num: 98

Candidate Starts for Airmid_23:

(Start: 98 @17965 has 85 MA's), (138, 18061), (150, 18094), (151, 18097), (163, 18136), (239, 18271), (256, 18301), (279, 18331), (287, 18337), (297, 18355), (312, 18379), (333, 18421), (398, 18592), (504, 18835), (513, 18862), (545, 18925),

Gene: AizenPogi_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for AizenPogi_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Alatin_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Alatin_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 89

Candidate Starts for Aleemily_18:

(6, 15193), (Start: 89 @15646 has 7 MA's), (105, 15673), (119, 15706), (156, 15808), (167, 15835), (182, 15859), (239, 15961), (260, 15994), (278, 16024), (309, 16060), (312, 16066), (317, 16075), (372, 16153), (389, 16183), (392, 16189), (397, 16204), (460, 16309), (492, 16375), (532, 16474), (549, 16507), (556, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 59

Candidate Starts for Ali17_30:

(Start: 59 @27429 has 25 MA's), (129, 27552), (145, 27588), (168, 27648), (221, 27744), (293, 27855), (305, 27876), (366, 27978), (386, 28014), (481, 28230), (483, 28236), (491, 28251), (496, 28266), (509, 28302), (521, 28335), (522, 28338), (551, 28404),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 25

Candidate Starts for AlishaPH_22:

(Start: 25 @16010 has 231 MA's), (57, 16127), (116, 16217), (124, 16238), (130, 16259), (143, 16286), (264, 16541), (317, 16622), (354, 16697), (362, 16712), (441, 16823), (455, 16865), (493, 16958), (501, 16982), (540, 17075), (552, 17114), (555, 17132),

Gene: Aliter_28 Start: 20455, Stop: 21468, Start Num: 92

Candidate Starts for Aliter_28:

(Start: 92 @20455 has 316 MA's), (105, 20473), (129, 20530), (138, 20548), (151, 20584), (239, 20764), (260, 20800), (287, 20830), (312, 20872), (380, 21031), (445, 21175), (465, 21238), (499, 21313), (504, 21325), (512, 21349),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 29

Candidate Starts for AlleyCat_20:

(Start: 29 @16301 has 23 MA's), (104, 16475), (129, 16541), (143, 16571), (186, 16670), (231, 16772), (264, 16826), (287, 16856), (309, 16892), (310, 16895), (316, 16904), (353, 16979), (354, 16982), (379, 17018), (398, 17060), (423, 17078), (427, 17084), (441, 17108), (443, 17111), (455, 17150), (496, 17252), (540, 17360), (552, 17399), (555, 17417),

Gene: Alma_28 Start: 20534, Stop: 21547, Start Num: 92

Candidate Starts for Alma_28:

(Start: 92 @20534 has 316 MA's), (105, 20552), (129, 20609), (138, 20627), (151, 20663), (239, 20843), (260, 20879), (287, 20909), (312, 20951), (380, 21110), (445, 21254), (465, 21317), (499, 21392), (504, 21404), (512, 21428),

Gene: Alpacados_21 Start: 15416, Stop: 16288, Start Num: 98

Candidate Starts for Alpacados_21:

(Start: 98 @15416 has 85 MA's), (116, 15455), (147, 15536), (150, 15542), (Start: 180 @15611 has 1 MA's), (224, 15689), (234, 15716), (312, 15827), (378, 15923), (465, 16052), (471, 16070), (504, 16139), (556, 16277),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Amelie_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 25

Candidate Starts for Amgine_20:

(Start: 25 @16119 has 231 MA's), (57, 16236), (97, 16287), (143, 16395), (187, 16497), (188, 16500), (231, 16596), (264, 16650), (309, 16716), (316, 16728), (455, 16974), (456, 16977), (501, 17091), (540, 17184), (552, 17223), (555, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 24

Candidate Starts for Aminay_20:

(Start: 24 @16296 has 1 MA's), (31, 16320), (Start: 45 @16392 has 1 MA's), (57, 16422), (112, 16506), (130, 16554), (142, 16578), (186, 16680), (231, 16782), (264, 16836), (312, 16905), (316, 16911), (333, 16947), (353, 16986), (398, 17064), (455, 17154), (467, 17190), (480, 17220), (497, 17259), (540, 17364), (552, 17403), (555, 17421),

Gene: Amochick_21 Start: 16318, Stop: 17412, Start Num: 49

Candidate Starts for Amochick_21:

(Start: 49 @16318 has 23 MA's), (Start: 52 @16327 has 1 MA's), (114, 16423), (120, 16432), (122, 16441), (143, 16492), (145, 16498), (188, 16594), (195, 16612), (221, 16681), (226, 16690), (233, 16711), (238, 16717), (243, 16723), (245, 16726), (286, 16798), (289, 16801), (377, 16957), (401, 17008), (408, 17026), (444, 17098), (451, 17116), (480, 17200), (493, 17227), (494, 17230), (509, 17266), (515, 17284), (536, 17326), (540, 17341), (542, 17344), (550, 17374), (552, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 25

Candidate Starts for Amohnition_21:

(Start: 25 @16493 has 231 MA's), (57, 16610), (74, 16628), (97, 16661), (116, 16700), (143, 16769), (186, 16868), (188, 16874), (231, 16970), (264, 17024), (309, 17090), (316, 17102), (353, 17177), (398, 17258), (427, 17282), (455, 17348), (456, 17351), (493, 17441), (540, 17558), (552, 17597), (555, 17615),

Gene: Amok_16 Start: 14066, Stop: 15037, Start Num: 94

Candidate Starts for Amok_16:

(Start: 94 @14066 has 18 MA's), (118, 14111), (125, 14132), (138, 14168), (172, 14249), (217, 14327), (220, 14336), (221, 14339), (252, 14393), (258, 14405), (288, 14453), (315, 14495), (340, 14543), (361, 14594), (382, 14624), (395, 14654), (399, 14669), (401, 14672), (446, 14768), (451, 14786), (467, 14840), (468, 14843), (480, 14870), (483, 14879), (491, 14894), (494, 14903), (511, 14951), (532, 14999), (540, 15023), (543, 15029),

Gene: Amymech_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Amymech_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 25

Candidate Starts for Anaya_23:

(Start: 25 @16036 has 231 MA's), (Start: 29 @16042 has 23 MA's), (57, 16153), (124, 16264), (130, 16285), (143, 16312), (264, 16567), (317, 16648), (362, 16738), (441, 16849), (455, 16891), (493, 16984), (501, 17008), (540, 17101), (552, 17140), (555, 17158),

Gene: Anaysia_29 Start: 18122, Stop: 19099, Start Num: 96

Candidate Starts for Anaysia_29:

(Start: 96 @18122 has 22 MA's), (147, 18236), (150, 18242), (151, 18245), (269, 18479), (406, 18746), (442, 18800), (504, 18956),

Gene: AndPeggy_16 Start: 14429, Stop: 15400, Start Num: 94

Candidate Starts for AndPeggy_16:

(Start: 94 @14429 has 18 MA's), (118, 14474), (125, 14495), (129, 14510), (138, 14531), (155, 14582), (172, 14612), (188, 14639), (217, 14690), (220, 14699), (221, 14702), (252, 14756), (258, 14768), (288, 14816), (340, 14906), (361, 14957), (382, 14987), (395, 15017), (401, 15035), (446, 15131), (451, 15149), (466, 15200), (467, 15203), (480, 15233), (483, 15242), (491, 15257), (511, 15314), (532, 15362), (540, 15386), (543, 15392),

Gene: Aneem_27 Start: 19736, Stop: 20758, Start Num: 92

Candidate Starts for Aneem_27:

(Start: 92 @19736 has 316 MA's), (120, 19793), (147, 19868), (212, 19997), (239, 20057), (279, 20117), (287, 20123), (312, 20165), (334, 20210), (338, 20216), (368, 20300), (383, 20333), (504, 20615), (507, 20624), (512, 20639), (545, 20705),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Angel_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 25

Candidate Starts for Angelica_22:

(Start: 25 @15985 has 231 MA's), (57, 16102), (116, 16192), (124, 16213), (130, 16234), (143, 16261), (264, 16516), (317, 16597), (354, 16672), (362, 16687), (441, 16798), (455, 16840), (493, 16933), (501, 16957), (540, 17050), (552, 17089), (555, 17107),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 75

Candidate Starts for Angelicage_32:

(Start: 75 @30110 has 54 MA's), (157, 30296), (160, 30308), (Start: 180 @30335 has 1 MA's), (189, 30356), (223, 30416), (279, 30506), (304, 30542), (325, 30575), (331, 30590), (338, 30602), (354, 30632), (361, 30638), (395, 30698), (438, 30788), (468, 30878), (478, 30902), (483, 30914), (509, 30980), (532, 31031),

Gene: Angelique_19 Start: 16805, Stop: 17713, Start Num: 90

Candidate Starts for Angelique_19:

(Start: 90 @16805 has 26 MA's), (120, 16862), (174, 16997), (183, 17012), (185, 17015), (191, 17030), (215, 17066), (257, 17135), (282, 17174), (313, 17222), (327, 17246), (340, 17270), (446, 17462), (461, 17498), (462, 17501), (466, 17513), (467, 17516), (486, 17558), (488, 17561), (491, 17570), (510, 17624), (525, 17663), (529, 17669), (532, 17675),

Gene: AngryOrchard_21 Start: 15399, Stop: 16271, Start Num: 98

Candidate Starts for AngryOrchard_21:

(Start: 98 @15399 has 85 MA's), (116, 15438), (150, 15525), (Start: 180 @15594 has 1 MA's), (224, 15672), (312, 15810), (378, 15906), (465, 16035), (471, 16053), (504, 16122), (556, 16260),

Gene: Anma_22 Start: 15965, Stop: 17101, Start Num: 25

Candidate Starts for Anma_22:

(Start: 25 @15965 has 231 MA's), (57, 16082), (116, 16172), (124, 16193), (130, 16214), (143, 16241), (231, 16442), (264, 16496), (271, 16502), (317, 16577), (354, 16652), (362, 16667), (455, 16820), (493, 16913), (501, 16937), (540, 17030), (552, 17069), (555, 17087),

Gene: AnnaL29_30 Start: 21011, Stop: 22024, Start Num: 92

Candidate Starts for AnnaL29_30:

(Start: 92 @21011 has 316 MA's), (105, 21029), (138, 21104), (151, 21140), (163, 21179), (239, 21320), (287, 21386), (310, 21425), (312, 21428), (334, 21473), (406, 21659), (426, 21692), (504, 21881),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 25

Candidate Starts for Annihilator_17:

(4, 15135), (Start: 25 @15468 has 231 MA's), (57, 15588), (74, 15606), (104, 15651), (105, 15657), (129, 15720), (145, 15756), (173, 15825), (176, 15828), (186, 15849), (210, 15903), (231, 15948), (252, 15978), (316, 16080), (322, 16092), (328, 16104), (336, 16122), (423, 16287), (441, 16317), (449, 16335), (455, 16359), (502, 16479), (540, 16569), (550, 16602),

Gene: Anon_27 Start: 18753, Stop: 19730, Start Num: 96

Candidate Starts for Anon_27:

(Start: 96 @18753 has 22 MA's), (116, 18795), (141, 18852), (147, 18867), (150, 18873), (151, 18876), (189, 18963), (269, 19110), (359, 19260), (504, 19587), (530, 19647), (545, 19677),

Gene: Anselm_27 Start: 19280, Stop: 20296, Start Num: 92

Candidate Starts for Anselm_27:

(Start: 92 @19280 has 316 MA's), (129, 19355), (138, 19373), (151, 19409), (163, 19448), (287, 19655), (310, 19694), (312, 19697), (426, 19964), (465, 20066), (499, 20141), (504, 20153), (545, 20243),

Gene: Anthony_26 Start: 17668, Stop: 18678, Start Num: 92

Candidate Starts for Anthony_26:

(Start: 92 @17668 has 316 MA's), (138, 17761), (151, 17797), (239, 17977), (287, 18043), (310, 18082), (312, 18085), (368, 18220), (426, 18346), (462, 18439), (465, 18448), (504, 18535), (512, 18559), (528, 18592), (545, 18625),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 25

Candidate Starts for Antsirabe_17:

(3, 15441), (4, 15501), (Start: 25 @15810 has 231 MA's), (74, 15951), (105, 16002), (130, 16068), (131, 16071), (142, 16092), (145, 16101), (173, 16170), (176, 16173), (187, 16197), (205, 16242), (210, 16248), (231, 16293), (290, 16383), (322, 16437), (351, 16497), (409, 16605), (441, 16662), (455, 16704), (457, 16710), (488, 16782), (494, 16800), (525, 16878), (526, 16881), (536, 16899),

(550, 16947), (552, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 64

Candidate Starts for Aphelion_47:

(Start: 64 @28709 has 12 MA's), (102, 28757), (116, 28784), (144, 28856), (169, 28922), (186, 28952), (251, 29060), (316, 29153), (329, 29177), (335, 29192), (398, 29288), (441, 29336), (515, 29516), (532, 29552),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 25

Candidate Starts for Apocalypse_22:

(Start: 25 @15988 has 231 MA's), (57, 16105), (116, 16195), (124, 16216), (130, 16237), (143, 16264), (225, 16453), (264, 16519), (317, 16600), (354, 16675), (362, 16690), (441, 16801), (455, 16843), (493, 16936), (501, 16960), (540, 17053), (552, 17092), (555, 17110),

Gene: AppleCloud_20 Start: 15445, Stop: 16317, Start Num: 98

Candidate Starts for AppleCloud_20:

(Start: 98 @15445 has 85 MA's), (116, 15484), (150, 15571), (Start: 180 @15640 has 1 MA's), (224, 15718), (234, 15745), (312, 15856), (378, 15952), (465, 16081), (471, 16099), (504, 16168), (556, 16306),

Gene: Applecrisp_20 Start: 16530, Stop: 17666, Start Num: 25

Candidate Starts for Applecrisp_20:

(Start: 25 @16530 has 231 MA's), (57, 16647), (97, 16698), (143, 16806), (187, 16908), (188, 16911), (231, 17007), (264, 17061), (309, 17127), (316, 17139), (455, 17385), (456, 17388), (540, 17595), (552, 17634), (555, 17652),

Gene: Applejacks_17 Start: 14230, Stop: 15060, Start Num: 94

Candidate Starts for Applejacks_17:

(Start: 94 @14230 has 18 MA's), (116, 14275), (125, 14299), (151, 14362), (152, 14365), (184, 14434), (245, 14530), (304, 14626), (312, 14638), (334, 14677), (354, 14707), (457, 14863), (464, 14884), (480, 14914), (482, 14917), (497, 14953), (509, 14983),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 78

Candidate Starts for Appletree2_17:

(55, 15764), (58, 15767), (Start: 78 @15800 has 9 MA's), (Start: 92 @15818 has 316 MA's), (107, 15842), (120, 15872), (125, 15887), (139, 15920), (216, 16064), (256, 16145), (310, 16220), (312, 16223), (316, 16229), (338, 16274), (368, 16301), (389, 16334), (392, 16340), (431, 16373), (439, 16382), (450, 16409), (497, 16529), (514, 16577), (529, 16604), (549, 16643), (551, 16649), (558, 16688),

Gene: Aragog_23 Start: 18754, Stop: 19767, Start Num: 98

Candidate Starts for Aragog_23:

(Start: 98 @18754 has 85 MA's), (138, 18850), (150, 18883), (151, 18886), (163, 18925), (189, 18973), (287, 19126), (297, 19144), (312, 19168), (333, 19210), (459, 19522), (504, 19624), (513, 19651), (545, 19714),

Gene: ArcherNM_29 Start: 20956, Stop: 21969, Start Num: 92

Candidate Starts for ArcherNM_29:

(Start: 92 @20956 has 316 MA's), (138, 21049), (151, 21085), (163, 21124), (287, 21331), (310, 21370), (312, 21373), (334, 21418), (406, 21604), (426, 21637), (504, 21826),

Gene: Archetta_23 Start: 18467, Stop: 19480, Start Num: 98

Candidate Starts for Archetta_23:

(Start: 98 @18467 has 85 MA's), (138, 18563), (150, 18596), (151, 18599), (163, 18638), (189, 18686), (287, 18839), (297, 18857), (312, 18881), (333, 18923), (459, 19235), (504, 19337), (513, 19364),

Gene: ArchiDore_18 Start: 15181, Stop: 16242, Start Num: 53

Candidate Starts for ArchiDore_18:

(Start: 53 @15181 has 20 MA's), (114, 15274), (130, 15316), (151, 15364), (187, 15442), (207, 15502), (221, 15532), (232, 15556), (233, 15562), (279, 15634), (284, 15643), (286, 15646), (292, 15655), (319, 15697), (377, 15796), (408, 15865), (424, 15892), (437, 15913), (525, 16138), (551, 16210), (552, 16213),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 92

Candidate Starts for Archie_17:

(Start: 92 @16290 has 316 MA's), (107, 16314), (120, 16344), (151, 16425), (309, 16695), (310, 16698), (312, 16701), (377, 16788), (389, 16812), (392, 16818), (450, 16887), (454, 16905), (460, 16923), (461, 16926), (514, 17055), (529, 17082), (534, 17094), (558, 17184), (560, 17196),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 75

Candidate Starts for Archimedes_15:

(Start: 63 @13698 has 10 MA's), (Start: 75 @13707 has 54 MA's), (109, 13767), (171, 13914), (186, 13941), (212, 13983), (250, 14052), (278, 14088), (332, 14178), (373, 14235), (376, 14238), (441, 14325), (456, 14361), (468, 14391), (472, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 68

Candidate Starts for Archis_19:

(Start: 63 @15998 has 10 MA's), (Start: 68 @16004 has 23 MA's), (Start: 83 @16019 has 11 MA's), (147, 16160), (184, 16241), (219, 16298), (222, 16307), (243, 16340), (317, 16448), (371, 16532), (427, 16604), (492, 16733), (501, 16760), (510, 16775),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 85

Candidate Starts for Arianna_18:

(Start: 83 @16550 has 11 MA's), (Start: 85 @16553 has 1 MA's), (125, 16637), (182, 16775), (377, 17063),

Gene: Arissanae_26 Start: 18593, Stop: 19615, Start Num: 92

Candidate Starts for Arissanae_26:

(Start: 92 @18593 has 316 MA's), (103, 18608), (105, 18611), (138, 18686), (260, 18938), (287, 18968), (312, 19010), (377, 19160), (393, 19205), (415, 19256), (418, 19262), (465, 19385), (504, 19472),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Aroostook_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 79

Candidate Starts for Arri_33:

(Start: 79 @25616 has 33 MA's), (129, 25721), (155, 25790), (157, 25796), (168, 25820), (Start: 180 @25835 has 1 MA's), (395, 26195), (399, 26210), (412, 26228), (454, 26330), (468, 26372), (483, 26408), (519, 26504), (543, 26555),

Gene: Artemis2UCLA_30 Start: 18860, Stop: 19876, Start Num: 92

Candidate Starts for Artemis2UCLA_30:

(Start: 92 @18860 has 316 MA's), (105, 18878), (120, 18914), (138, 18953), (182, 19058), (287, 19235), (310, 19274), (312, 19277), (355, 19364), (357, 19385), (406, 19511), (445, 19583), (504, 19733), (507, 19742), (545, 19823),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Asayake_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 75

Candidate Starts for Ashertheman_34:

(Start: 75 @28975 has 54 MA's), (157, 29161), (160, 29173), (168, 29185), (Start: 180 @29200 has 1 MA's), (186, 29212), (203, 29239), (211, 29254), (223, 29281), (279, 29371), (304, 29407), (338, 29467), (351, 29491), (361, 29503), (395, 29563), (438, 29653), (478, 29767), (483, 29779), (509, 29845), (514, 29860), (523, 29884), (532, 29896),

Gene: Astro_23 Start: 17636, Stop: 18658, Start Num: 98

Candidate Starts for Astro_23:

(Start: 98 @17636 has 85 MA's), (147, 17759), (150, 17765), (182, 17837), (239, 17942), (254, 17969), (312, 18059), (394, 18260), (404, 18290), (406, 18293), (499, 18503), (513, 18542), (540, 18590), (545, 18605),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 25

Candidate Starts for Atiba_22:

(Start: 25 @15980 has 231 MA's), (57, 16097), (116, 16187), (124, 16208), (130, 16229), (143, 16256), (264, 16511), (317, 16592), (354, 16667), (362, 16682), (441, 16793), (455, 16835), (493, 16928), (501, 16952), (540, 17045), (552, 17084), (555, 17102),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 41

Candidate Starts for AuntGwenStacy_23:

(Start: 41 @18613 has 6 MA's), (Start: 85 @18679 has 1 MA's), (129, 18769), (131, 18775), (152, 18823), (171, 18871), (186, 18898), (200, 18925), (201, 18928), (214, 18949), (241, 19000), (274, 19051), (280, 19060), (296, 19087), (336, 19162), (348, 19186), (427, 19276), (441, 19300), (443, 19303), (455, 19339), (473, 19393), (478, 19402), (497, 19444), (498, 19447), (536, 19528), (539, 19537), (552, 19582),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 86

Candidate Starts for Auspice_27:

(Start: 86 @21457 has 21 MA's), (133, 21559), (142, 21577), (147, 21592), (182, 21664), (186, 21673), (230, 21751), (309, 21886), (310, 21889), (312, 21892), (352, 21961), (389, 22003), (392, 22009), (472, 22150), (485, 22171), (492, 22183), (547, 22306), (551, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 92

Candidate Starts for AvadaKedavra_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 26

Candidate Starts for Avocado_17:

(Start: 26 @15733 has 2 MA's), (57, 15862), (74, 15880), (105, 15931), (116, 15955), (130, 15997), (131, 16000), (142, 16021), (145, 16030), (157, 16066), (176, 16102), (179, 16108), (187, 16126), (210, 16177), (290, 16312), (322, 16366), (351, 16426), (441, 16591), (455, 16633), (488, 16711), (525, 16807), (526, 16810), (550, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Avrafan_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Ayanochan_29 Start: 20560, Stop: 21573, Start Num: 92

Candidate Starts for Ayanochan_29:

(Start: 92 @20560 has 316 MA's), (105, 20578), (129, 20635), (138, 20653), (151, 20689), (239, 20869), (260, 20905), (287, 20935), (312, 20977), (380, 21136), (445, 21280), (465, 21343), (499, 21418), (504, 21430), (512, 21454),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 53

Candidate Starts for Ayotoya_21:

(Start: 53 @17079 has 20 MA's), (Start: 87 @17124 has 2 MA's), (105, 17154), (151, 17262), (215, 17412), (233, 17460), (286, 17544), (292, 17553), (319, 17595), (414, 17772), (449, 17841), (511, 18003), (525, 18036), (551, 18108), (552, 18111),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 86

Candidate Starts for Aziz_31:

(Start: 86 @22046 has 21 MA's), (Start: 94 @22055 has 18 MA's), (120, 22109), (131, 22145), (133, 22148), (142, 22166), (147, 22181), (151, 22190), (Start: 180 @22250 has 1 MA's), (182, 22253), (310, 22478), (312, 22481), (328, 22511), (392, 22598), (472, 22739), (497, 22787), (509, 22820), (557, 22943),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 65

Candidate Starts for Azula_20:

(Start: 65 @16105 has 14 MA's), (Start: 83 @16120 has 11 MA's), (132, 16222), (147, 16261), (184, 16342), (231, 16426), (243, 16441), (317, 16549), (371, 16633), (423, 16699), (427, 16705), (451, 16744), (492, 16834), (510, 16876),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for AzulaCat_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: BABullseye_30 Start: 18959, Stop: 19972, Start Num: 92

Candidate Starts for BABullseye_30:

(Start: 92 @18959 has 316 MA's), (120, 19013), (138, 19052), (182, 19157), (260, 19304), (287, 19334), (310, 19373), (312, 19376), (334, 19421), (357, 19481), (445, 19679), (504, 19829), (507, 19838),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for BEEST_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for BGlluviae_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for BPs_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 25

Candidate Starts for BQuat_17:

(4, 15135), (Start: 25 @15468 has 231 MA's), (57, 15588), (74, 15606), (104, 15651), (105, 15657), (129, 15720), (145, 15756), (173, 15825), (176, 15828), (186, 15849), (210, 15903), (231, 15948), (252, 15978), (316, 16080), (322, 16092), (328, 16104), (336, 16122), (423, 16287), (441, 16317), (449, 16335), (455, 16359), (502, 16479), (540, 16569), (550, 16602),

Gene: BabyBack_29 Start: 20784, Stop: 21794, Start Num: 92

Candidate Starts for BabyBack_29:

(Start: 92 @20784 has 316 MA's), (138, 20877), (151, 20913), (163, 20952), (287, 21159), (310, 21198), (312, 21201), (465, 21564), (504, 21651), (512, 21675),

Gene: BabyMoney_20 Start: 17148, Stop: 18008, Start Num: 63

Candidate Starts for BabyMoney_20:

(Start: 63 @17148 has 10 MA's), (Start: 68 @17154 has 23 MA's), (97, 17190), (99, 17193), (167, 17361), (177, 17376), (184, 17388), (240, 17484), (243, 17487), (249, 17496), (256, 17508), (264, 17523), (345, 17652), (438, 17772), (451, 17793), (456, 17814), (466, 17844), (511, 17934),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 64

Candidate Starts for Bachita_49:

(Start: 64 @29142 has 12 MA's), (102, 29190), (116, 29217), (144, 29289), (169, 29355), (186, 29385), (251, 29493), (316, 29586), (329, 29610), (335, 29625), (398, 29721), (441, 29769), (515, 29949), (532, 29985),

Gene: Bachome_27 Start: 19727, Stop: 20749, Start Num: 92

Candidate Starts for Bachome_27:

(Start: 92 @19727 has 316 MA's), (120, 19784), (147, 19859), (212, 19988), (239, 20048), (279, 20108), (287, 20114), (312, 20156), (334, 20201), (338, 20207), (368, 20291), (383, 20324), (504, 20606), (507, 20615), (512, 20630), (545, 20696),

Gene: Bactobuster_28 Start: 20771, Stop: 21787, Start Num: 92

Candidate Starts for Bactobuster_28:

(Start: 92 @20771 has 316 MA's), (129, 20846), (138, 20864), (163, 20939), (239, 21080), (256, 21110), (287, 21146), (312, 21188), (356, 21278), (364, 21314), (368, 21329), (426, 21455), (459, 21542), (504, 21644), (512, 21668),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 75

Candidate Starts for Baddon_33:

(Start: 75 @29772 has 54 MA's), (147, 29928), (157, 29958), (160, 29970), (162, 29973), (168, 29982), (Start: 180 @29997 has 1 MA's), (186, 30009), (279, 30168), (304, 30204), (338, 30264), (361, 30300), (395, 30360), (438, 30450), (468, 30540), (478, 30564), (483, 30576), (509, 30642), (514, 30657), (523, 30681), (532, 30693),

Gene: Baehexic_28 Start: 19662, Stop: 20678, Start Num: 92

Candidate Starts for Baehexic_28:

(Start: 92 @19662 has 316 MA's), (129, 19737), (138, 19755), (151, 19791), (163, 19830), (260, 20007), (287, 20037), (310, 20076), (312, 20079), (504, 20535), (512, 20559),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 25

Candidate Starts for BaghaKamala_22:

(Start: 25 @15980 has 231 MA's), (57, 16097), (116, 16187), (124, 16208), (130, 16229), (143, 16256), (264, 16511), (317, 16592), (354, 16667), (362, 16682), (441, 16793), (455, 16835), (493, 16928), (501, 16952), (540, 17045), (552, 17084), (555, 17102),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 79

Candidate Starts for Bakery_31:

(Start: 79 @24839 has 33 MA's), (129, 24935), (155, 25004), (157, 25010), (160, 25022), (162, 25025), (168, 25034), (Start: 180 @25049 has 1 MA's), (279, 25223), (304, 25259), (382, 25376), (395, 25406), (454, 25541), (466, 25577), (478, 25607), (483, 25619), (512, 25694), (519, 25715),

Gene: BananenDer11_20 Start: 16380, Stop: 17510, Start Num: 29

Candidate Starts for BananenDer11_20:

(Start: 29 @16380 has 23 MA's), (104, 16554), (129, 16620), (130, 16623), (143, 16650), (186, 16749), (231, 16851), (264, 16905), (287, 16935), (309, 16971), (310, 16974), (316, 16983), (353, 17058), (354, 17061), (379, 17097), (398, 17139), (423, 17157), (427, 17163), (441, 17187), (443, 17190), (455, 17229), (540, 17439), (552, 17478), (555, 17496),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 60

Candidate Starts for Bantam_29:

(Start: 60 @26180 has 10 MA's), (Start: 83 @26201 has 11 MA's), (144, 26327), (147, 26336), (210, 26456), (235, 26507), (243, 26516), (264, 26552), (316, 26624), (319, 26630), (398, 26759), (441, 26807), (468, 26882), (492, 26930),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 92

Candidate Starts for Baoshan_16:

(Start: 92 @15899 has 316 MA's), (107, 15923), (120, 15953), (151, 16034), (170, 16079), (309, 16304), (310, 16307), (312, 16310), (328, 16340), (377, 16397), (392, 16427), (450, 16496), (454, 16514), (485, 16589), (492, 16601), (514, 16664), (529, 16691), (551, 16754), (558, 16793), (560, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 79

Candidate Starts for Barb_32:

(Start: 79 @25634 has 33 MA's), (129, 25739), (155, 25808), (157, 25814), (168, 25838), (Start: 180 @25853 has 1 MA's), (395, 26213), (399, 26228), (412, 26246), (454, 26348), (468, 26390), (483, 26426), (519, 26522), (543, 26573),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 63

Candidate Starts for Barco_18:

(Start: 63 @15787 has 10 MA's), (Start: 68 @15793 has 23 MA's), (147, 15949), (184, 16030), (243, 16129), (317, 16237), (371, 16321), (427, 16393), (492, 16522), (501, 16549), (510, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 25

Candidate Starts for Barkley26_17:

(4, 15147), (Start: 25 @15480 has 231 MA's), (57, 15600), (74, 15618), (104, 15663), (105, 15669), (129, 15732), (145, 15768), (173, 15837), (176, 15840), (186, 15861), (210, 15915), (231, 15960), (252, 15990), (316, 16092), (322, 16104), (328, 16116), (336, 16134), (423, 16299), (441, 16329), (449, 16347), (455, 16371), (496, 16473), (502, 16491), (540, 16581), (550, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 25

Candidate Starts for BarrelRoll_22:

(Start: 25 @16003 has 231 MA's), (57, 16120), (116, 16210), (124, 16231), (130, 16252), (143, 16279), (264, 16534), (317, 16615), (354, 16690), (362, 16705), (441, 16816), (455, 16858), (493, 16951), (501, 16975), (540, 17068), (552, 17107), (555, 17125),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 75

Candidate Starts for Barsten_34:

(Start: 75 @29324 has 54 MA's), (157, 29510), (160, 29522), (Start: 180 @29549 has 1 MA's), (189, 29570), (223, 29630), (277, 29717), (279, 29720), (304, 29756), (325, 29789), (331, 29804), (338, 29816), (354, 29846), (361, 29852), (395, 29912), (438, 30002), (468, 30092), (478, 30116), (483, 30128), (509, 30194), (532, 30245),

Gene: Battleship_30 Start: 18234, Stop: 19211, Start Num: 96

Candidate Starts for Battleship_30:

(Start: 96 @18234 has 22 MA's), (147, 18348), (150, 18354), (151, 18357), (269, 18591), (406, 18858), (442, 18912), (504, 19068),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 92

Candidate Starts for Baudelaire_17:

(Start: 67 @15389 has 1 MA's), (76, 15404), (Start: 92 @15428 has 316 MA's), (107, 15452), (125, 15497), (129, 15512), (139, 15530), (170, 15608), (260, 15761), (263, 15770), (312, 15833), (389, 15944), (392, 15950), (394, 15956), (439, 15992), (450, 16019), (456, 16043), (462, 16061), (465, 16070), (466, 16073), (485, 16112), (497, 16139), (514, 16187), (525, 16208), (558, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 75

Candidate Starts for Baumdotcom_33:

(Start: 75 @28596 has 54 MA's), (157, 28782), (160, 28794), (168, 28806), (Start: 180 @28821 has 1 MA's), (186, 28833), (203, 28860), (211, 28875), (223, 28902), (279, 28992), (304, 29028), (338, 29088), (351, 29112), (361, 29124), (395, 29184), (438, 29274), (478, 29388), (483, 29400), (509, 29466), (514, 29481), (523, 29505), (532, 29517),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 92

Candidate Starts for Bazzle_17:

(Start: 92 @16039 has 316 MA's), (107, 16063), (120, 16093), (170, 16219), (309, 16444), (310, 16447), (312, 16450), (377, 16537), (389, 16561), (392, 16567), (450, 16636), (454, 16654), (460, 16672), (461, 16675), (514, 16804), (529, 16831), (534, 16843), (558, 16933), (560, 16945),

Gene: BearBQ_18 Start: 16477, Stop: 17403, Start Num: 90

Candidate Starts for BearBQ_18:

(Start: 87 @16474 has 2 MA's), (Start: 90 @16477 has 26 MA's), (120, 16534), (155, 16636), (159, 16648), (178, 16672), (183, 16681), (185, 16684), (186, 16687), (221, 16750), (247, 16783), (257, 16804), (304, 16879), (313, 16891), (327, 16915), (341, 16942), (343, 16945), (367, 16975), (396,

17029), (406, 17053), (446, 17134), (457, 17176), (458, 17179), (461, 17188), (462, 17191), (466, 17203), (467, 17206), (471, 17218), (476, 17230), (488, 17251), (491, 17260), (494, 17269), (510, 17314), (511, 17317), (529, 17359), (532, 17365),

Gene: BeeGee_19 Start: 16625, Stop: 17533, Start Num: 90

Candidate Starts for BeeGee_19:

(Start: 90 @16625 has 26 MA's), (120, 16682), (174, 16817), (183, 16832), (185, 16835), (215, 16886), (282, 16994), (313, 17042), (327, 17066), (338, 17084), (340, 17090), (367, 17126), (446, 17282), (458, 17309), (462, 17321), (467, 17336), (488, 17381), (497, 17408), (510, 17444), (511, 17447), (525, 17483), (529, 17489), (532, 17495),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 92

Candidate Starts for Beelzebub_53:

(Start: 92 @26710 has 316 MA's), (147, 26842), (155, 26866), (159, 26875), (161, 26881), (166, 26890), (182, 26914), (186, 26923), (191, 26935), (254, 27061), (302, 27142), (312, 27157), (316, 27163), (389, 27271), (465, 27397), (467, 27403), (535, 27553), (537, 27559), (542, 27571), (543, 27574), (561, 27661), (562, 27664), (563, 27667),

Gene: Beemo_28 Start: 20561, Stop: 21574, Start Num: 92

Candidate Starts for Beemo_28:

(Start: 92 @20561 has 316 MA's), (105, 20579), (129, 20636), (138, 20654), (151, 20690), (239, 20870), (260, 20906), (287, 20936), (312, 20978), (380, 21137), (445, 21281), (465, 21344), (499, 21419), (504, 21431), (512, 21455),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 25

Candidate Starts for Beezoo_22:

(Start: 25 @16027 has 231 MA's), (57, 16144), (116, 16234), (124, 16255), (130, 16276), (143, 16303), (264, 16558), (317, 16639), (354, 16714), (362, 16729), (441, 16840), (455, 16882), (493, 16975), (501, 16999), (540, 17092), (552, 17131), (555, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 68

Candidate Starts for Begonia_19:

(Start: 63 @16265 has 10 MA's), (Start: 68 @16271 has 23 MA's), (147, 16427), (184, 16508), (243, 16607), (317, 16715), (371, 16799), (427, 16871), (492, 17000), (510, 17042),

Gene: Belenaria_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Belenaria_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 25

Candidate Starts for Bella96_22:

(Start: 25 @15947 has 231 MA's), (57, 16064), (116, 16154), (124, 16175), (130, 16196), (143, 16223), (231, 16424), (264, 16478), (317, 16559), (354, 16634), (362, 16649), (455, 16802), (493, 16895), (501, 16919), (540, 17012), (552, 17051), (555, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Belladonna_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 92

Candidate Starts for Bellis_18:

(Start: 92 @16492 has 316 MA's), (107, 16516), (125, 16561), (129, 16576), (139, 16597), (182, 16693), (260, 16828), (263, 16837), (310, 16897), (312, 16900), (316, 16906), (368, 16978), (389, 17011), (450, 17086), (466, 17140), (473, 17161), (499, 17212), (514, 17254), (558, 17365), (559, 17368),

Gene: Bellris_25 Start: 18587, Stop: 19609, Start Num: 92

Candidate Starts for Bellris_25:

(Start: 92 @18587 has 316 MA's), (105, 18605), (120, 18641), (129, 18662), (138, 18680), (182, 18785), (260, 18932), (287, 18962), (312, 19004), (357, 19109), (377, 19154), (393, 19199), (415, 19250), (418, 19256), (421, 19265), (465, 19379), (491, 19430), (499, 19454), (504, 19466), (545, 19556),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 59

Candidate Starts for Belphegor_32:

(Start: 59 @29032 has 25 MA's), (145, 29191), (168, 29251), (221, 29347), (223, 29350), (293, 29458), (305, 29479), (366, 29581), (386, 29617), (470, 29809), (481, 29833), (483, 29839), (491, 29854), (509, 29905), (521, 29938), (522, 29941), (551, 30007),

Gene: Benedict_23 Start: 17968, Stop: 18981, Start Num: 98

Candidate Starts for Benedict_23:

(Start: 98 @17968 has 85 MA's), (150, 18097), (151, 18100), (163, 18139), (239, 18274), (256, 18304), (279, 18334), (287, 18340), (297, 18358), (312, 18382), (333, 18424), (504, 18838), (545, 18928),

Gene: BengiVuitton_28 Start: 19613, Stop: 20623, Start Num: 92

Candidate Starts for BengiVuitton_28:

(Start: 92 @19613 has 316 MA's), (138, 19706), (151, 19742), (163, 19781), (287, 19988), (310, 20027), (312, 20030), (406, 20258), (426, 20291), (465, 20393), (472, 20414), (499, 20468), (504, 20480), (545, 20570),

Gene: BennyP_30 Start: 18966, Stop: 19979, Start Num: 92

Candidate Starts for BennyP_30:

(Start: 92 @18966 has 316 MA's), (120, 19020), (138, 19059), (182, 19164), (260, 19311), (287, 19341), (310, 19380), (312, 19383), (334, 19428), (357, 19488), (445, 19686), (504, 19836), (507, 19845),

Gene: Benvolio_27 Start: 19279, Stop: 20295, Start Num: 92

Candidate Starts for Benvolio_27:

(Start: 92 @19279 has 316 MA's), (129, 19354), (138, 19372), (151, 19408), (163, 19447), (287, 19654), (310, 19693), (312, 19696), (465, 20065), (499, 20140), (504, 20152),

Gene: Bern_22 Start: 15975, Stop: 17111, Start Num: 25

Candidate Starts for Bern_22:

(Start: 25 @15975 has 231 MA's), (57, 16092), (124, 16203), (130, 16224), (143, 16251), (231, 16452), (264, 16506), (317, 16587), (354, 16662), (362, 16677), (441, 16788), (455, 16830), (493, 16923), (501, 16947), (540, 17040), (552, 17079), (555, 17097),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 83

Candidate Starts for Bernal13_18:

(Start: 83 @16018 has 11 MA's), (103, 16045), (111, 16063), (188, 16240), (189, 16243), (224, 16318), (260, 16384), (275, 16411), (310, 16468), (316, 16477), (466, 16714), (474, 16738), (517, 16837), (525, 16858), (536, 16879), (548, 16918), (551, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 53

Candidate Starts for BetterKatz_21:

(Start: 53 @16552 has 20 MA's), (Start: 87 @16597 has 2 MA's), (105, 16627), (151, 16735), (215, 16885), (233, 16933), (286, 17017), (292, 17026), (319, 17068), (414, 17245), (432, 17278), (449, 17314), (525, 17509), (551, 17581), (552, 17584),

Gene: BiancaTri92_29 Start: 20966, Stop: 21976, Start Num: 92

Candidate Starts for BiancaTri92_29:

(Start: 92 @20966 has 316 MA's), (129, 21041), (138, 21059), (151, 21095), (163, 21134), (260, 21311), (287, 21341), (310, 21380), (312, 21383), (406, 21611), (465, 21746), (499, 21821), (504, 21833), (545, 21923),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 75

Candidate Starts for Bibwit_33:

(Start: 75 @29511 has 54 MA's), (157, 29697), (160, 29709), (Start: 180 @29736 has 1 MA's), (279, 29907), (304, 29943), (325, 29976), (331, 29991), (338, 30003), (354, 30033), (361, 30039), (395, 30099), (438, 30189), (468, 30279), (478, 30303), (483, 30315), (509, 30381), (532, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for BigCheese_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: BigHunkinEater_36 Start: 29015, Stop: 29992, Start Num: 59

Candidate Starts for BigHunkinEater_36:

(Start: 59 @29015 has 25 MA's), (112, 29090), (118, 29102), (129, 29138), (145, 29174), (191, 29276), (221, 29330), (263, 29402), (308, 29465), (314, 29474), (343, 29531), (366, 29564), (385, 29597), (386, 29600), (416, 29657), (457, 29753), (468, 29786), (471, 29795), (483, 29816), (496, 29843), (503, 29864), (507, 29873), (509, 29879), (521, 29912), (522, 29915), (546, 29969), (551, 29981),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Biglebops_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 41

Candidate Starts for Bipper_23:

(Start: 41 @18745 has 6 MA's), (Start: 85 @18811 has 1 MA's), (93, 18820), (124, 18883), (129, 18901), (131, 18907), (186, 19030), (200, 19057), (201, 19060), (214, 19081), (274, 19183), (280, 19192), (296, 19219), (336, 19294), (374, 19336), (389, 19363), (427, 19408), (441, 19432), (443, 19435), (457, 19477), (473, 19525), (478, 19534), (497, 19576), (502, 19588), (529, 19645), (552, 19714),

Gene: Birdsong_18 Start: 15370, Stop: 16296, Start Num: 90

Candidate Starts for Birdsong_18:

(Start: 87 @15367 has 2 MA's), (Start: 90 @15370 has 26 MA's), (120, 15427), (155, 15529), (159, 15541), (178, 15565), (183, 15574), (185, 15577), (186, 15580), (221, 15643), (247, 15676), (257, 15697), (265, 15712), (304, 15772), (313, 15784), (327, 15808), (341, 15835), (343, 15838), (367, 15868), (406, 15946), (446, 16027), (457, 16069), (458, 16072), (461, 16081), (462, 16084), (466, 16096), (467, 16099), (471, 16111), (476, 16123), (488, 16144), (491, 16153), (494, 16162), (510,

16207), (511, 16210), (513, 16216), (529, 16252), (532, 16258),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 75

Candidate Starts for Bizzy_34:

(Start: 75 @28919 has 54 MA's), (147, 29075), (157, 29105), (160, 29117), (168, 29129), (Start: 180 @29144 has 1 MA's), (186, 29156), (279, 29315), (304, 29351), (338, 29411), (361, 29447), (395, 29507), (438, 29597), (468, 29687), (478, 29711), (483, 29723), (509, 29789), (514, 29804), (523, 29828), (532, 29840),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 92

Candidate Starts for Blackbeetle_49:

(Start: 92 @25756 has 316 MA's), (147, 25888), (155, 25912), (159, 25921), (161, 25927), (166, 25936), (182, 25960), (186, 25969), (191, 25981), (196, 25993), (254, 26107), (302, 26188), (312, 26203), (316, 26209), (389, 26317), (465, 26443), (467, 26449), (535, 26599), (537, 26605), (542, 26617), (543, 26620), (561, 26707), (562, 26710), (563, 26713),

Gene: BlessJoy_30 Start: 18958, Stop: 19974, Start Num: 92

Candidate Starts for BlessJoy_30:

(Start: 92 @18958 has 316 MA's), (105, 18976), (120, 19012), (138, 19051), (182, 19156), (287, 19333), (310, 19372), (312, 19375), (355, 19462), (357, 19483), (406, 19609), (445, 19681), (504, 19831), (507, 19840), (545, 19921),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 68

Candidate Starts for BlingBling_18:

(Start: 63 @15787 has 10 MA's), (Start: 68 @15793 has 23 MA's), (147, 15949), (184, 16030), (243, 16129), (317, 16237), (371, 16321), (427, 16393), (492, 16522), (501, 16549), (510, 16564),

Gene: Blinn1_30 Start: 19032, Stop: 20045, Start Num: 92

Candidate Starts for Blinn1_30:

(Start: 92 @19032 has 316 MA's), (120, 19086), (138, 19125), (151, 19161), (182, 19230), (260, 19377), (287, 19407), (310, 19446), (312, 19449), (334, 19494), (357, 19554), (406, 19680), (445, 19752), (504, 19902), (507, 19911),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 68

Candidate Starts for Blino_18:

(Start: 63 @15755 has 10 MA's), (Start: 68 @15761 has 23 MA's), (147, 15917), (184, 15998), (243, 16097), (317, 16205), (371, 16289), (423, 16355), (427, 16361), (492, 16490), (510, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Blizzard_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: BloominB_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for BloominB_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Blue7_30 Start: 18950, Stop: 19966, Start Num: 92

Candidate Starts for Blue7_30:

(Start: 92 @18950 has 316 MA's), (105, 18968), (120, 19004), (138, 19043), (182, 19148), (287, 19325), (310, 19364), (312, 19367), (355, 19454), (357, 19475), (406, 19601), (445, 19673), (504, 19823), (507, 19832), (545, 19913),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 72

Candidate Starts for BlueNGold_99:

(Start: 72 @59080 has 5 MA's), (82, 59095), (Start: 87 @59101 has 2 MA's), (93, 59107), (142, 59224), (143, 59227), (159, 59278), (181, 59314), (261, 59449), (284, 59485), (305, 59515), (444, 59767), (457, 59812), (467, 59842), (469, 59848), (483, 59875), (500, 59914), (527, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 65

Candidate Starts for Blueberry_20:

(Start: 65 @16105 has 14 MA's), (Start: 83 @16120 has 11 MA's), (132, 16222), (147, 16261), (184, 16342), (231, 16426), (243, 16441), (317, 16549), (371, 16633), (423, 16699), (427, 16705), (451, 16744), (492, 16834), (510, 16876),

Gene: Bluefalcon_22 Start: 18724, Stop: 19737, Start Num: 98

Candidate Starts for Bluefalcon_22:

(Start: 98 @18724 has 85 MA's), (138, 18820), (150, 18853), (151, 18856), (163, 18895), (189, 18943), (287, 19096), (297, 19114), (312, 19138), (333, 19180), (459, 19492), (504, 19594), (513, 19621),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 75

Candidate Starts for BobBob_31:

(Start: 75 @28792 has 54 MA's), (157, 28978), (160, 28990), (Start: 180 @29017 has 1 MA's), (189, 29038), (223, 29098), (279, 29188), (304, 29224), (325, 29257), (331, 29272), (338, 29284), (354, 29314), (361, 29320), (395, 29380), (438, 29470), (468, 29560), (478, 29584), (483, 29596), (509, 29662), (514, 29677), (523, 29701), (532, 29713), (543, 29743),

Gene: BobSwaget_30 Start: 20811, Stop: 21821, Start Num: 92

Candidate Starts for BobSwaget_30:

(Start: 92 @20811 has 316 MA's), (138, 20904), (151, 20940), (163, 20979), (287, 21186), (310, 21225), (312, 21228), (334, 21273), (368, 21363), (406, 21456), (426, 21489), (465, 21591), (499, 21666), (504, 21678), (545, 21768),

Gene: BobbyDazzler_22 Start: 15525, Stop: 16397, Start Num: 98

Candidate Starts for BobbyDazzler_22:

(Start: 98 @15525 has 85 MA's), (116, 15564), (147, 15645), (150, 15651), (Start: 180 @15720 has 1 MA's), (224, 15798), (234, 15825), (312, 15936), (378, 16032), (465, 16161), (471, 16179), (504, 16248), (556, 16386),

Gene: Bobquesha_24 Start: 17234, Stop: 18367, Start Num: 25

Candidate Starts for Bobquesha_24:

(Start: 25 @17234 has 231 MA's), (31, 17252), (Start: 45 @17324 has 1 MA's), (57, 17354), (116, 17444), (120, 17453), (130, 17486), (142, 17510), (187, 17615), (264, 17768), (312, 17837), (316, 17843), (398, 17996), (423, 18014), (441, 18044), (455, 18086), (456, 18089), (536, 18281), (540, 18296), (552, 18335), (555, 18353),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for BobsGarage_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 53

Candidate Starts for Bock_21:

(Start: 53 @16302 has 20 MA's), (Start: 87 @16347 has 2 MA's), (105, 16377), (145, 16470), (151, 16485), (215, 16635), (233, 16683), (286, 16767), (292, 16776), (319, 16818), (414, 16995), (432, 17028), (449, 17064), (525, 17259), (551, 17331), (552, 17334),

Gene: BogosyJay_28 Start: 20290, Stop: 21312, Start Num: 92

Candidate Starts for BogosyJay_28:

(Start: 92 @20290 has 316 MA's), (105, 20308), (129, 20365), (138, 20383), (151, 20419), (239, 20599), (260, 20635), (287, 20665), (312, 20707), (380, 20866), (415, 20953), (504, 21169), (512, 21193),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 25

Candidate Starts for Boiiii_22:

(Start: 25 @16053 has 231 MA's), (57, 16170), (116, 16260), (124, 16281), (130, 16302), (143, 16329), (264, 16584), (317, 16665), (354, 16740), (362, 16755), (441, 16866), (455, 16908), (493, 17001), (501, 17025), (540, 17118), (552, 17157), (555, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 23

Candidate Starts for Boilgate_19:

(Start: 23 @16429 has 1 MA's), (31, 16453), (Start: 45 @16525 has 1 MA's), (57, 16555), (Start: 61 @16561 has 1 MA's), (104, 16618), (129, 16684), (130, 16687), (142, 16711), (148, 16729), (160, 16768), (184, 16807), (186, 16813), (198, 16846), (231, 16915), (264, 16969), (297, 17017), (310, 17035), (312, 17038), (316, 17044), (427, 17221), (441, 17245), (455, 17287), (456, 17290), (466, 17320), (473, 17341), (493, 17380), (497, 17392), (498, 17395), (536, 17482), (540, 17497), (552, 17536), (555, 17554),

Gene: Bonamassa_23 Start: 18648, Stop: 19661, Start Num: 98

Candidate Starts for Bonamassa_23:

(Start: 98 @18648 has 85 MA's), (138, 18744), (150, 18777), (151, 18780), (239, 18954), (279, 19014), (287, 19020), (297, 19038), (312, 19062), (333, 19104), (459, 19416), (504, 19518), (545, 19608),

Gene: Bonanza_22 Start: 15454, Stop: 16326, Start Num: 98

Candidate Starts for Bonanza_22:

(Start: 98 @15454 has 85 MA's), (116, 15493), (147, 15574), (150, 15580), (Start: 180 @15649 has 1 MA's), (224, 15727), (234, 15754), (312, 15865), (378, 15961), (465, 16090), (471, 16108), (504, 16177), (556, 16315),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 86

Candidate Starts for Bongo_27:

(Start: 86 @21457 has 21 MA's), (133, 21559), (142, 21577), (147, 21592), (182, 21664), (186, 21673), (230, 21751), (309, 21886), (310, 21889), (312, 21892), (352, 21961), (389, 22003), (392, 22009), (472, 22150), (485, 22171), (492, 22183), (547, 22306), (551, 22318),

Gene: Boohoo_29 Start: 18122, Stop: 19099, Start Num: 96

Candidate Starts for Boohoo_29:

(Start: 96 @18122 has 22 MA's), (147, 18236), (150, 18242), (151, 18245), (269, 18479), (406, 18746), (442, 18800), (504, 18956),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 72

Candidate Starts for Boopy_100:

(Start: 72 @59092 has 5 MA's), (82, 59107), (Start: 87 @59113 has 2 MA's), (93, 59119), (142, 59236), (143, 59239), (159, 59290), (181, 59326), (261, 59461), (284, 59497), (305, 59527), (444, 59779), (457, 59824), (467, 59854), (469, 59860), (483, 59887), (500, 59926), (527, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 27

Candidate Starts for BoostSeason_18:

(Start: 27 @13915 has 11 MA's), (31, 13924), (57, 14026), (116, 14116), (130, 14158), (143, 14185), (184, 14278), (186, 14284), (214, 14347), (231, 14386), (264, 14440), (316, 14518), (340, 14569), (353, 14593), (398, 14671), (423, 14689), (441, 14719), (455, 14761), (456, 14764), (501, 14878), (536, 14956), (540, 14971), (552, 15010), (555, 15028),

Gene: BourbonZero_17 Start: 16488, Stop: 17378, Start Num: 92

Candidate Starts for BourbonZero_17:

(Start: 92 @16488 has 316 MA's), (107, 16512), (125, 16557), (129, 16572), (139, 16593), (182, 16689), (186, 16698), (260, 16824), (263, 16833), (310, 16893), (312, 16896), (316, 16902), (368, 16974), (389, 17007), (394, 17019), (450, 17082), (473, 17157), (499, 17208), (514, 17250), (558, 17361), (559, 17364),

Gene: Bowtie_27 Start: 19736, Stop: 20758, Start Num: 92

Candidate Starts for Bowtie_27:

(Start: 92 @19736 has 316 MA's), (120, 19793), (147, 19868), (212, 19997), (239, 20057), (279, 20117), (287, 20123), (312, 20165), (334, 20210), (338, 20216), (368, 20300), (383, 20333), (504, 20615), (507, 20624), (512, 20639), (545, 20705),

Gene: Bradissa_19 Start: 16808, Stop: 17716, Start Num: 90

Candidate Starts for Bradissa_19:

(Start: 90 @16808 has 26 MA's), (120, 16865), (183, 17015), (185, 17018), (215, 17069), (257, 17138), (282, 17177), (313, 17225), (327, 17249), (340, 17273), (446, 17465), (458, 17492), (461, 17501), (462, 17504), (467, 17519), (486, 17561), (488, 17564), (497, 17591), (510, 17627), (514, 17639), (529, 17672), (532, 17678),

Gene: Bradman_26 Start: 18067, Stop: 19077, Start Num: 92

Candidate Starts for Bradman_26:

(Start: 92 @18067 has 316 MA's), (120, 18121), (129, 18142), (138, 18160), (163, 18235), (287, 18442), (310, 18481), (312, 18484), (334, 18529), (406, 18712), (426, 18745), (465, 18847), (504, 18934), (545, 19024),

Gene: Bradshaw_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Bradshaw_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (239, 15786), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: BrainDrainer_18 Start: 15831, Stop: 16718, Start Num: 92

Candidate Starts for BrainDrainer_18:

(Start: 92 @15831 has 316 MA's), (107, 15855), (119, 15882), (120, 15885), (125, 15900), (139, 15933), (182, 16029), (260, 16164), (263, 16173), (310, 16233), (312, 16236), (368, 16314), (379, 16329), (392, 16353), (431, 16386), (450, 16422), (456, 16446), (462, 16464), (465, 16473), (485, 16515), (497, 16542), (514, 16590), (529, 16617), (558, 16701),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 75

Candidate Starts for Brandonk123_35:

(Start: 75 @29858 has 54 MA's), (157, 30044), (160, 30056), (Start: 180 @30083 has 1 MA's), (189, 30104), (223, 30164), (279, 30254), (304, 30290), (325, 30323), (331, 30338), (338, 30350), (354, 30380), (361, 30386), (395, 30446), (438, 30536), (468, 30626), (478, 30650), (483, 30662), (509, 30728), (523, 30767), (532, 30779),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Breezona_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 86

Candidate Starts for Bricole_27:

(Start: 86 @21443 has 21 MA's), (133, 21545), (142, 21563), (147, 21578), (182, 21650), (186, 21659), (230, 21737), (309, 21872), (310, 21875), (312, 21878), (352, 21947), (389, 21989), (392, 21995), (472, 22136), (485, 22157), (492, 22169), (547, 22292), (551, 22304),

Gene: BritBrat_19 Start: 16661, Stop: 17569, Start Num: 90

Candidate Starts for BritBrat_19:

(Start: 90 @16661 has 26 MA's), (120, 16718), (174, 16853), (183, 16868), (185, 16871), (215, 16922), (282, 17030), (313, 17078), (327, 17102), (338, 17120), (340, 17126), (367, 17162), (446, 17318), (458, 17345), (462, 17357), (467, 17372), (488, 17417), (494, 17435), (497, 17444), (510, 17480), (511, 17483), (525, 17519), (529, 17525), (532, 17531),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 92

Candidate Starts for Bromden_18:

(Start: 92 @16160 has 316 MA's), (107, 16184), (119, 16211), (120, 16214), (125, 16229), (139, 16262), (182, 16358), (260, 16493), (263, 16502), (312, 16565), (368, 16643), (379, 16658), (392, 16682), (450, 16751), (456, 16775), (462, 16793), (466, 16805), (497, 16871), (514, 16919), (529, 16946), (558, 17030),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for BruceB_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 64

Candidate Starts for BrutonGaster_35:

(42, 25015), (51, 25036), (Start: 64 @25054 has 12 MA's), (102, 25102), (144, 25201), (212, 25333), (280, 25444), (316, 25498), (329, 25522), (335, 25537), (398, 25633), (441, 25681), (451, 25699), (510, 25846), (531, 25894), (532, 25897),

Gene: Bryce_22 Start: 15454, Stop: 16326, Start Num: 98

Candidate Starts for Bryce_22:

(Start: 98 @15454 has 85 MA's), (116, 15493), (147, 15574), (150, 15580), (Start: 180 @15649 has 1 MA's), (224, 15727), (234, 15754), (312, 15865), (378, 15961), (465, 16090), (471, 16108), (499, 16165), (504, 16177), (556, 16315),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 25

Candidate Starts for Bryler_21:

(Start: 25 @15211 has 231 MA's), (57, 15331), (116, 15421), (143, 15490), (231, 15691), (362, 15916), (397, 15976), (423, 15997), (455, 16069), (456, 16072), (457, 16075), (493, 16162), (501, 16186), (536, 16264), (540, 16279), (552, 16318), (555, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 53

Candidate Starts for Brylie_21:

(Start: 53 @16293 has 20 MA's), (Start: 87 @16338 has 2 MA's), (105, 16368), (151, 16476), (215, 16626), (233, 16674), (286, 16758), (292, 16767), (319, 16809), (414, 16986), (432, 17019), (449, 17055), (525, 17250), (551, 17322), (552, 17325),

Gene: Bud_27 Start: 19742, Stop: 20764, Start Num: 92

Candidate Starts for Bud_27:

(Start: 92 @19742 has 316 MA's), (120, 19799), (147, 19874), (212, 20003), (239, 20063), (279, 20123), (287, 20129), (312, 20171), (334, 20216), (338, 20222), (368, 20306), (383, 20339), (504, 20621), (507, 20630), (512, 20645), (545, 20711),

Gene: Bugsy_29 Start: 19683, Stop: 20699, Start Num: 92

Candidate Starts for Bugsy_29:

(Start: 92 @19683 has 316 MA's), (129, 19758), (138, 19776), (151, 19812), (163, 19851), (287, 20058), (310, 20097), (312, 20100), (355, 20187), (426, 20367), (465, 20469), (499, 20544), (504, 20556),

Gene: C3_25 Start: 19185, Stop: 20195, Start Num: 92

Candidate Starts for C3_25:

(Start: 92 @19185 has 316 MA's), (120, 19239), (129, 19260), (138, 19278), (219, 19449), (287, 19560), (310, 19599), (312, 19602), (334, 19647), (368, 19737), (459, 19950), (465, 19965), (499, 20040), (504, 20052), (512, 20076), (545, 20142),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for CLED96_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: CRB1_27 Start: 19176, Stop: 20186, Start Num: 92

Candidate Starts for CRB1_27:

(Start: 92 @19176 has 316 MA's), (120, 19230), (138, 19269), (163, 19344), (239, 19485), (287, 19551), (310, 19590), (312, 19593), (406, 19821), (465, 19956), (472, 19977), (499, 20031), (504, 20043), (545, 20133),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for CREW_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 89

Candidate Starts for Cafasso_18:

(6, 15190), (Start: 89 @15643 has 7 MA's), (105, 15670), (119, 15703), (156, 15805), (167, 15832), (182, 15856), (239, 15958), (260, 15991), (278, 16021), (309, 16057), (312, 16063), (317, 16072), (372, 16150), (389, 16180), (392, 16186), (397, 16201), (460, 16306), (492, 16372), (532, 16471), (549, 16504), (556, 16540),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 25

Candidate Starts for Cain_21:

(Start: 25 @15199 has 231 MA's), (57, 15319), (116, 15409), (143, 15478), (231, 15679), (362, 15904), (397, 15964), (423, 15985), (455, 16057), (456, 16060), (457, 16063), (493, 16150), (501, 16174), (536, 16252), (540, 16267), (552, 16306), (555, 16324),

Gene: Caitlin_22 Start: 17633, Stop: 18655, Start Num: 98

Candidate Starts for Caitlin_22:

(Start: 98 @17633 has 85 MA's), (147, 17756), (150, 17762), (182, 17834), (239, 17939), (254, 17966), (312, 18056), (394, 18257), (404, 18287), (406, 18290), (499, 18500), (513, 18539), (540, 18587), (545, 18602),

Gene: CallaLilly_22 Start: 15974, Stop: 17110, Start Num: 25

Candidate Starts for CallaLilly_22:

(Start: 25 @15974 has 231 MA's), (57, 16091), (116, 16181), (124, 16202), (130, 16223), (143, 16250), (264, 16505), (317, 16586), (354, 16661), (362, 16676), (441, 16787), (455, 16829), (493, 16922), (501, 16946), (540, 17039), (552, 17078), (555, 17096),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 78

Candidate Starts for Calm_17:

(Start: 78 @15861 has 9 MA's), (Start: 92 @15879 has 316 MA's), (107, 15903), (120, 15933), (125, 15948), (139, 15981), (216, 16125), (256, 16206), (310, 16281), (312, 16284), (316, 16290), (338, 16335), (368, 16362), (389, 16395), (392, 16401), (431, 16434), (439, 16443), (450, 16470), (497, 16590), (514, 16638), (549, 16704), (551, 16710), (558, 16749),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 26

Candidate Starts for Cambiare_18:

(Start: 26 @16198 has 2 MA's), (57, 16327), (74, 16345), (105, 16396), (116, 16420), (130, 16462), (131, 16465), (142, 16486), (145, 16495), (157, 16531), (176, 16567), (179, 16573), (187, 16591), (210, 16642), (290, 16777), (322, 16831), (351, 16891), (441, 17056), (455, 17098), (488, 17176), (525, 17272), (526, 17275), (550, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Camri_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Candra_30 Start: 19002, Stop: 20015, Start Num: 92

Candidate Starts for Candra_30:

(Start: 92 @19002 has 316 MA's), (120, 19056), (138, 19095), (182, 19200), (260, 19347), (287, 19377), (310, 19416), (312, 19419), (334, 19464), (357, 19524), (445, 19722), (504, 19872), (507, 19881), (545, 19962),

Gene: Caprice_46 Start: 25826, Stop: 26788, Start Num: 92

Candidate Starts for Caprice_46:

(Start: 92 @25826 has 316 MA's), (147, 25958), (155, 25982), (159, 25991), (161, 25997), (166, 26006), (182, 26030), (186, 26039), (191, 26051), (254, 26177), (302, 26258), (312, 26273), (316, 26279), (389, 26387), (465, 26513), (467, 26519), (502, 26594), (535, 26669), (537, 26675), (542, 26687), (543, 26690), (561, 26777), (562, 26780), (563, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Capricorn_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 68

Candidate Starts for CaptainKirk2_18:

(Start: 63 @15811 has 10 MA's), (Start: 68 @15817 has 23 MA's), (147, 15973), (184, 16054), (243, 16153), (317, 16261), (371, 16345), (423, 16411), (451, 16456), (492, 16546), (510, 16588),

Gene: Caraxes_26 Start: 17822, Stop: 18838, Start Num: 92

Candidate Starts for Caraxes_26:

(Start: 92 @17822 has 316 MA's), (135, 17915), (141, 17930), (151, 17957), (287, 18203), (310, 18242), (312, 18245), (334, 18290), (368, 18380), (406, 18473), (426, 18506), (465, 18608), (491, 18659), (499, 18683), (504, 18695), (512, 18719), (545, 18785),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 56

Candidate Starts for Cardigan_46:

(Start: 56 @29891 has 2 MA's), (116, 29978), (142, 30044), (147, 30059), (240, 30236), (280, 30293), (316, 30347), (329, 30371), (392, 30470), (398, 30488), (441, 30536), (451, 30554), (457, 30578), (531, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 68

Candidate Starts for CarolAnn_18:

(Start: 63 @15754 has 10 MA's), (Start: 68 @15760 has 23 MA's), (147, 15916), (184, 15997), (243, 16096), (317, 16204), (371, 16288), (423, 16354), (427, 16360), (492, 16489), (510, 16531),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for CaseJules_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Cashline_19 Start: 16485, Stop: 17393, Start Num: 90

Candidate Starts for Cashline_19:

(Start: 90 @16485 has 26 MA's), (120, 16542), (174, 16677), (183, 16692), (185, 16695), (215, 16746), (282, 16854), (327, 16926), (340, 16950), (367, 16986), (446, 17142), (458, 17169), (462, 17181), (467, 17196), (488, 17241), (494, 17259), (497, 17268), (510, 17304), (511, 17307), (525, 17343), (529, 17349), (532, 17355),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for CassieYates_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Catalina_28 Start: 20528, Stop: 21541, Start Num: 92

Candidate Starts for Catalina_28:

(Start: 92 @20528 has 316 MA's), (105, 20546), (129, 20603), (138, 20621), (151, 20657), (239, 20837), (260, 20873), (287, 20903), (312, 20945), (380, 21104), (445, 21248), (465, 21311), (499, 21386), (504, 21398), (512, 21422),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Cedasite_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Celestiallunch_27 Start: 18672, Stop: 19694, Start Num: 92

Candidate Starts for Celestiallunch_27:

(Start: 92 @18672 has 316 MA's), (129, 18747), (138, 18765), (151, 18801), (212, 18921), (239, 18981), (260, 19017), (287, 19047), (312, 19089), (377, 19239), (396, 19290), (415, 19335), (418, 19341), (445, 19401), (455, 19437), (504, 19551),

Gene: Centaur_29 Start: 19640, Stop: 20656, Start Num: 92

Candidate Starts for Centaur_29:

(Start: 92 @19640 has 316 MA's), (129, 19715), (138, 19733), (151, 19769), (163, 19808), (260, 19985), (287, 20015), (310, 20054), (312, 20057), (504, 20513), (512, 20537),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 75

Candidate Starts for ChadMasterC_34:

(Start: 75 @30723 has 54 MA's), (157, 30909), (160, 30921), (Start: 180 @30948 has 1 MA's), (189, 30969), (223, 31029), (277, 31116), (279, 31119), (304, 31155), (325, 31188), (331, 31203), (338, 31215), (354, 31245), (361, 31251), (395, 31311), (438, 31401), (468, 31491), (478, 31515), (483, 31527), (509, 31593), (523, 31632), (532, 31644),

Gene: Chadwick_24 Start: 17936, Stop: 18949, Start Num: 98

Candidate Starts for Chadwick_24:

(Start: 98 @17936 has 85 MA's), (138, 18032), (150, 18065), (151, 18068), (163, 18107), (239, 18242), (256, 18272), (279, 18302), (287, 18308), (297, 18326), (312, 18350), (333, 18392), (504, 18806), (545, 18896),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Chance64_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 25

Candidate Starts for Chancellor_23:

(Start: 25 @17500 has 231 MA's), (31, 17518), (Start: 45 @17590 has 1 MA's), (57, 17620), (116, 17710), (130, 17752), (142, 17776), (187, 17881), (264, 18034), (312, 18103), (316, 18109), (398, 18262), (423, 18280), (441, 18310), (455, 18352), (456, 18355), (540, 18562), (552, 18601), (555, 18619),

Gene: Changeling_29 Start: 21010, Stop: 22023, Start Num: 92

Candidate Starts for Changeling_29:

(Start: 92 @21010 has 316 MA's), (138, 21103), (151, 21139), (163, 21178), (287, 21385), (310, 21424), (312, 21427), (334, 21472), (406, 21658), (426, 21691), (445, 21730), (504, 21880),

Gene: Chargerpower_27 Start: 18273, Stop: 19295, Start Num: 92

Candidate Starts for Chargerpower_27:

(Start: 92 @18273 has 316 MA's), (105, 18291), (138, 18366), (151, 18402), (163, 18441), (212, 18522), (239, 18582), (287, 18648), (312, 18690), (398, 18900), (415, 18936), (504, 19152), (507, 19161), (545, 19242),

Gene: Charm_27 Start: 18681, Stop: 19703, Start Num: 92

Candidate Starts for Charm_27:

(Start: 92 @18681 has 316 MA's), (105, 18699), (120, 18735), (138, 18774), (239, 18990), (260, 19026), (287, 19056), (312, 19098), (334, 19143), (377, 19248), (402, 19320), (415, 19344), (418, 19350), (499, 19548), (504, 19560), (507, 19569), (512, 19584), (545, 19650),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 75

Candidate Starts for Charming_34:

(Start: 75 @29358 has 54 MA's), (157, 29544), (160, 29556), (Start: 180 @29583 has 1 MA's), (189, 29604), (223, 29664), (279, 29754), (304, 29790), (325, 29823), (331, 29838), (338, 29850), (354, 29880), (361, 29886), (395, 29946), (438, 30036), (468, 30126), (478, 30150), (483, 30162), (509, 30228), (514, 30243), (523, 30267), (532, 30279), (543, 30309),

Gene: Chartreuse_30 Start: 18913, Stop: 19926, Start Num: 92

Candidate Starts for Chartreuse_30:

(Start: 92 @18913 has 316 MA's), (120, 18967), (138, 19006), (182, 19111), (260, 19258), (287, 19288), (310, 19327), (312, 19330), (334, 19375), (357, 19435), (445, 19633), (504, 19783), (507, 19792),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 92

Candidate Starts for Chaser_17:

(Start: 92 @15760 has 316 MA's), (107, 15784), (119, 15811), (120, 15814), (125, 15829), (139, 15862), (182, 15958), (260, 16093), (263, 16102), (310, 16162), (312, 16165), (368, 16243), (379, 16258), (392, 16282), (439, 16324), (450, 16351), (456, 16375), (462, 16393), (485, 16444), (497, 16471), (514, 16519), (529, 16546), (558, 16630),

Gene: Chavito_22 Start: 15385, Stop: 16524, Start Num: 25

Candidate Starts for Chavito_22:

(Start: 25 @15385 has 231 MA's), (57, 15505), (116, 15595), (143, 15664), (186, 15763), (187, 15766), (231, 15865), (264, 15919), (317, 16000), (354, 16075), (362, 16090), (441, 16201), (455, 16243), (473, 16297), (493, 16336), (501, 16360), (526, 16420), (536, 16438), (540, 16453), (552, 16492), (555, 16510),

Gene: Che12_29 Start: 18081, Stop: 19091, Start Num: 92

Candidate Starts for Che12_29:

(Start: 92 @18081 has 316 MA's), (138, 18174), (151, 18210), (262, 18432), (287, 18456), (310, 18495), (312, 18498), (368, 18633), (406, 18726), (504, 18948), (512, 18972), (545, 19038),

Gene: CheeseSpider_21 Start: 16153, Stop: 17019, Start Num: 63

Candidate Starts for CheeseSpider_21:

(Start: 63 @16153 has 10 MA's), (Start: 68 @16159 has 23 MA's), (147, 16315), (151, 16324), (184, 16396), (243, 16495), (317, 16603), (371, 16687), (423, 16753), (492, 16888), (510, 16930),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 25

Candidate Starts for CheetoDust_22:

(Start: 25 @16028 has 231 MA's), (57, 16145), (116, 16235), (124, 16256), (130, 16277), (143, 16304), (264, 16559), (317, 16640), (354, 16715), (362, 16730), (441, 16841), (455, 16883), (493, 16976), (501, 17000), (540, 17093), (552, 17132), (555, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 25

Candidate Starts for Cheetobro_23:

(Start: 25 @17497 has 231 MA's), (31, 17515), (Start: 45 @17587 has 1 MA's), (57, 17617), (116, 17707), (130, 17749), (142, 17773), (187, 17878), (264, 18031), (312, 18100), (316, 18106), (398, 18259), (423, 18277), (441, 18307), (455, 18349), (456, 18352), (540, 18559), (552, 18598), (555, 18616),

Gene: CherryCola_33 Start: 25854, Stop: 26798, Start Num: 79

Candidate Starts for CherryCola_33:

(Start: 79 @25854 has 33 MA's), (129, 25959), (155, 26028), (157, 26034), (168, 26058), (Start: 180 @26073 has 1 MA's), (395, 26433), (399, 26448), (412, 26466), (454, 26568), (468, 26610), (483, 26646), (519, 26742), (543, 26793),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Cherrybomb426_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 59

Candidate Starts for Chickadee_31:

(Start: 59 @26548 has 25 MA's), (73, 26560), (93, 26587), (118, 26635), (119, 26638), (138, 26689), (168, 26767), (221, 26863), (263, 26935), (343, 27064), (366, 27097), (386, 27133), (468, 27319), (483, 27349), (496, 27376), (509, 27412), (521, 27445), (551, 27514),

Gene: ChipMunk_29 Start: 19587, Stop: 20603, Start Num: 92

Candidate Starts for ChipMunk_29:

(Start: 92 @19587 has 316 MA's), (129, 19662), (138, 19680), (151, 19716), (163, 19755), (287, 19962), (310, 20001), (312, 20004), (355, 20091), (426, 20271), (465, 20373), (499, 20448), (504, 20460),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 53

Candidate Starts for Chop_21:

(Start: 53 @16827 has 20 MA's), (Start: 87 @16872 has 2 MA's), (105, 16902), (151, 17010), (215, 17160), (233, 17208), (286, 17292), (292, 17301), (319, 17343), (414, 17520), (449, 17589), (511, 17751), (525, 17784), (551, 17856), (552, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 25

Candidate Starts for Chris_21:

(Start: 25 @15243 has 231 MA's), (57, 15360), (74, 15378), (124, 15471), (143, 15519), (231, 15720), (296, 15819), (309, 15840), (353, 15927), (362, 15945), (398, 16008), (427, 16032), (441, 16056), (455, 16098), (456, 16101), (473, 16152), (493, 16191), (540, 16308), (548, 16335), (552, 16347), (555, 16365),

Gene: ChutneyChips_16 Start: 15804, Stop: 16640, Start Num: 119

Candidate Starts for ChutneyChips_16:

(Start: 92 @15753 has 316 MA's), (107, 15777), (119, 15804), (120, 15807), (125, 15822), (139, 15855), (182, 15951), (260, 16086), (263, 16095), (310, 16155), (312, 16158), (368, 16236), (379, 16251), (392, 16275), (431, 16308), (450, 16344), (456, 16368), (462, 16386), (485, 16437), (497, 16464), (514, 16512), (529, 16539), (558, 16623),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 78

Candidate Starts for CicholasNage_17:

(Start: 78 @15849 has 9 MA's), (Start: 92 @15867 has 316 MA's), (107, 15891), (120, 15921), (125, 15936), (139, 15969), (216, 16113), (256, 16194), (310, 16269), (312, 16272), (316, 16278), (338, 16323), (368, 16350), (389, 16383), (392, 16389), (431, 16422), (439, 16431), (450, 16458), (497, 16578), (514, 16626), (549, 16692), (551, 16698), (558, 16737),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 79

Candidate Starts for ClamChowder_32:

(Start: 79 @25634 has 33 MA's), (129, 25739), (155, 25808), (157, 25814), (168, 25838), (Start: 180 @25853 has 1 MA's), (395, 26213), (399, 26228), (412, 26246), (454, 26348), (468, 26390), (483, 26426), (519, 26522), (543, 26573),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 92

Candidate Starts for Clarkson_50:

(Start: 92 @26438 has 316 MA's), (147, 26570), (155, 26594), (159, 26603), (161, 26609), (166, 26618), (182, 26642), (186, 26651), (191, 26663), (196, 26675), (254, 26789), (302, 26870), (312, 26885), (316, 26891), (389, 26999), (465, 27125), (467, 27131), (502, 27206), (535, 27281), (537, 27287), (542, 27299), (543, 27302), (561, 27389), (562, 27392), (563, 27395),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 92

Candidate Starts for Claus_17:

(Start: 92 @16055 has 316 MA's), (107, 16079), (120, 16109), (151, 16190), (170, 16235), (309, 16460), (310, 16463), (312, 16466), (328, 16496), (377, 16553), (392, 16583), (450, 16652), (454, 16670), (485, 16745), (492, 16757), (514, 16820), (529, 16847), (551, 16910), (558, 16949), (560, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for Clautastrophe_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (466, 17138), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: Clipper_22 Start: 16028, Stop: 17164, Start Num: 25

Candidate Starts for Clipper_22:

(Start: 25 @16028 has 231 MA's), (57, 16145), (116, 16235), (124, 16256), (130, 16277), (143, 16304), (264, 16559), (317, 16640), (354, 16715), (362, 16730), (441, 16841), (455, 16883), (493, 16976), (501, 17000), (540, 17093), (552, 17132), (555, 17150),

Gene: CloudWang3_30 Start: 18960, Stop: 19976, Start Num: 92

Candidate Starts for CloudWang3_30:

(Start: 92 @18960 has 316 MA's), (105, 18978), (120, 19014), (138, 19053), (182, 19158), (287, 19335), (310, 19374), (312, 19377), (355, 19464), (357, 19485), (406, 19611), (445, 19683), (504, 19833), (507, 19842), (545, 19923),

Gene: Cloudyecho_17 Start: 15656, Stop: 16834, Start Num: 25

Candidate Starts for Cloudyecho_17:

(3, 15257), (4, 15317), (Start: 25 @15656 has 231 MA's), (74, 15800), (105, 15851), (130, 15917), (131, 15920), (145, 15950), (176, 16022), (205, 16091), (210, 16097), (290, 16232), (322, 16286), (351, 16346), (409, 16454), (441, 16511), (455, 16553), (525, 16727), (526, 16730), (540, 16763), (550, 16796),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 79

Candidate Starts for Clown_34:

(Start: 79 @27669 has 33 MA's), (Start: 86 @27678 has 21 MA's), (118, 27726), (129, 27765), (147, 27810), (157, 27840), (168, 27864), (Start: 180 @27879 has 1 MA's), (211, 27936), (279, 28053), (281, 28056), (395, 28236), (454, 28371), (466, 28407), (468, 28413), (483, 28449), (507, 28509), (509, 28515), (512, 28524), (519, 28545),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 64

Candidate Starts for ClubL_47:

(Start: 64 @28631 has 12 MA's), (102, 28679), (116, 28706), (144, 28778), (169, 28844), (186, 28874), (251, 28982), (316, 29075), (329, 29099), (335, 29114), (398, 29210), (441, 29258), (515, 29438), (532, 29474),

Gene: CogOmlette_25 Start: 18587, Stop: 19609, Start Num: 92

Candidate Starts for CogOmlette_25:

(Start: 92 @18587 has 316 MA's), (105, 18605), (120, 18641), (129, 18662), (138, 18680), (182, 18785), (260, 18932), (287, 18962), (312, 19004), (357, 19109), (377, 19154), (393, 19199), (415, 19250), (418, 19256), (421, 19265), (465, 19379), (491, 19430), (499, 19454), (504, 19466), (545, 19556),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 25

Candidate Starts for Coleslaw_17:

(4, 15135), (Start: 25 @15468 has 231 MA's), (57, 15588), (74, 15606), (104, 15651), (105, 15657), (129, 15720), (145, 15756), (173, 15825), (176, 15828), (186, 15849), (210, 15903), (231, 15948), (252, 15978), (316, 16080), (322, 16092), (328, 16104), (336, 16122), (423, 16287), (441, 16317), (449, 16335), (455, 16359), (502, 16479), (540, 16569), (550, 16602),

Gene: Colin_31 Start: 20885, Stop: 21898, Start Num: 92

Candidate Starts for Colin_31:

(Start: 92 @20885 has 316 MA's), (105, 20903), (129, 20960), (138, 20978), (151, 21014), (163, 21053), (287, 21260), (310, 21299), (312, 21302), (334, 21347), (357, 21407), (368, 21440), (404, 21530), (406, 21533), (426, 21566), (504, 21755), (507, 21764),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 29

Candidate Starts for Collard_20:

(Start: 29 @16380 has 23 MA's), (104, 16554), (129, 16620), (130, 16623), (143, 16650), (186, 16749), (231, 16851), (264, 16905), (287, 16935), (309, 16971), (310, 16974), (316, 16983), (353, 17058), (354, 17061), (379, 17097), (398, 17139), (423, 17157), (427, 17163), (441, 17187), (443, 17190), (455, 17229), (540, 17439), (552, 17478), (555, 17496),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 83

Candidate Starts for Colleen_18:

(Start: 83 @16550 has 11 MA's), (Start: 85 @16553 has 1 MA's), (125, 16637), (182, 16775), (377, 17063),

Gene: Colossa_19 Start: 15551, Stop: 16441, Start Num: 89

Candidate Starts for Colossa_19:

(Start: 89 @15551 has 7 MA's), (101, 15569), (120, 15611), (125, 15626), (140, 15668), (182, 15761), (252, 15881), (260, 15896), (278, 15926), (309, 15962), (317, 15977), (389, 16085), (392, 16091), (400, 16115), (492, 16265), (532, 16361), (554, 16421),

Gene: Confidence_19 Start: 16655, Stop: 17563, Start Num: 90

Candidate Starts for Confidence_19:

(Start: 90 @16655 has 26 MA's), (120, 16712), (174, 16847), (183, 16862), (185, 16865), (215, 16916), (282, 17024), (313, 17072), (327, 17096), (338, 17114), (340, 17120), (367, 17156), (446, 17312), (458, 17339), (462, 17351), (467, 17366), (488, 17411), (497, 17438), (510, 17474), (511, 17477), (525, 17513), (529, 17519), (532, 17525),

Gene: Conquerage_28 Start: 20557, Stop: 21570, Start Num: 92

Candidate Starts for Conquerage_28:

(Start: 92 @20557 has 316 MA's), (105, 20575), (129, 20632), (138, 20650), (151, 20686), (239, 20866), (260, 20902), (287, 20932), (312, 20974), (380, 21133), (445, 21277), (465, 21340), (499, 21415), (504, 21427), (512, 21451),

Gene: Conspiracy_23 Start: 18474, Stop: 19487, Start Num: 98

Candidate Starts for Conspiracy_23:

(Start: 98 @18474 has 85 MA's), (138, 18570), (150, 18603), (151, 18606), (163, 18645), (189, 18693), (287, 18846), (297, 18864), (312, 18888), (333, 18930), (459, 19242), (504, 19344), (513, 19371),

Gene: Coog_23 Start: 18617, Stop: 19630, Start Num: 98

Candidate Starts for Coog_23:

(Start: 98 @18617 has 85 MA's), (138, 18713), (150, 18746), (151, 18749), (163, 18788), (239, 18923), (279, 18983), (287, 18989), (297, 19007), (312, 19031), (333, 19073), (459, 19385), (504, 19487), (513, 19514), (545, 19577),

Gene: Cookiedough_30 Start: 18959, Stop: 19972, Start Num: 92

Candidate Starts for Cookiedough_30:

(Start: 92 @18959 has 316 MA's), (120, 19013), (138, 19052), (182, 19157), (260, 19304), (287, 19334), (310, 19373), (312, 19376), (334, 19421), (357, 19481), (445, 19679), (504, 19829), (507, 19838),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 92

Candidate Starts for Corazon_47:

(Start: 92 @26391 has 316 MA's), (147, 26523), (155, 26547), (159, 26556), (161, 26562), (166, 26571), (182, 26595), (186, 26604), (191, 26616), (196, 26628), (254, 26742), (302, 26823), (312, 26838), (316, 26844), (389, 26952), (465, 27078), (467, 27084), (502, 27159), (535, 27234), (537, 27240), (542, 27252), (543, 27255), (561, 27342), (562, 27345), (563, 27348),

Gene: CosmicSans_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for CosmicSans_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (239, 15786), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: CoveyB_32 Start: 25434, Stop: 26378, Start Num: 79

Candidate Starts for CoveyB_32:

(Start: 79 @25434 has 33 MA's), (129, 25539), (155, 25608), (157, 25614), (168, 25638), (Start: 180 @25653 has 1 MA's), (395, 26013), (399, 26028), (412, 26046), (454, 26148), (468, 26190), (483, 26226), (519, 26322), (543, 26373),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 41

Candidate Starts for Cracklewink_23:

(Start: 41 @18745 has 6 MA's), (Start: 85 @18811 has 1 MA's), (93, 18820), (124, 18883), (129, 18901), (131, 18907), (186, 19030), (200, 19057), (201, 19060), (214, 19081), (274, 19183), (280, 19192), (296, 19219), (336, 19294), (374, 19336), (389, 19363), (441, 19432), (443, 19435), (457, 19477), (473, 19525), (478, 19534), (497, 19576), (502, 19588), (529, 19645), (552, 19714),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 25

Candidate Starts for Crespo_17:

(4, 15145), (Start: 25 @15478 has 231 MA's), (57, 15598), (74, 15616), (104, 15661), (105, 15667), (129, 15730), (145, 15766), (173, 15835), (176, 15838), (186, 15859), (210, 15913), (231, 15958), (252, 15988), (316, 16090), (322, 16102), (328, 16114), (336, 16132), (423, 16297), (441, 16327), (449, 16345), (455, 16369), (502, 16489), (540, 16579), (550, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 25

Candidate Starts for CrimD_22:

(Start: 25 @15989 has 231 MA's), (57, 16106), (116, 16196), (124, 16217), (130, 16238), (143, 16265), (264, 16520), (317, 16601), (354, 16676), (362, 16691), (441, 16802), (455, 16844), (493, 16937), (501, 16961), (540, 17054), (552, 17093), (555, 17111),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Crossroads_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Crucio_27 Start: 19105, Stop: 20121, Start Num: 92

Candidate Starts for Crucio_27:

(Start: 92 @19105 has 316 MA's), (129, 19180), (138, 19198), (151, 19234), (163, 19273), (287, 19480), (310, 19519), (312, 19522), (426, 19789), (465, 19891), (499, 19966), (504, 19978), (545, 20068),

Gene: Cuco_23 Start: 18647, Stop: 19660, Start Num: 98

Candidate Starts for Cuco_23:

(Start: 98 @18647 has 85 MA's), (138, 18743), (150, 18776), (151, 18779), (163, 18818), (239, 18953), (279, 19013), (287, 19019), (297, 19037), (312, 19061), (333, 19103), (459, 19415), (504, 19517), (545, 19607),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 64

Candidate Starts for Cucurbita_49:

(Start: 64 @30001 has 12 MA's), (102, 30049), (116, 30076), (144, 30148), (169, 30214), (186, 30244), (251, 30352), (316, 30445), (329, 30469), (335, 30484), (398, 30580), (441, 30628), (515, 30808), (532, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 60

Candidate Starts for Culver_47:

(Start: 60 @28434 has 10 MA's), (Start: 64 @28440 has 12 MA's), (102, 28488), (116, 28515), (144, 28587), (169, 28653), (186, 28683), (251, 28791), (316, 28884), (329, 28908), (335, 28923), (398, 29019), (441, 29067), (515, 29247), (532, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 25

Candidate Starts for Curiosium_23:

(Start: 25 @15737 has 231 MA's), (57, 15854), (124, 15965), (143, 16013), (264, 16268), (271, 16274), (317, 16349), (362, 16439), (441, 16550), (455, 16592), (493, 16685), (501, 16709), (540, 16802), (552, 16841), (555, 16859),

Gene: D29_27 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for D29_27:

(Start: 92 @19042 has 316 MA's), (120, 19096), (129, 19117), (138, 19135), (219, 19306), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: D32_30 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for D32_30:

(Start: 92 @19042 has 316 MA's), (120, 19096), (129, 19117), (138, 19135), (219, 19306), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: DBQu4n_30 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for DBQu4n_30:

(Start: 92 @19042 has 316 MA's), (129, 19117), (138, 19135), (219, 19306), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: DHan_17 Start: 15991, Stop: 16905, Start Num: 92

Candidate Starts for DHan_17:

(Start: 92 @15991 has 316 MA's), (107, 16015), (120, 16045), (151, 16126), (170, 16171), (309, 16396), (310, 16399), (312, 16402), (328, 16432), (377, 16489), (392, 16519), (450, 16588), (454, 16606), (485, 16681), (492, 16693), (514, 16756), (529, 16783), (551, 16846), (558, 16885), (560, 16897),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for DMoney_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: DNAIII_0017 Start: 15486, Stop: 16658, Start Num: 25

Candidate Starts for DNAIII_0017:

(4, 15153), (Start: 25 @15486 has 231 MA's), (57, 15606), (74, 15624), (104, 15669), (105, 15675), (129, 15738), (145, 15774), (173, 15843), (176, 15846), (186, 15867), (210, 15921), (231, 15966), (252, 15996), (316, 16098), (322, 16110), (328, 16122), (336, 16140), (423, 16305), (441, 16335), (449, 16353), (455, 16377), (502, 16497), (540, 16587), (550, 16620),

Gene: DaVinci_30 Start: 18967, Stop: 19980, Start Num: 92

Candidate Starts for DaVinci_30:

(Start: 92 @18967 has 316 MA's), (120, 19021), (138, 19060), (182, 19165), (260, 19312), (287, 19342), (310, 19381), (312, 19384), (334, 19429), (357, 19489), (445, 19687), (504, 19837), (507, 19846),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 29

Candidate Starts for Dadosky_20:

(Start: 29 @16302 has 23 MA's), (104, 16476), (129, 16542), (143, 16572), (186, 16671), (231, 16773), (264, 16827), (287, 16857), (309, 16893), (310, 16896), (316, 16905), (353, 16980), (354, 16983), (369, 17004), (379, 17019), (398, 17061), (423, 17079), (427, 17085), (441, 17109), (443, 17112), (455, 17151), (496, 17253), (540, 17361), (552, 17400), (555, 17418),

Gene: Daegal_22 Start: 16606, Stop: 17700, Start Num: 49

Candidate Starts for Daegal_22:

(Start: 49 @16606 has 23 MA's), (Start: 52 @16615 has 1 MA's), (114, 16711), (120, 16720), (122, 16729), (143, 16780), (145, 16786), (188, 16882), (195, 16900), (221, 16969), (226, 16978), (233, 16999), (238, 17005), (243, 17011), (245, 17014), (286, 17086), (289, 17089), (377, 17245), (401, 17296), (408, 17314), (444, 17386), (451, 17404), (480, 17488), (493, 17515), (494, 17518), (509, 17554), (515, 17572), (536, 17614), (540, 17629), (542, 17632), (550, 17662), (552, 17668),

Gene: Dalmatian_27 Start: 19252, Stop: 20268, Start Num: 92

Candidate Starts for Dalmatian_27:

(Start: 92 @19252 has 316 MA's), (129, 19327), (138, 19345), (151, 19381), (163, 19420), (287, 19627), (310, 19666), (312, 19669), (426, 19936), (465, 20038), (499, 20113), (504, 20125), (545, 20215), (547, 20218),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Dalmuri_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: DanBing_16 Start: 15895, Stop: 16809, Start Num: 92

Candidate Starts for DanBing_16:

(Start: 92 @15895 has 316 MA's), (107, 15919), (120, 15949), (151, 16030), (170, 16075), (309, 16300), (310, 16303), (312, 16306), (328, 16336), (377, 16393), (392, 16423), (450, 16492), (454, 16510), (485, 16585), (492, 16597), (514, 16660), (529, 16687), (551, 16750), (558, 16789), (560, 16801),

Gene: DanSyl44_24 Start: 17503, Stop: 18636, Start Num: 25

Candidate Starts for DanSyl44_24:

(Start: 25 @17503 has 231 MA's), (31, 17521), (Start: 45 @17593 has 1 MA's), (57, 17623), (116, 17713), (130, 17755), (142, 17779), (187, 17884), (264, 18037), (312, 18106), (316, 18112), (398, 18265), (423, 18283), (441, 18313), (455, 18355), (456, 18358), (536, 18550), (540, 18565), (552, 18604), (555, 18622),

Gene: Danforth_22 Start: 17615, Stop: 18637, Start Num: 98

Candidate Starts for Danforth_22:

(Start: 98 @17615 has 85 MA's), (147, 17738), (150, 17744), (182, 17816), (239, 17921), (254, 17948), (312, 18038), (394, 18239), (404, 18269), (406, 18272), (499, 18482), (513, 18521), (540, 18569), (545, 18584),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 79

Candidate Starts for Danyall_32:

(Start: 79 @25434 has 33 MA's), (129, 25539), (155, 25608), (157, 25614), (168, 25638), (Start: 180 @25653 has 1 MA's), (395, 26013), (399, 26028), (412, 26046), (454, 26148), (468, 26190), (483, 26226), (519, 26322), (543, 26373),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 60

Candidate Starts for Daredevil_28:

(Start: 60 @24544 has 10 MA's), (116, 24619), (141, 24682), (144, 24691), (147, 24700), (210, 24820), (243, 24880), (316, 24988), (398, 25123), (441, 25171), (468, 25246), (492, 25294), (512, 25342), (515, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Darionha_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Darrell_29 Start: 20724, Stop: 21746, Start Num: 92

Candidate Starts for Darrell_29:

(Start: 92 @20724 has 316 MA's), (105, 20742), (116, 20769), (129, 20799), (138, 20817), (239, 21033), (260, 21069), (287, 21099), (312, 21141), (377, 21291), (380, 21300), (415, 21387), (445, 21453), (499, 21591), (504, 21603), (507, 21612), (512, 21627),

Gene: DartGoblin_22 Start: 15944, Stop: 17080, Start Num: 25

Candidate Starts for DartGoblin_22:

(Start: 25 @15944 has 231 MA's), (57, 16061), (116, 16151), (124, 16172), (130, 16193), (143, 16220), (231, 16421), (264, 16475), (317, 16556), (354, 16631), (362, 16646), (455, 16799), (493, 16892), (501, 16916), (540, 17009), (552, 17048), (555, 17066),

Gene: DarthP_21 Start: 16442, Stop: 17578, Start Num: 25

Candidate Starts for DarthP_21:

(Start: 25 @16442 has 231 MA's), (57, 16559), (74, 16577), (97, 16610), (116, 16649), (143, 16718), (186, 16817), (188, 16823), (231, 16919), (264, 16973), (309, 17039), (316, 17051), (398, 17207), (427, 17231), (455, 17297), (456, 17300), (457, 17303), (493, 17390), (540, 17507), (552, 17546), (555, 17564),

Gene: DarthPhader_28 Start: 20722, Stop: 21738, Start Num: 92

Candidate Starts for DarthPhader_28:

(Start: 92 @20722 has 316 MA's), (129, 20797), (138, 20815), (151, 20851), (163, 20890), (287, 21097), (310, 21136), (312, 21139), (368, 21280), (398, 21352), (504, 21595),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 25

Candidate Starts for Dartin_22:

(Start: 25 @15375 has 231 MA's), (57, 15495), (116, 15585), (143, 15654), (186, 15753), (187, 15756), (231, 15855), (264, 15909), (317, 15990), (354, 16065), (362, 16080), (427, 16167), (441, 16191), (455, 16233), (456, 16236), (473, 16287), (493, 16326), (526, 16410), (536, 16428), (540, 16443), (552, 16482), (555, 16500),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 60

Candidate Starts for DatBoi_30:

(Start: 60 @26971 has 10 MA's), (Start: 83 @26992 has 11 MA's), (116, 27046), (210, 27247), (235, 27298), (243, 27307), (264, 27343), (316, 27415), (319, 27421), (398, 27550), (441, 27598), (468, 27673), (492, 27721),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 25

Candidate Starts for Deby_22:

(Start: 25 @15985 has 231 MA's), (57, 16102), (116, 16192), (124, 16213), (130, 16234), (143, 16261), (264, 16516), (317, 16597), (354, 16672), (362, 16687), (441, 16798), (455, 16840), (493, 16933), (501, 16957), (540, 17050), (552, 17089), (555, 17107),

Gene: DeepSoil15_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for DeepSoil15_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401,

17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: DeerParkTS_28 Start: 19239, Stop: 20249, Start Num: 92

Candidate Starts for DeerParkTS_28:

(Start: 92 @19239 has 316 MA's), (129, 19314), (138, 19332), (151, 19368), (163, 19407), (173, 19422), (287, 19614), (310, 19653), (312, 19656), (465, 20019), (499, 20094), (504, 20106), (545, 20196),

Gene: DekHockey33_29 Start: 18241, Stop: 19218, Start Num: 96

Candidate Starts for DekHockey33_29:

(Start: 96 @18241 has 22 MA's), (147, 18355), (150, 18361), (151, 18364), (269, 18598), (406, 18865), (442, 18919), (504, 19075),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 53

Candidate Starts for DelRio_22:

(Start: 53 @17301 has 20 MA's), (Start: 87 @17346 has 2 MA's), (105, 17376), (151, 17484), (215, 17634), (233, 17682), (286, 17766), (292, 17775), (319, 17817), (414, 17994), (449, 18063), (525, 18258), (551, 18330), (552, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 68

Candidate Starts for Delian_18:

(Start: 63 @15811 has 10 MA's), (Start: 68 @15817 has 23 MA's), (147, 15973), (184, 16054), (243, 16153), (317, 16261), (371, 16345), (423, 16411), (451, 16456), (492, 16546), (510, 16588),

Gene: Deloris_28 Start: 19613, Stop: 20623, Start Num: 92

Candidate Starts for Deloris_28:

(Start: 92 @19613 has 316 MA's), (138, 19706), (151, 19742), (163, 19781), (287, 19988), (310, 20027), (312, 20030), (406, 20258), (426, 20291), (465, 20393), (472, 20414), (499, 20468), (504, 20480), (545, 20570),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 59

Candidate Starts for Delrey21_33:

(Start: 59 @29967 has 25 MA's), (118, 30054), (129, 30090), (145, 30126), (221, 30282), (223, 30285), (263, 30354), (308, 30417), (314, 30426), (366, 30516), (385, 30549), (386, 30552), (457, 30705), (471, 30747), (483, 30768), (496, 30795), (503, 30816), (507, 30825), (509, 30831), (521, 30864), (522, 30867), (544, 30912), (546, 30921), (551, 30933),

Gene: DelvinSonDorr_29 Start: 18959, Stop: 19972, Start Num: 92

Candidate Starts for DelvinSonDorr_29:

(Start: 92 @18959 has 316 MA's), (120, 19013), (138, 19052), (182, 19157), (260, 19304), (287, 19334), (310, 19373), (312, 19376), (334, 19421), (357, 19481), (445, 19679), (504, 19829), (507, 19838),

Gene: Derg_29 Start: 28515, Stop: 29471, Start Num: 75

Candidate Starts for Derg_29:

(Start: 75 @28515 has 54 MA's), (147, 28671), (157, 28701), (160, 28713), (162, 28716), (168, 28725), (Start: 180 @28740 has 1 MA's), (186, 28752), (279, 28911), (304, 28947), (338, 29007), (361, 29043), (395, 29103), (438, 29193), (468, 29283), (478, 29307), (483, 29319), (509, 29385), (514, 29400), (523, 29424), (532, 29436),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 25

Candidate Starts for Devera_22:

(Start: 25 @16032 has 231 MA's), (57, 16149), (124, 16260), (130, 16281), (143, 16308), (187, 16410), (264, 16563), (317, 16644), (343, 16698), (354, 16719), (362, 16734), (441, 16845), (455, 16887), (493, 16980), (501, 17004), (540, 17097), (552, 17136), (555, 17154),

Gene: Dewey_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Dewey_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Dexdert_32 Start: 26991, Stop: 27968, Start Num: 59

Candidate Starts for Dexdert_32:

(Start: 59 @26991 has 25 MA's), (73, 27003), (93, 27030), (118, 27078), (119, 27081), (138, 27132), (168, 27210), (221, 27306), (244, 27339), (263, 27378), (343, 27507), (366, 27540), (386, 27576), (468, 27762), (483, 27792), (496, 27819), (509, 27855), (521, 27888), (551, 27957),

Gene: Dignity_29 Start: 19628, Stop: 20644, Start Num: 92

Candidate Starts for Dignity_29:

(Start: 92 @19628 has 316 MA's), (129, 19703), (138, 19721), (151, 19757), (163, 19796), (287, 20003), (310, 20042), (312, 20045), (355, 20132), (426, 20312), (465, 20414), (499, 20489), (504, 20501),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 86

Candidate Starts for Diminimus_28:

(Start: 86 @21456 has 21 MA's), (133, 21558), (142, 21576), (147, 21591), (182, 21663), (186, 21672), (230, 21750), (309, 21885), (310, 21888), (312, 21891), (352, 21960), (389, 22002), (392, 22008), (472, 22149), (485, 22170), (492, 22182), (547, 22305), (551, 22317),

Gene: DingDing_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for DingDing_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Dinger_22 Start: 15450, Stop: 16322, Start Num: 98

Candidate Starts for Dinger_22:

(Start: 98 @15450 has 85 MA's), (116, 15489), (150, 15576), (Start: 180 @15645 has 1 MA's), (224, 15723), (312, 15861), (465, 16086), (471, 16104), (504, 16173), (556, 16311),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 92

Candidate Starts for DirkDirk_17:

(55, 15804), (58, 15807), (Start: 78 @15840 has 9 MA's), (Start: 92 @15858 has 316 MA's), (107, 15882), (120, 15912), (125, 15927), (139, 15960), (216, 16104), (256, 16185), (310, 16260), (312, 16263), (316, 16269), (338, 16314), (368, 16341), (389, 16374), (392, 16380), (431, 16413), (439, 16422), (450, 16449), (497, 16569), (514, 16617), (529, 16644), (549, 16683), (551, 16689), (558, 16728),

Gene: Discoknowium_23 Start: 18763, Stop: 19776, Start Num: 98

Candidate Starts for Discoknowium_23:

(Start: 98 @18763 has 85 MA's), (138, 18859), (150, 18892), (151, 18895), (163, 18934), (189, 18982), (287, 19135), (297, 19153), (312, 19177), (333, 19219), (459, 19531), (504, 19633), (513, 19660), (545, 19723),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 27

Candidate Starts for DismalFunk_18:

(Start: 27 @13889 has 11 MA's), (31, 13898), (57, 14000), (116, 14090), (130, 14132), (131, 14135), (143, 14159), (186, 14258), (214, 14321), (231, 14360), (264, 14414), (309, 14480), (316, 14492), (340, 14543), (353, 14567), (398, 14645), (423, 14663), (441, 14693), (446, 14702), (455, 14735), (456, 14738), (501, 14852), (536, 14930), (540, 14945), (552, 14984), (555, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 27

Candidate Starts for DismalStressor_18:

(Start: 27 @13889 has 11 MA's), (31, 13898), (57, 14000), (116, 14090), (130, 14132), (131, 14135), (143, 14159), (186, 14258), (214, 14321), (231, 14360), (264, 14414), (309, 14480), (316, 14492), (340, 14543), (353, 14567), (398, 14645), (423, 14663), (441, 14693), (446, 14702), (455, 14735), (456, 14738), (501, 14852), (536, 14930), (540, 14945), (552, 14984), (555, 15002),

Gene: Dixon_23 Start: 17634, Stop: 18656, Start Num: 98

Candidate Starts for Dixon_23:

(Start: 98 @17634 has 85 MA's), (147, 17757), (150, 17763), (182, 17835), (239, 17940), (254, 17967), (312, 18057), (394, 18258), (404, 18288), (406, 18291), (499, 18501), (513, 18540), (540, 18588), (545, 18603),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 59

Candidate Starts for DoctorFroggo_33:

(Start: 59 @29967 has 25 MA's), (118, 30054), (129, 30090), (145, 30126), (221, 30282), (223, 30285), (263, 30354), (308, 30417), (314, 30426), (366, 30516), (385, 30549), (386, 30552), (457, 30705), (471, 30747), (483, 30768), (496, 30795), (503, 30816), (507, 30825), (509, 30831), (521, 30864), (522, 30867), (544, 30912), (546, 30921), (551, 30933),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 63

Candidate Starts for Dogfish_20:

(12, 17051), (Start: 63 @17321 has 10 MA's), (Start: 68 @17327 has 23 MA's), (97, 17363), (99, 17366), (164, 17528), (167, 17534), (177, 17549), (184, 17561), (240, 17657), (243, 17660), (249, 17669), (256, 17681), (264, 17696), (345, 17825), (425, 17921), (438, 17945), (451, 17966), (456, 17987), (466, 18017), (489, 18053), (511, 18107),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 25

Candidate Starts for Dole_22:

(Start: 25 @16034 has 231 MA's), (57, 16151), (124, 16262), (130, 16283), (143, 16310), (187, 16412), (264, 16565), (317, 16646), (343, 16700), (354, 16721), (362, 16736), (441, 16847), (455, 16889), (493, 16982), (501, 17006), (540, 17099), (552, 17138), (555, 17156),

Gene: DonkeyMan_17 Start: 14102, Stop: 14944, Start Num: 94

Candidate Starts for DonkeyMan_17:

(7, 13646), (11, 13724), (28, 13922), (69, 14063), (Start: 94 @14102 has 18 MA's), (125, 14171), (136, 14201), (146, 14222), (157, 14255), (179, 14297), (Start: 180 @14300 has 1 MA's), (273, 14441), (312, 14507), (397, 14639), (441, 14714), (464, 14768), (488, 14810), (511, 14876), (526, 14915),

Gene: Dorothea_30 Start: 18967, Stop: 19980, Start Num: 92

Candidate Starts for Dorothea_30:

(Start: 92 @18967 has 316 MA's), (120, 19021), (138, 19060), (182, 19165), (260, 19312), (287, 19342), (310, 19381), (312, 19384), (334, 19429), (357, 19489), (445, 19687), (504, 19837), (507, 19846),

Gene: DoubleChamp_20 Start: 16380, Stop: 17510, Start Num: 29

Candidate Starts for DoubleChamp_20:

(Start: 29 @16380 has 23 MA's), (104, 16554), (129, 16620), (130, 16623), (143, 16650), (186, 16749), (231, 16851), (264, 16905), (287, 16935), (309, 16971), (310, 16974), (316, 16983), (353, 17058), (354, 17061), (379, 17097), (398, 17139), (423, 17157), (427, 17163), (441, 17187), (443, 17190), (455, 17229), (540, 17439), (552, 17478), (555, 17496),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 92

Candidate Starts for Douge_17:

(Start: 92 @15701 has 316 MA's), (107, 15725), (119, 15752), (120, 15755), (125, 15770), (139, 15803), (182, 15899), (260, 16034), (263, 16043), (310, 16103), (312, 16106), (368, 16184), (379, 16199), (392, 16223), (450, 16292), (456, 16316), (462, 16334), (485, 16385), (497, 16412), (514, 16460), (529, 16487), (558, 16571),

Gene: Doughnut_18 Start: 13909, Stop: 15036, Start Num: 27

Candidate Starts for Doughnut_18:

(Start: 27 @13909 has 11 MA's), (31, 13918), (57, 14020), (116, 14110), (130, 14152), (143, 14179), (184, 14272), (186, 14278), (214, 14341), (231, 14380), (264, 14434), (316, 14512), (340, 14563), (353, 14587), (398, 14665), (423, 14683), (441, 14713), (455, 14755), (456, 14758), (501, 14872), (536, 14950), (540, 14965), (552, 15004), (555, 15022),

Gene: Douzhi_17 Start: 15692, Stop: 16579, Start Num: 92

Candidate Starts for Douzhi_17:

(Start: 92 @15692 has 316 MA's), (107, 15716), (119, 15743), (120, 15746), (125, 15761), (139, 15794), (182, 15890), (260, 16025), (263, 16034), (310, 16094), (312, 16097), (368, 16175), (379, 16190), (392, 16214), (431, 16247), (450, 16283), (456, 16307), (462, 16325), (465, 16334), (485, 16376), (497, 16403), (514, 16451), (529, 16478), (558, 16562),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 25

Candidate Starts for DrHayes_22:

(Start: 25 @15965 has 231 MA's), (57, 16082), (116, 16172), (124, 16193), (130, 16214), (143, 16241), (231, 16442), (264, 16496), (271, 16502), (317, 16577), (354, 16652), (362, 16667), (455, 16820), (493, 16913), (501, 16937), (540, 17030), (552, 17069), (555, 17087),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for DrSeegs_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Drake55_29 Start: 19657, Stop: 20673, Start Num: 92

Candidate Starts for Drake55_29:

(Start: 92 @19657 has 316 MA's), (129, 19732), (138, 19750), (151, 19786), (163, 19825), (260, 20002), (287, 20032), (310, 20071), (312, 20074), (504, 20530), (512, 20554),

Gene: DreamTeam1_27 Start: 18680, Stop: 19702, Start Num: 92

Candidate Starts for DreamTeam1_27:

(Start: 92 @18680 has 316 MA's), (105, 18698), (120, 18734), (138, 18773), (239, 18989), (260, 19025), (287, 19055), (312, 19097), (334, 19142), (377, 19247), (402, 19319), (415, 19343), (418,

19349), (499, 19547), (504, 19559), (507, 19568), (512, 19583), (545, 19649),

Gene: Dublin_22 Start: 18616, Stop: 19629, Start Num: 98

Candidate Starts for Dublin_22:

(Start: 98 @18616 has 85 MA's), (138, 18712), (150, 18745), (151, 18748), (163, 18787), (239, 18922), (279, 18982), (287, 18988), (297, 19006), (312, 19030), (333, 19072), (459, 19384), (504, 19486), (513, 19513), (545, 19576),

Gene: DudeLittle_27 Start: 19254, Stop: 20270, Start Num: 92

Candidate Starts for DudeLittle_27:

(Start: 92 @19254 has 316 MA's), (129, 19329), (138, 19347), (151, 19383), (163, 19422), (287, 19629), (310, 19668), (312, 19671), (426, 19938), (465, 20040), (499, 20115), (504, 20127), (545, 20217), (547, 20220),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 86

Candidate Starts for Dulcita_28:

(Start: 86 @21456 has 21 MA's), (133, 21558), (142, 21576), (147, 21591), (182, 21663), (186, 21672), (230, 21750), (309, 21885), (310, 21888), (312, 21891), (352, 21960), (389, 22002), (392, 22008), (472, 22149), (485, 22170), (492, 22182), (547, 22305), (551, 22317),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 53

Candidate Starts for DumpsterDude_18:

(Start: 53 @15153 has 20 MA's), (114, 15246), (130, 15288), (151, 15336), (187, 15414), (221, 15504), (233, 15534), (279, 15606), (284, 15615), (286, 15618), (292, 15627), (319, 15669), (377, 15768), (408, 15837), (525, 16110), (551, 16182), (552, 16185),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for DuncansLeg_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (186, 16700), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: Duplo_30 Start: 19080, Stop: 20090, Start Num: 92

Candidate Starts for Duplo_30:

(Start: 92 @19080 has 316 MA's), (129, 19155), (138, 19173), (219, 19344), (287, 19455), (310, 19494), (312, 19497), (334, 19542), (465, 19860), (499, 19935), (504, 19947), (512, 19971), (545, 20037),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Durfee_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Dusty_46 Start: 28440, Stop: 29321, Start Num: 64

Candidate Starts for Dusty_46:

(Start: 60 @28434 has 10 MA's), (Start: 64 @28440 has 12 MA's), (102, 28488), (116, 28515), (144, 28587), (186, 28683), (251, 28791), (316, 28884), (329, 28908), (335, 28923), (398, 29019), (441, 29067), (515, 29247), (532, 29283),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 92

Candidate Starts for DyoEdafos_18:

(Start: 92 @15909 has 316 MA's), (107, 15933), (119, 15960), (120, 15963), (125, 15978), (139, 16011), (182, 16107), (260, 16242), (263, 16251), (310, 16311), (312, 16314), (368, 16392), (379, 16407), (392, 16431), (450, 16500), (456, 16524), (497, 16620), (514, 16668), (529, 16695), (549, 16734), (558, 16779),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for ECartman_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 59

Candidate Starts for EMoore_30:

(Start: 59 @28525 has 25 MA's), (145, 28684), (168, 28744), (186, 28774), (218, 28831), (221, 28840), (263, 28912), (293, 28951), (305, 28972), (318, 28990), (366, 29074), (379, 29095), (386, 29110), (441, 29215), (443, 29218), (466, 29290), (470, 29302), (481, 29326), (483, 29332), (491, 29347), (497, 29365), (509, 29398), (521, 29431), (522, 29434), (551, 29500),

Gene: EMSquaredA_19 Start: 16661, Stop: 17569, Start Num: 90

Candidate Starts for EMSquaredA_19:

(Start: 90 @16661 has 26 MA's), (120, 16718), (174, 16853), (183, 16868), (185, 16871), (215, 16922), (282, 17030), (313, 17078), (327, 17102), (338, 17120), (340, 17126), (367, 17162), (446, 17318), (458, 17345), (462, 17357), (467, 17372), (488, 17417), (494, 17435), (497, 17444), (510, 17480), (511, 17483), (525, 17519), (529, 17525), (532, 17531),

Gene: EZMoney23_31 Start: 21135, Stop: 22148, Start Num: 92

Candidate Starts for EZMoney23_31:

(Start: 92 @21135 has 316 MA's), (138, 21228), (151, 21264), (163, 21303), (287, 21510), (310, 21549), (312, 21552), (334, 21597), (357, 21657), (406, 21783), (426, 21816), (504, 22005), (512, 22029),

Gene: EagleEye_29 Start: 19925, Stop: 20941, Start Num: 92

Candidate Starts for EagleEye_29:

(Start: 92 @19925 has 316 MA's), (105, 19943), (138, 20018), (163, 20093), (204, 20156), (287, 20300), (310, 20339), (312, 20342), (355, 20429), (454, 20681), (459, 20696), (472, 20732), (504, 20798), (510, 20816), (512, 20822),

Gene: Ebony_27 Start: 19779, Stop: 20801, Start Num: 92

Candidate Starts for Ebony_27:

(Start: 92 @19779 has 316 MA's), (120, 19836), (147, 19911), (212, 20040), (239, 20100), (279, 20160), (287, 20166), (312, 20208), (334, 20253), (338, 20259), (368, 20343), (383, 20376), (504, 20658), (507, 20667), (512, 20682), (545, 20748),

Gene: Echild_27 Start: 19279, Stop: 20295, Start Num: 92

Candidate Starts for Echild_27:

(Start: 92 @19279 has 316 MA's), (129, 19354), (138, 19372), (151, 19408), (163, 19447), (287, 19654), (310, 19693), (312, 19696), (465, 20065), (499, 20140), (504, 20152),

Gene: Ecliptus_23 Start: 17506, Stop: 18432, Start Num: 90

Candidate Starts for Ecliptus_23:

(Start: 87 @17503 has 2 MA's), (Start: 90 @17506 has 26 MA's), (120, 17563), (155, 17665), (159, 17677), (178, 17701), (183, 17710), (185, 17713), (186, 17716), (221, 17779), (247, 17812), (257,

17833), (265, 17848), (304, 17908), (313, 17920), (327, 17944), (341, 17971), (343, 17974), (367, 18004), (406, 18082), (446, 18163), (457, 18205), (458, 18208), (461, 18217), (462, 18220), (466, 18232), (467, 18235), (471, 18247), (476, 18259), (488, 18280), (491, 18289), (494, 18298), (510, 18343), (511, 18346), (513, 18352), (529, 18388), (532, 18394),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 59

Candidate Starts for EdmundFerry_30:

(Start: 59 @26577 has 25 MA's), (73, 26589), (93, 26616), (118, 26664), (119, 26667), (138, 26718), (168, 26796), (221, 26892), (263, 26964), (343, 27093), (366, 27126), (386, 27162), (468, 27348), (483, 27378), (496, 27405), (509, 27441), (521, 27474), (551, 27543),

Gene: EdogawaKiddo_26 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for EdogawaKiddo_26:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499, 21385), (504, 21397), (512, 21421),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 29

Candidate Starts for Edugator_19:

(Start: 29 @16302 has 23 MA's), (104, 16476), (129, 16542), (143, 16572), (186, 16671), (231, 16773), (264, 16827), (287, 16857), (309, 16893), (310, 16896), (316, 16905), (353, 16980), (354, 16983), (379, 17019), (398, 17061), (423, 17079), (427, 17085), (441, 17109), (443, 17112), (455, 17151), (496, 17253), (540, 17361), (552, 17400), (555, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 25

Candidate Starts for Efra2_22:

(Start: 25 @15227 has 231 MA's), (57, 15344), (116, 15434), (124, 15455), (143, 15503), (264, 15758), (317, 15839), (354, 15914), (362, 15929), (441, 16040), (455, 16082), (488, 16160), (493, 16175), (501, 16199), (540, 16292), (552, 16331), (555, 16349),

Gene: Egi03_30 Start: 25124, Stop: 26056, Start Num: 79

Candidate Starts for Egi03_30:

(Start: 79 @25124 has 33 MA's), (129, 25220), (155, 25289), (157, 25295), (168, 25319), (Start: 180 @25334 has 1 MA's), (304, 25544), (353, 25622), (384, 25667), (395, 25691), (416, 25730), (454, 25826), (468, 25868), (483, 25904), (496, 25934), (512, 25979), (519, 26000), (543, 26051),

Gene: Eidsmoe_28 Start: 20557, Stop: 21570, Start Num: 92

Candidate Starts for Eidsmoe_28:

(Start: 92 @20557 has 316 MA's), (105, 20575), (129, 20632), (138, 20650), (151, 20686), (239, 20866), (260, 20902), (287, 20932), (312, 20974), (380, 21133), (445, 21277), (465, 21340), (499, 21415), (504, 21427), (512, 21451),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Ein37_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 25

Candidate Starts for Ekdilam_19:

(Start: 25 @16204 has 231 MA's), (57, 16321), (74, 16339), (97, 16372), (116, 16411), (143, 16480), (186, 16579), (188, 16585), (264, 16735), (309, 16801), (316, 16813), (398, 16969), (427, 16993), (443, 17020), (455, 17059), (456, 17062), (493, 17152), (540, 17269), (552, 17308), (555, 17326),

Gene: ElTiger69_23 Start: 17966, Stop: 18979, Start Num: 98

Candidate Starts for ElTiger69_23:

(Start: 98 @17966 has 85 MA's), (150, 18095), (151, 18098), (163, 18137), (239, 18272), (256, 18302), (279, 18332), (287, 18338), (297, 18356), (312, 18380), (333, 18422), (398, 18593), (504, 18836), (545, 18926),

Gene: Elephantoon_28 Start: 20168, Stop: 21190, Start Num: 92

Candidate Starts for Elephantoon_28:

(Start: 92 @20168 has 316 MA's), (105, 20186), (116, 20213), (129, 20243), (138, 20261), (151, 20297), (239, 20477), (260, 20513), (287, 20543), (312, 20585), (377, 20735), (380, 20744), (415, 20831), (445, 20897), (499, 21035), (504, 21047), (507, 21056), (512, 21071),

Gene: Elle_27 Start: 18087, Stop: 19064, Start Num: 96

Candidate Starts for Elle_27:

(Start: 96 @18087 has 22 MA's), (116, 18129), (141, 18186), (147, 18201), (150, 18207), (151, 18210), (189, 18297), (269, 18444), (359, 18594), (429, 18741), (504, 18921), (530, 18981), (541, 18996), (545, 19011),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 25

Candidate Starts for Ellie_19:

(Start: 25 @16200 has 231 MA's), (57, 16317), (97, 16368), (143, 16476), (187, 16578), (188, 16581), (231, 16677), (264, 16731), (309, 16797), (316, 16809), (455, 17055), (456, 17058), (540, 17265), (552, 17304), (555, 17322),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 92

Candidate Starts for Ellson_18:

(Start: 92 @16498 has 316 MA's), (107, 16522), (125, 16567), (129, 16582), (139, 16603), (182, 16699), (186, 16708), (260, 16834), (263, 16843), (310, 16903), (312, 16906), (316, 16912), (368, 16984), (389, 17017), (394, 17029), (450, 17092), (473, 17167), (499, 17218), (514, 17260), (558, 17371), (559, 17374),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 25

Candidate Starts for Emerson_22:

(Start: 25 @16011 has 231 MA's), (57, 16128), (116, 16218), (124, 16239), (130, 16260), (143, 16287), (264, 16542), (317, 16623), (354, 16698), (362, 16713), (441, 16824), (455, 16866), (493, 16959), (501, 16983), (540, 17076), (552, 17115), (555, 17133),

Gene: EmiRose_16 Start: 13050, Stop: 13937, Start Num: 95

Candidate Starts for EmiRose_16:

(Start: 95 @13050 has 2 MA's), (105, 13068), (134, 13137), (Start: 180 @13227 has 1 MA's), (185, 13236), (205, 13269), (214, 13284), (306, 13440), (309, 13443), (312, 13449), (392, 13608), (413, 13638), (427, 13668), (433, 13680), (472, 13794), (475, 13800),

Gene: EmyBug_28 Start: 20557, Stop: 21570, Start Num: 92

Candidate Starts for EmyBug_28:

(Start: 92 @20557 has 316 MA's), (105, 20575), (129, 20632), (138, 20650), (151, 20686), (239, 20866), (260, 20902), (287, 20932), (312, 20974), (380, 21133), (445, 21277), (465, 21340), (499, 21415), (504, 21427), (512, 21451),

Gene: EnalisNailo_19 Start: 16810, Stop: 17718, Start Num: 90

Candidate Starts for EnalisNailo_19:

(Start: 90 @16810 has 26 MA's), (120, 16867), (183, 17017), (185, 17020), (215, 17071), (257, 17140), (282, 17179), (313, 17227), (327, 17251), (340, 17275), (446, 17467), (458, 17494), (461, 17503), (462, 17506), (467, 17521), (486, 17563), (488, 17566), (497, 17593), (510, 17629), (514, 17641), (529, 17674), (532, 17680),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 92

Candidate Starts for Enceladus_17:

(55, 15805), (58, 15808), (Start: 78 @15841 has 9 MA's), (Start: 92 @15859 has 316 MA's), (107, 15883), (120, 15913), (125, 15928), (139, 15961), (216, 16105), (256, 16186), (310, 16261), (312, 16264), (316, 16270), (338, 16315), (368, 16342), (389, 16375), (392, 16381), (431, 16414), (439, 16423), (450, 16450), (497, 16570), (514, 16618), (529, 16645), (549, 16684), (551, 16690), (558, 16729),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 64

Candidate Starts for Engineer_48:

(Start: 60 @28651 has 10 MA's), (Start: 64 @28657 has 12 MA's), (102, 28705), (116, 28732), (144, 28804), (169, 28870), (186, 28900), (251, 29008), (316, 29101), (329, 29125), (335, 29140), (398, 29236), (441, 29284), (515, 29464), (532, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Enkosi_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 25

Candidate Starts for Eponine_23:

(Start: 25 @17390 has 231 MA's), (Start: 45 @17480 has 1 MA's), (57, 17510), (116, 17600), (130, 17642), (131, 17645), (137, 17657), (312, 17993), (316, 17999), (353, 18074), (398, 18152), (422, 18167), (441, 18200), (455, 18242), (456, 18245), (494, 18338), (540, 18452), (552, 18491), (555, 18509),

Gene: Epsocamisio_29 Start: 18119, Stop: 19096, Start Num: 96

Candidate Starts for Epsocamisio_29:

(Start: 96 @18119 has 22 MA's), (147, 18233), (150, 18239), (151, 18242), (269, 18476), (406, 18743), (442, 18797), (504, 18953),

Gene: Equemioh13_29 Start: 19643, Stop: 20659, Start Num: 92

Candidate Starts for Equemioh13_29:

(Start: 92 @19643 has 316 MA's), (129, 19718), (138, 19736), (151, 19772), (163, 19811), (260, 19988), (287, 20018), (310, 20057), (312, 20060), (504, 20516), (512, 20540),

Gene: EricB_30 Start: 18959, Stop: 19972, Start Num: 92

Candidate Starts for EricB_30:

(Start: 92 @18959 has 316 MA's), (120, 19013), (138, 19052), (182, 19157), (260, 19304), (287, 19334), (310, 19373), (312, 19376), (334, 19421), (357, 19481), (445, 19679), (504, 19829), (507, 19838),

Gene: Erik_22 Start: 15479, Stop: 16351, Start Num: 98

Candidate Starts for Erik_22:

(Start: 98 @15479 has 85 MA's), (116, 15518), (147, 15599), (150, 15605), (Start: 180 @15674 has 1 MA's), (224, 15752), (239, 15785), (256, 15812), (312, 15890), (378, 15986), (465, 16115), (471, 16133), (499, 16190), (504, 16202), (518, 16244), (556, 16340),

Gene: Espica_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Espica_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 86

Candidate Starts for Estes_32:

(Start: 86 @22177 has 21 MA's), (Start: 94 @22186 has 18 MA's), (120, 22240), (131, 22276), (133, 22279), (142, 22297), (147, 22312), (Start: 180 @22381 has 1 MA's), (182, 22384), (310, 22609), (312, 22612), (328, 22642), (389, 22723), (392, 22729), (492, 22903), (497, 22918), (509, 22951), (557, 23074),

Gene: Et2Brutus_26 Start: 19739, Stop: 20761, Start Num: 92

Candidate Starts for Et2Brutus_26:

(Start: 92 @19739 has 316 MA's), (120, 19796), (147, 19871), (212, 20000), (239, 20060), (279, 20120), (287, 20126), (312, 20168), (334, 20213), (338, 20219), (368, 20303), (383, 20336), (504, 20618), (507, 20627), (512, 20642), (545, 20708),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 79

Candidate Starts for Evamon_30:

(Start: 79 @24920 has 33 MA's), (129, 25025), (155, 25094), (157, 25100), (168, 25124), (Start: 180 @25139 has 1 MA's), (395, 25499), (399, 25514), (412, 25532), (454, 25634), (468, 25676), (483, 25712), (512, 25787), (519, 25808), (543, 25859),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Evanesce_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: EvilGenius_29 Start: 19596, Stop: 20612, Start Num: 92

Candidate Starts for EvilGenius_29:

(Start: 92 @19596 has 316 MA's), (129, 19671), (138, 19689), (151, 19725), (163, 19764), (287, 19971), (310, 20010), (312, 20013), (355, 20100), (426, 20280), (465, 20382), (499, 20457), (504, 20469),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 63

Candidate Starts for Ewald_21:

(Start: 63 @17595 has 10 MA's), (Start: 68 @17601 has 23 MA's), (Start: 79 @17613 has 33 MA's), (97, 17637), (99, 17640), (167, 17808), (177, 17823), (184, 17835), (240, 17931), (243, 17934), (249, 17943), (256, 17955), (264, 17970), (345, 18099), (438, 18219), (451, 18240), (456, 18261), (511, 18381),

Gene: Expelliarmus_22 Start: 17601, Stop: 18623, Start Num: 98

Candidate Starts for Expelliarmus_22:

(Start: 98 @17601 has 85 MA's), (147, 17724), (150, 17730), (182, 17802), (239, 17907), (254, 17934), (312, 18024), (394, 18225), (404, 18255), (406, 18258), (499, 18468), (513, 18507), (540, 18555), (545, 18570),

Gene: ExplosioNervosa_28 Start: 20560, Stop: 21573, Start Num: 92

Candidate Starts for ExplosioNervosa_28:

(Start: 92 @20560 has 316 MA's), (105, 20578), (129, 20635), (138, 20653), (151, 20689), (239, 20869), (260, 20905), (287, 20935), (312, 20977), (380, 21136), (445, 21280), (465, 21343), (499, 21418), (504, 21430), (512, 21454),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 30

Candidate Starts for FF47_20:

(Start: 30 @14818 has 4 MA's), (Start: 36 @14866 has 1 MA's), (99, 14974), (104, 14983), (131, 15052), (144, 15079), (205, 15226), (266, 15334), (316, 15409), (320, 15418), (338, 15454), (379, 15523), (398, 15565), (446, 15619), (464, 15676), (509, 15781), (511, 15787), (550, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 65

Candidate Starts for Fairfaxidum_18:

(Start: 65 @15961 has 14 MA's), (Start: 83 @15976 has 11 MA's), (104, 16006), (113, 16027), (147, 16117), (184, 16198), (316, 16402), (317, 16405), (451, 16600), (492, 16690), (510, 16732), (531, 16780), (533, 16786),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Faith1_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Faiyaz_23 Start: 18613, Stop: 19611, Start Num: 41

Candidate Starts for Faiyaz_23:

(Start: 41 @18613 has 6 MA's), (Start: 85 @18679 has 1 MA's), (129, 18769), (131, 18775), (152, 18823), (171, 18871), (186, 18898), (200, 18925), (201, 18928), (214, 18949), (241, 19000), (274, 19051), (280, 19060), (296, 19087), (336, 19162), (348, 19186), (427, 19276), (441, 19300), (443, 19303), (455, 19339), (473, 19393), (478, 19402), (497, 19444), (498, 19447), (536, 19528), (539, 19537), (552, 19582),

Gene: Fameo_27 Start: 19223, Stop: 20239, Start Num: 92

Candidate Starts for Fameo_27:

(Start: 92 @19223 has 316 MA's), (129, 19298), (138, 19316), (151, 19352), (163, 19391), (287, 19598), (310, 19637), (312, 19640), (426, 19907), (465, 20009), (499, 20084), (504, 20096), (545, 20186),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 70

Candidate Starts for Farewell_15:

(Start: 70 @15126 has 2 MA's), (74, 15135), (Start: 95 @15165 has 2 MA's), (126, 15234), (132, 15255), (186, 15375), (189, 15384), (224, 15471), (260, 15537), (312, 15624), (316, 15630), (377, 15714), (389, 15738), (391, 15741), (499, 15939), (504, 15951), (517, 15990), (536, 16017), (540, 16032), (560, 16122),

Gene: FarmResident_17 Start: 15745, Stop: 16632, Start Num: 92

Candidate Starts for FarmResident_17:

(Start: 92 @15745 has 316 MA's), (107, 15769), (119, 15796), (120, 15799), (125, 15814), (139, 15847), (182, 15943), (260, 16078), (263, 16087), (310, 16147), (312, 16150), (368, 16228), (379,

16243), (392, 16267), (450, 16336), (456, 16360), (462, 16378), (485, 16429), (497, 16456), (514, 16504), (529, 16531), (558, 16615),

Gene: FatCactus_25 Start: 17601, Stop: 18611, Start Num: 92

Candidate Starts for FatCactus_25:

(Start: 92 @17601 has 316 MA's), (129, 17676), (138, 17694), (151, 17730), (163, 17769), (212, 17850), (287, 17976), (310, 18015), (312, 18018), (368, 18153), (426, 18279), (462, 18372), (465, 18381), (472, 18402), (504, 18468), (512, 18492), (528, 18525), (545, 18558),

Gene: Fayely_28 Start: 20560, Stop: 21573, Start Num: 92

Candidate Starts for Fayely_28:

(Start: 92 @20560 has 316 MA's), (105, 20578), (129, 20635), (138, 20653), (151, 20689), (239, 20869), (260, 20905), (287, 20935), (312, 20977), (380, 21136), (445, 21280), (465, 21343), (499, 21418), (504, 21430), (512, 21454),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 25

Candidate Starts for Fefferhead_21:

(Start: 25 @16367 has 231 MA's), (57, 16484), (97, 16535), (143, 16643), (187, 16745), (188, 16748), (231, 16844), (264, 16898), (309, 16964), (316, 16976), (455, 17222), (456, 17225), (540, 17432), (552, 17471), (555, 17489),

Gene: FeliMaine_51 Start: 26439, Stop: 27401, Start Num: 92

Candidate Starts for FeliMaine_51:

(Start: 92 @26439 has 316 MA's), (147, 26571), (155, 26595), (159, 26604), (161, 26610), (166, 26619), (182, 26643), (186, 26652), (191, 26664), (196, 26676), (254, 26790), (302, 26871), (312, 26886), (316, 26892), (389, 27000), (465, 27126), (467, 27132), (502, 27207), (535, 27282), (537, 27288), (542, 27300), (543, 27303), (561, 27390), (562, 27393), (563, 27396),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 65

Candidate Starts for Fenry_17:

(Start: 65 @15512 has 14 MA's), (147, 15668), (184, 15749), (219, 15806), (243, 15848), (317, 15956), (371, 16040), (423, 16106), (427, 16112), (451, 16151), (492, 16241), (510, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 29

Candidate Starts for Feyre_20:

(Start: 29 @16241 has 23 MA's), (130, 16484), (143, 16511), (186, 16610), (231, 16712), (264, 16766), (287, 16796), (309, 16832), (310, 16835), (316, 16844), (353, 16919), (354, 16922), (379, 16958), (398, 17000), (423, 17018), (427, 17024), (441, 17048), (443, 17051), (446, 17057), (455, 17090), (540, 17300), (552, 17339), (555, 17357),

Gene: Fibonacci_27 Start: 19733, Stop: 20755, Start Num: 92

Candidate Starts for Fibonacci_27:

(Start: 92 @19733 has 316 MA's), (120, 19790), (147, 19865), (212, 19994), (239, 20054), (279, 20114), (287, 20120), (312, 20162), (334, 20207), (338, 20213), (368, 20297), (383, 20330), (504, 20612), (507, 20621), (512, 20636), (545, 20702),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 27

Candidate Starts for Findley_18:

(Start: 27 @13892 has 11 MA's), (31, 13901), (57, 14003), (116, 14093), (130, 14135), (131, 14138), (143, 14162), (186, 14261), (214, 14324), (231, 14363), (264, 14417), (309, 14483), (316, 14495), (340, 14546), (353, 14570), (398, 14648), (423, 14666), (441, 14696), (446, 14705), (455, 14738), (456, 14741), (501, 14855), (536, 14933), (540, 14948), (552, 14987), (555, 15005),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 92

Candidate Starts for Finemlucis_17:

(Start: 92 @16080 has 316 MA's), (107, 16104), (120, 16134), (170, 16260), (216, 16332), (309, 16485), (310, 16488), (312, 16491), (328, 16521), (377, 16578), (389, 16602), (392, 16608), (450, 16677), (454, 16695), (461, 16716), (492, 16782), (514, 16845), (558, 16974), (560, 16986),

Gene: Finnry_18 Start: 16494, Stop: 17384, Start Num: 92

Candidate Starts for Finnry_18:

(Start: 92 @16494 has 316 MA's), (107, 16518), (125, 16563), (129, 16578), (139, 16599), (182, 16695), (260, 16830), (263, 16839), (310, 16899), (312, 16902), (316, 16908), (368, 16980), (389, 17013), (450, 17088), (466, 17142), (473, 17163), (499, 17214), (514, 17256), (558, 17367), (559, 17370),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 25

Candidate Starts for Fionnbharth_23:

(Start: 25 @17490 has 231 MA's), (31, 17508), (Start: 45 @17580 has 1 MA's), (57, 17610), (116, 17700), (130, 17742), (142, 17766), (187, 17871), (312, 18093), (316, 18099), (397, 18249), (398, 18252), (423, 18270), (441, 18300), (455, 18342), (456, 18345), (473, 18396), (536, 18537), (540, 18552), (552, 18591), (555, 18609),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 79

Candidate Starts for Fireball_31:

(Start: 79 @25055 has 33 MA's), (129, 25151), (155, 25220), (157, 25226), (168, 25250), (Start: 180 @25265 has 1 MA's), (188, 25283), (304, 25475), (353, 25553), (384, 25598), (395, 25622), (416, 25661), (454, 25757), (468, 25799), (483, 25835), (496, 25865), (512, 25910), (519, 25931), (543, 25982),

Gene: FiringLine_27 Start: 19105, Stop: 20121, Start Num: 92

Candidate Starts for FiringLine_27:

(Start: 92 @19105 has 316 MA's), (129, 19180), (138, 19198), (151, 19234), (163, 19273), (287, 19480), (310, 19519), (312, 19522), (426, 19789), (465, 19891), (499, 19966), (504, 19978), (545, 20068),

Gene: First_0027 Start: 19219, Stop: 20229, Start Num: 92

Candidate Starts for First_0027:

(Start: 92 @19219 has 316 MA's), (120, 19273), (138, 19312), (163, 19387), (239, 19528), (287, 19594), (310, 19633), (312, 19636), (406, 19864), (426, 19897), (465, 19999), (472, 20020), (499, 20074), (504, 20086), (545, 20176),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 75

Candidate Starts for Fitzgerald_32:

(Start: 75 @29941 has 54 MA's), (157, 30127), (160, 30139), (Start: 180 @30166 has 1 MA's), (189, 30187), (223, 30247), (279, 30337), (304, 30373), (325, 30406), (331, 30421), (338, 30433), (354, 30463), (361, 30469), (395, 30529), (438, 30619), (468, 30709), (478, 30733), (483, 30745), (509, 30811), (514, 30826), (523, 30850), (532, 30862), (543, 30892),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 17

Candidate Starts for FlagStaff_17:

(4, 15304), (Start: 17 @15628 has 1 MA's), (Start: 25 @15664 has 231 MA's), (57, 15790), (105, 15850), (116, 15874), (130, 15916), (131, 15919), (176, 16021), (187, 16045), (192, 16060), (194, 16066), (205, 16105), (210, 16111), (296, 16255), (306, 16273), (319, 16294), (322, 16300), (333, 16324), (351, 16360), (441, 16525), (455, 16567), (457, 16573), (526, 16744), (550, 16810),

Gene: Flare16_27 Start: 19201, Stop: 20217, Start Num: 92

Candidate Starts for Flare16_27:

(Start: 92 @19201 has 316 MA's), (129, 19276), (138, 19294), (151, 19330), (163, 19369), (260, 19546), (287, 19576), (310, 19615), (312, 19618), (504, 20074), (512, 20098),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 75

Candidate Starts for Flatwoods_34:

(Start: 75 @28876 has 54 MA's), (147, 29032), (157, 29062), (160, 29074), (168, 29086), (Start: 180 @29101 has 1 MA's), (186, 29113), (279, 29272), (304, 29308), (338, 29368), (351, 29392), (361, 29404), (395, 29464), (438, 29554), (468, 29644), (478, 29668), (483, 29680), (509, 29746), (514, 29761), (523, 29785), (532, 29797),

Gene: Flaverint_27 Start: 19730, Stop: 20752, Start Num: 92

Candidate Starts for Flaverint_27:

(Start: 92 @19730 has 316 MA's), (120, 19787), (147, 19862), (212, 19991), (239, 20051), (279, 20111), (287, 20117), (312, 20159), (334, 20204), (338, 20210), (368, 20294), (383, 20327), (504, 20609), (507, 20618), (512, 20633), (545, 20699),

Gene: Floral_19 Start: 16661, Stop: 17569, Start Num: 90

Candidate Starts for Floral_19:

(Start: 90 @16661 has 26 MA's), (120, 16718), (174, 16853), (183, 16868), (185, 16871), (215, 16922), (282, 17030), (313, 17078), (327, 17102), (338, 17120), (340, 17126), (367, 17162), (446, 17318), (458, 17345), (462, 17357), (467, 17372), (488, 17417), (494, 17435), (497, 17444), (510, 17480), (511, 17483), (525, 17519), (529, 17525), (532, 17531),

Gene: Florence1_23 Start: 18436, Stop: 19449, Start Num: 98

Candidate Starts for Florence1_23:

(Start: 98 @18436 has 85 MA's), (138, 18532), (150, 18565), (151, 18568), (239, 18742), (256, 18772), (279, 18802), (287, 18808), (297, 18826), (312, 18850), (333, 18892), (398, 19063), (459, 19204), (504, 19306), (513, 19333), (545, 19396),

Gene: Florence4_24 Start: 18436, Stop: 19449, Start Num: 98

Candidate Starts for Florence4_24:

(Start: 98 @18436 has 85 MA's), (138, 18532), (150, 18565), (151, 18568), (239, 18742), (256, 18772), (279, 18802), (287, 18808), (297, 18826), (312, 18850), (333, 18892), (398, 19063), (459, 19204), (504, 19306), (513, 19333), (545, 19396),

Gene: ForGetIt_23 Start: 18499, Stop: 19512, Start Num: 98

Candidate Starts for ForGetIt_23:

(Start: 98 @18499 has 85 MA's), (138, 18595), (150, 18628), (151, 18631), (163, 18670), (189, 18718), (287, 18871), (297, 18889), (312, 18913), (333, 18955), (459, 19267), (504, 19369), (513, 19396),

Gene: ForesterFrank_28 Start: 20675, Stop: 21688, Start Num: 92

Candidate Starts for ForesterFrank_28:

(Start: 92 @20675 has 316 MA's), (138, 20768), (151, 20804), (163, 20843), (287, 21050), (310, 21089), (312, 21092), (334, 21137), (357, 21197), (404, 21320), (406, 21323), (504, 21545),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Forge_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509,

17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 72

Candidate Starts for Forza_100:

(Start: 72 @59008 has 5 MA's), (82, 59023), (Start: 87 @59029 has 2 MA's), (93, 59035), (142, 59152), (143, 59155), (159, 59206), (181, 59242), (261, 59377), (284, 59413), (305, 59443), (444, 59695), (457, 59740), (467, 59770), (469, 59776), (483, 59803), (500, 59842), (527, 59911),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 75

Candidate Starts for Fosterous_32:

(Start: 75 @29783 has 54 MA's), (157, 29969), (160, 29981), (Start: 180 @30008 has 1 MA's), (189, 30029), (223, 30089), (277, 30176), (279, 30179), (304, 30215), (325, 30248), (331, 30263), (338, 30275), (354, 30305), (361, 30311), (395, 30371), (438, 30461), (468, 30551), (478, 30575), (483, 30587), (509, 30653), (514, 30668), (523, 30692), (532, 30704), (543, 30734),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 53

Candidate Starts for Francois_21:

(Start: 53 @16316 has 20 MA's), (Start: 87 @16361 has 2 MA's), (105, 16391), (151, 16499), (215, 16649), (233, 16697), (286, 16781), (292, 16790), (319, 16832), (432, 17042), (449, 17078), (525, 17273), (551, 17345), (552, 17348),

Gene: FreakyGoo_28 Start: 21457, Stop: 22368, Start Num: 86

Candidate Starts for FreakyGoo_28:

(Start: 86 @21457 has 21 MA's), (133, 21559), (142, 21577), (147, 21592), (182, 21664), (186, 21673), (230, 21751), (309, 21886), (310, 21889), (312, 21892), (352, 21961), (389, 22003), (392, 22009), (472, 22150), (485, 22171), (492, 22183), (547, 22306), (551, 22318),

Gene: Frizzle_15 Start: 13493, Stop: 14353, Start Num: 68

Candidate Starts for Frizzle_15:

(Start: 63 @13487 has 10 MA's), (Start: 68 @13493 has 23 MA's), (97, 13520), (99, 13523), (164, 13682), (188, 13727), (189, 13730), (250, 13832), (261, 13850), (332, 13958), (456, 14144), (457, 14147), (491, 14219), (517, 14285), (534, 14321),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 83

Candidate Starts for Frokostdame_18:

(Start: 65 @15759 has 14 MA's), (Start: 83 @15774 has 11 MA's), (132, 15876), (147, 15915), (184, 15996), (231, 16080), (243, 16095), (317, 16203), (371, 16287), (423, 16353), (427, 16359), (451, 16398), (492, 16488), (510, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Frosty24_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: FuegoCuervo_36 Start: 28328, Stop: 29284, Start Num: 75

Candidate Starts for FuegoCuervo_36:

(Start: 75 @28328 has 54 MA's), (157, 28514), (160, 28526), (Start: 180 @28553 has 1 MA's), (189, 28574), (223, 28634), (277, 28721), (279, 28724), (304, 28760), (325, 28793), (331, 28808), (338, 28820), (354, 28850), (361, 28856), (395, 28916), (438, 29006), (468, 29096), (478, 29120), (483, 29132), (509, 29198), (514, 29213), (523, 29237), (532, 29249), (543, 29279),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 79

Candidate Starts for Fugax_32:

(Start: 79 @25634 has 33 MA's), (129, 25739), (155, 25808), (157, 25814), (168, 25838), (Start: 180 @25853 has 1 MA's), (395, 26213), (399, 26228), (412, 26246), (454, 26348), (468, 26390), (483, 26426), (519, 26522), (543, 26573),

Gene: GAL1_19 Start: 16068, Stop: 16979, Start Num: 100

Candidate Starts for GAL1_19:

(100, 16068), (140, 16173), (149, 16197), (150, 16200), (151, 16203), (156, 16221), (174, 16248), (183, 16263), (194, 16290), (207, 16302), (215, 16314), (221, 16332), (229, 16347), (232, 16356), (237, 16365), (270, 16419), (291, 16449), (313, 16485), (316, 16491), (317, 16494), (323, 16500), (338, 16527), (340, 16533), (367, 16569), (370, 16575), (396, 16623), (411, 16653), (436, 16701), (438, 16710), (446, 16725), (457, 16749), (462, 16764), (467, 16779), (471, 16791), (488, 16824), (491, 16833), (510, 16887), (511, 16890),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 59

Candidate Starts for GMA2_29:

(Start: 59 @30651 has 25 MA's), (Start: 87 @30681 has 2 MA's), (93, 30687), (102, 30702), (121, 30750), (143, 30807), (175, 30882), (186, 30903), (209, 30942), (261, 31029), (284, 31065), (294, 31077), (300, 31086), (305, 31095), (338, 31152), (446, 31350), (457, 31392), (469, 31428), (483, 31455), (488, 31461), (500, 31494), (509, 31518), (527, 31563),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 59

Candidate Starts for GTE6_31:

(Start: 59 @27069 has 25 MA's), (73, 27081), (93, 27108), (118, 27156), (138, 27210), (168, 27288), (221, 27384), (244, 27417), (263, 27456), (343, 27585), (366, 27618), (386, 27654), (468, 27840), (483, 27870), (509, 27933), (521, 27966), (551, 28035),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Gabriela_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 75

Candidate Starts for Gaea_33:

(Start: 75 @28524 has 54 MA's), (147, 28680), (157, 28710), (160, 28722), (168, 28734), (Start: 180 @28749 has 1 MA's), (186, 28761), (279, 28920), (304, 28956), (338, 29016), (351, 29040), (361, 29052), (395, 29112), (438, 29202), (455, 29253), (468, 29292), (478, 29316), (483, 29328), (509, 29394), (514, 29409), (520, 29427), (523, 29433), (532, 29445),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 38

Candidate Starts for Gaia_13:

(Start: 38 @13325 has 2 MA's), (39, 13328), (Start: 96 @13421 has 22 MA's), (99, 13427), (120, 13472), (129, 13502), (142, 13529), (143, 13532), (145, 13538), (151, 13553), (152, 13556), (184, 13625), (186, 13631), (214, 13709), (246, 13766), (264, 13802), (309, 13868), (316, 13880), (357, 13982), (358, 13985), (366, 14012), (398, 14075), (455, 14156), (457, 14162), (478, 14219), (493, 14249), (498, 14264), (509, 14288), (511, 14294), (536, 14351), (555, 14423),

Gene: Gail_26 Start: 18165, Stop: 19187, Start Num: 92

Candidate Starts for Gail_26:

(Start: 92 @18165 has 316 MA's), (105, 18183), (120, 18219), (129, 18240), (138, 18258), (188, 18378), (260, 18510), (287, 18540), (310, 18579), (312, 18582), (334, 18627), (398, 18792), (415,

18828), (445, 18894), (504, 19044), (512, 19068),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 75

Candidate Starts for Galadriel_34:

(Start: 75 @30272 has 54 MA's), (157, 30458), (160, 30470), (Start: 180 @30497 has 1 MA's), (189, 30518), (223, 30578), (277, 30665), (279, 30668), (304, 30704), (325, 30737), (331, 30752), (338, 30764), (354, 30794), (361, 30800), (395, 30860), (438, 30950), (468, 31040), (478, 31064), (483, 31076), (509, 31142), (523, 31181), (532, 31193), (543, 31223),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 65

Candidate Starts for Gambino_20:

(Start: 65 @16105 has 14 MA's), (Start: 83 @16120 has 11 MA's), (132, 16222), (147, 16261), (184, 16342), (231, 16426), (243, 16441), (317, 16549), (371, 16633), (423, 16699), (427, 16705), (451, 16744), (492, 16834), (510, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 49

Candidate Starts for Gancho_20:

(Start: 49 @16036 has 23 MA's), (Start: 52 @16045 has 1 MA's), (114, 16141), (120, 16150), (122, 16159), (143, 16210), (145, 16216), (186, 16306), (188, 16312), (195, 16330), (221, 16399), (226, 16408), (233, 16429), (238, 16435), (243, 16441), (245, 16444), (286, 16516), (289, 16519), (377, 16675), (408, 16744), (444, 16816), (451, 16834), (467, 16888), (480, 16918), (493, 16945), (494, 16948), (509, 16984), (511, 16990), (515, 17002), (536, 17044), (540, 17059), (542, 17062), (550, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 25

Candidate Starts for Ganymede_23:

(Start: 25 @16031 has 231 MA's), (57, 16148), (116, 16238), (124, 16259), (130, 16280), (143, 16307), (264, 16562), (317, 16643), (354, 16718), (362, 16733), (441, 16844), (455, 16886), (493, 16979), (501, 17003), (540, 17096), (552, 17135), (555, 17153),

Gene: Garak_31 Start: 18964, Stop: 19980, Start Num: 92

Candidate Starts for Garak_31:

(Start: 92 @18964 has 316 MA's), (120, 19018), (138, 19057), (182, 19162), (260, 19309), (287, 19339), (310, 19378), (312, 19381), (355, 19468), (357, 19489), (406, 19615), (445, 19687), (504, 19837), (507, 19846), (545, 19927),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 92

Candidate Starts for Gardann_17:

(Start: 92 @16079 has 316 MA's), (107, 16103), (120, 16133), (170, 16259), (216, 16331), (309, 16484), (310, 16487), (312, 16490), (328, 16520), (377, 16577), (389, 16601), (392, 16607), (450, 16676), (454, 16694), (461, 16715), (485, 16769), (492, 16781), (514, 16844), (558, 16973), (560, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 86

Candidate Starts for GardenSalsa_31:

(Start: 86 @22001 has 21 MA's), (Start: 94 @22010 has 18 MA's), (120, 22064), (131, 22100), (133, 22103), (142, 22121), (147, 22136), (Start: 180 @22205 has 1 MA's), (182, 22208), (310, 22433), (312, 22436), (328, 22466), (392, 22553), (465, 22673), (492, 22727), (497, 22742), (509, 22775), (557, 22898),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 92

Candidate Starts for Gattaca_48:

(Start: 92 @25618 has 316 MA's), (147, 25750), (155, 25774), (159, 25783), (161, 25789), (166, 25798), (182, 25822), (186, 25831), (191, 25843), (254, 25969), (302, 26050), (312, 26065), (316, 26071), (389, 26179), (465, 26305), (467, 26311), (502, 26386), (535, 26461), (537, 26467), (542, 26479), (543, 26482), (561, 26569), (562, 26572), (563, 26575),

Gene: GaugeLDP_29 Start: 20459, Stop: 21469, Start Num: 92

Candidate Starts for GaugeLDP_29:

(Start: 92 @20459 has 316 MA's), (138, 20552), (151, 20588), (163, 20627), (287, 20834), (310, 20873), (312, 20876), (465, 21239), (504, 21326), (512, 21350),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 64

Candidate Starts for Geeche_46:

(Start: 64 @28531 has 12 MA's), (102, 28579), (116, 28606), (144, 28678), (169, 28744), (186, 28774), (251, 28882), (316, 28975), (329, 28999), (335, 29014), (398, 29110), (441, 29158), (515, 29338), (532, 29374),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 86

Candidate Starts for GenevaB15_31:

(Start: 86 @22046 has 21 MA's), (Start: 94 @22055 has 18 MA's), (120, 22109), (131, 22145), (133, 22148), (142, 22166), (147, 22181), (151, 22190), (Start: 180 @22250 has 1 MA's), (182, 22253), (310, 22478), (312, 22481), (328, 22511), (392, 22598), (472, 22739), (497, 22787), (509, 22820), (557, 22943),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 29

Candidate Starts for Gengar_20:

(Start: 29 @16348 has 23 MA's), (104, 16522), (129, 16588), (130, 16591), (143, 16618), (186, 16717), (231, 16819), (264, 16873), (287, 16903), (309, 16939), (310, 16942), (316, 16951), (353, 17026), (354, 17029), (379, 17065), (398, 17107), (423, 17125), (427, 17131), (441, 17155), (443, 17158), (446, 17164), (455, 17197), (540, 17407), (552, 17446), (555, 17464),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 75

Candidate Starts for Geodirt_31:

(Start: 75 @29258 has 54 MA's), (157, 29444), (160, 29456), (Start: 180 @29483 has 1 MA's), (189, 29504), (223, 29564), (279, 29654), (304, 29690), (325, 29723), (331, 29738), (338, 29750), (354, 29780), (361, 29786), (395, 29846), (438, 29936), (468, 30026), (478, 30050), (483, 30062), (509, 30128), (514, 30143), (523, 30167), (532, 30179),

Gene: George_22 Start: 18648, Stop: 19661, Start Num: 98

Candidate Starts for George_22:

(Start: 98 @18648 has 85 MA's), (138, 18744), (150, 18777), (151, 18780), (163, 18819), (239, 18954), (279, 19014), (287, 19020), (297, 19038), (312, 19062), (333, 19104), (459, 19416), (504, 19518), (545, 19608),

Gene: Georgie2_28 Start: 19096, Stop: 20112, Start Num: 92

Candidate Starts for Georgie2_28:

(Start: 92 @19096 has 316 MA's), (129, 19171), (138, 19189), (151, 19225), (163, 19264), (287, 19471), (310, 19510), (312, 19513), (426, 19780), (465, 19882), (499, 19957), (504, 19969), (545, 20059),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 25

Candidate Starts for Geraldini_22:

(Start: 25 @16027 has 231 MA's), (57, 16144), (116, 16234), (124, 16255), (130, 16276), (143, 16303), (264, 16558), (317, 16639), (354, 16714), (362, 16729), (441, 16840), (446, 16849), (455, 16882),

(493, 16975), (501, 16999), (540, 17092), (552, 17131), (555, 17149),

Gene: Gezellig_30 Start: 25052, Stop: 25996, Start Num: 79

Candidate Starts for Gezellig_30:

(Start: 79 @25052 has 33 MA's), (129, 25157), (155, 25226), (157, 25232), (168, 25256), (Start: 180 @25271 has 1 MA's), (395, 25631), (399, 25646), (412, 25664), (454, 25766), (468, 25808), (483, 25844), (519, 25940), (543, 25991),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 68

Candidate Starts for Ghobes_15:

(Start: 63 @13485 has 10 MA's), (Start: 68 @13491 has 23 MA's), (97, 13518), (99, 13521), (188, 13725), (189, 13728), (208, 13755), (250, 13830), (261, 13848), (332, 13956), (456, 14142), (457, 14145), (491, 14217), (517, 14283), (534, 14319), (543, 14343),

Gene: Ghoulboy_23 Start: 18814, Stop: 19827, Start Num: 98

Candidate Starts for Ghoulboy_23:

(Start: 98 @18814 has 85 MA's), (138, 18910), (150, 18943), (151, 18946), (163, 18985), (189, 19033), (287, 19186), (297, 19204), (312, 19228), (333, 19270), (459, 19582), (504, 19684), (513, 19711),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Gideon_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Gilberta_27 Start: 19727, Stop: 20749, Start Num: 92

Candidate Starts for Gilberta_27:

(Start: 92 @19727 has 316 MA's), (120, 19784), (147, 19859), (212, 19988), (239, 20048), (279, 20108), (287, 20114), (312, 20156), (334, 20201), (338, 20207), (368, 20291), (383, 20324), (504, 20606), (507, 20615), (512, 20630), (545, 20696),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Giles_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Gladiator_30 Start: 18950, Stop: 19966, Start Num: 92

Candidate Starts for Gladiator_30:

(Start: 92 @18950 has 316 MA's), (105, 18968), (120, 19004), (138, 19043), (182, 19148), (287, 19325), (310, 19364), (312, 19367), (355, 19454), (357, 19475), (406, 19601), (445, 19673), (504, 19823), (507, 19832), (545, 19913),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 86

Candidate Starts for Glaske16_28:

(Start: 86 @21456 has 21 MA's), (133, 21558), (142, 21576), (147, 21591), (182, 21663), (186, 21672), (230, 21750), (309, 21885), (310, 21888), (312, 21891), (352, 21960), (389, 22002), (392, 22008), (472, 22149), (485, 22170), (492, 22182), (547, 22305), (551, 22317),

Gene: GodSpeed_18 Start: 15640, Stop: 16833, Start Num: 25

Candidate Starts for GodSpeed_18:

(4, 15277), (Start: 17 @15604 has 1 MA's), (Start: 25 @15640 has 231 MA's), (57, 15766), (74, 15784), (105, 15835), (116, 15859), (130, 15901), (131, 15904), (145, 15934), (176, 16006), (187, 16030), (192, 16045), (205, 16090), (210, 16096), (296, 16240), (322, 16285), (333, 16309), (351, 16345), (441, 16510), (455, 16552), (526, 16729), (550, 16795),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 53

Candidate Starts for GodonK_88:

(Start: 53 @51377 has 20 MA's), (Start: 87 @51416 has 2 MA's), (133, 51521), (143, 51542), (159, 51593), (162, 51599), (184, 51632), (284, 51800), (305, 51830), (405, 52010), (433, 52064), (446, 52085), (451, 52103), (457, 52127), (466, 52154), (467, 52157), (469, 52163), (483, 52190), (493, 52208), (524, 52292), (527, 52298), (532, 52301),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for GoldenAsh_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Gollum_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Gollum_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (465, 16116), (471, 16134), (504, 16203), (556, 16341),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 25

Candidate Starts for Gomashi_17:

(4, 15145), (Start: 25 @15478 has 231 MA's), (57, 15598), (74, 15616), (104, 15661), (105, 15667), (129, 15730), (145, 15766), (173, 15835), (176, 15838), (186, 15859), (210, 15913), (231, 15958), (252, 15988), (316, 16090), (322, 16102), (328, 16114), (336, 16132), (423, 16297), (441, 16327), (449, 16345), (455, 16369), (502, 16489), (540, 16579), (550, 16612),

Gene: GoongGoong_48 Start: 25658, Stop: 26620, Start Num: 92

Candidate Starts for GoongGoong_48:

(Start: 92 @25658 has 316 MA's), (147, 25790), (155, 25814), (159, 25823), (161, 25829), (166, 25838), (182, 25862), (186, 25871), (191, 25883), (254, 26009), (302, 26090), (312, 26105), (316, 26111), (389, 26219), (465, 26345), (467, 26351), (535, 26501), (537, 26507), (542, 26519), (543, 26522), (561, 26609), (562, 26612), (563, 26615),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 53

Candidate Starts for GrandSlam_21:

(Start: 53 @16827 has 20 MA's), (Start: 87 @16872 has 2 MA's), (105, 16902), (151, 17010), (215, 17160), (233, 17208), (286, 17292), (292, 17301), (319, 17343), (414, 17520), (449, 17589), (511, 17751), (525, 17784), (551, 17856), (552, 17859),

Gene: Gratitude_28 Start: 19643, Stop: 20659, Start Num: 92

Candidate Starts for Gratitude_28:

(Start: 92 @19643 has 316 MA's), (129, 19718), (138, 19736), (151, 19772), (163, 19811), (260, 19988), (287, 20018), (310, 20057), (312, 20060), (504, 20516), (512, 20540),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 49

Candidate Starts for Gravaillia_21:

(Start: 49 @16042 has 23 MA's), (Start: 52 @16051 has 1 MA's), (114, 16147), (120, 16156), (122, 16165), (143, 16216), (145, 16222), (186, 16312), (188, 16318), (195, 16336), (221, 16405), (226, 16414), (233, 16435), (238, 16441), (243, 16447), (245, 16450), (286, 16522), (289, 16525), (377, 16681), (408, 16750), (444, 16822), (451, 16840), (467, 16894), (480, 16924), (493, 16951), (494, 16954), (509, 16990), (511, 16996), (515, 17008), (536, 17050), (540, 17065), (542, 17068), (550, 17098),

Gene: GreedyLawyer_30 Start: 18966, Stop: 19979, Start Num: 92

Candidate Starts for GreedyLawyer_30:

(Start: 92 @18966 has 316 MA's), (120, 19020), (138, 19059), (182, 19164), (260, 19311), (287, 19341), (310, 19380), (312, 19383), (334, 19428), (357, 19488), (445, 19686), (504, 19836), (507, 19845),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 25

Candidate Starts for Grizzly_17:

(4, 15147), (Start: 25 @15480 has 231 MA's), (57, 15600), (74, 15618), (104, 15663), (105, 15669), (129, 15732), (145, 15768), (173, 15837), (176, 15840), (186, 15861), (210, 15915), (231, 15960), (252, 15990), (316, 16092), (322, 16104), (328, 16116), (423, 16299), (441, 16329), (449, 16347), (455, 16371), (496, 16473), (502, 16491), (540, 16581), (550, 16614),

Gene: Groundhog_22 Start: 17602, Stop: 18624, Start Num: 98

Candidate Starts for Groundhog_22:

(Start: 98 @17602 has 85 MA's), (147, 17725), (150, 17731), (182, 17803), (239, 17908), (254, 17935), (312, 18025), (364, 18145), (394, 18226), (404, 18256), (406, 18259), (499, 18469), (513, 18508), (540, 18556), (545, 18571),

Gene: Gruunaga_30 Start: 18950, Stop: 19966, Start Num: 92

Candidate Starts for Gruunaga_30:

(Start: 92 @18950 has 316 MA's), (105, 18968), (120, 19004), (138, 19043), (182, 19148), (287, 19325), (310, 19364), (312, 19367), (355, 19454), (357, 19475), (406, 19601), (445, 19673), (504, 19823), (507, 19832), (545, 19913),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 63

Candidate Starts for Guacamole_18:

(Start: 63 @15791 has 10 MA's), (Start: 68 @15797 has 23 MA's), (147, 15953), (184, 16034), (243, 16133), (317, 16241), (371, 16325), (427, 16397), (492, 16526), (501, 16553), (510, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 25

Candidate Starts for Guanica15_22:

(Start: 25 @15243 has 231 MA's), (57, 15360), (116, 15450), (124, 15471), (143, 15519), (264, 15774), (317, 15855), (354, 15930), (362, 15945), (441, 16056), (455, 16098), (488, 16176), (493, 16191), (501, 16215), (540, 16308), (552, 16347), (555, 16365),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 29

Candidate Starts for Guillsminger_20:

(Start: 29 @16323 has 23 MA's), (129, 16563), (130, 16566), (143, 16593), (186, 16692), (231, 16794), (264, 16848), (287, 16878), (309, 16914), (310, 16917), (316, 16926), (353, 17001), (354, 17004), (398, 17082), (423, 17100), (427, 17106), (441, 17130), (443, 17133), (446, 17139), (455, 17172), (540, 17382), (552, 17421), (555, 17439),

Gene: Gustav_17 Start: 14305, Stop: 15132, Start Num: 94

Candidate Starts for Gustav_17:

(Start: 94 @14305 has 18 MA's), (116, 14350), (125, 14374), (128, 14383), (151, 14437), (209, 14554), (245, 14605), (248, 14608), (276, 14653), (304, 14701), (312, 14713), (354, 14782), (379, 14797), (430, 14890), (457, 14938), (462, 14953), (464, 14959), (466, 14965), (472, 14974), (480, 14989), (491, 15010), (492, 15013), (506, 15046), (509, 15055),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 75

Candidate Starts for Gustavo_33:

(Start: 75 @28679 has 54 MA's), (142, 28820), (157, 28865), (160, 28877), (168, 28889), (Start: 180 @28904 has 1 MA's), (186, 28916), (203, 28943), (211, 28958), (223, 28985), (279, 29075), (304, 29111), (338, 29171), (361, 29207), (395, 29267), (438, 29357), (468, 29447), (478, 29471), (483, 29483), (509, 29549), (514, 29564), (523, 29588), (532, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 92

Candidate Starts for GuuelaD_17:

(Start: 92 @16108 has 316 MA's), (107, 16132), (120, 16162), (309, 16513), (310, 16516), (312, 16519), (328, 16549), (377, 16606), (389, 16630), (392, 16636), (450, 16705), (454, 16723), (461, 16744), (492, 16810), (513, 16870), (514, 16873), (558, 17002), (560, 17014),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for HH92_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Hadrien_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 92

Candidate Starts for Hafay_17:

(Start: 92 @16107 has 316 MA's), (120, 16161), (170, 16287), (216, 16359), (309, 16512), (310, 16515), (312, 16518), (328, 16548), (377, 16605), (389, 16629), (392, 16635), (450, 16704), (454, 16722), (461, 16743), (485, 16797), (492, 16809), (514, 16872), (558, 17001), (560, 17013),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Hail_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 92

Candidate Starts for Halena_17:

(55, 15812), (Start: 78 @15848 has 9 MA's), (Start: 92 @15866 has 316 MA's), (107, 15890), (120, 15920), (125, 15935), (139, 15968), (216, 16112), (310, 16268), (312, 16271), (316, 16277), (338, 16322), (368, 16349), (392, 16388), (431, 16421), (439, 16430), (450, 16457), (497, 16577), (514,

16625), (529, 16652), (549, 16691), (551, 16697), (558, 16736),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 25

Candidate Starts for Halo_17:

(4, 15139), (Start: 25 @15472 has 231 MA's), (57, 15592), (74, 15610), (104, 15655), (105, 15661), (129, 15724), (145, 15760), (173, 15829), (176, 15832), (186, 15853), (210, 15907), (231, 15952), (252, 15982), (316, 16084), (322, 16096), (328, 16108), (336, 16126), (423, 16291), (441, 16321), (449, 16339), (455, 16363), (502, 16483), (540, 16573), (550, 16606),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 79

Candidate Starts for Halo3_31:

(Start: 79 @25345 has 33 MA's), (129, 25450), (155, 25519), (157, 25525), (168, 25549), (Start: 180 @25564 has 1 MA's), (395, 25924), (399, 25939), (412, 25957), (454, 26059), (468, 26101), (483, 26137), (519, 26233), (543, 26284),

Gene: Hammer_30 Start: 18965, Stop: 19981, Start Num: 92

Candidate Starts for Hammer_30:

(Start: 92 @18965 has 316 MA's), (105, 18983), (120, 19019), (138, 19058), (182, 19163), (287, 19340), (310, 19379), (312, 19382), (355, 19469), (357, 19490), (406, 19616), (445, 19688), (504, 19838), (507, 19847), (545, 19928),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 25

Candidate Starts for Hammy_21:

(Start: 25 @16436 has 231 MA's), (57, 16553), (74, 16571), (97, 16604), (116, 16643), (143, 16712), (186, 16811), (188, 16817), (231, 16913), (264, 16967), (309, 17033), (316, 17045), (398, 17201), (427, 17225), (455, 17291), (456, 17294), (457, 17297), (493, 17384), (540, 17501), (552, 17540), (555, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 53

Candidate Starts for Hamood_21:

(Start: 53 @16827 has 20 MA's), (Start: 87 @16872 has 2 MA's), (105, 16902), (151, 17010), (215, 17160), (233, 17208), (286, 17292), (292, 17301), (319, 17343), (414, 17520), (449, 17589), (511, 17751), (525, 17784), (551, 17856), (552, 17859),

Gene: Hanray_27 Start: 20531, Stop: 21544, Start Num: 92

Candidate Starts for Hanray_27:

(Start: 92 @20531 has 316 MA's), (105, 20549), (129, 20606), (138, 20624), (151, 20660), (239, 20840), (260, 20876), (287, 20906), (312, 20948), (380, 21107), (445, 21251), (465, 21314), (499, 21389), (504, 21401), (512, 21425),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 59

Candidate Starts for Hans_34:

(Start: 59 @28153 has 25 MA's), (129, 28276), (145, 28312), (168, 28372), (221, 28468), (293, 28579), (305, 28600), (366, 28702), (386, 28738), (481, 28954), (483, 28960), (491, 28975), (496, 28990), (509, 29026), (521, 29059), (522, 29062), (551, 29128),

Gene: Harlequin_22 Start: 15430, Stop: 16302, Start Num: 98

Candidate Starts for Harlequin_22:

(Start: 98 @15430 has 85 MA's), (116, 15469), (147, 15550), (150, 15556), (Start: 180 @15625 has 1 MA's), (224, 15703), (234, 15730), (312, 15841), (378, 15937), (465, 16066), (471, 16084), (499, 16141), (504, 16153), (556, 16291),

Gene: HarryHoudini_29 Start: 19660, Stop: 20676, Start Num: 92

Candidate Starts for HarryHoudini_29:

(Start: 92 @19660 has 316 MA's), (129, 19735), (138, 19753), (151, 19789), (163, 19828), (239, 19969), (287, 20035), (310, 20074), (312, 20077), (504, 20533), (512, 20557),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 25

Candidate Starts for HedwigODU_22:

(Start: 25 @16020 has 231 MA's), (57, 16137), (116, 16227), (124, 16248), (130, 16269), (143, 16296), (264, 16551), (317, 16632), (354, 16707), (362, 16722), (441, 16833), (455, 16875), (493, 16968), (501, 16992), (540, 17085), (552, 17124), (555, 17142),

Gene: Heffalump_29 Start: 21031, Stop: 22041, Start Num: 92

Candidate Starts for Heffalump_29:

(Start: 92 @21031 has 316 MA's), (129, 21106), (138, 21124), (151, 21160), (163, 21199), (287, 21406), (310, 21445), (312, 21448), (465, 21811), (499, 21886), (504, 21898), (545, 21988),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 29

Candidate Starts for Heftyboy_20:

(Start: 29 @16471 has 23 MA's), (104, 16645), (129, 16711), (130, 16714), (143, 16741), (186, 16840), (231, 16942), (264, 16996), (287, 17026), (309, 17062), (310, 17065), (316, 17074), (353, 17149), (354, 17152), (379, 17188), (398, 17230), (423, 17248), (427, 17254), (441, 17278), (443, 17281), (446, 17287), (455, 17320), (540, 17530), (552, 17569), (555, 17587),

Gene: Heinz_17 Start: 14187, Stop: 15035, Start Num: 94

Candidate Starts for Heinz_17:

(7, 13731), (28, 14007), (69, 14148), (Start: 94 @14187 has 18 MA's), (125, 14256), (136, 14286), (146, 14307), (157, 14340), (Start: 180 @14385 has 1 MA's), (251, 14499), (273, 14532), (276, 14538), (302, 14583), (312, 14598), (394, 14721), (397, 14730), (420, 14769), (440, 14802), (464, 14859), (488, 14901), (491, 14910), (509, 14961), (511, 14967), (526, 15006),

Gene: Helmet_30 Start: 18964, Stop: 19980, Start Num: 92

Candidate Starts for Helmet_30:

(Start: 92 @18964 has 316 MA's), (120, 19018), (138, 19057), (182, 19162), (260, 19309), (287, 19339), (310, 19378), (312, 19381), (355, 19468), (357, 19489), (406, 19615), (445, 19687), (504, 19837), (507, 19846), (545, 19927),

Gene: Herbertwm_24 Start: 17773, Stop: 18798, Start Num: 92

Candidate Starts for Herbertwm_24:

(Start: 92 @17773 has 316 MA's), (105, 17791), (129, 17848), (138, 17866), (151, 17902), (163, 17941), (239, 18082), (287, 18148), (312, 18190), (356, 18280), (377, 18343), (415, 18439), (499, 18643), (504, 18655), (512, 18679), (545, 18745), (549, 18754),

Gene: Hexamo_30 Start: 18932, Stop: 19948, Start Num: 92

Candidate Starts for Hexamo_30:

(Start: 92 @18932 has 316 MA's), (105, 18950), (120, 18986), (138, 19025), (182, 19130), (287, 19307), (310, 19346), (312, 19349), (355, 19436), (357, 19457), (406, 19583), (445, 19655), (504, 19805), (507, 19814), (545, 19895),

Gene: Hibiscus_17 Start: 14141, Stop: 14983, Start Num: 94

Candidate Starts for Hibiscus_17:

(69, 14102), (Start: 94 @14141 has 18 MA's), (125, 14210), (136, 14240), (146, 14261), (157, 14294), (179, 14336), (Start: 180 @14339 has 1 MA's), (312, 14546), (397, 14678), (440, 14750), (464, 14807), (488, 14849), (491, 14858), (509, 14909), (511, 14915), (526, 14954),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 41

Candidate Starts for Hilltopfarm_23:

(Start: 41 @18643 has 6 MA's), (Start: 85 @18709 has 1 MA's), (129, 18799), (131, 18805), (152, 18853), (171, 18901), (186, 18928), (200, 18955), (201, 18958), (214, 18979), (241, 19030), (274, 19081), (280, 19090), (296, 19117), (336, 19192), (348, 19216), (427, 19306), (441, 19330), (443, 19333), (455, 19369), (473, 19423), (478, 19432), (497, 19474), (498, 19477), (536, 19558), (539, 19567), (552, 19612),

Gene: HippoHollow_28 Start: 20959, Stop: 21969, Start Num: 92

Candidate Starts for HippoHollow_28:

(Start: 92 @20959 has 316 MA's), (120, 21013), (129, 21034), (138, 21052), (163, 21127), (287, 21334), (312, 21376), (368, 21511), (406, 21604), (426, 21637), (465, 21739), (499, 21814), (504, 21826), (545, 21916),

Gene: Hiro_22 Start: 15736, Stop: 16608, Start Num: 98

Candidate Starts for Hiro_22:

(Start: 98 @15736 has 85 MA's), (116, 15775), (150, 15862), (Start: 180 @15931 has 1 MA's), (224, 16009), (234, 16036), (312, 16147), (378, 16243), (465, 16372), (471, 16390), (504, 16459), (556, 16597),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 68

Candidate Starts for Hitter_18:

(Start: 63 @15787 has 10 MA's), (Start: 68 @15793 has 23 MA's), (147, 15949), (184, 16030), (243, 16129), (317, 16237), (371, 16321), (423, 16387), (451, 16432), (492, 16522), (510, 16564),

Gene: Horex_27 Start: 20531, Stop: 21544, Start Num: 92

Candidate Starts for Horex_27:

(Start: 92 @20531 has 316 MA's), (105, 20549), (129, 20606), (138, 20624), (151, 20660), (239, 20840), (260, 20876), (287, 20906), (312, 20948), (380, 21107), (445, 21251), (465, 21314), (499, 21389), (504, 21401), (512, 21425),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Homura_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Hoot_30 Start: 18945, Stop: 19958, Start Num: 92

Candidate Starts for Hoot_30:

(Start: 92 @18945 has 316 MA's), (120, 18999), (138, 19038), (182, 19143), (260, 19290), (287, 19320), (310, 19359), (312, 19362), (334, 19407), (357, 19467), (445, 19665), (504, 19815), (507, 19824),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Hope_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: HortumSL17_28 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for HortumSL17_28:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499, 21385), (504, 21397), (512, 21421),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Hotshotbaby7_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: HuhtaEnerson15_23 Start: 18648, Stop: 19661, Start Num: 98

Candidate Starts for HuhtaEnerson15_23:

(Start: 98 @18648 has 85 MA's), (138, 18744), (150, 18777), (151, 18780), (163, 18819), (239, 18954), (279, 19014), (287, 19020), (297, 19038), (312, 19062), (333, 19104), (459, 19416), (504, 19518), (545, 19608),

Gene: Huphlepuuff_51 Start: 26243, Stop: 27205, Start Num: 92

Candidate Starts for Huphlepuuff_51:

(Start: 92 @26243 has 316 MA's), (147, 26375), (155, 26399), (159, 26408), (161, 26414), (166, 26423), (182, 26447), (186, 26456), (191, 26468), (196, 26480), (254, 26594), (302, 26675), (312, 26690), (316, 26696), (389, 26804), (465, 26930), (467, 26936), (502, 27011), (535, 27086), (537, 27092), (542, 27104), (543, 27107), (561, 27194), (562, 27197), (563, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 25

Candidate Starts for Hurricane_21:

(Start: 25 @16451 has 231 MA's), (57, 16574), (104, 16637), (105, 16643), (120, 16673), (130, 16706), (176, 16811), (186, 16832), (214, 16895), (231, 16934), (252, 16964), (309, 17051), (328, 17087), (423, 17234), (441, 17264), (446, 17273), (455, 17306), (456, 17309), (457, 17312), (493, 17399), (529, 17486), (550, 17549), (552, 17555),

Gene: Hutc2_27 Start: 19733, Stop: 20755, Start Num: 92

Candidate Starts for Hutc2_27:

(Start: 92 @19733 has 316 MA's), (120, 19790), (147, 19865), (212, 19994), (239, 20054), (279, 20114), (287, 20120), (312, 20162), (334, 20207), (338, 20213), (368, 20297), (383, 20330), (504, 20612), (507, 20621), (512, 20636), (545, 20702),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Hyperbowlee_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: IPhane7_27 Start: 21457, Stop: 22368, Start Num: 86

Candidate Starts for IPhane7_27:

(Start: 86 @21457 has 21 MA's), (133, 21559), (142, 21577), (147, 21592), (182, 21664), (186, 21673), (230, 21751), (309, 21886), (310, 21889), (312, 21892), (352, 21961), (389, 22003), (392, 22009), (472, 22150), (485, 22171), (492, 22183), (547, 22306), (551, 22318),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 83

Candidate Starts for Ibrahim_18:

(Start: 83 @16018 has 11 MA's), (103, 16045), (111, 16063), (188, 16240), (189, 16243), (224, 16318), (260, 16384), (275, 16411), (310, 16468), (316, 16477), (466, 16714), (474, 16738), (517, 16837),

(525, 16858), (536, 16879), (548, 16918), (551, 16927),

Gene: IdentityCrisis_16 Start: 12920, Stop: 14107, Start Num: 15

Candidate Starts for IdentityCrisis_16:

(Start: 15 @12920 has 1 MA's), (21, 12968), (22, 12971), (32, 13034), (37, 13055), (Start: 68 @13130 has 23 MA's), (110, 13205), (149, 13313), (153, 13325), (154, 13328), (160, 13352), (174, 13373), (193, 13418), (242, 13499), (253, 13520), (259, 13529), (267, 13544), (272, 13550), (301, 13595), (303, 13598), (317, 13622), (319, 13625), (375, 13721), (446, 13853), (461, 13889), (462, 13892), (467, 13907), (497, 13979), (509, 14012), (511, 14018), (513, 14024), (514, 14027), (543, 14096),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 25

Candidate Starts for Illumine_22:

(Start: 25 @16034 has 231 MA's), (57, 16151), (124, 16262), (130, 16283), (143, 16310), (187, 16412), (264, 16565), (317, 16646), (343, 16700), (354, 16721), (362, 16736), (441, 16847), (455, 16889), (493, 16982), (501, 17006), (540, 17099), (552, 17138), (555, 17156),

Gene: Indra_30 Start: 18965, Stop: 19981, Start Num: 92

Candidate Starts for Indra_30:

(Start: 92 @18965 has 316 MA's), (120, 19019), (138, 19058), (182, 19163), (260, 19310), (287, 19340), (310, 19379), (312, 19382), (355, 19469), (357, 19490), (406, 19616), (445, 19688), (504, 19838), (507, 19847), (545, 19928),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Inky_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Insomnia_27 Start: 19788, Stop: 20810, Start Num: 92

Candidate Starts for Insomnia_27:

(Start: 92 @19788 has 316 MA's), (120, 19845), (147, 19920), (212, 20049), (239, 20109), (279, 20169), (287, 20175), (312, 20217), (334, 20262), (338, 20268), (368, 20352), (383, 20385), (504, 20667), (507, 20676), (512, 20691), (545, 20757),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 59

Candidate Starts for Inspectinfecti_33:

(Start: 59 @28515 has 25 MA's), (129, 28638), (145, 28674), (168, 28734), (221, 28830), (293, 28941), (305, 28962), (366, 29064), (386, 29100), (481, 29316), (483, 29322), (491, 29337), (496, 29352), (509, 29388), (521, 29421), (522, 29424), (551, 29490),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 29

Candidate Starts for InvictusManeo_20:

(Start: 29 @16423 has 23 MA's), (104, 16597), (129, 16663), (130, 16666), (143, 16693), (186, 16792), (231, 16894), (264, 16948), (287, 16978), (309, 17014), (310, 17017), (316, 17026), (353, 17101), (354, 17104), (379, 17140), (398, 17182), (423, 17200), (427, 17206), (441, 17230), (443, 17233), (455, 17272), (540, 17482), (552, 17521), (555, 17539),

Gene: IronMan_29 Start: 20734, Stop: 21750, Start Num: 92

Candidate Starts for IronMan_29:

(Start: 92 @20734 has 316 MA's), (129, 20809), (138, 20827), (163, 20902), (239, 21043), (256, 21073), (287, 21109), (312, 21151), (356, 21241), (368, 21292), (426, 21418), (459, 21505), (504, 21607), (512, 21631),

Gene: Isiphiwo_30 Start: 18957, Stop: 19970, Start Num: 92

Candidate Starts for Isiphiwo_30:

(Start: 92 @18957 has 316 MA's), (120, 19011), (138, 19050), (182, 19155), (260, 19302), (287, 19332), (310, 19371), (312, 19374), (334, 19419), (357, 19479), (445, 19677), (504, 19827), (507, 19836),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Itos_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Iwokeuplikedis_28 Start: 18928, Stop: 19938, Start Num: 92

Candidate Starts for Iwokeuplikedis_28:

(Start: 92 @18928 has 316 MA's), (129, 19003), (138, 19021), (163, 19096), (287, 19303), (312, 19345), (334, 19390), (368, 19480), (406, 19573), (465, 19708), (499, 19783), (504, 19795),

Gene: Izel_28 Start: 21456, Stop: 22367, Start Num: 86

Candidate Starts for Izel_28:

(Start: 86 @21456 has 21 MA's), (133, 21558), (142, 21576), (147, 21591), (182, 21663), (186, 21672), (230, 21750), (309, 21885), (310, 21888), (312, 21891), (352, 21960), (389, 22002), (392, 22008), (472, 22149), (485, 22170), (492, 22182), (547, 22305), (551, 22317),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 25

Candidate Starts for JAWS_22:

(Start: 25 @16005 has 231 MA's), (57, 16122), (116, 16212), (124, 16233), (130, 16254), (143, 16281), (264, 16536), (317, 16617), (354, 16692), (362, 16707), (441, 16818), (455, 16860), (493, 16953), (501, 16977), (540, 17070), (552, 17109), (555, 17127),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 25

Candidate Starts for JF1_23:

(Start: 25 @17489 has 231 MA's), (31, 17507), (Start: 45 @17579 has 1 MA's), (57, 17609), (116, 17699), (130, 17741), (142, 17765), (187, 17870), (312, 18092), (316, 18098), (397, 18248), (398, 18251), (423, 18269), (441, 18299), (455, 18341), (456, 18344), (473, 18395), (536, 18536), (540, 18551), (552, 18590), (555, 18608),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 75

Candidate Starts for JKSyngboy_31:

(Start: 75 @29254 has 54 MA's), (147, 29410), (157, 29440), (160, 29452), (168, 29464), (Start: 180 @29479 has 1 MA's), (186, 29491), (211, 29533), (277, 29647), (279, 29650), (304, 29686), (338, 29746), (351, 29770), (361, 29782), (395, 29842), (438, 29932), (468, 30022), (478, 30046), (483, 30058), (509, 30124), (514, 30139), (523, 30163), (532, 30175),

Gene: JSwag_29 Start: 18105, Stop: 19082, Start Num: 96

Candidate Starts for JSwag_29:

(Start: 96 @18105 has 22 MA's), (147, 18219), (150, 18225), (151, 18228), (269, 18462), (406, 18729), (442, 18783), (504, 18939),

Gene: Jaan_30 Start: 21123, Stop: 22139, Start Num: 92

Candidate Starts for Jaan_30:

(Start: 92 @21123 has 316 MA's), (129, 21198), (138, 21216), (163, 21291), (239, 21432), (256, 21462), (287, 21498), (312, 21540), (356, 21630), (364, 21666), (368, 21681), (426, 21807), (459, 21894), (504, 21996), (512, 22020),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 75

Candidate Starts for Jabberwocky_32:

(Start: 75 @30402 has 54 MA's), (157, 30588), (160, 30600), (Start: 180 @30627 has 1 MA's), (189, 30648), (223, 30708), (277, 30795), (279, 30798), (304, 30834), (325, 30867), (331, 30882), (338, 30894), (354, 30924), (361, 30930), (395, 30990), (438, 31080), (468, 31170), (478, 31194), (483, 31206), (509, 31272), (532, 31323),

Gene: Jabiru_23 Start: 18016, Stop: 19029, Start Num: 98

Candidate Starts for Jabiru_23:

(Start: 98 @18016 has 85 MA's), (138, 18112), (150, 18145), (151, 18148), (163, 18187), (239, 18322), (256, 18352), (279, 18382), (287, 18388), (297, 18406), (312, 18430), (333, 18472), (398, 18643), (504, 18886), (545, 18976),

Gene: Jabith_27 Start: 19788, Stop: 20810, Start Num: 92

Candidate Starts for Jabith_27:

(Start: 92 @19788 has 316 MA's), (120, 19845), (147, 19920), (212, 20049), (239, 20109), (279, 20169), (287, 20175), (312, 20217), (334, 20262), (338, 20268), (368, 20352), (383, 20385), (504, 20667), (507, 20676), (512, 20691), (545, 20757),

Gene: Jablanski_19 Start: 16772, Stop: 17680, Start Num: 90

Candidate Starts for Jablanski_19:

(Start: 90 @16772 has 26 MA's), (120, 16829), (174, 16964), (183, 16979), (185, 16982), (215, 17033), (282, 17141), (313, 17189), (327, 17213), (338, 17231), (340, 17237), (367, 17273), (446, 17429), (458, 17456), (462, 17468), (467, 17483), (488, 17528), (494, 17546), (497, 17555), (510, 17591), (511, 17594), (525, 17630), (529, 17636), (532, 17642),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 30

Candidate Starts for JacoRen57_16:

(Start: 30 @14312 has 4 MA's), (Start: 36 @14360 has 1 MA's), (Start: 85 @14465 has 1 MA's), (102, 14489), (104, 14492), (142, 14582), (144, 14588), (192, 14702), (197, 14711), (296, 14891), (316, 14924), (320, 14933), (391, 15062), (396, 15074), (398, 15083), (441, 15128), (446, 15137), (456, 15170), (463, 15191), (466, 15200), (493, 15260), (509, 15299), (511, 15305), (519, 15329), (550, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 65

Candidate Starts for Jalammah_20:

(Start: 65 @16587 has 14 MA's), (147, 16743), (184, 16824), (219, 16881), (222, 16890), (243, 16923), (317, 17031), (371, 17115), (423, 17181), (427, 17187), (492, 17316), (510, 17358),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 79

Candidate Starts for Jambalaya_30:

(Start: 79 @24699 has 33 MA's), (129, 24804), (155, 24873), (157, 24879), (168, 24903), (Start: 180 @24918 has 1 MA's), (395, 25278), (399, 25293), (412, 25311), (454, 25413), (468, 25455), (483, 25491), (519, 25587), (543, 25638),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Jane_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Jarvi_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 68

Candidate Starts for JasperJr_18:

(Start: 63 @15791 has 10 MA's), (Start: 68 @15797 has 23 MA's), (147, 15953), (184, 16034), (243, 16133), (317, 16241), (371, 16325), (427, 16397), (492, 16526), (501, 16553), (510, 16568),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 25

Candidate Starts for Jayhawk_22:

(Start: 25 @16018 has 231 MA's), (57, 16135), (116, 16225), (124, 16246), (130, 16267), (143, 16294), (264, 16549), (317, 16630), (354, 16705), (362, 16720), (441, 16831), (455, 16873), (493, 16966), (501, 16990), (540, 17083), (552, 17122), (555, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Jeckyll_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Jeeves_26 Start: 18193, Stop: 19215, Start Num: 92

Candidate Starts for Jeeves_26:

(Start: 92 @18193 has 316 MA's), (105, 18211), (120, 18247), (129, 18268), (138, 18286), (188, 18406), (260, 18538), (287, 18568), (310, 18607), (312, 18610), (334, 18655), (415, 18856), (418, 18862), (445, 18922), (504, 19072), (512, 19096),

Gene: Jeffabunny_30 Start: 18984, Stop: 20000, Start Num: 92

Candidate Starts for Jeffabunny_30:

(Start: 92 @18984 has 316 MA's), (105, 19002), (120, 19038), (138, 19077), (182, 19182), (287, 19359), (310, 19398), (312, 19401), (355, 19488), (357, 19509), (406, 19635), (445, 19707), (504, 19857), (507, 19866), (545, 19947),

Gene: Jeilious_17 Start: 15476, Stop: 16648, Start Num: 25

Candidate Starts for Jeilious_17:

(4, 15143), (Start: 25 @15476 has 231 MA's), (57, 15596), (74, 15614), (104, 15659), (105, 15665), (129, 15728), (145, 15764), (173, 15833), (176, 15836), (186, 15857), (210, 15911), (231, 15956), (252, 15986), (316, 16088), (322, 16100), (328, 16112), (336, 16130), (423, 16295), (441, 16325), (449, 16343), (455, 16367), (502, 16487), (540, 16577), (550, 16610),

Gene: Jerm_29 Start: 19620, Stop: 20636, Start Num: 92

Candidate Starts for Jerm_29:

(Start: 92 @19620 has 316 MA's), (129, 19695), (138, 19713), (151, 19749), (163, 19788), (287, 19995), (310, 20034), (312, 20037), (355, 20124), (426, 20304), (465, 20406), (499, 20481), (504, 20493),

Gene: Jester_22 Start: 15424, Stop: 16296, Start Num: 98

Candidate Starts for Jester_22:

(Start: 98 @15424 has 85 MA's), (116, 15463), (150, 15550), (Start: 180 @15619 has 1 MA's), (224, 15697), (234, 15724), (312, 15835), (378, 15931), (465, 16060), (471, 16078), (504, 16147), (556, 16285),

Gene: JewelBug_30 Start: 18971, Stop: 19984, Start Num: 92

Candidate Starts for JewelBug_30:

(Start: 92 @18971 has 316 MA's), (120, 19025), (138, 19064), (182, 19169), (260, 19316), (287, 19346), (310, 19385), (312, 19388), (334, 19433), (357, 19493), (445, 19691), (504, 19841), (507, 19850),

Gene: Jiawan_27 Start: 20563, Stop: 21576, Start Num: 92

Candidate Starts for Jiawan_27:

(Start: 92 @20563 has 316 MA's), (105, 20581), (129, 20638), (138, 20656), (151, 20692), (239, 20872), (260, 20908), (287, 20938), (312, 20980), (380, 21139), (445, 21283), (465, 21346), (499, 21421), (504, 21433), (512, 21457),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for Jobypre_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (466, 17138), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 78

Candidate Starts for JoeDirt_17:

(55, 15803), (58, 15806), (Start: 78 @15839 has 9 MA's), (Start: 92 @15857 has 316 MA's), (107, 15881), (120, 15911), (125, 15926), (139, 15959), (216, 16103), (256, 16184), (310, 16259), (312, 16262), (316, 16268), (338, 16313), (368, 16340), (389, 16373), (392, 16379), (431, 16412), (439, 16421), (450, 16448), (497, 16568), (514, 16616), (529, 16643), (549, 16682), (551, 16688), (558, 16727),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 92

Candidate Starts for JoieB_50:

(Start: 92 @26435 has 316 MA's), (147, 26567), (155, 26591), (159, 26600), (161, 26606), (166, 26615), (182, 26639), (186, 26648), (191, 26660), (254, 26786), (302, 26867), (312, 26882), (316, 26888), (389, 26996), (465, 27122), (467, 27128), (535, 27278), (537, 27284), (542, 27296), (543, 27299), (561, 27386), (562, 27389), (563, 27392),

Gene: Jojo24_17 Start: 14138, Stop: 14980, Start Num: 94

Candidate Starts for Jojo24_17:

(69, 14099), (Start: 94 @14138 has 18 MA's), (125, 14207), (136, 14237), (146, 14258), (157, 14291), (179, 14333), (Start: 180 @14336 has 1 MA's), (312, 14543), (397, 14675), (464, 14804), (488, 14846), (509, 14906), (511, 14912), (526, 14951),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Jolene_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 25

Candidate Starts for Jolie2_17:

(1, 13731), (4, 14433), (Start: 25 @14787 has 231 MA's), (Start: 45 @14886 has 1 MA's), (74, 14934), (104, 14979), (105, 14985), (116, 15009), (145, 15084), (173, 15153), (176, 15156), (187, 15180), (206, 15231), (210, 15237), (231, 15282), (322, 15426), (340, 15465), (351, 15486), (407, 15591),

(457, 15699), (496, 15795), (540, 15903), (550, 15936), (552, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 56

Candidate Starts for JonJames_46:

(Start: 56 @32084 has 2 MA's), (116, 32171), (142, 32237), (147, 32252), (150, 32258), (240, 32429), (280, 32486), (316, 32540), (329, 32564), (392, 32663), (398, 32681), (441, 32729), (451, 32747), (457, 32771), (531, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Jonghyun_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for JorRay_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Jordennis_30 Start: 18956, Stop: 19969, Start Num: 92

Candidate Starts for Jordennis_30:

(Start: 92 @18956 has 316 MA's), (120, 19010), (138, 19049), (182, 19154), (260, 19301), (287, 19331), (310, 19370), (312, 19373), (334, 19418), (357, 19478), (445, 19676), (504, 19826), (507, 19835),

Gene: Joselito_27 Start: 19736, Stop: 20758, Start Num: 92

Candidate Starts for Joselito_27:

(Start: 92 @19736 has 316 MA's), (120, 19793), (147, 19868), (212, 19997), (239, 20057), (279, 20117), (287, 20123), (312, 20165), (334, 20210), (338, 20216), (368, 20300), (383, 20333), (504, 20615), (507, 20624), (512, 20639), (545, 20705),

Gene: JoshKayV_29 Start: 19590, Stop: 20606, Start Num: 92

Candidate Starts for JoshKayV_29:

(Start: 92 @19590 has 316 MA's), (129, 19665), (138, 19683), (151, 19719), (163, 19758), (287, 19965), (310, 20004), (312, 20007), (355, 20094), (426, 20274), (465, 20376), (499, 20451), (504, 20463),

Gene: Journey13_25 Start: 18317, Stop: 19327, Start Num: 92

Candidate Starts for Journey13_25:

(Start: 92 @18317 has 316 MA's), (129, 18392), (138, 18410), (151, 18446), (163, 18485), (260, 18662), (287, 18692), (312, 18734), (334, 18779), (368, 18869), (406, 18962), (465, 19097), (504, 19184),

Gene: Jovo_23 Start: 18755, Stop: 19768, Start Num: 98

Candidate Starts for Jovo_23:

(Start: 98 @18755 has 85 MA's), (138, 18851), (150, 18884), (151, 18887), (163, 18926), (189, 18974), (287, 19127), (297, 19145), (312, 19169), (333, 19211), (459, 19523), (504, 19625), (513, 19652),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 25

Candidate Starts for Joy99_22:

(Start: 25 @15980 has 231 MA's), (57, 16097), (116, 16187), (124, 16208), (130, 16229), (143, 16256), (264, 16511), (317, 16592), (354, 16667), (362, 16682), (441, 16793), (455, 16835), (493, 16928), (501, 16952), (540, 17045), (552, 17084), (555, 17102),

Gene: Jsquared_26 Start: 18082, Stop: 19092, Start Num: 92

Candidate Starts for Jsquared_26:

(Start: 92 @18082 has 316 MA's), (120, 18136), (129, 18157), (138, 18175), (163, 18250), (287, 18457), (310, 18496), (312, 18499), (334, 18544), (406, 18727), (465, 18862), (504, 18949),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 65

Candidate Starts for JuJu_18:

(Start: 65 @15718 has 14 MA's), (Start: 83 @15733 has 11 MA's), (147, 15874), (184, 15955), (317, 16162), (371, 16246), (423, 16312), (451, 16357), (492, 16447), (501, 16474), (510, 16489),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 92

Candidate Starts for Jubie_18:

(Start: 92 @16491 has 316 MA's), (107, 16515), (125, 16560), (129, 16575), (139, 16596), (182, 16692), (260, 16827), (263, 16836), (310, 16896), (312, 16899), (316, 16905), (368, 16977), (389, 17010), (394, 17022), (450, 17085), (466, 17139), (473, 17160), (499, 17211), (514, 17253), (558, 17364), (559, 17367),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 25

Candidate Starts for Juliette_23:

(Start: 25 @17390 has 231 MA's), (Start: 45 @17480 has 1 MA's), (57, 17510), (116, 17600), (130, 17642), (131, 17645), (137, 17657), (312, 17993), (316, 17999), (353, 18074), (398, 18152), (422, 18167), (441, 18200), (455, 18242), (456, 18245), (494, 18338), (540, 18452), (552, 18491), (555, 18509),

Gene: JustASigh_17 Start: 15253, Stop: 16359, Start Num: 45

Candidate Starts for JustASigh_17:

(Start: 45 @15253 has 1 MA's), (Start: 49 @15268 has 23 MA's), (71, 15298), (Start: 72 @15301 has 5 MA's), (124, 15397), (142, 15442), (143, 15445), (145, 15451), (151, 15466), (190, 15550), (238, 15670), (275, 15727), (284, 15742), (321, 15805), (363, 15886), (377, 15904), (444, 16045), (497, 16186), (498, 16189), (509, 16213), (525, 16252), (536, 16273), (542, 16291),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 92

Candidate Starts for Kahlid_17:

(Start: 92 @16079 has 316 MA's), (107, 16103), (120, 16133), (170, 16259), (216, 16331), (309, 16484), (310, 16487), (312, 16490), (328, 16520), (377, 16577), (389, 16601), (392, 16607), (450, 16676), (454, 16694), (461, 16715), (485, 16769), (492, 16781), (514, 16844), (558, 16973), (560, 16985),

Gene: Kalpine_30 Start: 20976, Stop: 21989, Start Num: 92

Candidate Starts for Kalpine_30:

(Start: 92 @20976 has 316 MA's), (105, 20994), (129, 21051), (138, 21069), (151, 21105), (163, 21144), (287, 21351), (310, 21390), (312, 21393), (334, 21438), (357, 21498), (377, 21543), (406, 21624), (426, 21657), (504, 21846), (507, 21855), (512, 21870),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 75

Candidate Starts for Kamashten_33:

(Start: 75 @29854 has 54 MA's), (157, 30040), (160, 30052), (Start: 180 @30079 has 1 MA's), (189, 30100), (223, 30160), (277, 30247), (279, 30250), (304, 30286), (325, 30319), (331, 30334), (338, 30346), (354, 30376), (361, 30382), (395, 30442), (438, 30532), (468, 30622), (478, 30646), (483,

30658), (509, 30724), (514, 30739), (523, 30763), (532, 30775),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 68

Candidate Starts for KappaFarmDelta_18:

(Start: 63 @15955 has 10 MA's), (Start: 68 @15961 has 23 MA's), (113, 16027), (147, 16117), (184, 16198), (317, 16405), (371, 16489), (423, 16555), (427, 16561), (492, 16690), (501, 16717), (510, 16732),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Kareem_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 25

Candidate Starts for Kasen3_17:

(4, 15145), (Start: 25 @15478 has 231 MA's), (57, 15598), (74, 15616), (104, 15661), (105, 15667), (129, 15730), (145, 15766), (173, 15835), (176, 15838), (186, 15859), (210, 15913), (231, 15958), (252, 15988), (316, 16090), (322, 16102), (328, 16114), (336, 16132), (423, 16297), (441, 16327), (449, 16345), (455, 16369), (502, 16489), (540, 16579), (550, 16612),

Gene: KatherineG_29 Start: 18241, Stop: 19218, Start Num: 96

Candidate Starts for KatherineG_29:

(Start: 96 @18241 has 22 MA's), (147, 18355), (150, 18361), (151, 18364), (269, 18598), (406, 18865), (442, 18919), (504, 19075),

Gene: Kazan_30 Start: 18972, Stop: 19985, Start Num: 92

Candidate Starts for Kazan_30:

(Start: 92 @18972 has 316 MA's), (120, 19026), (138, 19065), (182, 19170), (260, 19317), (287, 19347), (310, 19386), (312, 19389), (334, 19434), (357, 19494), (445, 19692), (504, 19842), (507, 19851),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 75

Candidate Starts for Keitabear_34:

(Start: 75 @31219 has 54 MA's), (157, 31405), (160, 31417), (Start: 180 @31444 has 1 MA's), (279, 31615), (304, 31651), (325, 31684), (331, 31699), (338, 31711), (354, 31741), (361, 31747), (395, 31807), (438, 31897), (468, 31987), (478, 32011), (483, 32023), (509, 32089), (514, 32104), (532, 32140),

Gene: Kerberos_30 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for Kerberos_30:

(Start: 92 @19042 has 316 MA's), (129, 19117), (138, 19135), (219, 19306), (256, 19381), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 25

Candidate Starts for Keshu_21:

(Start: 25 @16443 has 231 MA's), (57, 16566), (104, 16629), (105, 16635), (120, 16665), (130, 16698), (176, 16803), (186, 16824), (188, 16830), (214, 16887), (231, 16926), (252, 16956), (264, 16980), (309, 17043), (328, 17079), (423, 17226), (441, 17256), (446, 17265), (455, 17298), (456, 17301), (457, 17304), (493, 17391), (529, 17478), (550, 17541), (552, 17547),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 75

Candidate Starts for Kewpiedoll_33:

(Start: 75 @29261 has 54 MA's), (157, 29447), (160, 29459), (Start: 180 @29486 has 1 MA's), (189, 29507), (223, 29567), (279, 29657), (304, 29693), (325, 29726), (331, 29741), (338, 29753), (354, 29783), (361, 29789), (395, 29849), (438, 29939), (468, 30029), (478, 30053), (483, 30065), (509, 30131), (514, 30146), (523, 30170), (532, 30182),

Gene: Keziacharles14_26 Start: 18620, Stop: 19642, Start Num: 92

Candidate Starts for Keziacharles14_26:

(Start: 92 @18620 has 316 MA's), (120, 18674), (138, 18713), (212, 18869), (239, 18929), (260, 18965), (287, 18995), (306, 19028), (312, 19037), (334, 19082), (377, 19187), (415, 19283), (499, 19487), (504, 19499), (507, 19508), (512, 19523), (545, 19589),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 25

Candidate Starts for KiSi_21:

(Start: 25 @15189 has 231 MA's), (57, 15306), (74, 15324), (124, 15417), (143, 15465), (231, 15666), (264, 15720), (296, 15765), (309, 15786), (336, 15840), (353, 15873), (362, 15891), (398, 15954), (455, 16044), (456, 16047), (473, 16098), (493, 16137), (540, 16254), (552, 16293), (555, 16311),

Gene: Kimba_27 Start: 19788, Stop: 20810, Start Num: 92

Candidate Starts for Kimba_27:

(Start: 92 @19788 has 316 MA's), (120, 19845), (147, 19920), (212, 20049), (239, 20109), (279, 20169), (287, 20175), (312, 20217), (334, 20262), (338, 20268), (368, 20352), (383, 20385), (504, 20667), (507, 20676), (512, 20691), (545, 20757),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 79

Candidate Starts for KimmyK_32:

(Start: 79 @25634 has 33 MA's), (129, 25739), (155, 25808), (157, 25814), (168, 25838), (Start: 180 @25853 has 1 MA's), (395, 26213), (399, 26228), (412, 26246), (454, 26348), (468, 26390), (483, 26426), (519, 26522), (543, 26573),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Kinbote_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: KingCyrus_29 Start: 19587, Stop: 20603, Start Num: 92

Candidate Starts for KingCyrus_29:

(Start: 92 @19587 has 316 MA's), (129, 19662), (138, 19680), (151, 19716), (163, 19755), (287, 19962), (310, 20001), (312, 20004), (355, 20091), (426, 20271), (465, 20373), (499, 20448), (504, 20460),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for Kingsolomon_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (466, 17138), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: Kinmap_27 Start: 18591, Stop: 19607, Start Num: 92

Candidate Starts for Kinmap_27:

(Start: 92 @18591 has 316 MA's), (129, 18666), (138, 18684), (151, 18720), (287, 18966), (312, 19008), (355, 19095), (357, 19116), (379, 19167), (398, 19221), (499, 19452), (512, 19488),

Gene: Kipper29_30 Start: 18966, Stop: 19979, Start Num: 92

Candidate Starts for Kipper29_30:

(Start: 92 @18966 has 316 MA's), (120, 19020), (138, 19059), (182, 19164), (260, 19311), (287, 19341), (310, 19380), (312, 19383), (334, 19428), (357, 19488), (445, 19686), (504, 19836), (507, 19845),

Gene: KirDoubleO7_16 Start: 16499, Stop: 17389, Start Num: 92

Candidate Starts for KirDoubleO7_16:

(Start: 92 @16499 has 316 MA's), (107, 16523), (125, 16568), (129, 16583), (139, 16604), (182, 16700), (186, 16709), (260, 16835), (263, 16844), (310, 16904), (312, 16907), (316, 16913), (368, 16985), (389, 17018), (394, 17030), (450, 17093), (473, 17168), (499, 17219), (514, 17261), (558, 17372), (559, 17375),

Gene: KleverKiS_27 Start: 21440, Stop: 22351, Start Num: 86

Candidate Starts for KleverKiS_27:

(Start: 86 @21440 has 21 MA's), (133, 21542), (142, 21560), (147, 21575), (182, 21647), (230, 21734), (309, 21869), (310, 21872), (312, 21875), (352, 21944), (389, 21986), (392, 21992), (472, 22133), (485, 22154), (492, 22166), (547, 22289), (551, 22301),

Gene: Klodlith_27 Start: 18680, Stop: 19702, Start Num: 92

Candidate Starts for Klodlith_27:

(Start: 92 @18680 has 316 MA's), (105, 18698), (120, 18734), (138, 18773), (239, 18989), (260, 19025), (287, 19055), (312, 19097), (334, 19142), (377, 19247), (402, 19319), (415, 19343), (418, 19349), (499, 19547), (504, 19559), (507, 19568), (512, 19583), (545, 19649),

Gene: Koduck_28 Start: 18322, Stop: 19332, Start Num: 92

Candidate Starts for Koduck_28:

(Start: 92 @18322 has 316 MA's), (120, 18376), (129, 18397), (138, 18415), (163, 18490), (287, 18697), (310, 18736), (312, 18739), (406, 18967), (465, 19102), (499, 19177), (504, 19189),

Gene: Koko_30 Start: 19301, Stop: 20317, Start Num: 92

Candidate Starts for Koko_30:

(Start: 92 @19301 has 316 MA's), (105, 19319), (120, 19355), (138, 19394), (151, 19430), (182, 19499), (287, 19676), (310, 19715), (312, 19718), (355, 19805), (357, 19826), (406, 19952), (445, 20024), (504, 20174), (507, 20183), (545, 20264),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 29

Candidate Starts for Kratio_19:

(Start: 29 @16054 has 23 MA's), (104, 16228), (129, 16294), (130, 16297), (143, 16324), (186, 16423), (231, 16525), (264, 16579), (287, 16609), (309, 16645), (310, 16648), (316, 16657), (353, 16732), (354, 16735), (379, 16771), (398, 16813), (423, 16831), (427, 16837), (441, 16861), (443, 16864), (455, 16903), (497, 17008), (540, 17113), (552, 17152), (555, 17170),

Gene: Kraw_23 Start: 17413, Stop: 18546, Start Num: 25

Candidate Starts for Kraw_23:

(Start: 25 @17413 has 231 MA's), (31, 17431), (Start: 45 @17503 has 1 MA's), (57, 17533), (116, 17623), (130, 17665), (142, 17689), (187, 17794), (312, 18016), (316, 18022), (397, 18172), (398, 18175), (423, 18193), (441, 18223), (455, 18265), (456, 18268), (473, 18319), (536, 18460), (540, 18475), (552, 18514), (555, 18532),

Gene: Krishelle_22 Start: 15751, Stop: 16623, Start Num: 98

Candidate Starts for Krishelle_22:

(Start: 98 @15751 has 85 MA's), (116, 15790), (150, 15877), (Start: 180 @15946 has 1 MA's), (224, 16024), (234, 16051), (312, 16162), (378, 16258), (465, 16387), (471, 16405), (504, 16474), (556, 16612),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 75

Candidate Starts for Kroos_34:

(Start: 75 @29432 has 54 MA's), (147, 29588), (157, 29618), (160, 29630), (168, 29642), (Start: 180 @29657 has 1 MA's), (186, 29669), (279, 29828), (304, 29864), (338, 29924), (361, 29960), (395, 30020), (438, 30110), (468, 30200), (478, 30224), (483, 30236), (509, 30302), (514, 30317), (523, 30341), (532, 30353),

Gene: Kropertea_17 Start: 15715, Stop: 16602, Start Num: 92

Candidate Starts for Kropertea_17:

(Start: 92 @15715 has 316 MA's), (107, 15739), (119, 15766), (120, 15769), (125, 15784), (139, 15817), (182, 15913), (260, 16048), (263, 16057), (310, 16117), (312, 16120), (368, 16198), (379, 16213), (392, 16237), (450, 16306), (456, 16330), (466, 16360), (497, 16426), (514, 16474), (529, 16501), (558, 16585),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 25

Candidate Starts for Krueger_21:

(Start: 25 @15170 has 231 MA's), (57, 15290), (116, 15380), (143, 15449), (231, 15650), (317, 15785), (319, 15788), (362, 15875), (397, 15935), (423, 15956), (441, 15986), (455, 16028), (456, 16031), (457, 16034), (493, 16121), (501, 16145), (536, 16223), (540, 16238), (552, 16277), (555, 16295),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 92

Candidate Starts for Krypton555_18:

(Start: 92 @16428 has 316 MA's), (107, 16452), (125, 16497), (129, 16512), (139, 16533), (182, 16629), (260, 16764), (263, 16773), (310, 16833), (312, 16836), (316, 16842), (368, 16914), (389, 16947), (394, 16959), (450, 17022), (466, 17076), (473, 17097), (499, 17148), (514, 17190), (558, 17301), (559, 17304),

Gene: Kudrefre_26 Start: 20872, Stop: 21783, Start Num: 92

Candidate Starts for Kudrefre_26:

(Start: 92 @20872 has 316 MA's), (101, 20887), (234, 21178), (236, 21181), (297, 21280), (309, 21298), (312, 21304), (325, 21328), (389, 21415), (392, 21421), (436, 21469), (464, 21547), (465, 21550), (491, 21601), (510, 21655), (529, 21697), (548, 21733), (549, 21736), (553, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 81

Candidate Starts for Kumao_27:

(Start: 81 @20552 has 1 MA's), (111, 20600), (129, 20651), (147, 20693), (153, 20708), (163, 20735), (182, 20765), (260, 20906), (309, 20987), (310, 20990), (312, 20993), (316, 20999), (389, 21104), (392, 21110), (485, 21272), (499, 21305), (509, 21332), (532, 21380), (551, 21419), (557, 21455),

Gene: Kuwabara_18 Start: 15067, Stop: 15990, Start Num: 90

Candidate Starts for Kuwabara_18:

(Start: 87 @15064 has 2 MA's), (Start: 90 @15067 has 26 MA's), (120, 15124), (155, 15226), (159, 15238), (178, 15262), (183, 15271), (185, 15274), (186, 15277), (221, 15340), (247, 15373), (265, 15409), (304, 15469), (313, 15481), (327, 15505), (340, 15529), (341, 15532), (343, 15535), (446, 15721), (457, 15763), (458, 15766), (461, 15775), (462, 15778), (466, 15790), (467, 15793), (471, 15805), (476, 15817), (488, 15838), (491, 15847), (494, 15856), (510, 15901), (511, 15904), (513,

15910), (529, 15946), (532, 15952),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 59

Candidate Starts for Kwekel_31:

(Start: 59 @26508 has 25 MA's), (73, 26520), (Start: 87 @26541 has 2 MA's), (93, 26547), (115, 26586), (118, 26595), (129, 26631), (138, 26649), (142, 26658), (168, 26727), (221, 26823), (244, 26856), (343, 27024), (366, 27057), (386, 27093), (423, 27168), (466, 27273), (468, 27279), (483, 27309), (496, 27336), (509, 27372), (521, 27405), (551, 27474),

Gene: Kwobi_35 Start: 29418, Stop: 30374, Start Num: 75

Candidate Starts for Kwobi_35:

(Start: 75 @29418 has 54 MA's), (147, 29574), (157, 29604), (160, 29616), (168, 29628), (Start: 180 @29643 has 1 MA's), (186, 29655), (279, 29814), (304, 29850), (338, 29910), (361, 29946), (395, 30006), (438, 30096), (468, 30186), (478, 30210), (483, 30222), (509, 30288), (514, 30303), (523, 30327), (532, 30339),

Gene: L5_27 Start: 18333, Stop: 19343, Start Num: 92

Candidate Starts for L5_27:

(Start: 92 @18333 has 316 MA's), (120, 18387), (129, 18408), (138, 18426), (163, 18501), (287, 18708), (310, 18747), (312, 18750), (406, 18978), (465, 19113), (499, 19188), (504, 19200),

Gene: LadyBird_27 Start: 19164, Stop: 20174, Start Num: 92

Candidate Starts for LadyBird_27:

(Start: 92 @19164 has 316 MA's), (120, 19218), (138, 19257), (163, 19332), (239, 19473), (287, 19539), (310, 19578), (312, 19581), (406, 19809), (465, 19944), (472, 19965), (499, 20019), (504, 20031), (545, 20121),

Gene: Landor_28 Start: 20775, Stop: 21791, Start Num: 92

Candidate Starts for Landor_28:

(Start: 92 @20775 has 316 MA's), (129, 20850), (138, 20868), (163, 20943), (239, 21084), (256, 21114), (287, 21150), (312, 21192), (356, 21282), (364, 21318), (368, 21333), (426, 21459), (459, 21546), (504, 21648), (512, 21672),

Gene: Larenn_28 Start: 19455, Stop: 20471, Start Num: 92

Candidate Starts for Larenn_28:

(Start: 92 @19455 has 316 MA's), (129, 19530), (138, 19548), (151, 19584), (163, 19623), (239, 19764), (287, 19830), (310, 19869), (312, 19872), (406, 20106), (472, 20262), (504, 20328), (512, 20352),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 29

Candidate Starts for Larva_20:

(Start: 29 @16169 has 23 MA's), (104, 16343), (129, 16409), (143, 16439), (186, 16538), (231, 16640), (264, 16694), (287, 16724), (309, 16760), (310, 16763), (316, 16772), (353, 16847), (354, 16850), (379, 16886), (398, 16928), (423, 16946), (427, 16952), (441, 16976), (443, 16979), (455, 17018), (496, 17120), (540, 17228), (552, 17267), (555, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 25

Candidate Starts for LastHope_22:

(Start: 25 @15314 has 231 MA's), (57, 15431), (124, 15542), (143, 15590), (187, 15692), (264, 15845), (317, 15926), (362, 16016), (441, 16127), (455, 16169), (493, 16262), (501, 16286), (540, 16379), (552, 16418), (555, 16436),

Gene: LastResort_29 Start: 18122, Stop: 19099, Start Num: 96

Candidate Starts for LastResort_29:

(Start: 96 @18122 has 22 MA's), (147, 18236), (150, 18242), (151, 18245), (269, 18479), (406, 18746), (442, 18800), (504, 18956),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 25

Candidate Starts for LaterM_22:

(Start: 25 @15979 has 231 MA's), (57, 16096), (124, 16207), (130, 16228), (143, 16255), (187, 16357), (264, 16510), (317, 16591), (362, 16681), (441, 16792), (455, 16834), (493, 16927), (501, 16951), (540, 17044), (552, 17083), (555, 17101),

Gene: Lavahound_20 Start: 16119, Stop: 17255, Start Num: 25

Candidate Starts for Lavahound_20:

(Start: 25 @16119 has 231 MA's), (57, 16236), (97, 16287), (143, 16395), (187, 16497), (188, 16500), (231, 16596), (264, 16650), (309, 16716), (316, 16728), (455, 16974), (456, 16977), (501, 17091), (540, 17184), (552, 17223), (555, 17241),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 78

Candidate Starts for LeBron_17:

(Start: 78 @15873 has 9 MA's), (Start: 92 @15891 has 316 MA's), (107, 15915), (120, 15945), (125, 15960), (139, 15993), (216, 16137), (256, 16218), (310, 16293), (312, 16296), (316, 16302), (338, 16347), (368, 16374), (389, 16407), (392, 16413), (431, 16446), (439, 16455), (450, 16482), (497, 16602), (514, 16650), (549, 16716), (551, 16722), (558, 16761),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 25

Candidate Starts for LeMond_21:

(Start: 25 @15260 has 231 MA's), (57, 15377), (74, 15395), (104, 15440), (124, 15488), (143, 15536), (231, 15737), (264, 15791), (296, 15836), (309, 15857), (336, 15911), (353, 15944), (362, 15962), (398, 16025), (455, 16115), (456, 16118), (473, 16169), (493, 16208), (540, 16325), (552, 16364), (555, 16382),

Gene: Lea83_21 Start: 16440, Stop: 17576, Start Num: 25

Candidate Starts for Lea83_21:

(Start: 25 @16440 has 231 MA's), (57, 16563), (104, 16626), (105, 16632), (120, 16662), (176, 16800), (186, 16821), (188, 16827), (214, 16884), (231, 16923), (252, 16953), (309, 17040), (328, 17076), (423, 17223), (441, 17253), (446, 17262), (455, 17295), (456, 17298), (457, 17301), (493, 17388), (529, 17475), (550, 17538), (552, 17544),

Gene: Lebo14_23 Start: 17506, Stop: 18639, Start Num: 25

Candidate Starts for Lebo14_23:

(Start: 25 @17506 has 231 MA's), (31, 17524), (Start: 45 @17596 has 1 MA's), (57, 17626), (116, 17716), (130, 17758), (142, 17782), (187, 17887), (264, 18040), (312, 18109), (316, 18115), (398, 18268), (423, 18286), (441, 18316), (455, 18358), (456, 18361), (536, 18553), (540, 18568), (552, 18607), (555, 18625),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 25

Candidate Starts for Lemuria_17:

(Start: 25 @14821 has 231 MA's), (74, 14968), (104, 15013), (105, 15019), (142, 15109), (173, 15187), (176, 15190), (186, 15211), (187, 15214), (206, 15265), (210, 15271), (231, 15316), (322, 15460), (336, 15490), (353, 15523), (407, 15625), (427, 15661), (441, 15685), (457, 15733), (496, 15829), (533, 15916), (540, 15937), (550, 15970), (552, 15976),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 75

Candidate Starts for Lennon_34:

(Start: 75 @31006 has 54 MA's), (157, 31192), (160, 31204), (Start: 180 @31231 has 1 MA's), (189, 31252), (223, 31312), (277, 31399), (279, 31402), (304, 31438), (325, 31471), (331, 31486), (338, 31498), (354, 31528), (361, 31534), (395, 31594), (438, 31684), (468, 31774), (478, 31798), (483, 31810), (509, 31876), (532, 31927), (543, 31957),

Gene: Leogania_29 Start: 21323, Stop: 22333, Start Num: 92

Candidate Starts for Leogania_29:

(Start: 92 @21323 has 316 MA's), (129, 21398), (138, 21416), (151, 21452), (163, 21491), (260, 21668), (287, 21698), (310, 21737), (312, 21740), (406, 21968), (465, 22103), (499, 22178), (504, 22190), (545, 22280),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 59

Candidate Starts for Leonard_32:

(Start: 59 @28151 has 25 MA's), (129, 28274), (145, 28310), (168, 28370), (221, 28466), (293, 28577), (305, 28598), (366, 28700), (379, 28721), (386, 28736), (416, 28793), (443, 28844), (481, 28952), (483, 28958), (491, 28973), (497, 28991), (509, 29024), (521, 29057), (522, 29060), (551, 29126),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 29

Candidate Starts for Leston_20:

(Start: 29 @16453 has 23 MA's), (129, 16693), (130, 16696), (143, 16723), (186, 16822), (231, 16924), (264, 16978), (287, 17008), (309, 17044), (310, 17047), (316, 17056), (353, 17131), (354, 17134), (398, 17212), (423, 17230), (427, 17236), (441, 17260), (443, 17263), (446, 17269), (455, 17302), (540, 17512), (552, 17551), (555, 17569),

Gene: Lev2_23 Start: 18467, Stop: 19480, Start Num: 98

Candidate Starts for Lev2_23:

(Start: 98 @18467 has 85 MA's), (138, 18563), (150, 18596), (151, 18599), (163, 18638), (189, 18686), (287, 18839), (297, 18857), (312, 18881), (333, 18923), (459, 19235), (504, 19337), (513, 19364), (545, 19427),

Gene: Leviathan_29 Start: 19676, Stop: 20692, Start Num: 92

Candidate Starts for Leviathan_29:

(Start: 92 @19676 has 316 MA's), (129, 19751), (138, 19769), (151, 19805), (163, 19844), (287, 20051), (310, 20090), (312, 20093), (355, 20180), (426, 20360), (465, 20462), (499, 20537), (504, 20549),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Lewan_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 25

Candidate Starts for Liefie_17:

(4, 15143), (Start: 25 @15476 has 231 MA's), (57, 15596), (74, 15614), (104, 15659), (105, 15665), (129, 15728), (145, 15764), (173, 15833), (176, 15836), (186, 15857), (210, 15911), (231, 15956), (252, 15986), (316, 16088), (322, 16100), (336, 16130), (423, 16295), (441, 16325), (449, 16343), (455, 16367), (502, 16487), (540, 16577), (550, 16610),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 92

Candidate Starts for LilDestine_17:

(Start: 92 @16073 has 316 MA's), (107, 16097), (120, 16127), (170, 16253), (216, 16325), (309, 16478), (310, 16481), (312, 16484), (328, 16514), (377, 16571), (389, 16595), (392, 16601), (450,

16670), (454, 16688), (461, 16709), (492, 16775), (514, 16838), (558, 16967), (560, 16979),

Gene: LilDirt_19 Start: 16180, Stop: 17310, Start Num: 29

Candidate Starts for LilDirt_19:

(Start: 29 @16180 has 23 MA's), (104, 16354), (129, 16420), (130, 16423), (143, 16450), (186, 16549), (231, 16651), (264, 16705), (287, 16735), (309, 16771), (310, 16774), (316, 16783), (353, 16858), (354, 16861), (379, 16897), (398, 16939), (423, 16957), (427, 16963), (441, 16987), (443, 16990), (455, 17029), (540, 17239), (552, 17278), (555, 17296),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 75

Candidate Starts for LilHam_31:

(Start: 75 @28021 has 54 MA's), (157, 28207), (160, 28219), (168, 28231), (Start: 180 @28246 has 1 MA's), (186, 28258), (203, 28285), (211, 28300), (223, 28327), (279, 28417), (304, 28453), (338, 28513), (351, 28537), (361, 28549), (395, 28609), (438, 28699), (468, 28789), (478, 28813), (483, 28825), (509, 28891), (514, 28906), (523, 28930), (532, 28942),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for LilHazelnut_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: LilJank_27 Start: 22752, Stop: 23663, Start Num: 92

Candidate Starts for LilJank_27:

(Start: 80 @22737 has 1 MA's), (Start: 92 @22752 has 316 MA's), (120, 22809), (129, 22839), (160, 22917), (182, 22953), (222, 23028), (236, 23061), (260, 23097), (309, 23178), (310, 23181), (325, 23208), (328, 23214), (347, 23241), (392, 23301), (394, 23307), (465, 23430), (466, 23433), (473, 23454), (492, 23484), (495, 23493), (509, 23532), (510, 23535), (529, 23577), (540, 23592), (543, 23598), (549, 23616), (553, 23631),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for LilPharaoh_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: LilTurb_29 Start: 19679, Stop: 20695, Start Num: 92

Candidate Starts for LilTurb_29:

(Start: 92 @19679 has 316 MA's), (129, 19754), (138, 19772), (151, 19808), (163, 19847), (287, 20054), (310, 20093), (312, 20096), (355, 20183), (426, 20363), (465, 20465), (499, 20540), (504, 20552),

Gene: Lilas_19 Start: 16810, Stop: 17718, Start Num: 90

Candidate Starts for Lilas_19:

(Start: 90 @16810 has 26 MA's), (120, 16867), (183, 17017), (185, 17020), (215, 17071), (257, 17140), (282, 17179), (313, 17227), (327, 17251), (340, 17275), (446, 17467), (458, 17494), (461, 17503), (462, 17506), (467, 17521), (486, 17563), (488, 17566), (497, 17593), (510, 17629), (514, 17641), (529, 17674), (532, 17680),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 52

Candidate Starts for Lilbeanie_29:

(Start: 52 @23420 has 1 MA's), (Start: 60 @23426 has 10 MA's), (93, 23471), (109, 23504), (145, 23594), (213, 23729), (221, 23750), (366, 23984), (386, 24020), (403, 24056), (446, 24143), (463, 24206), (468, 24221), (483, 24251), (516, 24332), (521, 24347), (522, 24350), (551, 24422),

Gene: Lilbit_48 Start: 26439, Stop: 27401, Start Num: 92

Candidate Starts for Lilbit_48:

(Start: 92 @26439 has 316 MA's), (147, 26571), (155, 26595), (159, 26604), (161, 26610), (166, 26619), (182, 26643), (186, 26652), (191, 26664), (196, 26676), (254, 26790), (302, 26871), (312, 26886), (316, 26892), (389, 27000), (465, 27126), (467, 27132), (502, 27207), (535, 27282), (537, 27288), (542, 27300), (543, 27303), (561, 27390), (562, 27393), (563, 27396),

Gene: Lilbunny_30 Start: 18958, Stop: 19974, Start Num: 92

Candidate Starts for Lilbunny_30:

(Start: 92 @18958 has 316 MA's), (105, 18976), (120, 19012), (138, 19051), (182, 19156), (287, 19333), (310, 19372), (312, 19375), (355, 19462), (357, 19483), (406, 19609), (445, 19681), (504, 19831), (507, 19840), (545, 19921),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 86

Candidate Starts for LilhomieP_26:

(Start: 86 @21457 has 21 MA's), (133, 21559), (142, 21577), (147, 21592), (182, 21664), (186, 21673), (230, 21751), (309, 21886), (310, 21889), (312, 21892), (352, 21961), (389, 22003), (392, 22009), (472, 22150), (485, 22171), (492, 22183), (547, 22306), (551, 22318),

Gene: Lilleskat_26 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for Lilleskat_26:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499, 21385), (504, 21397), (512, 21421),

Gene: Lillie_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Lillie_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (239, 15786), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 25

Candidate Starts for LindNT_22:

(Start: 25 @15985 has 231 MA's), (57, 16102), (116, 16192), (124, 16213), (130, 16234), (143, 16261), (264, 16516), (317, 16597), (354, 16672), (362, 16687), (441, 16798), (455, 16840), (493, 16933), (501, 16957), (540, 17050), (552, 17089), (555, 17107),

Gene: LionsBait_28 Start: 20953, Stop: 21963, Start Num: 92

Candidate Starts for LionsBait_28:

(Start: 92 @20953 has 316 MA's), (120, 21007), (129, 21028), (138, 21046), (163, 21121), (287, 21328), (312, 21370), (368, 21505), (406, 21598), (426, 21631), (465, 21733), (499, 21808), (504, 21820), (545, 21910),

Gene: LittleCherry_23 Start: 18649, Stop: 19662, Start Num: 98

Candidate Starts for LittleCherry_23:

(Start: 98 @18649 has 85 MA's), (138, 18745), (150, 18778), (151, 18781), (239, 18955), (279, 19015), (287, 19021), (297, 19039), (312, 19063), (333, 19105), (459, 19417), (504, 19519), (545, 19609),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 92

Candidate Starts for LittleLaf_49:

(Start: 92 @26168 has 316 MA's), (147, 26300), (155, 26324), (159, 26333), (161, 26339), (166, 26348), (182, 26372), (186, 26381), (191, 26393), (196, 26405), (254, 26519), (302, 26600), (312, 26615), (316, 26621), (389, 26729), (465, 26855), (467, 26861), (502, 26936), (535, 27011), (537, 27017), (542, 27029), (543, 27032), (561, 27119), (562, 27122), (563, 27125),

Gene: LiyuLake_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for LiyuLake_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (186, 16700), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Llorens_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 92

Candidate Starts for Loadrie_17:

(Start: 92 @16106 has 316 MA's), (107, 16130), (120, 16160), (170, 16286), (216, 16358), (309, 16511), (310, 16514), (312, 16517), (328, 16547), (377, 16604), (389, 16628), (392, 16634), (450, 16703), (454, 16721), (461, 16742), (485, 16796), (492, 16808), (514, 16871), (558, 17000), (560, 17012),

Gene: Lokk_30 Start: 20830, Stop: 21840, Start Num: 92

Candidate Starts for Lokk_30:

(Start: 92 @20830 has 316 MA's), (138, 20923), (151, 20959), (163, 20998), (287, 21205), (310, 21244), (312, 21247), (334, 21292), (406, 21475), (426, 21508), (465, 21610), (499, 21685), (504, 21697), (545, 21787),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 92

Candidate Starts for Lolly9_18:

(Start: 92 @16308 has 316 MA's), (107, 16332), (125, 16377), (129, 16392), (139, 16413), (182, 16509), (260, 16644), (263, 16653), (310, 16713), (312, 16716), (316, 16722), (368, 16794), (389, 16827), (394, 16839), (450, 16902), (465, 16953), (473, 16977), (499, 17028), (514, 17070), (558, 17181), (559, 17184),

Gene: LoneWolf_28 Start: 20332, Stop: 21345, Start Num: 91

Candidate Starts for LoneWolf_28:

(Start: 91 @20332 has 1 MA's), (105, 20350), (116, 20377), (129, 20407), (138, 20425), (151, 20461), (173, 20515), (239, 20641), (260, 20677), (287, 20707), (312, 20749), (380, 20908), (406, 20980), (445, 21052), (499, 21190), (504, 21202), (507, 21211), (512, 21226),

Gene: LonelyBoi_19 Start: 16813, Stop: 17721, Start Num: 90

Candidate Starts for LonelyBoi_19:

(Start: 90 @16813 has 26 MA's), (120, 16870), (174, 17005), (183, 17020), (185, 17023), (215, 17074), (282, 17182), (313, 17230), (327, 17254), (338, 17272), (340, 17278), (367, 17314), (446, 17470), (458, 17497), (462, 17509), (467, 17524), (488, 17569), (497, 17596), (510, 17632), (511, 17635), (525, 17671), (529, 17677), (532, 17683),

Gene: LongHai_21 Start: 15192, Stop: 16304, Start Num: 30

Candidate Starts for LongHai_21:

(Start: 30 @15192 has 4 MA's), (Start: 36 @15240 has 1 MA's), (99, 15348), (104, 15357), (131, 15426), (144, 15453), (205, 15600), (266, 15708), (316, 15783), (320, 15792), (338, 15828), (379, 15897), (398, 15939), (441, 15984), (446, 15993), (464, 16050), (488, 16101), (511, 16161), (550, 16266),

Gene: Looper_30 Start: 18119, Stop: 19096, Start Num: 96

Candidate Starts for Looper_30:

(Start: 96 @18119 has 22 MA's), (147, 18233), (150, 18239), (151, 18242), (269, 18476), (406, 18743), (442, 18797), (504, 18953),

Gene: Loser_30 Start: 20932, Stop: 21945, Start Num: 92

Candidate Starts for Loser_30:

(Start: 92 @20932 has 316 MA's), (105, 20950), (129, 21007), (138, 21025), (151, 21061), (163, 21100), (287, 21307), (310, 21346), (312, 21349), (334, 21394), (377, 21499), (406, 21580), (426, 21613), (459, 21700), (504, 21802), (507, 21811),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for LouisV14_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 75

Candidate Starts for Love_37:

(Start: 75 @30788 has 54 MA's), (157, 30974), (160, 30986), (Start: 180 @31013 has 1 MA's), (189, 31034), (223, 31094), (277, 31181), (279, 31184), (304, 31220), (325, 31253), (331, 31268), (338, 31280), (354, 31310), (361, 31316), (395, 31376), (438, 31466), (455, 31517), (468, 31556), (478, 31580), (483, 31592), (509, 31658), (523, 31697), (532, 31709), (543, 31739),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 64

Candidate Starts for Lozinak_47:

(Start: 60 @28706 has 10 MA's), (Start: 64 @28712 has 12 MA's), (102, 28760), (116, 28787), (144, 28859), (169, 28925), (186, 28955), (251, 29063), (316, 29156), (329, 29180), (335, 29195), (398, 29291), (441, 29339), (515, 29519), (532, 29555),

Gene: Luchador_28 Start: 19388, Stop: 20410, Start Num: 92

Candidate Starts for Luchador_28:

(Start: 92 @19388 has 316 MA's), (105, 19406), (120, 19442), (129, 19463), (138, 19481), (182, 19586), (188, 19601), (260, 19733), (279, 19757), (287, 19763), (310, 19802), (312, 19805), (334, 19850), (368, 19943), (398, 20015), (415, 20051), (418, 20057), (445, 20117), (504, 20267), (512, 20291),

Gene: Lucivia_27 Start: 19785, Stop: 20807, Start Num: 92

Candidate Starts for Lucivia_27:

(Start: 92 @19785 has 316 MA's), (120, 19842), (147, 19917), (212, 20046), (239, 20106), (279, 20166), (287, 20172), (312, 20214), (334, 20259), (338, 20265), (368, 20349), (383, 20382), (504, 20664), (507, 20673), (512, 20688), (545, 20754),

Gene: Lucky10_17 Start: 14280, Stop: 15188, Start Num: 90

Candidate Starts for Lucky10_17:

(Start: 90 @14280 has 26 MA's), (118, 14331), (159, 14451), (178, 14475), (185, 14487), (186, 14490), (221, 14553), (257, 14607), (304, 14682), (323, 14709), (338, 14736), (340, 14742), (341, 14745), (396, 14832), (446, 14937), (458, 14964), (461, 14973), (462, 14976), (466, 14988), (467, 14991), (488, 15036), (491, 15045), (525, 15138),

Gene: Lucyedi_28 Start: 19862, Stop: 20878, Start Num: 92

Candidate Starts for Lucyedi_28:

(Start: 92 @19862 has 316 MA's), (105, 19880), (138, 19955), (163, 20030), (204, 20093), (287, 20237), (310, 20276), (312, 20279), (355, 20366), (454, 20618), (459, 20633), (472, 20669), (504, 20735), (510, 20753), (512, 20759),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Luke_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 92

Candidate Starts for Lumos_18:

(Start: 92 @16487 has 316 MA's), (107, 16511), (125, 16556), (129, 16571), (139, 16592), (182, 16688), (260, 16823), (263, 16832), (310, 16892), (312, 16895), (316, 16901), (368, 16973), (389, 17006), (394, 17018), (450, 17081), (466, 17135), (473, 17156), (499, 17207), (514, 17249), (558, 17360), (559, 17363),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Luna22_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Lunahalos_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Lynnae_17 Start: 16062, Stop: 16976, Start Num: 92

Candidate Starts for Lynnae_17:

(Start: 92 @16062 has 316 MA's), (107, 16086), (120, 16116), (170, 16242), (216, 16314), (309, 16467), (310, 16470), (312, 16473), (328, 16503), (377, 16560), (389, 16584), (392, 16590), (450, 16659), (454, 16677), (461, 16698), (485, 16752), (492, 16764), (514, 16827), (558, 16956), (560, 16968),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 63

Candidate Starts for Lysidious_19:

(Start: 63 @16311 has 10 MA's), (Start: 68 @16317 has 23 MA's), (147, 16473), (184, 16554), (219, 16611), (222, 16620), (243, 16653), (317, 16761), (371, 16845), (423, 16911), (427, 16917), (492, 17046), (510, 17088),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 92

Candidate Starts for MAckerman_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 25

Candidate Starts for MOOREtheMARYer_17:

(Start: 17 @15684 has 1 MA's), (Start: 25 @15720 has 231 MA's), (74, 15864), (105, 15915), (130, 15981), (131, 15984), (145, 16014), (176, 16086), (205, 16155), (210, 16161), (290, 16296), (322, 16350), (351, 16410), (409, 16518), (423, 16545), (441, 16575), (455, 16617), (496, 16719), (525, 16791), (526, 16794), (536, 16812), (550, 16860),

Gene: MZKinsey_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for MZKinsey_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: MaCh_27 Start: 19727, Stop: 20749, Start Num: 92

Candidate Starts for MaCh_27:

(Start: 92 @19727 has 316 MA's), (120, 19784), (147, 19859), (212, 19988), (239, 20048), (279, 20108), (287, 20114), (312, 20156), (334, 20201), (338, 20207), (368, 20291), (383, 20324), (504, 20606), (507, 20615), (512, 20630), (545, 20696),

Gene: Mabel_27 Start: 19788, Stop: 20810, Start Num: 92

Candidate Starts for Mabel_27:

(Start: 92 @19788 has 316 MA's), (120, 19845), (147, 19920), (212, 20049), (239, 20109), (279, 20169), (287, 20175), (312, 20217), (334, 20262), (338, 20268), (368, 20352), (383, 20385), (504, 20667), (507, 20676), (512, 20691), (545, 20757),

Gene: MacKat_22 Start: 16028, Stop: 17164, Start Num: 25

Candidate Starts for MacKat_22:

(Start: 25 @16028 has 231 MA's), (57, 16145), (116, 16235), (124, 16256), (130, 16277), (143, 16304), (264, 16559), (317, 16640), (354, 16715), (362, 16730), (441, 16841), (455, 16883), (493, 16976), (501, 17000), (540, 17093), (552, 17132), (555, 17150),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 25

Candidate Starts for MacnCheese_22:

(Start: 25 @16685 has 231 MA's), (57, 16808), (104, 16871), (105, 16877), (116, 16898), (120, 16907), (130, 16940), (176, 17045), (186, 17066), (231, 17168), (252, 17198), (264, 17222), (283, 17243), (309, 17285), (328, 17321), (423, 17468), (441, 17498), (446, 17507), (455, 17540), (456, 17543), (457, 17546), (493, 17633), (509, 17672), (529, 17720), (548, 17777), (550, 17783), (552, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 30

Candidate Starts for Maco6_18:

(Start: 30 @14149 has 4 MA's), (Start: 36 @14197 has 1 MA's), (99, 14305), (104, 14314), (131, 14383), (137, 14395), (144, 14410), (205, 14557), (266, 14665), (316, 14740), (320, 14749), (338, 14785), (379, 14854), (398, 14896), (441, 14941), (446, 14950), (464, 15007), (509, 15112), (550, 15223),

Gene: Mahdia_17 Start: 13987, Stop: 14814, Start Num: 94

Candidate Starts for Mahdia_17:

(Start: 94 @13987 has 18 MA's), (116, 14032), (125, 14056), (151, 14119), (209, 14236), (248, 14290), (304, 14383), (312, 14395), (354, 14464), (388, 14497), (430, 14572), (457, 14620), (462, 14635), (466, 14647), (480, 14671), (482, 14674), (491, 14692), (492, 14695), (526, 14782), (534, 14797),

Gene: MajorMajor_26 Start: 18067, Stop: 19077, Start Num: 92

Candidate Starts for MajorMajor_26:

(Start: 92 @18067 has 316 MA's), (120, 18121), (129, 18142), (138, 18160), (163, 18235), (287, 18442), (310, 18481), (312, 18484), (334, 18529), (406, 18712), (426, 18745), (465, 18847), (504, 18934), (545, 19024),

Gene: MakCheese_19 Start: 15000, Stop: 16061, Start Num: 54

Candidate Starts for MakCheese_19:

(Start: 50 @14991 has 1 MA's), (54, 15000), (114, 15093), (130, 15135), (151, 15183), (221, 15351), (232, 15375), (233, 15381), (279, 15453), (284, 15462), (286, 15465), (292, 15474), (377, 15615), (390, 15642), (408, 15684), (437, 15732), (511, 15924), (512, 15927), (525, 15957), (539, 15987), (540, 15993), (551, 16029), (552, 16032),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 68

Candidate Starts for Malachai_19:

(Start: 63 @16265 has 10 MA's), (Start: 68 @16271 has 23 MA's), (147, 16427), (184, 16508), (243, 16607), (317, 16715), (371, 16799), (427, 16871), (492, 17000), (510, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 41

Candidate Starts for MalagasyRose_23:

(Start: 41 @15476 has 6 MA's), (Start: 61 @15518 has 1 MA's), (77, 15542), (104, 15581), (131, 15650), (143, 15674), (145, 15680), (158, 15719), (187, 15776), (201, 15803), (202, 15809), (214, 15830), (216, 15833), (241, 15881), (252, 15899), (264, 15923), (268, 15926), (309, 15989), (316, 16001), (320, 16010), (324, 16016), (336, 16043), (338, 16046), (360, 16091), (389, 16133), (423, 16187), (433, 16205), (466, 16307), (473, 16328), (488, 16352), (526, 16454), (536, 16472), (540, 16487), (551, 16523),

Gene: Malec_28 Start: 19460, Stop: 20476, Start Num: 92

Candidate Starts for Malec_28:

(Start: 92 @19460 has 316 MA's), (129, 19535), (138, 19553), (151, 19589), (163, 19628), (239, 19769), (287, 19835), (310, 19874), (312, 19877), (406, 20111), (472, 20267), (504, 20333), (512, 20357),

Gene: Malibo_19 Start: 15676, Stop: 16518, Start Num: 94

Candidate Starts for Malibo_19:

(Start: 94 @15676 has 18 MA's), (125, 15745), (131, 15766), (148, 15802), (157, 15829), (160, 15841), (186, 15886), (209, 15925), (246, 15979), (276, 16024), (291, 16048), (350, 16153), (377, 16177), (392, 16207), (394, 16213), (420, 16255), (434, 16282), (440, 16288), (491, 16396), (505, 16438), (507, 16444), (511, 16456), (532, 16498),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Maliketh_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 25

Candidate Starts for Malthus_24:

(Start: 25 @17413 has 231 MA's), (31, 17431), (Start: 45 @17503 has 1 MA's), (57, 17533), (116, 17623), (130, 17665), (142, 17689), (187, 17794), (312, 18016), (316, 18022), (397, 18172), (398, 18175), (423, 18193), (441, 18223), (455, 18265), (456, 18268), (473, 18319), (536, 18460), (540, 18475), (552, 18514), (555, 18532),

Gene: Maminaiaina_28 Start: 20271, Stop: 21293, Start Num: 92

Candidate Starts for Maminaiaina_28:

(Start: 92 @20271 has 316 MA's), (105, 20289), (129, 20346), (138, 20364), (151, 20400), (239, 20580), (260, 20616), (287, 20646), (312, 20688), (380, 20847), (415, 20934), (428, 20961), (504, 21150), (512, 21174),

Gene: Manilisa_22 Start: 18190, Stop: 19050, Start Num: 63

Candidate Starts for Manilisa_22:

(Start: 63 @18190 has 10 MA's), (Start: 68 @18196 has 23 MA's), (97, 18232), (99, 18235), (167, 18403), (177, 18418), (184, 18430), (240, 18526), (243, 18529), (249, 18538), (256, 18550), (264, 18565), (345, 18694), (438, 18814), (451, 18835), (456, 18856), (466, 18886), (511, 18976),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 27

Candidate Starts for Marcoliusprime_18:

(Start: 27 @13889 has 11 MA's), (31, 13898), (57, 14000), (116, 14090), (130, 14132), (131, 14135), (143, 14159), (186, 14258), (214, 14321), (231, 14360), (264, 14414), (309, 14480), (316, 14492), (340, 14543), (353, 14567), (398, 14645), (423, 14663), (441, 14693), (446, 14702), (455, 14735), (456, 14738), (501, 14852), (536, 14930), (540, 14945), (552, 14984), (555, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 72

Candidate Starts for Mareelih_98:

(Start: 72 @58510 has 5 MA's), (82, 58525), (Start: 87 @58531 has 2 MA's), (93, 58537), (142, 58654), (143, 58657), (159, 58708), (181, 58744), (261, 58879), (284, 58915), (305, 58945), (444, 59197), (457, 59242), (467, 59272), (469, 59278), (483, 59305), (500, 59344), (527, 59413),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 25

Candidate Starts for MarkPhew_22:

(Start: 25 @15151 has 231 MA's), (57, 15268), (74, 15286), (116, 15358), (124, 15379), (143, 15427), (187, 15529), (188, 15532), (231, 15628), (296, 15727), (309, 15748), (353, 15835), (362, 15853), (398, 15916), (455, 16006), (456, 16009), (493, 16099), (540, 16216), (548, 16243), (552, 16255), (555, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Marmie_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 25

Candidate Starts for Marshawn_23:

(20, 15754), (Start: 25 @15766 has 231 MA's), (57, 15886), (116, 15976), (143, 16045), (231, 16246), (264, 16300), (309, 16366), (316, 16378), (340, 16429), (427, 16558), (441, 16582), (455, 16624), (456, 16627), (457, 16630), (473, 16678), (493, 16717), (548, 16861), (552, 16873), (555, 16891),

Gene: Marteena_19 Start: 16661, Stop: 17569, Start Num: 90

Candidate Starts for Marteena_19:

(Start: 90 @16661 has 26 MA's), (120, 16718), (174, 16853), (183, 16868), (185, 16871), (215, 16922), (282, 17030), (313, 17078), (327, 17102), (338, 17120), (340, 17126), (367, 17162), (446, 17318), (458, 17345), (462, 17357), (467, 17372), (488, 17417), (494, 17435), (497, 17444), (510, 17480), (511, 17483), (525, 17519), (529, 17525), (532, 17531),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 92

Candidate Starts for Marvin_47:

(Start: 92 @26438 has 316 MA's), (147, 26570), (155, 26594), (159, 26603), (161, 26609), (166, 26618), (182, 26642), (186, 26651), (191, 26663), (254, 26789), (302, 26870), (312, 26885), (316, 26891), (389, 26999), (465, 27125), (467, 27131), (535, 27281), (537, 27287), (542, 27299), (543, 27302), (561, 27389), (562, 27392), (563, 27395),

Gene: MarysWell_22 Start: 18617, Stop: 19630, Start Num: 98

Candidate Starts for MarysWell_22:

(Start: 98 @18617 has 85 MA's), (138, 18713), (150, 18746), (151, 18749), (163, 18788), (239, 18923), (279, 18983), (287, 18989), (297, 19007), (312, 19031), (333, 19073), (459, 19385), (504, 19487), (513, 19514), (545, 19577),

Gene: McCrothy_34 Start: 30596, Stop: 31552, Start Num: 75

Candidate Starts for McCrothy_34:

(Start: 75 @30596 has 54 MA's), (157, 30782), (160, 30794), (Start: 180 @30821 has 1 MA's), (189, 30842), (223, 30902), (277, 30989), (279, 30992), (304, 31028), (325, 31061), (331, 31076), (338, 31088), (354, 31118), (361, 31124), (395, 31184), (438, 31274), (455, 31325), (468, 31364), (478, 31388), (483, 31400), (509, 31466), (523, 31505), (532, 31517), (543, 31547),

Gene: McFly_30 Start: 18966, Stop: 19979, Start Num: 92

Candidate Starts for McFly_30:

(Start: 92 @18966 has 316 MA's), (120, 19020), (138, 19059), (182, 19164), (260, 19311), (287, 19341), (310, 19380), (312, 19383), (334, 19428), (357, 19488), (445, 19686), (504, 19836), (507, 19845),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 75

Candidate Starts for McKinley_36:

(Start: 75 @30814 has 54 MA's), (157, 31000), (160, 31012), (Start: 180 @31039 has 1 MA's), (189, 31060), (223, 31120), (277, 31207), (279, 31210), (304, 31246), (325, 31279), (331, 31294), (338, 31306), (354, 31336), (361, 31342), (395, 31402), (438, 31492), (468, 31582), (478, 31606), (483, 31618), (509, 31684), (523, 31723), (532, 31735),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 25

Candidate Starts for McMater_22:

(Start: 25 @15375 has 231 MA's), (57, 15495), (116, 15585), (143, 15654), (186, 15753), (187, 15756), (231, 15855), (264, 15909), (317, 15990), (354, 16065), (362, 16080), (427, 16167), (441, 16191), (455, 16233), (456, 16236), (473, 16287), (493, 16326), (526, 16410), (536, 16428), (540, 16443), (552, 16482), (555, 16500),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 25

Candidate Starts for Mdavu_18:

(Start: 25 @15542 has 231 MA's), (57, 15665), (116, 15755), (143, 15824), (186, 15923), (187, 15926), (231, 16025), (317, 16160), (441, 16361), (455, 16403), (456, 16406), (493, 16496), (501, 16520), (540, 16613), (552, 16652), (555, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 25

Candidate Starts for MeaningOfLife_22:

(Start: 25 @15987 has 231 MA's), (57, 16104), (116, 16194), (124, 16215), (130, 16236), (143, 16263), (264, 16518), (317, 16599), (354, 16674), (362, 16689), (441, 16800), (446, 16809), (455, 16842), (493, 16935), (501, 16959), (540, 17052), (552, 17091), (555, 17109),

Gene: MegTheThird_26 Start: 18672, Stop: 19694, Start Num: 92

Candidate Starts for MegTheThird_26:

(Start: 92 @18672 has 316 MA's), (129, 18747), (138, 18765), (151, 18801), (212, 18921), (239, 18981), (260, 19017), (287, 19047), (312, 19089), (377, 19239), (396, 19290), (415, 19335), (418, 19341), (445, 19401), (455, 19437), (504, 19551),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 25

Candidate Starts for Megsy_22:

(Start: 25 @15988 has 231 MA's), (57, 16105), (116, 16195), (124, 16216), (130, 16237), (143, 16264), (264, 16519), (317, 16600), (354, 16675), (362, 16690), (441, 16801), (455, 16843), (493, 16936), (497, 16948), (501, 16960), (540, 17053), (552, 17092), (555, 17110),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 59

Candidate Starts for MelBins_33:

(Start: 59 @28300 has 25 MA's), (129, 28423), (145, 28459), (168, 28519), (221, 28615), (293, 28726), (305, 28747), (366, 28849), (386, 28885), (443, 28993), (481, 29101), (483, 29107), (491, 29122), (496, 29137), (509, 29173), (521, 29206), (522, 29209), (551, 29275),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 63

Candidate Starts for Melba_18:

(Start: 63 @15787 has 10 MA's), (Start: 68 @15793 has 23 MA's), (147, 15949), (184, 16030), (243, 16129), (317, 16237), (371, 16321), (427, 16393), (492, 16522), (501, 16549), (510, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 68

Candidate Starts for Mellie_17:

(Start: 63 @15548 has 10 MA's), (Start: 68 @15554 has 23 MA's), (147, 15710), (184, 15791), (243, 15890), (317, 15998), (371, 16082), (423, 16148), (451, 16193), (492, 16283), (510, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 83

Candidate Starts for Mendokysei_17:

(Start: 83 @15828 has 11 MA's), (103, 15855), (111, 15873), (189, 16053), (224, 16128), (275, 16221), (310, 16278), (316, 16287), (377, 16371), (474, 16548), (484, 16563), (499, 16596), (517, 16647), (536, 16689), (548, 16728), (551, 16737),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 25

Candidate Starts for Mercurio_18:

(Start: 25 @15481 has 231 MA's), (74, 15628), (104, 15673), (105, 15679), (142, 15769), (173, 15847), (176, 15850), (186, 15871), (187, 15874), (206, 15925), (210, 15931), (231, 15976), (322, 16120), (336, 16150), (353, 16183), (407, 16285), (427, 16321), (441, 16345), (457, 16393), (496, 16489), (526, 16564), (540, 16597), (550, 16630), (552, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 63

Candidate Starts for Meyran_20:

(Start: 63 @18053 has 10 MA's), (Start: 68 @18059 has 23 MA's), (97, 18095), (99, 18098), (167, 18266), (177, 18281), (184, 18293), (240, 18389), (243, 18392), (249, 18401), (256, 18413), (264, 18428), (345, 18557), (438, 18677), (451, 18698), (456, 18719), (466, 18749), (511, 18839),

Gene: Micasa_23 Start: 18623, Stop: 19636, Start Num: 98

Candidate Starts for Micasa_23:

(Start: 98 @18623 has 85 MA's), (138, 18719), (150, 18752), (151, 18755), (163, 18794), (239, 18929), (279, 18989), (287, 18995), (297, 19013), (312, 19037), (333, 19079), (459, 19391), (504, 19493), (545, 19583),

Gene: MiculUcigas_27 Start: 19200, Stop: 20216, Start Num: 92

Candidate Starts for MiculUcigas_27:

(Start: 92 @19200 has 316 MA's), (129, 19275), (138, 19293), (151, 19329), (163, 19368), (260, 19545), (287, 19575), (310, 19614), (312, 19617), (504, 20073), (512, 20097),

Gene: MicyPS_16 Start: 16526, Stop: 17407, Start Num: 87

Candidate Starts for MicyPS_16:

(Start: 87 @16526 has 2 MA's), (127, 16607), (182, 16739), (221, 16817), (228, 16829), (239, 16853), (297, 16934), (298, 16937), (316, 16964), (347, 17012), (368, 17033), (379, 17051), (392, 17075), (394, 17081), (462, 17168), (471, 17195), (523, 17315), (549, 17363), (551, 17369),

Gene: Midas2_23 Start: 18617, Stop: 19630, Start Num: 98

Candidate Starts for Midas2_23:

(Start: 98 @18617 has 85 MA's), (138, 18713), (150, 18746), (151, 18749), (163, 18788), (239, 18923), (279, 18983), (287, 18989), (297, 19007), (312, 19031), (333, 19073), (459, 19385), (504, 19487), (513, 19514), (545, 19577),

Gene: Miko_30 Start: 20800, Stop: 21810, Start Num: 92

Candidate Starts for Miko_30:

(Start: 92 @20800 has 316 MA's), (138, 20893), (151, 20929), (163, 20968), (287, 21175), (310, 21214), (312, 21217), (334, 21262), (406, 21445), (426, 21478), (465, 21580), (499, 21655), (504, 21667), (545, 21757),

Gene: Milcery_23 Start: 18653, Stop: 19666, Start Num: 98

Candidate Starts for Milcery_23:

(Start: 98 @18653 has 85 MA's), (138, 18749), (150, 18782), (151, 18785), (163, 18824), (239, 18959), (279, 19019), (287, 19025), (297, 19043), (312, 19067), (333, 19109), (459, 19421), (504, 19523), (545, 19613),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Miley16_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 27

Candidate Starts for Milly_18:

(Start: 27 @13889 has 11 MA's), (31, 13898), (57, 14000), (116, 14090), (130, 14132), (131, 14135), (143, 14159), (186, 14258), (214, 14321), (231, 14360), (264, 14414), (309, 14480), (316, 14492), (340, 14543), (353, 14567), (398, 14645), (423, 14663), (441, 14693), (446, 14702), (455, 14735), (456, 14738), (501, 14852), (536, 14930), (540, 14945), (552, 14984), (555, 15002),

Gene: MinecraftSteve_30 Start: 18241, Stop: 19218, Start Num: 96

Candidate Starts for MinecraftSteve_30:

(Start: 96 @18241 has 22 MA's), (147, 18355), (150, 18361), (151, 18364), (269, 18598), (406, 18865), (442, 18919), (504, 19075),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 92

Candidate Starts for MiniLon_18:

(Start: 92 @16308 has 316 MA's), (107, 16332), (125, 16377), (129, 16392), (139, 16413), (182, 16509), (260, 16644), (263, 16653), (310, 16713), (312, 16716), (316, 16722), (368, 16794), (389, 16827), (394, 16839), (450, 16902), (465, 16953), (473, 16977), (499, 17028), (514, 17070), (558, 17181), (559, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 92

Candidate Starts for MiniMac_18:

(Start: 92 @16309 has 316 MA's), (107, 16333), (125, 16378), (129, 16393), (139, 16414), (182, 16510), (260, 16645), (263, 16654), (310, 16714), (312, 16717), (316, 16723), (368, 16795), (389, 16828), (394, 16840), (450, 16903), (465, 16954), (473, 16978), (499, 17029), (514, 17071), (558, 17182), (559, 17185),

Gene: Minispark_25 Start: 18587, Stop: 19609, Start Num: 92

Candidate Starts for Minispark_25:

(Start: 92 @18587 has 316 MA's), (105, 18605), (120, 18641), (129, 18662), (138, 18680), (182, 18785), (260, 18932), (287, 18962), (312, 19004), (357, 19109), (377, 19154), (393, 19199), (415, 19250), (418, 19256), (421, 19265), (465, 19379), (491, 19430), (499, 19454), (504, 19466), (507, 19475), (545, 19556),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 68

Candidate Starts for MintFen_18:

(Start: 63 @15787 has 10 MA's), (Start: 68 @15793 has 23 MA's), (147, 15949), (184, 16030), (243, 16129), (317, 16237), (371, 16321), (427, 16393), (492, 16522), (501, 16549), (510, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 29

Candidate Starts for Miryou_20:

(Start: 29 @16308 has 23 MA's), (130, 16551), (143, 16578), (186, 16677), (231, 16779), (264, 16833), (287, 16863), (309, 16899), (310, 16902), (316, 16911), (353, 16986), (354, 16989), (379, 17025), (398, 17067), (423, 17085), (427, 17091), (441, 17115), (443, 17118), (446, 17124), (455, 17157), (540, 17367), (552, 17406), (555, 17424),

Gene: Miskis_45 Start: 28475, Stop: 29356, Start Num: 64

Candidate Starts for Miskis_45:

(Start: 60 @28469 has 10 MA's), (Start: 64 @28475 has 12 MA's), (102, 28523), (116, 28550), (144, 28622), (169, 28688), (186, 28718), (251, 28826), (316, 28919), (329, 28943), (335, 28958), (398, 29054), (441, 29102), (515, 29282), (532, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 25

Candidate Starts for MissDaisy_23:

(Start: 25 @17255 has 231 MA's), (31, 17273), (Start: 45 @17345 has 1 MA's), (57, 17375), (116, 17465), (120, 17474), (130, 17507), (142, 17531), (187, 17636), (264, 17789), (312, 17858), (316, 17864), (398, 18017), (423, 18035), (441, 18065), (455, 18107), (456, 18110), (536, 18302), (540, 18317), (552, 18356), (555, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 65

Candidate Starts for MissRona_20:

(Start: 65 @16105 has 14 MA's), (Start: 83 @16120 has 11 MA's), (132, 16222), (147, 16261), (184, 16342), (231, 16426), (243, 16441), (317, 16549), (371, 16633), (423, 16699), (427, 16705), (451, 16744), (492, 16834), (510, 16876),

Gene: MissWhite_27 Start: 18271, Stop: 19281, Start Num: 92

Candidate Starts for MissWhite_27:

(Start: 92 @18271 has 316 MA's), (138, 18364), (151, 18400), (163, 18439), (260, 18616), (287, 18646), (312, 18688), (334, 18733), (368, 18823), (406, 18916), (504, 19138),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 25

Candidate Starts for Mitti_23:

(Start: 25 @17413 has 231 MA's), (31, 17431), (Start: 45 @17503 has 1 MA's), (57, 17533), (116, 17623), (130, 17665), (142, 17689), (187, 17794), (264, 17947), (312, 18016), (316, 18022), (398, 18175), (423, 18193), (441, 18223), (455, 18265), (456, 18268), (536, 18460), (540, 18475), (552, 18514), (555, 18532),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for MkaliMitinis3_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 89

Candidate Starts for ModicumRichard_18:

(6, 15190), (Start: 89 @15643 has 7 MA's), (105, 15670), (119, 15703), (156, 15805), (167, 15832), (182, 15856), (239, 15958), (260, 15991), (278, 16021), (309, 16057), (312, 16063), (317, 16072), (372, 16150), (389, 16180), (392, 16186), (397, 16201), (460, 16306), (492, 16372), (532, 16471), (547, 16498), (549, 16504), (556, 16540),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 60

Candidate Starts for Mollymur_30:

(33, 27171), (Start: 60 @27246 has 10 MA's), (Start: 83 @27267 has 11 MA's), (125, 27345), (144, 27393), (147, 27402), (186, 27489), (264, 27618), (316, 27690), (319, 27696), (398, 27825), (468, 27948), (478, 27969), (492, 27996),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 75

Candidate Starts for MoontowerMania_33:

(Start: 75 @29628 has 54 MA's), (157, 29814), (160, 29826), (162, 29829), (Start: 180 @29853 has 1 MA's), (189, 29874), (223, 29934), (277, 30021), (279, 30024), (304, 30060), (325, 30093), (331, 30108), (338, 30120), (354, 30150), (361, 30156), (395, 30216), (438, 30306), (468, 30396), (478, 30420), (483, 30432), (509, 30498), (523, 30537), (532, 30549), (543, 30579),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 92

Candidate Starts for Moostard_18:

(Start: 92 @16493 has 316 MA's), (107, 16517), (125, 16562), (129, 16577), (139, 16598), (182, 16694), (260, 16829), (263, 16838), (310, 16898), (312, 16901), (316, 16907), (368, 16979), (389, 17012), (450, 17087), (466, 17141), (473, 17162), (499, 17213), (514, 17255), (558, 17366), (559, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 89

Candidate Starts for Morgana_18:

(6, 15180), (Start: 89 @15633 has 7 MA's), (105, 15660), (119, 15693), (156, 15795), (167, 15822), (239, 15948), (260, 15981), (278, 16011), (309, 16047), (312, 16053), (317, 16062), (372, 16140), (392, 16176), (397, 16191), (492, 16365), (532, 16464), (547, 16491), (549, 16497),

Gene: Morkie_17 Start: 14248, Stop: 15156, Start Num: 90

Candidate Starts for Morkie_17:

(Start: 90 @14248 has 26 MA's), (118, 14299), (159, 14419), (178, 14443), (185, 14455), (186, 14458), (221, 14521), (304, 14650), (323, 14677), (338, 14704), (340, 14710), (341, 14713), (396, 14800),

(446, 14905), (458, 14932), (461, 14941), (462, 14944), (467, 14959), (488, 15004), (491, 15013),

Gene: Morrissey_18 Start: 15201, Stop: 16028, Start Num: 94

Candidate Starts for Morrissey_18:

(Start: 94 @15201 has 18 MA's), (116, 15246), (125, 15270), (148, 15327), (151, 15333), (157, 15354), (176, 15390), (184, 15405), (245, 15501), (248, 15504), (304, 15597), (312, 15609), (354, 15678), (430, 15786), (457, 15834), (462, 15849), (466, 15861), (480, 15885), (492, 15909), (506, 15942), (509, 15951), (523, 15990), (526, 15996),

Gene: MortyNRick_18 Start: 15370, Stop: 16296, Start Num: 90

Candidate Starts for MortyNRick_18:

(Start: 87 @15367 has 2 MA's), (Start: 90 @15370 has 26 MA's), (120, 15427), (155, 15529), (159, 15541), (178, 15565), (183, 15574), (185, 15577), (186, 15580), (221, 15643), (247, 15676), (257, 15697), (265, 15712), (304, 15772), (313, 15784), (327, 15808), (341, 15835), (343, 15838), (367, 15868), (406, 15946), (446, 16027), (457, 16069), (458, 16072), (461, 16081), (462, 16084), (466, 16096), (467, 16099), (471, 16111), (476, 16123), (488, 16144), (491, 16153), (494, 16162), (510, 16207), (511, 16210), (513, 16216), (529, 16252), (532, 16258),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 92

Candidate Starts for MosMoris_47:

(Start: 92 @25618 has 316 MA's), (147, 25750), (155, 25774), (159, 25783), (161, 25789), (166, 25798), (182, 25822), (186, 25831), (191, 25843), (254, 25969), (302, 26050), (312, 26065), (316, 26071), (389, 26179), (465, 26305), (467, 26311), (502, 26386), (535, 26461), (537, 26467), (542, 26479), (543, 26482), (561, 26569), (562, 26572), (563, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Mowgli_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 86

Candidate Starts for MrMagoo_31:

(Start: 86 @22001 has 21 MA's), (Start: 94 @22010 has 18 MA's), (120, 22064), (131, 22100), (133, 22103), (142, 22121), (147, 22136), (Start: 180 @22205 has 1 MA's), (182, 22208), (310, 22433), (312, 22436), (328, 22466), (392, 22553), (465, 22673), (492, 22727), (497, 22742), (509, 22775), (557, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for MsGreen_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (466, 17138), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 30

Candidate Starts for Muddy_20:

(Start: 30 @15099 has 4 MA's), (Start: 36 @15147 has 1 MA's), (99, 15255), (104, 15264), (131, 15333), (144, 15360), (205, 15507), (266, 15615), (316, 15690), (320, 15699), (338, 15735), (379, 15804), (398, 15846), (441, 15891), (446, 15900), (464, 15957), (509, 16062), (550, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 27

Candidate Starts for Mufasa_18:

(Start: 27 @13909 has 11 MA's), (31, 13918), (57, 14020), (116, 14110), (130, 14152), (143, 14179), (184, 14272), (186, 14278), (214, 14341), (231, 14380), (264, 14434), (316, 14512), (340, 14563), (353, 14587), (398, 14665), (423, 14683), (441, 14713), (455, 14755), (456, 14758), (501, 14872), (536, 14950), (540, 14965), (552, 15004), (555, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 53

Candidate Starts for Mulch_21:

(Start: 53 @16293 has 20 MA's), (Start: 87 @16338 has 2 MA's), (105, 16368), (151, 16476), (215, 16626), (233, 16674), (286, 16758), (292, 16767), (319, 16809), (414, 16986), (432, 17019), (449, 17055), (525, 17250), (551, 17322), (552, 17325),

Gene: Mulciber_27 Start: 19730, Stop: 20752, Start Num: 92

Candidate Starts for Mulciber_27:

(Start: 92 @19730 has 316 MA's), (120, 19787), (147, 19862), (212, 19991), (239, 20051), (279, 20111), (287, 20117), (312, 20159), (334, 20204), (338, 20210), (368, 20294), (383, 20327), (504, 20609), (507, 20618), (512, 20633), (545, 20699),

Gene: Munch_27 Start: 19736, Stop: 20758, Start Num: 92

Candidate Starts for Munch_27:

(Start: 92 @19736 has 316 MA's), (120, 19793), (147, 19868), (212, 19997), (239, 20057), (279, 20117), (287, 20123), (312, 20165), (334, 20210), (338, 20216), (368, 20300), (383, 20333), (504, 20615), (507, 20624), (512, 20639), (545, 20705),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 65

Candidate Starts for Murp_18:

(Start: 65 @15861 has 14 MA's), (147, 16017), (184, 16098), (243, 16197), (317, 16305), (371, 16389), (423, 16455), (427, 16461), (492, 16590), (510, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 25

Candidate Starts for Murucutumbu_22:

(Start: 25 @15969 has 231 MA's), (57, 16086), (124, 16197), (130, 16218), (143, 16245), (187, 16347), (264, 16500), (317, 16581), (362, 16671), (441, 16782), (455, 16824), (493, 16917), (501, 16941), (540, 17034), (552, 17073), (555, 17091),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 79

Candidate Starts for Mutzi_32:

(Start: 79 @25361 has 33 MA's), (129, 25457), (155, 25526), (157, 25532), (160, 25544), (162, 25547), (168, 25556), (Start: 180 @25571 has 1 MA's), (279, 25745), (302, 25778), (304, 25781), (395, 25928), (454, 26063), (466, 26099), (483, 26141), (512, 26216), (519, 26237), (543, 26288),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 25

Candidate Starts for Mynx_22:

(Start: 25 @16034 has 231 MA's), (57, 16151), (116, 16241), (124, 16262), (130, 16283), (143, 16310), (264, 16565), (317, 16646), (354, 16721), (362, 16736), (441, 16847), (455, 16889), (493, 16982), (501, 17006), (540, 17099), (552, 17138), (555, 17156),

Gene: Myxus_28 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for Myxus_28:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499, 21385), (504, 21397), (512, 21421),

Gene: NaSiaTalie_27 Start: 19198, Stop: 20214, Start Num: 92

Candidate Starts for NaSiaTalie_27:

(Start: 92 @19198 has 316 MA's), (129, 19273), (138, 19291), (151, 19327), (163, 19366), (260, 19543), (287, 19573), (310, 19612), (312, 19615), (504, 20071), (512, 20095),

Gene: Naca_23 Start: 18502, Stop: 19515, Start Num: 98

Candidate Starts for Naca_23:

(Start: 98 @18502 has 85 MA's), (138, 18598), (150, 18631), (151, 18634), (163, 18673), (239, 18808), (256, 18838), (279, 18868), (287, 18874), (297, 18892), (312, 18916), (333, 18958), (504, 19372), (545, 19462),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 53

Candidate Starts for Nadeem_21:

(Start: 53 @16293 has 20 MA's), (Start: 87 @16338 has 2 MA's), (105, 16368), (151, 16476), (215, 16626), (233, 16674), (286, 16758), (292, 16767), (319, 16809), (414, 16986), (432, 17019), (449, 17055), (525, 17250), (551, 17322), (552, 17325),

Gene: Naiad_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Naiad_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 83

Candidate Starts for Nairb_18:

(Start: 83 @16018 has 11 MA's), (103, 16045), (111, 16063), (188, 16240), (189, 16243), (224, 16318), (260, 16384), (275, 16411), (310, 16468), (316, 16477), (466, 16714), (474, 16738), (517, 16837), (525, 16858), (536, 16879), (548, 16918), (551, 16927),

Gene: Naji_30 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for Naji_30:

(Start: 92 @19042 has 316 MA's), (120, 19096), (129, 19117), (138, 19135), (219, 19306), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: Nancinator_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Nancinator_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 53

Candidate Starts for NancyRae_21:

(Start: 53 @16299 has 20 MA's), (Start: 87 @16344 has 2 MA's), (105, 16374), (151, 16482), (215, 16632), (233, 16680), (286, 16764), (292, 16773), (319, 16815), (414, 16992), (432, 17025), (449, 17061), (525, 17256), (551, 17328), (552, 17331),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 86

Candidate Starts for Nanosmite_31:

(Start: 86 @21873 has 21 MA's), (133, 21975), (142, 21993), (147, 22008), (Start: 180 @22077 has 1 MA's), (186, 22089), (230, 22167), (256, 22215), (310, 22305), (312, 22308), (352, 22377), (389, 22419), (454, 22512), (460, 22530), (472, 22566), (492, 22599), (509, 22647), (547, 22722), (551, 22734),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 59

Candidate Starts for Natkenzie_34:

(Start: 59 @29777 has 25 MA's), (112, 29852), (118, 29864), (129, 29900), (145, 29936), (191, 30038), (221, 30092), (263, 30164), (308, 30227), (314, 30236), (343, 30293), (366, 30326), (385, 30359), (386, 30362), (416, 30419), (457, 30515), (468, 30548), (471, 30557), (483, 30578), (496, 30605), (503, 30626), (507, 30635), (509, 30641), (521, 30674), (522, 30677), (546, 30731), (551, 30743),

Gene: Natosaleda_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Natosaleda_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: NearlyHeadless_23 Start: 17651, Stop: 18673, Start Num: 98

Candidate Starts for NearlyHeadless_23:

(Start: 98 @17651 has 85 MA's), (147, 17774), (150, 17780), (182, 17852), (239, 17957), (254, 17984), (312, 18074), (394, 18275), (404, 18305), (406, 18308), (499, 18518), (513, 18557), (540, 18605), (545, 18620),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 38

Candidate Starts for Nebkiss_14:

(Start: 38 @13326 has 2 MA's), (39, 13329), (Start: 96 @13422 has 22 MA's), (99, 13428), (120, 13473), (129, 13503), (142, 13530), (143, 13533), (145, 13539), (151, 13554), (152, 13557), (184, 13626), (186, 13632), (214, 13710), (246, 13767), (264, 13803), (309, 13869), (316, 13881), (357, 13983), (358, 13986), (366, 14013), (398, 14076), (455, 14157), (457, 14163), (478, 14220), (493, 14250), (498, 14265), (509, 14289), (511, 14295), (536, 14352), (555, 14424),

Gene: Nebulosus_29 Start: 18119, Stop: 19096, Start Num: 96

Candidate Starts for Nebulosus_29:

(Start: 96 @18119 has 22 MA's), (147, 18233), (150, 18239), (151, 18242), (269, 18476), (406, 18743), (442, 18797), (504, 18953),

Gene: Nedarya_28 Start: 18765, Stop: 19742, Start Num: 95

Candidate Starts for Nedarya_28:

(Start: 95 @18765 has 2 MA's), (150, 18885), (Start: 180 @18954 has 1 MA's), (182, 18957), (212, 19008), (269, 19122), (417, 19401), (504, 19599), (507, 19608), (545, 19689),

Gene: Neeharika16_30 Start: 18959, Stop: 19972, Start Num: 92

Candidate Starts for Neeharika16_30:

(Start: 92 @18959 has 316 MA's), (120, 19013), (138, 19052), (182, 19157), (260, 19304), (287, 19334), (310, 19373), (312, 19376), (334, 19421), (357, 19481), (445, 19679), (504, 19829), (507, 19838),

Gene: Neighly_20 Start: 16168, Stop: 17298, Start Num: 29

Candidate Starts for Neighly_20:

(Start: 29 @16168 has 23 MA's), (104, 16342), (129, 16408), (143, 16438), (186, 16537), (231, 16639), (264, 16693), (287, 16723), (309, 16759), (310, 16762), (316, 16771), (353, 16846), (354, 16849), (379, 16885), (398, 16927), (423, 16945), (427, 16951), (441, 16975), (443, 16978), (455, 17017), (496, 17119), (540, 17227), (552, 17266), (555, 17284),

Gene: Neoh_17 Start: 15469, Stop: 16641, Start Num: 25

Candidate Starts for Neoh_17:

(4, 15136), (Start: 25 @15469 has 231 MA's), (57, 15589), (74, 15607), (104, 15652), (105, 15658), (129, 15721), (145, 15757), (173, 15826), (176, 15829), (186, 15850), (210, 15904), (231, 15949), (252, 15979), (316, 16081), (322, 16093), (328, 16105), (336, 16123), (423, 16288), (441, 16318), (449, 16336), (455, 16360), (502, 16480), (540, 16570), (550, 16603),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 34

Candidate Starts for Nergal_21:

(Start: 34 @15940 has 1 MA's), (40, 15961), (120, 16105), (129, 16135), (137, 16153), (143, 16165), (158, 16210), (187, 16267), (214, 16312), (309, 16471), (316, 16483), (324, 16498), (336, 16525), (360, 16573), (389, 16615), (410, 16645), (427, 16678), (433, 16690), (455, 16747), (467, 16783), (488, 16825), (501, 16864), (518, 16912), (526, 16927), (536, 16945), (550, 16993), (551, 16996),

Gene: Nette_18 Start: 15837, Stop: 16802, Start Num: 83

Candidate Starts for Nette_18:

(Start: 83 @15837 has 11 MA's), (103, 15864), (111, 15882), (189, 16062), (224, 16137), (275, 16230), (310, 16287), (316, 16296), (377, 16380), (474, 16557), (484, 16572), (499, 16605), (517, 16656), (536, 16698), (548, 16737), (551, 16746),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Netyap_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 92

Candidate Starts for Neville_27:

(Start: 80 @22377 has 1 MA's), (Start: 92 @22392 has 316 MA's), (120, 22449), (129, 22479), (160, 22557), (182, 22593), (222, 22668), (236, 22701), (260, 22737), (309, 22818), (310, 22821), (325, 22848), (328, 22854), (347, 22881), (392, 22941), (394, 22947), (465, 23070), (466, 23073), (473, 23094), (492, 23124), (495, 23133), (509, 23172), (510, 23175), (529, 23217), (540, 23232), (543, 23238), (549, 23256), (553, 23271),

Gene: Newrala_30 Start: 18959, Stop: 19972, Start Num: 92

Candidate Starts for Newrala_30:

(Start: 92 @18959 has 316 MA's), (120, 19013), (138, 19052), (182, 19157), (260, 19304), (287, 19334), (310, 19373), (312, 19376), (334, 19421), (357, 19481), (445, 19679), (504, 19829), (507, 19838),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 25

Candidate Starts for Nibb_21:

(Start: 25 @15295 has 231 MA's), (57, 15412), (74, 15430), (116, 15502), (124, 15523), (143, 15571), (231, 15772), (296, 15871), (309, 15892), (353, 15979), (398, 16060), (455, 16150), (456, 16153), (493, 16243), (540, 16360), (548, 16387), (552, 16399), (555, 16417),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for Nicholas_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (466, 17138), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 92

Candidate Starts for Nicholasp3_17:

(Start: 92 @16079 has 316 MA's), (107, 16103), (120, 16133), (170, 16259), (216, 16331), (309, 16484), (310, 16487), (312, 16490), (328, 16520), (377, 16577), (389, 16601), (392, 16607), (450, 16676), (454, 16694), (461, 16715), (485, 16769), (492, 16781), (514, 16844), (558, 16973), (560, 16985),

Gene: NicoleTera_31 Start: 21002, Stop: 22015, Start Num: 92

Candidate Starts for NicoleTera_31:

(Start: 92 @21002 has 316 MA's), (105, 21020), (138, 21095), (151, 21131), (163, 21170), (287, 21377), (310, 21416), (312, 21419), (334, 21464), (357, 21524), (426, 21683), (504, 21872),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Nikao_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 25

Candidate Starts for Niklas_22:

(Start: 25 @15378 has 231 MA's), (57, 15498), (116, 15588), (143, 15657), (186, 15756), (187, 15759), (231, 15858), (264, 15912), (317, 15993), (354, 16068), (362, 16083), (427, 16170), (441, 16194), (455, 16236), (456, 16239), (473, 16290), (493, 16329), (526, 16413), (536, 16431), (540, 16446), (552, 16485), (555, 16503),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 30

Candidate Starts for NoShow_17:

(Start: 30 @14354 has 4 MA's), (Start: 36 @14402 has 1 MA's), (Start: 85 @14507 has 1 MA's), (102, 14531), (142, 14624), (197, 14753), (266, 14888), (309, 14954), (316, 14966), (320, 14975), (353, 15041), (389, 15101), (391, 15104), (398, 15125), (425, 15146), (441, 15170), (446, 15179), (456, 15212), (463, 15233), (519, 15371), (542, 15422), (550, 15452), (552, 15458),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 75

Candidate Starts for Nordenberg_28:

(Start: 75 @28984 has 54 MA's), (157, 29170), (160, 29182), (Start: 180 @29209 has 1 MA's), (189, 29230), (223, 29290), (279, 29380), (304, 29416), (325, 29449), (331, 29464), (338, 29476), (354, 29506), (361, 29512), (395, 29572), (438, 29662), (468, 29752), (478, 29776), (483, 29788), (509, 29854), (523, 29893), (532, 29905),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 60

Candidate Starts for Norvs_48:

(Start: 60 @28708 has 10 MA's), (Start: 64 @28714 has 12 MA's), (102, 28762), (116, 28789), (144, 28861), (169, 28927), (186, 28957), (251, 29065), (316, 29158), (329, 29182), (335, 29197), (398, 29293), (441, 29341), (515, 29521), (532, 29557),

Gene: NothingSpecial_29 Start: 21202, Stop: 22212, Start Num: 92

Candidate Starts for NothingSpecial_29:

(Start: 92 @21202 has 316 MA's), (138, 21295), (151, 21331), (163, 21370), (287, 21577), (310, 21616), (312, 21619), (334, 21664), (465, 21982), (499, 22057), (504, 22069), (512, 22093), (545, 22159),

Gene: November_20 Start: 16335, Stop: 17471, Start Num: 25

Candidate Starts for November_20:

(Start: 25 @16335 has 231 MA's), (57, 16452), (74, 16470), (97, 16503), (116, 16542), (143, 16611), (188, 16716), (231, 16812), (264, 16866), (309, 16932), (316, 16944), (398, 17100), (427, 17124),

(455, 17190), (456, 17193), (457, 17196), (493, 17283), (540, 17400), (555, 17457),

Gene: NovoPizza_18 Start: 16611, Stop: 17699, Start Num: 49

Candidate Starts for NovoPizza_18:

(Start: 49 @16611 has 23 MA's), (Start: 52 @16620 has 1 MA's), (114, 16716), (127, 16746), (142, 16782), (143, 16785), (145, 16791), (221, 16974), (226, 16983), (233, 17004), (238, 17010), (321, 17145), (330, 17163), (378, 17247), (408, 17313), (419, 17331), (444, 17385), (478, 17484), (480, 17487), (493, 17514), (509, 17553), (542, 17631),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 79

Candidate Starts for Nubi_30:

(Start: 79 @24922 has 33 MA's), (129, 25027), (155, 25096), (157, 25102), (168, 25126), (Start: 180 @25141 has 1 MA's), (395, 25501), (399, 25516), (412, 25534), (454, 25636), (468, 25678), (483, 25714), (519, 25810), (543, 25861),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Nutello_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 61

Candidate Starts for Nyceirae_22:

(Start: 61 @17929 has 1 MA's), (Start: 81 @17938 has 1 MA's), (97, 17959), (99, 17962), (151, 18085), (177, 18145), (184, 18157), (240, 18253), (243, 18256), (264, 18292), (345, 18421), (438, 18541), (451, 18562), (466, 18613), (489, 18649), (511, 18703),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 49

Candidate Starts for OBUpride_21:

(Start: 49 @16309 has 23 MA's), (Start: 52 @16318 has 1 MA's), (114, 16414), (120, 16423), (122, 16432), (143, 16483), (145, 16489), (188, 16585), (195, 16603), (221, 16672), (226, 16681), (233, 16702), (238, 16708), (243, 16714), (245, 16717), (286, 16789), (289, 16792), (377, 16948), (401, 16999), (408, 17017), (444, 17089), (451, 17107), (480, 17191), (493, 17218), (494, 17221), (509, 17257), (515, 17275), (536, 17317), (540, 17332), (542, 17335), (550, 17365), (552, 17371),

Gene: ODay_23 Start: 17611, Stop: 18537, Start Num: 90

Candidate Starts for ODay_23:

(Start: 87 @17608 has 2 MA's), (Start: 90 @17611 has 26 MA's), (120, 17668), (155, 17770), (159, 17782), (178, 17806), (183, 17815), (185, 17818), (186, 17821), (221, 17884), (247, 17917), (257, 17938), (265, 17953), (304, 18013), (313, 18025), (327, 18049), (341, 18076), (343, 18079), (367, 18109), (396, 18163), (406, 18187), (446, 18268), (457, 18310), (458, 18313), (461, 18322), (462, 18325), (466, 18337), (467, 18340), (471, 18352), (476, 18364), (488, 18385), (491, 18394), (494, 18403), (511, 18451), (529, 18493), (532, 18499),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 89

Candidate Starts for ObLaDi_18:

(Start: 89 @15622 has 7 MA's), (105, 15649), (119, 15682), (156, 15784), (167, 15811), (182, 15835), (260, 15970), (278, 16000), (309, 16036), (312, 16042), (317, 16051), (372, 16129), (389, 16159), (392, 16165), (397, 16180), (460, 16285), (492, 16351), (532, 16450), (547, 16477), (549, 16483), (556, 16519),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 68

Candidate Starts for Obliviate_17:

(Start: 63 @15577 has 10 MA's), (Start: 68 @15583 has 23 MA's), (147, 15739), (184, 15820), (243, 15919), (317, 16027), (371, 16111), (423, 16177), (451, 16222), (492, 16312), (510, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for OctaviousRex_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 92

Candidate Starts for Octobien14_27:

(Start: 92 @21830 has 316 MA's), (101, 21845), (160, 21995), (182, 22031), (236, 22139), (297, 22238), (309, 22256), (312, 22262), (325, 22286), (392, 22379), (464, 22505), (466, 22511), (473, 22532), (491, 22559), (510, 22613), (529, 22655), (548, 22691), (553, 22709),

Gene: Odin_26 Start: 17954, Stop: 18964, Start Num: 92

Candidate Starts for Odin_26:

(Start: 92 @17954 has 316 MA's), (129, 18029), (138, 18047), (151, 18083), (287, 18329), (310, 18368), (312, 18371), (334, 18416), (368, 18506), (426, 18632), (465, 18734), (504, 18821), (512, 18845), (545, 18911),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 92

Candidate Starts for OhShagHennessy_17:

(55, 15776), (58, 15779), (Start: 78 @15812 has 9 MA's), (Start: 92 @15830 has 316 MA's), (107, 15854), (120, 15884), (125, 15899), (139, 15932), (216, 16076), (256, 16157), (310, 16232), (312, 16235), (316, 16241), (338, 16286), (368, 16313), (389, 16346), (392, 16352), (431, 16385), (439, 16394), (450, 16421), (497, 16541), (514, 16589), (529, 16616), (549, 16655), (551, 16661), (558, 16700),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 29

Candidate Starts for OkiRoe_20:

(Start: 29 @16324 has 23 MA's), (129, 16564), (130, 16567), (143, 16594), (186, 16693), (231, 16795), (264, 16849), (287, 16879), (309, 16915), (310, 16918), (316, 16927), (353, 17002), (354, 17005), (379, 17041), (398, 17083), (423, 17101), (427, 17107), (441, 17131), (443, 17134), (446, 17140), (455, 17173), (540, 17383), (552, 17422), (555, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Olga_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 25

Candidate Starts for OmniCritical_23:

(Start: 25 @17398 has 231 MA's), (31, 17416), (Start: 45 @17488 has 1 MA's), (57, 17518), (116, 17608), (130, 17650), (142, 17674), (187, 17779), (264, 17932), (312, 18001), (316, 18007), (398, 18160), (423, 18178), (441, 18208), (455, 18250), (456, 18253), (536, 18445), (540, 18460), (552, 18499), (555, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 29

Candidate Starts for Omnicron_20:

(Start: 29 @15090 has 23 MA's), (74, 15219), (104, 15264), (129, 15330), (130, 15333), (143, 15360), (157, 15402), (186, 15459), (231, 15561), (264, 15615), (287, 15645), (309, 15681), (316, 15693), (340, 15744), (353, 15768), (377, 15801), (398, 15849), (427, 15873), (441, 15897), (443, 15900), (455, 15939), (540, 16149), (552, 16188), (555, 16206),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 62

Candidate Starts for OneUp_41:

(13, 25920), (14, 25944), (16, 25953), (Start: 62 @26148 has 1 MA's), (102, 26196), (144, 26295), (150, 26310), (212, 26427), (280, 26538), (316, 26592), (329, 26616), (335, 26631), (397, 26724), (398, 26727), (422, 26742), (441, 26775), (510, 26940), (531, 26988), (532, 26991),

Gene: Onglai_27 Start: 18861, Stop: 19874, Start Num: 92

Candidate Starts for Onglai_27:

(Start: 92 @18861 has 316 MA's), (105, 18879), (129, 18936), (138, 18954), (151, 18990), (239, 19170), (260, 19206), (287, 19236), (312, 19278), (380, 19437), (445, 19581), (465, 19644), (499, 19719), (504, 19731), (512, 19755),

Gene: Oofda_29 Start: 18093, Stop: 19070, Start Num: 96

Candidate Starts for Oofda_29:

(Start: 96 @18093 has 22 MA's), (147, 18207), (150, 18213), (151, 18216), (269, 18450), (406, 18717), (442, 18771), (504, 18927),

Gene: Orange_27 Start: 19736, Stop: 20758, Start Num: 92

Candidate Starts for Orange_27:

(Start: 92 @19736 has 316 MA's), (120, 19793), (147, 19868), (212, 19997), (239, 20057), (279, 20117), (287, 20123), (312, 20165), (334, 20210), (338, 20216), (368, 20300), (383, 20333), (504, 20615), (507, 20624), (512, 20639), (545, 20705),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 25

Candidate Starts for Oscar_21:

(Start: 25 @15261 has 231 MA's), (57, 15378), (74, 15396), (104, 15441), (124, 15489), (143, 15537), (231, 15738), (264, 15792), (296, 15837), (309, 15858), (336, 15912), (353, 15945), (362, 15963), (398, 16026), (455, 16116), (456, 16119), (473, 16170), (493, 16209), (540, 16326), (552, 16365), (555, 16383),

Gene: OverPar_17 Start: 16106, Stop: 17020, Start Num: 92

Candidate Starts for OverPar_17:

(Start: 92 @16106 has 316 MA's), (107, 16130), (120, 16160), (170, 16286), (216, 16358), (309, 16511), (310, 16514), (312, 16517), (328, 16547), (377, 16604), (389, 16628), (392, 16634), (450, 16703), (454, 16721), (461, 16742), (485, 16796), (492, 16808), (514, 16871), (558, 17000), (560, 17012),

Gene: P3MA_17 Start: 13196, Stop: 14293, Start Num: 36

Candidate Starts for P3MA_17:

(Start: 36 @13196 has 1 MA's), (74, 13280), (105, 13331), (129, 13391), (130, 13394), (137, 13409), (157, 13463), (196, 13547), (234, 13640), (241, 13649), (316, 13769), (336, 13811), (354, 13847), (377, 13874), (398, 13922), (423, 13940), (433, 13958), (441, 13970), (443, 13973), (453, 14003), (455, 14006), (457, 14012), (480, 14072), (515, 14162), (523, 14183), (536, 14207), (540, 14222), (550, 14255), (552, 14261), (556, 14285),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 65

Candidate Starts for PCoral7_18:

(Start: 65 @15883 has 14 MA's), (Start: 83 @15898 has 11 MA's), (104, 15928), (113, 15949), (147, 16039), (184, 16120), (316, 16324), (317, 16327), (451, 16522), (492, 16612), (510, 16654), (531, 16702), (533, 16708),

Gene: PP_36 Start: 24810, Stop: 25829, Start Num: 89

Candidate Starts for PP_36:

(Start: 89 @24810 has 7 MA's), (129, 24888), (139, 24909), (151, 24942), (163, 24981), (182, 25011), (260, 25158), (287, 25188), (312, 25230), (383, 25404), (396, 25434), (459, 25584), (490, 25647), (499, 25674), (504, 25686), (512, 25710),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 87

Candidate Starts for PSonyx_16:

(Start: 87 @16641 has 2 MA's), (221, 16932), (228, 16944), (239, 16968), (298, 17052), (316, 17079), (328, 17103), (347, 17127), (368, 17148), (379, 17166), (394, 17196), (462, 17283), (471, 17310), (523, 17430), (532, 17445), (551, 17484),

Gene: PYPDinur_17 Start: 15692, Stop: 16579, Start Num: 92

Candidate Starts for PYPDinur_17:

(Start: 92 @15692 has 316 MA's), (107, 15716), (119, 15743), (120, 15746), (125, 15761), (139, 15794), (182, 15890), (260, 16025), (263, 16034), (310, 16094), (312, 16097), (368, 16175), (379, 16190), (392, 16214), (431, 16247), (450, 16283), (456, 16307), (462, 16325), (465, 16334), (485, 16376), (497, 16403), (514, 16451), (529, 16478), (558, 16562),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 17

Candidate Starts for Pace1224_17:

(4, 15304), (Start: 17 @15628 has 1 MA's), (Start: 25 @15664 has 231 MA's), (57, 15790), (105, 15850), (116, 15874), (130, 15916), (131, 15919), (145, 15949), (176, 16021), (187, 16045), (192, 16060), (194, 16066), (205, 16105), (210, 16111), (296, 16255), (306, 16273), (319, 16294), (322, 16300), (333, 16324), (351, 16360), (441, 16525), (455, 16567), (457, 16573), (526, 16744), (550, 16810),

Gene: PackMan_28 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for PackMan_28:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499, 21385), (504, 21397), (512, 21421),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Padfoot_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 25

Candidate Starts for Padpat_22:

(Start: 25 @16011 has 231 MA's), (57, 16128), (116, 16218), (124, 16239), (130, 16260), (143, 16287), (264, 16542), (317, 16623), (354, 16698), (362, 16713), (441, 16824), (455, 16866), (493, 16959), (501, 16983), (540, 17076), (552, 17115), (555, 17133),

Gene: PainterBoy_28 Start: 19862, Stop: 20878, Start Num: 92

Candidate Starts for PainterBoy_28:

(Start: 92 @19862 has 316 MA's), (105, 19880), (138, 19955), (163, 20030), (204, 20093), (287, 20237), (310, 20276), (312, 20279), (355, 20366), (454, 20618), (459, 20633), (472, 20669), (504,

20735), (510, 20753), (512, 20759),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 25

Candidate Starts for Paito_17:

(Start: 25 @15610 has 231 MA's), (57, 15730), (74, 15748), (105, 15799), (116, 15823), (129, 15862), (142, 15889), (173, 15967), (176, 15970), (186, 15991), (210, 16045), (252, 16120), (316, 16222), (322, 16234), (423, 16429), (441, 16459), (449, 16477), (488, 16579), (550, 16744),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 29

Candidate Starts for Paola_20:

(Start: 29 @16323 has 23 MA's), (129, 16563), (130, 16566), (143, 16593), (186, 16692), (231, 16794), (264, 16848), (287, 16878), (309, 16914), (310, 16917), (316, 16926), (353, 17001), (354, 17004), (398, 17082), (423, 17100), (427, 17106), (441, 17130), (443, 17133), (446, 17139), (455, 17172), (540, 17382), (552, 17421), (555, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 53

Candidate Starts for Parada_21:

(Start: 53 @16293 has 20 MA's), (Start: 87 @16338 has 2 MA's), (105, 16368), (151, 16476), (215, 16626), (233, 16674), (286, 16758), (292, 16767), (319, 16809), (414, 16986), (432, 17019), (449, 17055), (525, 17250), (551, 17322), (552, 17325),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 75

Candidate Starts for Paries_36:

(Start: 75 @30450 has 54 MA's), (157, 30636), (160, 30648), (Start: 180 @30675 has 1 MA's), (189, 30696), (223, 30756), (277, 30843), (279, 30846), (304, 30882), (325, 30915), (331, 30930), (338, 30942), (354, 30972), (361, 30978), (395, 31038), (438, 31128), (468, 31218), (478, 31242), (483, 31254), (509, 31320), (523, 31359), (532, 31371),

Gene: Partridge_22 Start: 15513, Stop: 16385, Start Num: 98

Candidate Starts for Partridge_22:

(Start: 98 @15513 has 85 MA's), (116, 15552), (150, 15639), (Start: 180 @15708 has 1 MA's), (224, 15786), (312, 15924), (465, 16149), (471, 16167), (504, 16236), (556, 16374),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 25

Candidate Starts for Patt_23:

(Start: 25 @17231 has 231 MA's), (31, 17249), (Start: 45 @17321 has 1 MA's), (57, 17351), (116, 17441), (120, 17450), (130, 17483), (142, 17507), (187, 17612), (264, 17765), (312, 17834), (316, 17840), (398, 17993), (423, 18011), (441, 18041), (455, 18083), (456, 18086), (536, 18278), (540, 18293), (552, 18332), (555, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 25

Candidate Starts for Peanam_22:

(Start: 25 @15375 has 231 MA's), (57, 15495), (116, 15585), (143, 15654), (186, 15753), (187, 15756), (231, 15855), (264, 15909), (317, 15990), (354, 16065), (362, 16080), (427, 16167), (441, 16191), (455, 16233), (456, 16236), (473, 16287), (493, 16326), (526, 16410), (536, 16428), (540, 16443), (552, 16482), (555, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Peeb_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Peel_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 86

Candidate Starts for PegLeg_27:

(Start: 86 @21456 has 21 MA's), (133, 21558), (142, 21576), (147, 21591), (182, 21663), (186, 21672), (230, 21750), (309, 21885), (310, 21888), (312, 21891), (352, 21960), (389, 22002), (392, 22008), (472, 22149), (485, 22170), (492, 22182), (547, 22305), (551, 22317),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Periodt_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Petersenfast_26 Start: 19733, Stop: 20755, Start Num: 92

Candidate Starts for Petersenfast_26:

(Start: 92 @19733 has 316 MA's), (120, 19790), (147, 19865), (212, 19994), (239, 20054), (279, 20114), (287, 20120), (312, 20162), (334, 20207), (338, 20213), (368, 20297), (383, 20330), (504, 20612), (507, 20621), (512, 20636), (545, 20702),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 68

Candidate Starts for Petra_20:

(Start: 63 @16188 has 10 MA's), (Start: 68 @16194 has 23 MA's), (132, 16311), (147, 16350), (184, 16431), (243, 16530), (317, 16638), (371, 16722), (423, 16788), (427, 16794), (492, 16923), (510, 16965),

Gene: PetterN_24 Start: 17936, Stop: 18949, Start Num: 98

Candidate Starts for PetterN_24:

(Start: 98 @17936 has 85 MA's), (150, 18065), (151, 18068), (163, 18107), (256, 18272), (279, 18302), (287, 18308), (297, 18326), (312, 18350), (333, 18392), (504, 18806), (545, 18896),

Gene: Ph8s_28 Start: 17912, Stop: 18922, Start Num: 92

Candidate Starts for Ph8s_28:

(Start: 92 @17912 has 316 MA's), (129, 17987), (138, 18005), (151, 18041), (287, 18287), (310, 18326), (312, 18329), (368, 18464), (406, 18557), (426, 18590), (472, 18713), (491, 18743), (504, 18779), (512, 18803),

Gene: Phaded_30 Start: 21122, Stop: 22138, Start Num: 92

Candidate Starts for Phaded_30:

(Start: 92 @21122 has 316 MA's), (129, 21197), (138, 21215), (163, 21290), (239, 21431), (256, 21461), (287, 21497), (312, 21539), (356, 21629), (364, 21665), (368, 21680), (426, 21806), (459, 21893), (504, 21995), (512, 22019),

Gene: Phaeder_28 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for Phaeder_28:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499,

21385), (504, 21397), (512, 21421),

Gene: PhailMary_21 Start: 15802, Stop: 16674, Start Num: 98

Candidate Starts for PhailMary_21:

(Start: 98 @15802 has 85 MA's), (116, 15841), (150, 15928), (Start: 180 @15997 has 1 MA's), (224, 16075), (234, 16102), (312, 16213), (378, 16309), (465, 16438), (471, 16456), (504, 16525), (556, 16663),

Gene: Pharaoh_27 Start: 20243, Stop: 21259, Start Num: 92

Candidate Starts for Pharaoh_27:

(35, 20123), (Start: 92 @20243 has 316 MA's), (138, 20336), (151, 20372), (163, 20411), (170, 20423), (219, 20507), (279, 20612), (287, 20618), (310, 20657), (312, 20660), (357, 20768), (364, 20786), (455, 21002), (504, 21116),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 25

Candidate Starts for Pharb_21:

(Start: 25 @16291 has 231 MA's), (57, 16414), (74, 16432), (104, 16477), (105, 16483), (120, 16513), (130, 16546), (176, 16651), (186, 16672), (188, 16678), (214, 16735), (231, 16774), (252, 16804), (309, 16891), (328, 16927), (423, 17074), (441, 17104), (446, 17113), (455, 17146), (456, 17149), (457, 17152), (480, 17212), (493, 17239), (529, 17326), (548, 17383), (550, 17389), (552, 17395),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 59

Candidate Starts for Phauci_25:

(Start: 59 @24740 has 25 MA's), (129, 24863), (145, 24899), (168, 24959), (221, 25055), (293, 25166), (305, 25187), (366, 25289), (386, 25325), (481, 25541), (483, 25547), (491, 25562), (496, 25577), (509, 25613), (521, 25646), (522, 25649), (551, 25715),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 25

Candidate Starts for PhelpsODU_21:

(Start: 25 @15233 has 231 MA's), (57, 15353), (116, 15443), (143, 15512), (231, 15713), (264, 15767), (287, 15797), (362, 15938), (397, 15998), (423, 16019), (441, 16049), (455, 16091), (456, 16094), (457, 16097), (493, 16184), (501, 16208), (536, 16286), (540, 16301), (552, 16340), (555, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 53

Candidate Starts for Phendrix_86:

(Start: 53 @51239 has 20 MA's), (Start: 87 @51278 has 2 MA's), (133, 51383), (143, 51404), (159, 51455), (162, 51461), (184, 51494), (284, 51662), (305, 51692), (405, 51872), (433, 51926), (446, 51947), (456, 51986), (457, 51989), (466, 52016), (467, 52019), (469, 52025), (483, 52052), (493, 52070), (507, 52109), (524, 52154), (527, 52160), (532, 52163),

Gene: Phillis_23 Start: 17609, Stop: 18631, Start Num: 98

Candidate Starts for Phillis_23:

(Start: 98 @17609 has 85 MA's), (147, 17732), (150, 17738), (182, 17810), (239, 17915), (254, 17942), (312, 18032), (364, 18152), (394, 18233), (404, 18263), (406, 18266), (499, 18476), (513, 18515), (540, 18563), (545, 18578),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 59

Candidate Starts for Phinally_32:

(Start: 59 @28148 has 25 MA's), (129, 28271), (145, 28307), (168, 28367), (221, 28463), (293, 28574), (305, 28595), (366, 28697), (379, 28718), (386, 28733), (416, 28790), (443, 28841), (481, 28949), (483, 28955), (491, 28970), (497, 28988), (509, 29021), (521, 29054), (522, 29057), (551, 29123),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 64

Candidate Starts for PhinkBoden_47:

(Start: 64 @29095 has 12 MA's), (102, 29143), (116, 29170), (144, 29242), (169, 29308), (186, 29338), (251, 29446), (316, 29539), (329, 29563), (335, 29578), (398, 29674), (441, 29722), (515, 29902), (532, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Phish_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 63

Candidate Starts for Phishy_21:

(Start: 63 @17919 has 10 MA's), (Start: 68 @17925 has 23 MA's), (97, 17961), (99, 17964), (142, 18063), (167, 18132), (177, 18147), (184, 18159), (240, 18255), (243, 18258), (249, 18267), (256, 18279), (264, 18294), (345, 18423), (438, 18543), (451, 18564), (511, 18705),

Gene: Phlei_22 Start: 20737, Stop: 21756, Start Num: 92

Candidate Starts for Phlei_22:

(Start: 92 @20737 has 316 MA's), (138, 20833), (186, 20947), (260, 21085), (279, 21109), (287, 21115), (312, 21157), (333, 21199), (339, 21211), (356, 21247), (368, 21298), (383, 21331), (398, 21370), (507, 21622), (512, 21637), (545, 21703),

Gene: Phloodle_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Phloodle_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 79

Candidate Starts for Phlop_30:

(Start: 79 @25004 has 33 MA's), (129, 25109), (155, 25178), (157, 25184), (168, 25208), (Start: 180 @25223 has 1 MA's), (395, 25583), (399, 25598), (412, 25616), (454, 25718), (468, 25760), (483, 25796), (519, 25892), (543, 25943),

Gene: Phlorence_23 Start: 18754, Stop: 19767, Start Num: 98

Candidate Starts for Phlorence_23:

(Start: 98 @18754 has 85 MA's), (138, 18850), (150, 18883), (151, 18886), (163, 18925), (189, 18973), (287, 19126), (297, 19144), (312, 19168), (333, 19210), (459, 19522), (504, 19624), (513, 19651), (545, 19714),

Gene: Phonnegut_28 Start: 20560, Stop: 21573, Start Num: 92

Candidate Starts for Phonnegut_28:

(Start: 92 @20560 has 316 MA's), (105, 20578), (129, 20635), (138, 20653), (151, 20689), (239, 20869), (260, 20905), (287, 20935), (312, 20977), (380, 21136), (445, 21280), (465, 21343), (499, 21418), (504, 21430), (512, 21454),

Gene: PhorbesPhlower_17 Start: 14248, Stop: 15156, Start Num: 90

Candidate Starts for PhorbesPhlower_17:

(Start: 90 @14248 has 26 MA's), (118, 14299), (159, 14419), (178, 14443), (185, 14455), (186, 14458), (221, 14521), (304, 14650), (323, 14677), (338, 14704), (340, 14710), (341, 14713), (396, 14800),

(446, 14905), (458, 14932), (461, 14941), (462, 14944), (467, 14959), (488, 15004), (491, 15013),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 25

Candidate Starts for Phrank_21:

(Start: 25 @15187 has 231 MA's), (57, 15307), (116, 15397), (143, 15466), (231, 15667), (362, 15892), (397, 15952), (423, 15973), (455, 16045), (456, 16048), (457, 16051), (493, 16138), (501, 16162), (536, 16240), (540, 16255), (552, 16294), (555, 16312),

Gene: Phrankenstein_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Phrankenstein_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (239, 15786), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Phreak_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 68

Candidate Starts for PhrostedPhlake_19:

(Start: 63 @16163 has 10 MA's), (Start: 68 @16169 has 23 MA's), (147, 16325), (184, 16406), (243, 16505), (317, 16613), (371, 16697), (423, 16763), (427, 16769), (492, 16898), (501, 16925), (510, 16940),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Piatt_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: PickleBack_23 Start: 18468, Stop: 19481, Start Num: 98

Candidate Starts for PickleBack_23:

(Start: 98 @18468 has 85 MA's), (138, 18564), (150, 18597), (151, 18600), (163, 18639), (189, 18687), (287, 18840), (297, 18858), (312, 18882), (333, 18924), (459, 19236), (504, 19338), (513, 19365), (545, 19428),

Gene: Pimento_22 Start: 15990, Stop: 17051, Start Num: 53

Candidate Starts for Pimento_22:

(Start: 53 @15990 has 20 MA's), (Start: 87 @16035 has 2 MA's), (105, 16065), (151, 16173), (215, 16323), (233, 16371), (286, 16455), (292, 16464), (319, 16506), (414, 16683), (449, 16752), (525, 16947), (551, 17019), (552, 17022),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 79

Candidate Starts for PinkCoffee_32:

(Start: 79 @25643 has 33 MA's), (129, 25748), (155, 25817), (157, 25823), (168, 25847), (Start: 180 @25862 has 1 MA's), (395, 26222), (399, 26237), (412, 26255), (454, 26357), (468, 26399), (483, 26435), (519, 26531), (543, 26582),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 25

Candidate Starts for PinkYoshi_17:

(4, 15135), (Start: 25 @15468 has 231 MA's), (57, 15588), (74, 15606), (104, 15651), (105, 15657), (129, 15720), (145, 15756), (173, 15825), (176, 15828), (186, 15849), (210, 15903), (231, 15948), (252, 15978), (316, 16080), (322, 16092), (328, 16104), (336, 16122), (423, 16287), (441, 16317), (449, 16335), (455, 16359), (502, 16479), (540, 16569), (550, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 25

Candidate Starts for Pinnie_18:

(Start: 25 @16180 has 231 MA's), (74, 16324), (105, 16375), (130, 16441), (131, 16444), (145, 16474), (176, 16546), (205, 16615), (210, 16621), (290, 16756), (322, 16810), (351, 16870), (409, 16978), (441, 17035), (455, 17077), (525, 17251), (526, 17254), (550, 17320),

Gene: Pioneer_28 Start: 20560, Stop: 21573, Start Num: 92

Candidate Starts for Pioneer_28:

(Start: 92 @20560 has 316 MA's), (105, 20578), (129, 20635), (138, 20653), (151, 20689), (239, 20869), (260, 20905), (287, 20935), (312, 20977), (380, 21136), (445, 21280), (465, 21343), (499, 21418), (504, 21430), (512, 21454),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 63

Candidate Starts for Pipp_18:

(Start: 63 @15781 has 10 MA's), (Start: 68 @15787 has 23 MA's), (Start: 83 @15802 has 11 MA's), (147, 15943), (184, 16024), (317, 16231), (371, 16315), (423, 16381), (451, 16426), (492, 16516), (501, 16543), (510, 16558),

Gene: Piro94_28 Start: 19659, Stop: 20675, Start Num: 92

Candidate Starts for Piro94_28:

(Start: 92 @19659 has 316 MA's), (129, 19734), (138, 19752), (151, 19788), (163, 19827), (260, 20004), (287, 20034), (310, 20073), (312, 20076), (504, 20532), (512, 20556),

Gene: Pisa1_21 Start: 16089, Stop: 17225, Start Num: 25

Candidate Starts for Pisa1_21:

(Start: 25 @16089 has 231 MA's), (57, 16206), (124, 16317), (130, 16338), (143, 16365), (231, 16566), (264, 16620), (317, 16701), (354, 16776), (362, 16791), (441, 16902), (455, 16944), (493, 17037), (501, 17061), (540, 17154), (552, 17193), (555, 17211),

Gene: Pisa4_21 Start: 16089, Stop: 17225, Start Num: 25

Candidate Starts for Pisa4_21:

(Start: 25 @16089 has 231 MA's), (57, 16206), (124, 16317), (130, 16338), (143, 16365), (231, 16566), (264, 16620), (317, 16701), (354, 16776), (362, 16791), (441, 16902), (455, 16944), (493, 17037), (501, 17061), (540, 17154), (552, 17193), (555, 17211),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 25

Candidate Starts for Pixie_21:

(Start: 25 @16222 has 231 MA's), (57, 16345), (104, 16408), (105, 16414), (120, 16444), (130, 16477), (176, 16582), (186, 16603), (188, 16609), (214, 16666), (231, 16705), (252, 16735), (309, 16822), (328, 16858), (340, 16885), (423, 17005), (441, 17035), (446, 17044), (455, 17077), (456, 17080), (457, 17083), (493, 17170), (529, 17257), (550, 17320), (552, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Plagueis_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Pmask_30 Start: 18960, Stop: 19973, Start Num: 92

Candidate Starts for Pmask_30:

(Start: 92 @18960 has 316 MA's), (120, 19014), (138, 19053), (182, 19158), (260, 19305), (287, 19335), (310, 19374), (312, 19377), (334, 19422), (357, 19482), (445, 19680), (504, 19830), (507, 19839),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 92

Candidate Starts for Poise_49:

(Start: 92 @25756 has 316 MA's), (147, 25888), (155, 25912), (159, 25921), (161, 25927), (166, 25936), (182, 25960), (186, 25969), (191, 25981), (196, 25993), (254, 26107), (302, 26188), (312, 26203), (316, 26209), (389, 26317), (465, 26443), (467, 26449), (535, 26599), (537, 26605), (542, 26617), (543, 26620), (561, 26707), (562, 26710), (563, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 25

Candidate Starts for Pokerus_21:

(Start: 25 @15968 has 231 MA's), (57, 16085), (116, 16175), (124, 16196), (130, 16217), (143, 16244), (264, 16499), (317, 16580), (354, 16655), (362, 16670), (441, 16781), (455, 16823), (493, 16916), (501, 16940), (540, 17033), (552, 17072), (555, 17090),

Gene: Pollux_19 Start: 16661, Stop: 17569, Start Num: 90

Candidate Starts for Pollux_19:

(Start: 90 @16661 has 26 MA's), (120, 16718), (174, 16853), (183, 16868), (185, 16871), (215, 16922), (282, 17030), (313, 17078), (327, 17102), (338, 17120), (340, 17126), (367, 17162), (446, 17318), (458, 17345), (462, 17357), (467, 17372), (488, 17417), (494, 17435), (497, 17444), (510, 17480), (511, 17483), (525, 17519), (529, 17525), (532, 17531),

Gene: Polyphemus_30 Start: 18958, Stop: 19971, Start Num: 92

Candidate Starts for Polyphemus_30:

(Start: 92 @18958 has 316 MA's), (120, 19012), (138, 19051), (182, 19156), (260, 19303), (287, 19333), (310, 19372), (312, 19375), (334, 19420), (357, 19480), (445, 19678), (504, 19828), (507, 19837),

Gene: Pomar16_30 Start: 19083, Stop: 20093, Start Num: 92

Candidate Starts for Pomar16_30:

(Start: 92 @19083 has 316 MA's), (120, 19137), (129, 19158), (138, 19176), (219, 19347), (287, 19458), (310, 19497), (312, 19500), (334, 19545), (465, 19863), (499, 19938), (504, 19950), (512, 19974), (545, 20040),

Gene: Poochiewood_17 Start: 15865, Stop: 16746, Start Num: 92

Candidate Starts for Poochiewood_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 79

Candidate Starts for Portcullis_30:

(Start: 79 @24953 has 33 MA's), (129, 25058), (155, 25127), (157, 25133), (168, 25157), (Start: 180 @25172 has 1 MA's), (395, 25532), (399, 25547), (412, 25565), (454, 25667), (468, 25709), (483, 25745), (519, 25841), (543, 25892),

Gene: Posh_19 Start: 16625, Stop: 17533, Start Num: 90

Candidate Starts for Posh_19:

(Start: 90 @16625 has 26 MA's), (120, 16682), (174, 16817), (183, 16832), (185, 16835), (215, 16886), (257, 16955), (282, 16994), (313, 17042), (327, 17066), (338, 17084), (340, 17090), (367, 17126), (446, 17282), (458, 17309), (462, 17321), (467, 17336), (488, 17381), (494, 17399), (497, 17408), (510, 17444), (511, 17447), (525, 17483), (529, 17489), (532, 17495),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 83

Candidate Starts for Poushou_18:

(Start: 83 @16550 has 11 MA's), (Start: 85 @16553 has 1 MA's), (125, 16637), (182, 16775), (377, 17063),

Gene: Power_27 Start: 19105, Stop: 20121, Start Num: 92

Candidate Starts for Power_27:

(Start: 92 @19105 has 316 MA's), (129, 19180), (138, 19198), (151, 19234), (163, 19273), (287, 19480), (310, 19519), (312, 19522), (426, 19789), (465, 19891), (499, 19966), (504, 19978), (545, 20068),

Gene: Priamo_30 Start: 19009, Stop: 20022, Start Num: 92

Candidate Starts for Priamo_30:

(Start: 92 @19009 has 316 MA's), (120, 19063), (138, 19102), (151, 19138), (182, 19207), (260, 19354), (287, 19384), (310, 19423), (312, 19426), (334, 19471), (357, 19531), (406, 19657), (445, 19729), (504, 19879), (507, 19888),

Gene: Prinashe11_24 Start: 18616, Stop: 19629, Start Num: 98

Candidate Starts for Prinashe11_24:

(Start: 98 @18616 has 85 MA's), (138, 18712), (150, 18745), (151, 18748), (163, 18787), (239, 18922), (279, 18982), (287, 18988), (297, 19006), (312, 19030), (333, 19072), (459, 19384), (504, 19486), (545, 19576),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 65

Candidate Starts for PrincePatrick_18:

(Start: 65 @15957 has 14 MA's), (Start: 83 @15972 has 11 MA's), (104, 16002), (113, 16023), (147, 16113), (184, 16194), (316, 16398), (317, 16401), (451, 16596), (492, 16686), (510, 16728), (531, 16776), (533, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 92

Candidate Starts for Pringar_49:

(Start: 92 @26044 has 316 MA's), (147, 26176), (155, 26200), (159, 26209), (161, 26215), (166, 26224), (182, 26248), (186, 26257), (191, 26269), (254, 26395), (302, 26476), (312, 26491), (316, 26497), (389, 26605), (465, 26731), (467, 26737), (535, 26887), (537, 26893), (542, 26905), (543, 26908), (561, 26995), (562, 26998), (563, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 25

Candidate Starts for Prithvi_22:

(Start: 25 @15985 has 231 MA's), (57, 16102), (116, 16192), (124, 16213), (130, 16234), (143, 16261), (264, 16516), (317, 16597), (354, 16672), (362, 16687), (441, 16798), (455, 16840), (493, 16933), (501, 16957), (540, 17050), (552, 17089), (555, 17107),

Gene: Priya_28 Start: 20558, Stop: 21571, Start Num: 92

Candidate Starts for Priya_28:

(Start: 92 @20558 has 316 MA's), (105, 20576), (129, 20633), (138, 20651), (151, 20687), (239, 20867), (260, 20903), (287, 20933), (312, 20975), (380, 21134), (445, 21278), (465, 21341), (499, 21416), (504, 21428), (512, 21452),

Gene: Prudy_29 Start: 20964, Stop: 21977, Start Num: 92

Candidate Starts for Prudy_29:

(Start: 92 @20964 has 316 MA's), (138, 21057), (151, 21093), (163, 21132), (287, 21339), (310, 21378), (312, 21381), (334, 21426), (357, 21486), (406, 21612), (426, 21645), (504, 21834),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 29

Candidate Starts for Psycho_20:

(Start: 29 @16299 has 23 MA's), (104, 16473), (129, 16539), (143, 16569), (186, 16668), (231, 16770), (264, 16824), (287, 16854), (309, 16890), (310, 16893), (316, 16902), (353, 16977), (354, 16980), (379, 17016), (398, 17058), (423, 17076), (427, 17082), (441, 17106), (443, 17109), (455, 17148), (496, 17250), (540, 17358), (552, 17397), (555, 17415),

Gene: Pukovnik_29 Start: 20677, Stop: 21693, Start Num: 92

Candidate Starts for Pukovnik_29:

(Start: 92 @20677 has 316 MA's), (129, 20752), (138, 20770), (163, 20845), (173, 20860), (239, 20986), (287, 21052), (310, 21091), (312, 21094), (317, 21103), (356, 21184), (368, 21235), (504, 21550), (512, 21574),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 79

Candidate Starts for PullumCavea_30:

(Start: 79 @25004 has 33 MA's), (129, 25109), (155, 25178), (157, 25184), (168, 25208), (Start: 180 @25223 has 1 MA's), (395, 25583), (399, 25598), (412, 25616), (454, 25718), (468, 25760), (483, 25796), (519, 25892), (543, 25943),

Gene: Pumpkiney_35 Start: 27100, Stop: 28077, Start Num: 59

Candidate Starts for Pumpkiney_35:

(Start: 59 @27100 has 25 MA's), (112, 27175), (118, 27187), (129, 27223), (145, 27259), (191, 27361), (221, 27415), (263, 27487), (308, 27550), (314, 27559), (343, 27616), (366, 27649), (385, 27682), (386, 27685), (416, 27742), (457, 27838), (468, 27871), (471, 27880), (483, 27901), (496, 27928), (503, 27949), (507, 27958), (509, 27964), (521, 27997), (522, 28000), (546, 28054), (551, 28066),

Gene: Puppies_17 Start: 14309, Stop: 15142, Start Num: 94

Candidate Starts for Puppies_17:

(Start: 94 @14309 has 18 MA's), (125, 14378), (157, 14462), (184, 14513), (248, 14621), (304, 14714), (312, 14726), (319, 14732), (354, 14798), (443, 14924), (457, 14951), (458, 14954), (464, 14972), (472, 14987), (492, 15026),

Gene: Pytheas_19 Start: 16771, Stop: 17679, Start Num: 90

Candidate Starts for Pytheas_19:

(Start: 90 @16771 has 26 MA's), (120, 16828), (174, 16963), (183, 16978), (185, 16981), (215, 17032), (282, 17140), (313, 17188), (327, 17212), (338, 17230), (340, 17236), (367, 17272), (446, 17428), (458, 17455), (462, 17467), (467, 17482), (488, 17527), (494, 17545), (497, 17554), (510, 17590), (511, 17593), (525, 17629), (529, 17635), (532, 17641),

Gene: Qhanda_24 Start: 17527, Stop: 18642, Start Num: 31

Candidate Starts for Qhanda_24:

(Start: 25 @17509 has 231 MA's), (31, 17527), (Start: 45 @17599 has 1 MA's), (57, 17629), (116, 17719), (130, 17761), (142, 17785), (187, 17890), (264, 18043), (312, 18112), (316, 18118), (398, 18271), (423, 18289), (441, 18319), (455, 18361), (456, 18364), (540, 18571), (552, 18610), (555, 18628),

Gene: Qobbit_28 Start: 20557, Stop: 21570, Start Num: 92

Candidate Starts for Qobbit_28:

(Start: 92 @20557 has 316 MA's), (105, 20575), (129, 20632), (138, 20650), (151, 20686), (239, 20866), (260, 20902), (287, 20932), (312, 20974), (380, 21133), (445, 21277), (465, 21340), (499, 21415), (504, 21427), (512, 21451),

Gene: Quby_17 Start: 15700, Stop: 16587, Start Num: 92

Candidate Starts for Quby_17:

(Start: 92 @15700 has 316 MA's), (107, 15724), (119, 15751), (120, 15754), (125, 15769), (139, 15802), (182, 15898), (260, 16033), (263, 16042), (310, 16102), (312, 16105), (368, 16183), (379, 16198), (392, 16222), (450, 16291), (456, 16315), (462, 16333), (485, 16384), (497, 16411), (514, 16459), (529, 16486), (558, 16570),

Gene: QueenB2_27 Start: 19223, Stop: 20239, Start Num: 92

Candidate Starts for QueenB2_27:

(Start: 92 @19223 has 316 MA's), (129, 19298), (138, 19316), (151, 19352), (163, 19391), (287, 19598), (310, 19637), (312, 19640), (426, 19907), (465, 20009), (499, 20084), (504, 20096), (545, 20186),

Gene: QueenBeesly_27 Start: 19105, Stop: 20121, Start Num: 92

Candidate Starts for QueenBeesly_27:

(Start: 92 @19105 has 316 MA's), (129, 19180), (138, 19198), (151, 19234), (163, 19273), (287, 19480), (310, 19519), (312, 19522), (426, 19789), (465, 19891), (499, 19966), (504, 19978), (545, 20068),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 25

Candidate Starts for QuincyRose_21:

(Start: 25 @16031 has 231 MA's), (57, 16148), (116, 16238), (124, 16259), (130, 16280), (143, 16307), (264, 16562), (317, 16643), (354, 16718), (362, 16733), (441, 16844), (455, 16886), (493, 16979), (501, 17003), (540, 17096), (552, 17135), (555, 17153),

Gene: Quokka_25 Start: 18067, Stop: 19077, Start Num: 92

Candidate Starts for Quokka_25:

(Start: 92 @18067 has 316 MA's), (120, 18121), (129, 18142), (138, 18160), (163, 18235), (287, 18442), (310, 18481), (312, 18484), (334, 18529), (406, 18712), (426, 18745), (465, 18847), (504, 18934), (545, 19024),

Gene: REQ2_19 Start: 18255, Stop: 19085, Start Num: 91

Candidate Starts for REQ2_19:

(Start: 91 @18255 has 1 MA's), (108, 18288), (116, 18300), (165, 18435), (186, 18471), (279, 18618), (295, 18642), (316, 18669), (376, 18762), (394, 18792), (443, 18852), (479, 18936), (487, 18948), (511, 19008), (523, 19041), (531, 19053), (538, 19071),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 95

Candidate Starts for REQ3_49:

(Start: 95 @31366 has 2 MA's), (111, 31399), (116, 31411), (147, 31492), (216, 31615), (222, 31633), (239, 31669), (312, 31774), (331, 31813), (397, 31927), (398, 31930), (462, 32029), (504, 32131), (530, 32191), (556, 32266),

Gene: RER2_15 Start: 12352, Stop: 13224, Start Num: 98

Candidate Starts for RER2_15:

(Start: 98 @12352 has 85 MA's), (116, 12391), (147, 12472), (150, 12478), (Start: 180 @12547 has 1 MA's), (224, 12625), (256, 12685), (312, 12763), (378, 12859), (465, 12988), (471, 13006), (499, 13063), (504, 13075), (518, 13117), (556, 13213),

Gene: RGL3_15 Start: 12514, Stop: 13386, Start Num: 98

Candidate Starts for RGL3_15:

(Start: 98 @12514 has 85 MA's), (124, 12574), (150, 12640), (173, 12697), (Start: 180 @12709 has 1 MA's), (239, 12820), (279, 12877), (312, 12925), (344, 12976), (465, 13150), (473, 13174), (491, 13201), (499, 13225), (504, 13237),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 80

Candidate Starts for Rabbitrun_29:

(Start: 80 @22682 has 1 MA's), (Start: 92 @22697 has 316 MA's), (120, 22754), (129, 22784), (148, 22829), (160, 22862), (182, 22898), (222, 22973), (234, 23003), (236, 23006), (260, 23042), (297, 23105), (298, 23108), (309, 23123), (325, 23153), (331, 23168), (347, 23189), (392, 23249), (394, 23255), (473, 23402), (490, 23426), (510, 23483), (540, 23540), (549, 23564), (553, 23579),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 25

Candidate Starts for Rabbs_17:

(3, 15083), (4, 15143), (Start: 25 @15479 has 231 MA's), (57, 15605), (74, 15623), (104, 15668), (105, 15674), (129, 15737), (145, 15773), (173, 15842), (176, 15845), (186, 15866), (210, 15920), (252, 15995), (316, 16097), (322, 16109), (423, 16304), (441, 16334), (449, 16352), (455, 16376), (496, 16478), (502, 16496), (540, 16586), (550, 16619),

Gene: Rachaly_30 Start: 20827, Stop: 21837, Start Num: 92

Candidate Starts for Rachaly_30:

(Start: 92 @20827 has 316 MA's), (138, 20920), (151, 20956), (163, 20995), (287, 21202), (310, 21241), (312, 21244), (334, 21289), (368, 21379), (406, 21472), (426, 21505), (465, 21607), (499, 21682), (504, 21694), (545, 21784),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 92

Candidate Starts for Raela_49:

(Start: 92 @26311 has 316 MA's), (147, 26443), (155, 26467), (159, 26476), (161, 26482), (166, 26491), (182, 26515), (186, 26524), (191, 26536), (254, 26662), (302, 26743), (312, 26758), (316, 26764), (389, 26872), (465, 26998), (467, 27004), (502, 27079), (535, 27154), (537, 27160), (542, 27172), (543, 27175), (561, 27262), (562, 27265), (563, 27268),

Gene: Rahalelujah_26 Start: 18587, Stop: 19609, Start Num: 92

Candidate Starts for Rahalelujah_26:

(Start: 92 @18587 has 316 MA's), (105, 18605), (120, 18641), (129, 18662), (138, 18680), (182, 18785), (260, 18932), (287, 18962), (312, 19004), (357, 19109), (377, 19154), (393, 19199), (415, 19250), (418, 19256), (421, 19265), (465, 19379), (491, 19430), (499, 19454), (504, 19466), (545, 19556),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 25

Candidate Starts for Ramen_22:

(Start: 25 @16017 has 231 MA's), (57, 16134), (116, 16224), (124, 16245), (130, 16266), (143, 16293), (264, 16548), (317, 16629), (354, 16704), (362, 16719), (441, 16830), (455, 16872), (493, 16965), (501, 16989), (540, 17082), (552, 17121), (555, 17139),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 29

Candidate Starts for Rando14_20:

(Start: 29 @14989 has 23 MA's), (74, 15118), (104, 15163), (129, 15229), (130, 15232), (143, 15259), (186, 15358), (231, 15460), (264, 15514), (287, 15544), (309, 15580), (316, 15592), (340, 15643), (353, 15667), (377, 15700), (398, 15748), (427, 15772), (441, 15796), (443, 15799), (455, 15838), (540, 16048), (552, 16087), (555, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 25

Candidate Starts for Rapunzel97_22:

(Start: 25 @16018 has 231 MA's), (57, 16135), (116, 16225), (124, 16246), (130, 16267), (143, 16294), (264, 16549), (317, 16630), (354, 16705), (362, 16720), (441, 16831), (455, 16873), (493, 16966), (501, 16990), (540, 17083), (552, 17122), (555, 17140),

Gene: Rasputin_22 Start: 15448, Stop: 16320, Start Num: 98

Candidate Starts for Rasputin_22:

(Start: 98 @15448 has 85 MA's), (116, 15487), (147, 15568), (150, 15574), (Start: 180 @15643 has 1 MA's), (224, 15721), (234, 15748), (312, 15859), (378, 15955), (465, 16084), (471, 16102), (504, 16171), (556, 16309),

Gene: Rattrick_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Rattrick_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Ravana_30 Start: 18083, Stop: 19060, Start Num: 96

Candidate Starts for Ravana_30:

(Start: 96 @18083 has 22 MA's), (147, 18197), (150, 18203), (151, 18206), (269, 18440), (406, 18707), (442, 18761), (504, 18917),

Gene: ReMo_29 Start: 18119, Stop: 19096, Start Num: 96

Candidate Starts for ReMo_29:

(Start: 96 @18119 has 22 MA's), (147, 18233), (150, 18239), (151, 18242), (269, 18476), (406, 18743), (442, 18797), (504, 18953),

Gene: Red305_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for Red305_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (466, 17138), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 92

Candidate Starts for RedRaider77_49:

(Start: 92 @26212 has 316 MA's), (147, 26344), (155, 26368), (159, 26377), (161, 26383), (166, 26392), (182, 26416), (186, 26425), (191, 26437), (254, 26563), (302, 26644), (312, 26659), (316, 26665), (389, 26773), (465, 26899), (467, 26905), (502, 26980), (535, 27055), (537, 27061), (542, 27073), (543, 27076), (561, 27163), (562, 27166), (563, 27169),

Gene: RedRock_30 Start: 21090, Stop: 22103, Start Num: 92

Candidate Starts for RedRock_30:

(Start: 92 @21090 has 316 MA's), (105, 21108), (129, 21165), (138, 21183), (151, 21219), (163, 21258), (287, 21465), (310, 21504), (312, 21507), (334, 21552), (406, 21738), (426, 21771), (459, 21858), (504, 21960),

Gene: Refuge_30 Start: 22099, Stop: 23115, Start Num: 92

Candidate Starts for Refuge_30:

(Start: 92 @22099 has 316 MA's), (129, 22174), (138, 22192), (151, 22228), (163, 22267), (287, 22474), (310, 22513), (312, 22516), (381, 22681), (398, 22729), (504, 22972),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 84

Candidate Starts for Reindeer_25:

(Start: 84 @21276 has 1 MA's), (Start: 86 @21279 has 21 MA's), (131, 21378), (133, 21381), (142, 21399), (147, 21414), (182, 21486), (186, 21495), (230, 21573), (256, 21621), (310, 21711), (312, 21714), (322, 21732), (352, 21783), (379, 21807), (389, 21825), (392, 21831), (460, 21936), (472, 21972), (485, 21993), (532, 22101), (547, 22128), (551, 22140),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 46

Candidate Starts for Rem711_24:

(2, 17356), (10, 17629), (Start: 41 @17917 has 6 MA's), (Start: 46 @17926 has 1 MA's), (66, 17965), (189, 18217), (238, 18337), (311, 18451), (321, 18469), (337, 18499), (342, 18511), (433, 18691), (444, 18718), (554, 19018),

Gene: Remus_29 Start: 18083, Stop: 19060, Start Num: 96

Candidate Starts for Remus_29:

(Start: 96 @18083 has 22 MA's), (147, 18197), (150, 18203), (151, 18206), (269, 18440), (406, 18707), (442, 18761), (504, 18917),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Remy19_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Renaissance_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 25

Candidate Starts for Reptar3000_23:

(Start: 25 @17233 has 231 MA's), (31, 17251), (Start: 45 @17323 has 1 MA's), (57, 17353), (116, 17443), (120, 17452), (130, 17485), (142, 17509), (187, 17614), (264, 17767), (312, 17836), (316, 17842), (398, 17995), (423, 18013), (441, 18043), (455, 18085), (456, 18088), (540, 18295), (552, 18334), (555, 18352),

Gene: Retro23_27 Start: 19253, Stop: 20269, Start Num: 92

Candidate Starts for Retro23_27:

(Start: 92 @19253 has 316 MA's), (129, 19328), (138, 19346), (151, 19382), (163, 19421), (287, 19628), (310, 19667), (312, 19670), (426, 19937), (465, 20039), (499, 20114), (504, 20126), (545, 20216), (547, 20219),

Gene: RexFury_22 Start: 15511, Stop: 16383, Start Num: 98

Candidate Starts for RexFury_22:

(Start: 98 @15511 has 85 MA's), (116, 15550), (147, 15631), (150, 15637), (Start: 180 @15706 has 1 MA's), (224, 15784), (256, 15844), (312, 15922), (378, 16018), (465, 16147), (471, 16165), (499, 16222), (504, 16234), (518, 16276), (556, 16372),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 86

Candidate Starts for Rey_31:

(Start: 86 @22233 has 21 MA's), (Start: 94 @22242 has 18 MA's), (120, 22296), (133, 22335), (142, 22353), (147, 22368), (Start: 180 @22437 has 1 MA's), (310, 22665), (312, 22668), (389, 22779), (392, 22785), (472, 22926), (491, 22956), (509, 23007), (557, 23130),

Gene: Reyja_18 Start: 14313, Stop: 15155, Start Num: 94

Candidate Starts for Reyja_18:

(7, 13857), (11, 13935), (28, 14133), (69, 14274), (Start: 94 @14313 has 18 MA's), (125, 14382), (136, 14412), (146, 14433), (157, 14466), (179, 14508), (Start: 180 @14511 has 1 MA's), (273, 14652), (312, 14718), (397, 14850), (441, 14925), (464, 14979), (488, 15021), (511, 15087), (526, 15126),

Gene: Rhodalysa_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Rhodalysa_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (239, 15786), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 75

Candidate Starts for Ribeye_34:

(Start: 75 @29836 has 54 MA's), (142, 29977), (147, 29992), (157, 30022), (160, 30034), (168, 30046), (Start: 180 @30061 has 1 MA's), (186, 30073), (203, 30100), (211, 30115), (223, 30142), (279, 30232), (304, 30268), (338, 30328), (361, 30364), (395, 30424), (438, 30514), (468, 30604), (478, 30628), (483, 30640), (509, 30706), (514, 30721), (523, 30745),

Gene: Richarlison_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Richarlison_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 25

Candidate Starts for Richo_22:

(Start: 25 @15375 has 231 MA's), (57, 15495), (116, 15585), (143, 15654), (186, 15753), (187, 15756), (231, 15855), (264, 15909), (317, 15990), (354, 16065), (362, 16080), (427, 16167), (441, 16191), (455, 16233), (456, 16236), (473, 16287), (493, 16326), (526, 16410), (536, 16428), (540, 16443), (552, 16482), (555, 16500),

Gene: Rifter_30 Start: 18949, Stop: 19965, Start Num: 92

Candidate Starts for Rifter_30:

(Start: 92 @18949 has 316 MA's), (105, 18967), (120, 19003), (138, 19042), (182, 19147), (287, 19324), (310, 19363), (312, 19366), (355, 19453), (357, 19474), (445, 19672), (504, 19822), (507, 19831), (545, 19912),

Gene: RiverRaider_34 Start: 28121, Stop: 29080, Start Num: 75

Candidate Starts for RiverRaider_34:

(Start: 75 @28121 has 54 MA's), (142, 28265), (147, 28280), (157, 28310), (160, 28322), (Start: 180 @28349 has 1 MA's), (186, 28361), (189, 28370), (223, 28430), (279, 28520), (304, 28556), (331, 28604), (338, 28616), (351, 28640), (354, 28646), (395, 28712), (438, 28802), (468, 28892), (478, 28916), (483, 28928), (488, 28934), (496, 28958), (532, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 59

Candidate Starts for RoadKill_29:

(Start: 59 @26072 has 25 MA's), (73, 26084), (93, 26111), (118, 26159), (138, 26213), (168, 26291), (221, 26387), (244, 26420), (263, 26459), (343, 26588), (366, 26621), (386, 26657), (468, 26843), (483, 26873), (496, 26900), (509, 26936), (521, 26969), (544, 27017), (551, 27038),

Gene: Roary_23 Start: 17600, Stop: 18622, Start Num: 98

Candidate Starts for Roary_23:

(Start: 98 @17600 has 85 MA's), (147, 17723), (150, 17729), (182, 17801), (239, 17906), (254, 17933), (312, 18023), (394, 18224), (404, 18254), (406, 18257), (499, 18467), (513, 18506), (540, 18554), (545, 18569),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 75

Candidate Starts for Rofo_34:

(Start: 75 @29848 has 54 MA's), (157, 30034), (160, 30046), (Start: 180 @30073 has 1 MA's), (189, 30094), (223, 30154), (277, 30241), (279, 30244), (304, 30280), (325, 30313), (331, 30328), (338, 30340), (354, 30370), (361, 30376), (395, 30436), (438, 30526), (468, 30616), (478, 30640), (483, 30652), (509, 30718), (523, 30757), (532, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 79

Candidate Starts for RogerDodger_33:

(Start: 79 @25794 has 33 MA's), (129, 25890), (155, 25959), (157, 25965), (168, 25989), (Start: 180 @26004 has 1 MA's), (304, 26214), (353, 26292), (384, 26337), (395, 26361), (416, 26400), (454, 26496), (468, 26538), (483, 26574), (512, 26649), (519, 26670), (543, 26721),

Gene: Roksolana_30 Start: 18977, Stop: 19993, Start Num: 92

Candidate Starts for Roksolana_30:

(Start: 92 @18977 has 316 MA's), (105, 18995), (120, 19031), (138, 19070), (182, 19175), (287, 19352), (310, 19391), (312, 19394), (355, 19481), (357, 19502), (406, 19628), (445, 19700), (504, 19850), (507, 19859), (545, 19940),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 83

Candidate Starts for RonRayGun_18:

(Start: 83 @16018 has 11 MA's), (103, 16045), (111, 16063), (188, 16240), (189, 16243), (224, 16318), (260, 16384), (275, 16411), (310, 16468), (316, 16477), (466, 16714), (474, 16738), (517, 16837), (525, 16858), (536, 16879), (548, 16918), (551, 16927),

Gene: Rosalind_29 Start: 18241, Stop: 19218, Start Num: 96

Candidate Starts for Rosalind_29:

(Start: 96 @18241 has 22 MA's), (147, 18355), (150, 18361), (151, 18364), (269, 18598), (406, 18865), (442, 18919), (504, 19075),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 92

Candidate Starts for Rose5_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: RoseMarie_27 Start: 21674, Stop: 22585, Start Num: 86

Candidate Starts for RoseMarie_27:

(Start: 86 @21674 has 21 MA's), (133, 21776), (142, 21794), (147, 21809), (186, 21890), (230, 21968), (256, 22016), (310, 22106), (312, 22109), (322, 22127), (352, 22178), (392, 22226), (454, 22313),

(465, 22346), (492, 22400), (532, 22496), (547, 22523), (551, 22535),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 25

Candidate Starts for Rosmarinus_22:

(Start: 25 @16039 has 231 MA's), (57, 16156), (116, 16246), (124, 16267), (130, 16288), (143, 16315), (264, 16570), (317, 16651), (354, 16726), (362, 16741), (441, 16852), (455, 16894), (493, 16987), (501, 17011), (540, 17104), (552, 17143), (555, 17161),

Gene: Rossetti_17 Start: 16094, Stop: 17008, Start Num: 92

Candidate Starts for Rossetti_17:

(Start: 92 @16094 has 316 MA's), (107, 16118), (120, 16148), (151, 16229), (170, 16274), (309, 16499), (310, 16502), (312, 16505), (377, 16592), (389, 16616), (392, 16622), (394, 16628), (450, 16691), (454, 16709), (460, 16727), (461, 16730), (485, 16784), (492, 16796), (514, 16859), (529, 16886), (551, 16949), (558, 16988), (560, 17000),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 92

Candidate Starts for Rumpelstiltskin_17:

(Start: 92 @16080 has 316 MA's), (107, 16104), (120, 16134), (170, 16260), (216, 16332), (309, 16485), (310, 16488), (312, 16491), (328, 16521), (377, 16578), (389, 16602), (392, 16608), (450, 16677), (454, 16695), (461, 16716), (492, 16782), (514, 16845), (558, 16974), (560, 16986),

Gene: Ruriko_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Ruriko_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 25

Candidate Starts for Ruthiejr_22:

(Start: 25 @17121 has 231 MA's), (Start: 45 @17211 has 1 MA's), (57, 17241), (116, 17331), (130, 17373), (131, 17376), (137, 17388), (312, 17724), (316, 17730), (353, 17805), (398, 17883), (422, 17898), (441, 17931), (455, 17973), (456, 17976), (494, 18069), (540, 18183), (552, 18222), (555, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 53

Candidate Starts for Ruthy_18:

(Start: 53 @15266 has 20 MA's), (114, 15359), (130, 15401), (151, 15449), (187, 15527), (221, 15617), (232, 15641), (233, 15647), (279, 15719), (284, 15728), (286, 15731), (292, 15740), (319, 15782), (377, 15881), (408, 15950), (493, 16145), (525, 16223), (540, 16259), (551, 16295), (552, 16298),

Gene: RyeScarlet_29 Start: 20531, Stop: 21544, Start Num: 92

Candidate Starts for RyeScarlet_29:

(Start: 92 @20531 has 316 MA's), (105, 20549), (129, 20606), (138, 20624), (151, 20660), (239, 20840), (260, 20876), (287, 20906), (312, 20948), (380, 21107), (445, 21251), (465, 21314), (499, 21389), (504, 21401), (512, 21425),

Gene: Sachima_26 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for Sachima_26:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499, 21385), (504, 21397), (512, 21421),

Gene: Saintus_23 Start: 17615, Stop: 18637, Start Num: 98

Candidate Starts for Saintus_23:

(Start: 98 @17615 has 85 MA's), (147, 17738), (150, 17744), (182, 17816), (239, 17921), (254, 17948), (312, 18038), (394, 18239), (404, 18269), (406, 18272), (499, 18482), (513, 18521), (540, 18569), (545, 18584),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 79

Candidate Starts for Salvador_30:

(Start: 79 @24918 has 33 MA's), (129, 25023), (155, 25092), (157, 25098), (168, 25122), (Start: 180 @25137 has 1 MA's), (395, 25497), (399, 25512), (412, 25530), (454, 25632), (468, 25674), (483, 25710), (512, 25785), (519, 25806), (543, 25857),

Gene: Salvus_21 Start: 15192, Stop: 16304, Start Num: 30

Candidate Starts for Salvus_21:

(Start: 30 @15192 has 4 MA's), (Start: 36 @15240 has 1 MA's), (99, 15348), (104, 15357), (131, 15426), (144, 15453), (205, 15600), (266, 15708), (316, 15783), (320, 15792), (338, 15828), (379, 15897), (398, 15939), (441, 15984), (446, 15993), (464, 16050), (488, 16101), (511, 16161), (550, 16266),

Gene: Salz_27 Start: 19727, Stop: 20749, Start Num: 92

Candidate Starts for Salz_27:

(Start: 92 @19727 has 316 MA's), (120, 19784), (147, 19859), (212, 19988), (239, 20048), (279, 20108), (287, 20114), (312, 20156), (334, 20201), (338, 20207), (368, 20291), (383, 20324), (504, 20606), (507, 20615), (512, 20630), (545, 20696),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 25

Candidate Starts for SamScheppers_21:

(Start: 25 @17028 has 231 MA's), (31, 17046), (Start: 45 @17118 has 1 MA's), (57, 17148), (116, 17238), (130, 17280), (142, 17304), (187, 17409), (264, 17562), (312, 17631), (316, 17637), (398, 17790), (423, 17808), (441, 17838), (455, 17880), (456, 17883), (536, 18075), (540, 18090), (552, 18129), (555, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 65

Candidate Starts for Samba_18:

(Start: 65 @15871 has 14 MA's), (147, 16027), (184, 16108), (219, 16165), (222, 16174), (243, 16207), (317, 16315), (371, 16399), (423, 16465), (427, 16471), (492, 16600), (510, 16642),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 59

Candidate Starts for Sampson_34:

(Start: 59 @29722 has 25 MA's), (112, 29797), (118, 29809), (129, 29845), (145, 29881), (191, 29983), (221, 30037), (263, 30109), (308, 30172), (314, 30181), (343, 30238), (366, 30271), (385, 30304), (386, 30307), (416, 30364), (457, 30460), (468, 30493), (471, 30502), (483, 30523), (496, 30550), (503, 30571), (507, 30580), (509, 30586), (521, 30619), (522, 30622), (546, 30676), (551, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 92

Candidate Starts for Samty_18:

(Start: 92 @16493 has 316 MA's), (107, 16517), (125, 16562), (129, 16577), (139, 16598), (182, 16694), (260, 16829), (263, 16838), (310, 16898), (312, 16901), (316, 16907), (368, 16979), (389, 17012), (450, 17087), (466, 17141), (473, 17162), (499, 17213), (514, 17255), (558, 17366), (559, 17369),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 25

Candidate Starts for SamuelLPlaqson_22:

(Start: 25 @15965 has 231 MA's), (57, 16082), (116, 16172), (124, 16193), (130, 16214), (143, 16241), (231, 16442), (264, 16496), (271, 16502), (317, 16577), (354, 16652), (362, 16667), (455, 16820), (493, 16913), (501, 16937), (540, 17030), (552, 17069), (555, 17087),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 75

Candidate Starts for Sanjuju_32:

(Start: 75 @30017 has 54 MA's), (157, 30203), (160, 30215), (Start: 180 @30242 has 1 MA's), (189, 30263), (223, 30323), (277, 30410), (279, 30413), (304, 30449), (325, 30482), (331, 30497), (338, 30509), (354, 30539), (361, 30545), (395, 30605), (438, 30695), (468, 30785), (478, 30809), (483, 30821), (509, 30887), (532, 30938),

Gene: Santhid_17 Start: 14146, Stop: 14988, Start Num: 94

Candidate Starts for Santhid_17:

(69, 14107), (Start: 94 @14146 has 18 MA's), (125, 14215), (136, 14245), (146, 14266), (157, 14299), (Start: 180 @14344 has 1 MA's), (312, 14551), (397, 14683), (464, 14812), (488, 14854), (509, 14914), (511, 14920), (526, 14959),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 67

Candidate Starts for Sapo_15:

(Start: 67 @13755 has 1 MA's), (99, 13791), (117, 13827), (188, 13995), (189, 13998), (261, 14118), (285, 14148), (317, 14196), (319, 14199), (320, 14202), (332, 14226), (376, 14286), (441, 14373), (517, 14553),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 75

Candidate Starts for Saronaya_33:

(Start: 75 @28679 has 54 MA's), (142, 28820), (157, 28865), (160, 28877), (168, 28889), (Start: 180 @28904 has 1 MA's), (186, 28916), (203, 28943), (211, 28958), (223, 28985), (279, 29075), (304, 29111), (338, 29171), (361, 29207), (395, 29267), (438, 29357), (468, 29447), (478, 29471), (483, 29483), (509, 29549), (514, 29564), (523, 29588), (532, 29600),

Gene: Sarshaun_17 Start: 16107, Stop: 17021, Start Num: 92

Candidate Starts for Sarshaun_17:

(Start: 92 @16107 has 316 MA's), (120, 16161), (170, 16287), (216, 16359), (309, 16512), (310, 16515), (312, 16518), (328, 16548), (377, 16605), (389, 16629), (392, 16635), (450, 16704), (454, 16722), (461, 16743), (485, 16797), (492, 16809), (514, 16872), (558, 17001), (560, 17013),

Gene: Saskia_26 Start: 19730, Stop: 20752, Start Num: 92

Candidate Starts for Saskia_26:

(Start: 92 @19730 has 316 MA's), (120, 19787), (147, 19862), (212, 19991), (239, 20051), (279, 20111), (287, 20117), (312, 20159), (334, 20204), (338, 20210), (368, 20294), (383, 20327), (504, 20609), (507, 20618), (512, 20633), (545, 20699),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 79

Candidate Starts for Savbucketdawg_30:

(Start: 79 @24699 has 33 MA's), (129, 24804), (155, 24873), (157, 24879), (168, 24903), (Start: 180 @24918 has 1 MA's), (395, 25278), (399, 25293), (412, 25311), (454, 25413), (468, 25455), (483, 25491), (519, 25587), (543, 25638),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 25

Candidate Starts for Scarlett_21:

(Start: 25 @15263 has 231 MA's), (57, 15380), (74, 15398), (124, 15491), (143, 15539), (231, 15740), (264, 15794), (296, 15839), (309, 15860), (336, 15914), (353, 15947), (362, 15965), (455, 16118), (456, 16121), (473, 16172), (493, 16211), (540, 16328), (552, 16367), (555, 16385),

Gene: Scherzo_28 Start: 20560, Stop: 21573, Start Num: 92

Candidate Starts for Scherzo_28:

(Start: 92 @20560 has 316 MA's), (105, 20578), (129, 20635), (138, 20653), (151, 20689), (239, 20869), (260, 20905), (287, 20935), (312, 20977), (380, 21136), (445, 21280), (465, 21343), (499, 21418), (504, 21430), (512, 21454),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Schiebel_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 75

Candidate Starts for SchottB_32:

(Start: 75 @29694 has 54 MA's), (157, 29880), (160, 29892), (168, 29904), (Start: 180 @29919 has 1 MA's), (186, 29931), (203, 29958), (211, 29973), (223, 30000), (279, 30090), (304, 30126), (338, 30186), (351, 30210), (361, 30222), (395, 30282), (438, 30372), (478, 30486), (483, 30498), (509, 30564), (514, 30579), (523, 30603), (532, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 59

Candidate Starts for Scioto_34:

(Start: 59 @29777 has 25 MA's), (112, 29852), (118, 29864), (129, 29900), (145, 29936), (191, 30038), (221, 30092), (263, 30164), (308, 30227), (314, 30236), (343, 30293), (366, 30326), (385, 30359), (386, 30362), (416, 30419), (457, 30515), (468, 30548), (471, 30557), (483, 30578), (496, 30605), (503, 30626), (507, 30635), (509, 30641), (521, 30674), (522, 30677), (546, 30731), (551, 30743),

Gene: Scorpia_24 Start: 17939, Stop: 18952, Start Num: 98

Candidate Starts for Scorpia_24:

(Start: 98 @17939 has 85 MA's), (150, 18068), (151, 18071), (163, 18110), (239, 18245), (256, 18275), (279, 18305), (287, 18311), (297, 18329), (312, 18353), (333, 18395), (504, 18809), (545, 18899),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 75

Candidate Starts for Sedona_34:

(Start: 75 @30954 has 54 MA's), (157, 31140), (160, 31152), (Start: 180 @31179 has 1 MA's), (279, 31350), (304, 31386), (325, 31419), (331, 31434), (338, 31446), (354, 31476), (361, 31482), (395, 31542), (438, 31632), (468, 31722), (478, 31746), (483, 31758), (509, 31824), (514, 31839), (523, 31863), (532, 31875),

Gene: SemperFi_29 Start: 19522, Stop: 20538, Start Num: 92

Candidate Starts for SemperFi_29:

(Start: 92 @19522 has 316 MA's), (129, 19597), (138, 19615), (151, 19651), (163, 19690), (287, 19897), (310, 19936), (312, 19939), (426, 20206), (465, 20308), (499, 20383), (504, 20395), (545, 20485),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 92

Candidate Starts for Sephiroth_27:

(Start: 92 @21043 has 316 MA's), (101, 21058), (234, 21349), (297, 21451), (309, 21469), (312, 21475), (389, 21586), (392, 21592), (436, 21640), (464, 21718), (465, 21721), (466, 21724), (491, 21772), (510, 21826), (529, 21868), (548, 21904), (549, 21907), (553, 21922),

Gene: Serenity_26 Start: 18134, Stop: 19144, Start Num: 92

Candidate Starts for Serenity_26:

(Start: 92 @18134 has 316 MA's), (120, 18188), (129, 18209), (138, 18227), (163, 18302), (260, 18479), (287, 18509), (310, 18548), (312, 18551), (334, 18596), (406, 18779), (465, 18914), (499, 18989), (504, 19001),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for SgtBeansprout_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for ShaboiShabazz_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 25

Candidate Starts for Shadow1_20:

(Start: 25 @15075 has 231 MA's), (57, 15195), (116, 15285), (143, 15354), (231, 15555), (317, 15690), (319, 15693), (353, 15762), (362, 15780), (397, 15840), (423, 15861), (441, 15891), (455, 15933), (456, 15936), (457, 15939), (493, 16026), (501, 16050), (536, 16128), (540, 16143), (552, 16182), (555, 16200),

Gene: Sham4_27 Start: 19733, Stop: 20755, Start Num: 92

Candidate Starts for Sham4_27:

(Start: 92 @19733 has 316 MA's), (120, 19790), (147, 19865), (212, 19994), (239, 20054), (279, 20114), (287, 20120), (312, 20162), (334, 20207), (338, 20213), (368, 20297), (383, 20330), (504, 20612), (507, 20621), (512, 20636), (545, 20702),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 25

Candidate Starts for Shaobing_22:

(Start: 25 @15375 has 231 MA's), (57, 15495), (116, 15585), (143, 15654), (186, 15753), (187, 15756), (231, 15855), (264, 15909), (317, 15990), (354, 16065), (362, 16080), (427, 16167), (441, 16191), (455, 16233), (456, 16236), (473, 16287), (493, 16326), (526, 16410), (536, 16428), (540, 16443), (552, 16482), (555, 16500),

Gene: ShayRa_30 Start: 18241, Stop: 19218, Start Num: 96

Candidate Starts for ShayRa_30:

(Start: 96 @18241 has 22 MA's), (147, 18355), (150, 18361), (151, 18364), (269, 18598), (406, 18865), (442, 18919), (504, 19075),

Gene: SheaKeira_27 Start: 18709, Stop: 19731, Start Num: 92

Candidate Starts for SheaKeira_27:

(Start: 92 @18709 has 316 MA's), (105, 18727), (120, 18763), (129, 18784), (138, 18802), (151, 18838), (212, 18958), (239, 19018), (260, 19054), (287, 19084), (312, 19126), (377, 19276), (415, 19372), (418, 19378), (499, 19576), (504, 19588), (507, 19597), (512, 19612), (545, 19678),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 25

Candidate Starts for ShedlockHolmes_21:

(Start: 25 @16440 has 231 MA's), (57, 16563), (104, 16626), (105, 16632), (120, 16662), (176, 16800), (186, 16821), (188, 16827), (214, 16884), (231, 16923), (252, 16953), (309, 17040), (328, 17076),

(423, 17223), (441, 17253), (446, 17262), (455, 17295), (456, 17298), (457, 17301), (493, 17388), (529, 17475), (550, 17538), (552, 17544),

Gene: Sheng711_17 Start: 15761, Stop: 16579, Start Num: 125

Candidate Starts for Sheng711_17:

(Start: 92 @15692 has 316 MA's), (107, 15716), (119, 15743), (120, 15746), (125, 15761), (139, 15794), (182, 15890), (260, 16025), (263, 16034), (310, 16094), (312, 16097), (368, 16175), (379, 16190), (392, 16214), (431, 16247), (450, 16283), (456, 16307), (462, 16325), (465, 16334), (485, 16376), (497, 16403), (514, 16451), (529, 16478), (558, 16562),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for ShiaSurprise_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 79

Candidate Starts for Shinji_30:

(Start: 79 @24894 has 33 MA's), (129, 24999), (155, 25068), (157, 25074), (168, 25098), (Start: 180 @25113 has 1 MA's), (395, 25473), (399, 25488), (412, 25506), (454, 25608), (468, 25650), (483, 25686), (519, 25782), (543, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 75

Candidate Starts for Shivanishola_35:

(Start: 75 @29916 has 54 MA's), (157, 30102), (160, 30114), (Start: 180 @30141 has 1 MA's), (279, 30312), (304, 30348), (325, 30381), (331, 30396), (338, 30408), (354, 30438), (361, 30444), (395, 30504), (438, 30594), (468, 30684), (478, 30708), (483, 30720), (509, 30786), (514, 30801), (523, 30825), (532, 30837),

Gene: Shuman_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Shuman_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (239, 15786), (256, 15813), (312, 15891), (465, 16116), (471, 16134), (504, 16203), (556, 16341),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 92

Candidate Starts for Silverleaf_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 25

Candidate Starts for SirPhilip_21:

(Start: 25 @14868 has 231 MA's), (57, 14985), (124, 15096), (143, 15144), (187, 15246), (188, 15249), (231, 15345), (264, 15399), (309, 15462), (316, 15474), (353, 15549), (362, 15567), (398, 15630), (427, 15654), (443, 15681), (455, 15720), (456, 15723), (493, 15813), (529, 15900), (540, 15930), (548, 15957), (552, 15969), (555, 15987),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 75

Candidate Starts for Sitar_34:

(Start: 75 @31006 has 54 MA's), (157, 31192), (160, 31204), (Start: 180 @31231 has 1 MA's), (189, 31252), (223, 31312), (277, 31399), (279, 31402), (304, 31438), (325, 31471), (331, 31486), (338,

31498), (354, 31528), (361, 31534), (395, 31594), (438, 31684), (468, 31774), (478, 31798), (483, 31810), (509, 31876), (532, 31927), (543, 31957),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 72

Candidate Starts for Sixama_98:

(Start: 72 @58478 has 5 MA's), (82, 58493), (93, 58505), (131, 58601), (133, 58604), (143, 58625), (284, 58883), (305, 58913), (318, 58931), (324, 58940), (422, 59126), (446, 59168), (467, 59240), (468, 59243), (469, 59246), (483, 59273), (493, 59291), (500, 59312), (509, 59336), (527, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 25

Candidate Starts for Sizemore_17:

(4, 15145), (Start: 25 @15478 has 231 MA's), (57, 15598), (74, 15616), (104, 15661), (105, 15667), (129, 15730), (145, 15766), (173, 15835), (176, 15838), (186, 15859), (210, 15913), (231, 15958), (252, 15988), (316, 16090), (322, 16102), (328, 16114), (336, 16132), (423, 16297), (441, 16327), (449, 16345), (455, 16369), (502, 16489), (540, 16579), (550, 16612),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 86

Candidate Starts for Skinny_28:

(Start: 86 @21457 has 21 MA's), (133, 21559), (142, 21577), (147, 21592), (182, 21664), (186, 21673), (230, 21751), (309, 21886), (310, 21889), (312, 21892), (352, 21961), (389, 22003), (392, 22009), (472, 22150), (485, 22171), (492, 22183), (547, 22306), (551, 22318),

Gene: Sknot_27 Start: 19201, Stop: 20217, Start Num: 92

Candidate Starts for Sknot_27:

(Start: 92 @19201 has 316 MA's), (129, 19276), (138, 19294), (151, 19330), (163, 19369), (260, 19546), (287, 19576), (310, 19615), (312, 19618), (504, 20074), (512, 20098),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 25

Candidate Starts for Slarp_23:

(Start: 25 @17500 has 231 MA's), (31, 17518), (Start: 45 @17590 has 1 MA's), (57, 17620), (116, 17710), (130, 17752), (142, 17776), (187, 17881), (264, 18034), (312, 18103), (316, 18109), (398, 18262), (423, 18280), (441, 18310), (455, 18352), (456, 18355), (540, 18562), (552, 18601), (555, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 47

Candidate Starts for Sleepyhead_17:

(18, 14705), (19, 14714), (Start: 47 @14846 has 1 MA's), (Start: 85 @14897 has 1 MA's), (Start: 90 @14903 has 26 MA's), (97, 14912), (123, 14972), (299, 15296), (307, 15308), (316, 15320), (319, 15326), (335, 15359), (346, 15380), (392, 15428), (441, 15494), (443, 15497), (446, 15503), (477, 15581), (487, 15596), (531, 15689),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 86

Candidate Starts for SlimJimmy_26:

(Start: 86 @21443 has 21 MA's), (133, 21545), (142, 21563), (147, 21578), (182, 21650), (186, 21659), (230, 21737), (309, 21872), (310, 21875), (312, 21878), (352, 21947), (389, 21989), (392, 21995), (472, 22136), (485, 22157), (492, 22169), (547, 22292), (551, 22304),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 25

Candidate Starts for Slimphazie_22:

(Start: 25 @16018 has 231 MA's), (57, 16135), (116, 16225), (124, 16246), (130, 16267), (143, 16294), (264, 16549), (317, 16630), (354, 16705), (362, 16720), (441, 16831), (455, 16873), (493, 16966), (501, 16990), (540, 17083), (552, 17122), (555, 17140),

Gene: Smeadley_23 Start: 17633, Stop: 18655, Start Num: 98

Candidate Starts for Smeadley_23:

(Start: 98 @17633 has 85 MA's), (147, 17756), (150, 17762), (182, 17834), (239, 17939), (254, 17966), (312, 18056), (394, 18257), (404, 18287), (406, 18290), (499, 18500), (513, 18539), (540, 18587), (545, 18602),

Gene: Smeagan_29 Start: 19679, Stop: 20695, Start Num: 92

Candidate Starts for Smeagan_29:

(Start: 92 @19679 has 316 MA's), (129, 19754), (138, 19772), (151, 19808), (163, 19847), (287, 20054), (310, 20093), (312, 20096), (355, 20183), (426, 20363), (465, 20465), (499, 20540), (504, 20552),

Gene: SmellyB_30 Start: 18966, Stop: 19979, Start Num: 92

Candidate Starts for SmellyB_30:

(Start: 92 @18966 has 316 MA's), (120, 19020), (138, 19059), (182, 19164), (260, 19311), (287, 19341), (310, 19380), (312, 19383), (334, 19428), (357, 19488), (445, 19686), (504, 19836), (507, 19845),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 79

Candidate Starts for SmokingBunny_30:

(Start: 79 @24909 has 33 MA's), (129, 25014), (155, 25083), (157, 25089), (168, 25113), (Start: 180 @25128 has 1 MA's), (395, 25488), (399, 25503), (412, 25521), (454, 25623), (468, 25665), (483, 25701), (519, 25797), (543, 25848),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 60

Candidate Starts for Smoothie_48:

(Start: 60 @28706 has 10 MA's), (Start: 64 @28712 has 12 MA's), (102, 28760), (116, 28787), (144, 28859), (169, 28925), (186, 28955), (251, 29063), (316, 29156), (329, 29180), (335, 29195), (398, 29291), (441, 29339), (515, 29519), (532, 29555),

Gene: SnapTap_27 Start: 19105, Stop: 20121, Start Num: 92

Candidate Starts for SnapTap_27:

(Start: 92 @19105 has 316 MA's), (129, 19180), (138, 19198), (151, 19234), (163, 19273), (287, 19480), (310, 19519), (312, 19522), (426, 19789), (465, 19891), (499, 19966), (504, 19978), (545, 20068),

Gene: Snape_27 Start: 19733, Stop: 20755, Start Num: 92

Candidate Starts for Snape_27:

(Start: 92 @19733 has 316 MA's), (120, 19790), (147, 19865), (212, 19994), (239, 20054), (279, 20114), (287, 20120), (312, 20162), (334, 20207), (338, 20213), (368, 20297), (383, 20330), (504, 20612), (507, 20621), (512, 20636), (545, 20702),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 25

Candidate Starts for Sneeze_17:

(3, 15082), (4, 15142), (Start: 25 @15478 has 231 MA's), (57, 15604), (74, 15622), (104, 15667), (105, 15673), (129, 15736), (145, 15772), (173, 15841), (176, 15844), (186, 15865), (210, 15919), (252, 15994), (316, 16096), (322, 16108), (423, 16303), (441, 16333), (449, 16351), (455, 16375), (496, 16477), (502, 16495), (540, 16585), (550, 16618),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 92

Candidate Starts for Snenia_18:

(Start: 92 @16491 has 316 MA's), (107, 16515), (125, 16560), (129, 16575), (139, 16596), (182, 16692), (260, 16827), (263, 16836), (310, 16896), (312, 16899), (316, 16905), (368, 16977), (389,

17010), (394, 17022), (450, 17085), (466, 17139), (473, 17160), (499, 17211), (514, 17253), (558, 17364), (559, 17367),

Gene: SoJulia_17 Start: 16073, Stop: 16987, Start Num: 92

Candidate Starts for SoJulia_17:

(Start: 92 @16073 has 316 MA's), (107, 16097), (120, 16127), (170, 16253), (216, 16325), (309, 16478), (310, 16481), (312, 16484), (328, 16514), (377, 16571), (389, 16595), (392, 16601), (450, 16670), (454, 16688), (461, 16709), (492, 16775), (514, 16838), (558, 16967), (560, 16979),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 29

Candidate Starts for SoSeph_20:

(Start: 29 @16471 has 23 MA's), (104, 16645), (129, 16711), (130, 16714), (143, 16741), (186, 16840), (231, 16942), (264, 16996), (287, 17026), (309, 17062), (310, 17065), (316, 17074), (353, 17149), (354, 17152), (379, 17188), (398, 17230), (423, 17248), (427, 17254), (441, 17278), (443, 17281), (446, 17287), (455, 17320), (540, 17530), (552, 17569), (555, 17587),

Gene: Soap141_17 Start: 16107, Stop: 17021, Start Num: 92

Candidate Starts for Soap141_17:

(Start: 92 @16107 has 316 MA's), (120, 16161), (170, 16287), (216, 16359), (309, 16512), (310, 16515), (312, 16518), (328, 16548), (377, 16605), (389, 16629), (392, 16635), (450, 16704), (454, 16722), (461, 16743), (485, 16797), (492, 16809), (514, 16872), (558, 17001), (560, 17013),

Gene: SororFago_26 Start: 18177, Stop: 19199, Start Num: 92

Candidate Starts for SororFago_26:

(Start: 92 @18177 has 316 MA's), (105, 18195), (120, 18231), (129, 18252), (138, 18270), (188, 18390), (260, 18522), (287, 18552), (310, 18591), (312, 18594), (398, 18804), (415, 18840), (445, 18906), (504, 19056), (512, 19080),

Gene: Soups_29 Start: 18241, Stop: 19218, Start Num: 96

Candidate Starts for Soups_29:

(Start: 96 @18241 has 22 MA's), (147, 18355), (150, 18361), (151, 18364), (269, 18598), (406, 18865), (442, 18919), (504, 19075),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 70

Candidate Starts for Sparky_15:

(Start: 70 @15127 has 2 MA's), (74, 15136), (Start: 95 @15166 has 2 MA's), (126, 15235), (132, 15256), (186, 15376), (189, 15385), (224, 15472), (260, 15538), (312, 15625), (316, 15631), (377, 15715), (389, 15739), (391, 15742), (499, 15940), (504, 15952), (517, 15991), (536, 16018), (540, 16033), (560, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 60

Candidate Starts for SpeedDemon_310:

(Start: 60 @28038 has 10 MA's), (Start: 83 @28059 has 11 MA's), (116, 28113), (144, 28185), (147, 28194), (210, 28314), (235, 28365), (243, 28374), (264, 28410), (316, 28482), (319, 28488), (398, 28617), (441, 28665), (468, 28740), (492, 28788),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Spock_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Spouty_28 Start: 20557, Stop: 21570, Start Num: 92

Candidate Starts for Spouty_28:

(Start: 92 @20557 has 316 MA's), (105, 20575), (129, 20632), (138, 20650), (151, 20686), (239, 20866), (260, 20902), (287, 20932), (312, 20974), (380, 21133), (445, 21277), (465, 21340), (499, 21415), (504, 21427), (512, 21451),

Gene: Sprinklemunch_17 Start: 15003, Stop: 16091, Start Num: 44

Candidate Starts for Sprinklemunch_17:

(44, 15003), (Start: 53 @15030 has 20 MA's), (114, 15123), (130, 15165), (151, 15213), (221, 15381), (232, 15405), (233, 15411), (279, 15483), (284, 15492), (286, 15495), (377, 15645), (390, 15672), (408, 15714), (437, 15762), (494, 15912), (511, 15954), (525, 15987), (539, 16017), (540, 16023), (551, 16059), (552, 16062),

Gene: StCroix_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for StCroix_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: StarStuff_30 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for StarStuff_30:

(Start: 92 @19042 has 316 MA's), (120, 19096), (129, 19117), (138, 19135), (219, 19306), (256, 19381), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 25

Candidate Starts for Stargaze_17:

(Start: 25 @15800 has 231 MA's), (74, 15944), (105, 15995), (130, 16061), (131, 16064), (173, 16163), (176, 16166), (187, 16190), (205, 16235), (210, 16241), (322, 16430), (351, 16490), (409, 16598), (417, 16610), (441, 16655), (455, 16697), (525, 16871), (526, 16874), (536, 16892), (548, 16934), (550, 16940),

Gene: Steamy_28 Start: 20226, Stop: 21242, Start Num: 92

Candidate Starts for Steamy_28:

(Start: 92 @20226 has 316 MA's), (129, 20301), (138, 20319), (151, 20355), (163, 20394), (182, 20424), (287, 20601), (312, 20643), (355, 20730), (459, 20997), (504, 21099),

Gene: Stellammi_15 Start: 12876, Stop: 13808, Start Num: 130

Candidate Starts for Stellammi_15:

(43, 12708), (48, 12723), (114, 12831), (120, 12843), (129, 12873), (130, 12876), (142, 12900), (143, 12903), (151, 12924), (152, 12927), (184, 12996), (186, 13002), (214, 13080), (216, 13083), (246, 13137), (261, 13167), (271, 13179), (309, 13239), (316, 13251), (320, 13260), (355, 13332), (357, 13353), (358, 13356), (365, 13377), (366, 13383), (392, 13428), (449, 13503), (455, 13527), (456, 13530), (457, 13533), (466, 13560), (486, 13602), (488, 13605), (493, 13620), (497, 13632), (498, 13635), (509, 13659), (511, 13665), (536, 13722), (539, 13731), (540, 13737), (551, 13773), (555, 13794),

Gene: Stephig9_23 Start: 17614, Stop: 18636, Start Num: 98

Candidate Starts for Stephig9_23:

(Start: 98 @17614 has 85 MA's), (147, 17737), (150, 17743), (182, 17815), (239, 17920), (256, 17950), (312, 18037), (364, 18157), (394, 18238), (404, 18268), (406, 18271), (459, 18391), (499, 18481), (513, 18520), (540, 18568), (545, 18583),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 25

Candidate Starts for Stinson_22:

(Start: 25 @15984 has 231 MA's), (57, 16101), (124, 16212), (130, 16233), (143, 16260), (187, 16362), (264, 16515), (317, 16596), (354, 16671), (362, 16686), (441, 16797), (455, 16839), (493, 16932), (501, 16956), (540, 17049), (552, 17088), (555, 17106),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 75

Candidate Starts for StorminNorm_33:

(Start: 75 @28561 has 54 MA's), (157, 28747), (160, 28759), (168, 28771), (Start: 180 @28786 has 1 MA's), (186, 28798), (203, 28825), (211, 28840), (223, 28867), (279, 28957), (304, 28993), (338, 29053), (351, 29077), (361, 29089), (395, 29149), (438, 29239), (478, 29353), (483, 29365), (509, 29431), (514, 29446), (523, 29470), (532, 29482),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 27

Candidate Starts for Strobilo_18:

(Start: 27 @13892 has 11 MA's), (31, 13901), (57, 14003), (116, 14093), (130, 14135), (131, 14138), (143, 14162), (186, 14261), (214, 14324), (231, 14363), (264, 14417), (309, 14483), (316, 14495), (340, 14546), (353, 14570), (398, 14648), (423, 14666), (441, 14696), (446, 14705), (455, 14738), (456, 14741), (501, 14855), (536, 14933), (540, 14948), (552, 14987), (555, 15005),

Gene: Strosahl_29 Start: 18083, Stop: 19060, Start Num: 96

Candidate Starts for Strosahl_29:

(Start: 96 @18083 has 22 MA's), (147, 18197), (150, 18203), (151, 18206), (269, 18440), (406, 18707), (442, 18761), (504, 18917),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 75

Candidate Starts for Stultus_32:

(Start: 75 @28933 has 54 MA's), (157, 29119), (160, 29131), (Start: 180 @29158 has 1 MA's), (189, 29179), (223, 29239), (277, 29326), (279, 29329), (304, 29365), (325, 29398), (331, 29413), (338, 29425), (354, 29455), (361, 29461), (395, 29521), (438, 29611), (468, 29701), (478, 29725), (483, 29737), (509, 29803), (523, 29842), (532, 29854), (543, 29884),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 25

Candidate Starts for Sulley_22:

(Start: 25 @15984 has 231 MA's), (57, 16101), (116, 16191), (124, 16212), (130, 16233), (143, 16260), (264, 16515), (317, 16596), (354, 16671), (362, 16686), (441, 16797), (455, 16839), (493, 16932), (501, 16956), (540, 17049), (552, 17088), (555, 17106),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 25

Candidate Starts for Sunflower1121_20:

(Start: 25 @15087 has 231 MA's), (57, 15207), (116, 15297), (143, 15366), (231, 15567), (317, 15702), (319, 15705), (353, 15774), (362, 15792), (397, 15852), (423, 15873), (441, 15903), (455, 15945), (456, 15948), (457, 15951), (493, 16038), (501, 16062), (536, 16140), (540, 16155), (552, 16194), (555, 16212),

Gene: Sunhee_25 Start: 18210, Stop: 19235, Start Num: 89

Candidate Starts for Sunhee_25:

(Start: 89 @18210 has 7 MA's), (138, 18306), (151, 18342), (152, 18345), (239, 18522), (260, 18558), (287, 18588), (312, 18630), (334, 18675), (357, 18735), (415, 18876), (418, 18882), (504, 19092), (512, 19116), (545, 19182),

Gene: SuperAwesome_30 Start: 18959, Stop: 19972, Start Num: 92

Candidate Starts for SuperAwesome_30:

(Start: 92 @18959 has 316 MA's), (120, 19013), (138, 19052), (182, 19157), (260, 19304), (287, 19334), (310, 19373), (312, 19376), (334, 19421), (357, 19481), (445, 19679), (504, 19829), (507, 19838),

Gene: SuperCallie99_30 Start: 18958, Stop: 19971, Start Num: 92

Candidate Starts for SuperCallie99_30:

(Start: 92 @18958 has 316 MA's), (120, 19012), (138, 19051), (182, 19156), (260, 19303), (287, 19333), (310, 19372), (312, 19375), (334, 19420), (357, 19480), (445, 19678), (504, 19828), (507, 19837),

Gene: Superchunk_26 Start: 17822, Stop: 18838, Start Num: 92

Candidate Starts for Superchunk_26:

(Start: 92 @17822 has 316 MA's), (135, 17915), (141, 17930), (151, 17957), (287, 18203), (310, 18242), (312, 18245), (334, 18290), (368, 18380), (406, 18473), (426, 18506), (465, 18608), (491, 18659), (499, 18683), (504, 18695), (512, 18719), (545, 18785),

Gene: Swann_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for Swann_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: SweetiePie_27 Start: 19105, Stop: 20121, Start Num: 92

Candidate Starts for SweetiePie_27:

(Start: 92 @19105 has 316 MA's), (129, 19180), (138, 19198), (151, 19234), (163, 19273), (287, 19480), (310, 19519), (312, 19522), (426, 19789), (465, 19891), (499, 19966), (504, 19978), (545, 20068),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 25

Candidate Starts for Sweets_17:

(4, 15139), (Start: 25 @15472 has 231 MA's), (57, 15592), (74, 15610), (104, 15655), (105, 15661), (129, 15724), (145, 15760), (173, 15829), (176, 15832), (186, 15853), (210, 15907), (231, 15952), (252, 15982), (316, 16084), (322, 16096), (328, 16108), (336, 16126), (423, 16291), (441, 16321), (449, 16339), (455, 16363), (502, 16483), (540, 16573), (550, 16606),

Gene: SwirlSquare_28 Start: 17991, Stop: 19001, Start Num: 92

Candidate Starts for SwirlSquare_28:

(Start: 92 @17991 has 316 MA's), (129, 18066), (138, 18084), (287, 18366), (310, 18405), (312, 18408), (368, 18543), (406, 18636), (499, 18846), (504, 18858), (512, 18882), (545, 18948),

Gene: Swirley_23 Start: 18624, Stop: 19637, Start Num: 98

Candidate Starts for Swirley_23:

(Start: 98 @18624 has 85 MA's), (138, 18720), (150, 18753), (151, 18756), (163, 18795), (239, 18930), (279, 18990), (287, 18996), (297, 19014), (312, 19038), (333, 19080), (459, 19392), (504, 19494), (545, 19584),

Gene: Switzerland_29 Start: 18234, Stop: 19211, Start Num: 96

Candidate Starts for Switzerland_29:

(Start: 96 @18234 has 22 MA's), (147, 18348), (150, 18354), (151, 18357), (269, 18591), (406, 18858), (442, 18912), (504, 19068),

Gene: SydNat_23 Start: 18826, Stop: 19839, Start Num: 98

Candidate Starts for SydNat_23:

(Start: 98 @18826 has 85 MA's), (138, 18922), (150, 18955), (151, 18958), (163, 18997), (189, 19045), (287, 19198), (297, 19216), (312, 19240), (333, 19282), (459, 19594), (504, 19696), (513, 19723),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 92

Candidate Starts for Syleon_27:

(Start: 92 @20965 has 316 MA's), (101, 20980), (234, 21271), (297, 21373), (309, 21391), (312, 21397), (389, 21508), (392, 21514), (436, 21562), (464, 21640), (465, 21643), (466, 21646), (491, 21694), (510, 21748), (529, 21790), (548, 21826), (549, 21829), (553, 21844),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 25

Candidate Starts for Syra333_21:

(Start: 25 @15182 has 231 MA's), (57, 15302), (116, 15392), (143, 15461), (231, 15662), (264, 15716), (353, 15869), (362, 15887), (423, 15968), (446, 16007), (455, 16040), (493, 16133), (501, 16157), (536, 16235), (540, 16250), (552, 16289), (555, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 25

Candidate Starts for TBond007_21:

(Start: 25 @16221 has 231 MA's), (57, 16344), (104, 16407), (105, 16413), (120, 16443), (130, 16476), (176, 16581), (186, 16602), (188, 16608), (214, 16665), (252, 16734), (309, 16821), (328, 16857), (423, 17004), (441, 17034), (446, 17043), (455, 17076), (456, 17079), (457, 17082), (493, 17169), (529, 17256), (550, 17319), (552, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 25

Candidate Starts for TClif_21:

(Start: 25 @15218 has 231 MA's), (57, 15335), (104, 15398), (143, 15494), (186, 15593), (187, 15596), (231, 15695), (353, 15902), (354, 15905), (398, 15983), (455, 16073), (457, 16079), (493, 16166), (540, 16283), (548, 16310), (552, 16322), (555, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 27

Candidate Starts for TM4_18:

(Start: 27 @13970 has 11 MA's), (31, 13979), (57, 14081), (116, 14171), (130, 14213), (131, 14216), (143, 14240), (186, 14339), (214, 14402), (231, 14441), (264, 14495), (309, 14561), (316, 14573), (340, 14624), (353, 14648), (398, 14726), (423, 14744), (441, 14774), (455, 14816), (456, 14819), (501, 14933), (536, 15011), (540, 15026), (552, 15065), (555, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 36

Candidate Starts for TPA4_18:

(5, 16287), (Start: 36 @16629 has 1 MA's), (74, 16710), (104, 16755), (199, 16986), (264, 17121), (312, 17193), (316, 17199), (334, 17238), (441, 17400), (453, 17433), (486, 17511), (536, 17637), (550, 17685), (552, 17691),

Gene: TWAMP_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for TWAMP_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (239, 15786), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 25

Candidate Starts for Tachez_22:

(Start: 25 @15980 has 231 MA's), (57, 16097), (116, 16187), (124, 16208), (130, 16229), (143, 16256), (264, 16511), (317, 16592), (354, 16667), (362, 16682), (441, 16793), (455, 16835), (493, 16928), (501, 16952), (540, 17045), (552, 17084), (555, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 25

Candidate Starts for Taheera_17:

(3, 15095), (4, 15155), (Start: 25 @15491 has 231 MA's), (57, 15614), (74, 15632), (104, 15677), (105, 15683), (129, 15746), (145, 15782), (173, 15851), (176, 15854), (186, 15875), (210, 15929), (252, 16004), (316, 16106), (322, 16118), (423, 16313), (441, 16343), (449, 16361), (455, 16385), (496, 16487), (502, 16505), (540, 16595), (550, 16628),

Gene: Tailonex_23 Start: 19675, Stop: 20532, Start Num: 98

Candidate Starts for Tailonex_23:

(Start: 98 @19675 has 85 MA's), (103, 19684), (118, 19717), (129, 19753), (312, 20083), (335, 20125), (349, 20140), (460, 20290), (472, 20326), (473, 20329), (491, 20356), (504, 20392),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 25

Candidate Starts for TaiwanKao_23:

(Start: 25 @15991 has 231 MA's), (57, 16108), (116, 16198), (124, 16219), (130, 16240), (143, 16267), (264, 16522), (317, 16603), (354, 16678), (362, 16693), (441, 16804), (455, 16846), (493, 16939), (497, 16951), (501, 16963), (540, 17056), (552, 17095), (555, 17113),

Gene: Takoda_22 Start: 15440, Stop: 16312, Start Num: 98

Candidate Starts for Takoda_22:

(Start: 98 @15440 has 85 MA's), (116, 15479), (150, 15566), (Start: 180 @15635 has 1 MA's), (224, 15713), (312, 15851), (378, 15947), (465, 16076), (471, 16094), (504, 16163), (556, 16301),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 75

Candidate Starts for Tangent_34:

(Start: 75 @29370 has 54 MA's), (157, 29556), (160, 29568), (Start: 180 @29595 has 1 MA's), (189, 29616), (223, 29676), (277, 29763), (279, 29766), (304, 29802), (325, 29835), (331, 29850), (338, 29862), (354, 29892), (361, 29898), (395, 29958), (438, 30048), (468, 30138), (478, 30162), (483, 30174), (509, 30240), (523, 30279), (532, 30291), (543, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 75

Candidate Starts for Tangerine_33:

(Start: 75 @28564 has 54 MA's), (142, 28705), (157, 28750), (160, 28762), (168, 28774), (Start: 180 @28789 has 1 MA's), (186, 28801), (203, 28828), (211, 28843), (223, 28870), (279, 28960), (304, 28996), (338, 29056), (361, 29092), (395, 29152), (438, 29242), (468, 29332), (478, 29356), (483, 29368), (509, 29434), (514, 29449), (523, 29473), (532, 29485),

Gene: Taotie_16 Start: 17535, Stop: 18416, Start Num: 87

Candidate Starts for Taotie_16:

(Start: 87 @17535 has 2 MA's), (221, 17826), (228, 17838), (239, 17862), (298, 17946), (316, 17973), (328, 17997), (347, 18021), (368, 18042), (379, 18060), (394, 18090), (462, 18177), (471, 18204), (523, 18324), (532, 18339), (551, 18378),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 25

Candidate Starts for Taquito_21:

(Start: 25 @17109 has 231 MA's), (31, 17127), (Start: 45 @17199 has 1 MA's), (57, 17229), (116, 17319), (130, 17361), (142, 17385), (187, 17490), (264, 17643), (312, 17712), (316, 17718), (398, 17871), (423, 17889), (441, 17919), (455, 17961), (456, 17964), (536, 18156), (540, 18171), (552, 18210), (555, 18228),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 59

Candidate Starts for Tardus_35:

(Start: 59 @29129 has 25 MA's), (106, 29201), (118, 29225), (129, 29261), (145, 29297), (221, 29453), (263, 29525), (308, 29588), (314, 29597), (343, 29654), (366, 29687), (385, 29720), (386, 29723), (457, 29876), (468, 29909), (471, 29918), (483, 29939), (496, 29966), (503, 29987), (507, 29996), (509, 30002), (521, 30035), (522, 30038), (546, 30092), (551, 30104),

Gene: TarsusIV_27 Start: 19201, Stop: 20211, Start Num: 92

Candidate Starts for TarsusIV_27:

(Start: 92 @19201 has 316 MA's), (129, 19276), (138, 19294), (151, 19330), (163, 19369), (239, 19510), (287, 19576), (310, 19615), (312, 19618), (406, 19846), (465, 19981), (504, 20068), (512, 20092),

Gene: Tarynearal_22 Start: 18646, Stop: 19659, Start Num: 98

Candidate Starts for Tarynearal_22:

(Start: 98 @18646 has 85 MA's), (138, 18742), (150, 18775), (151, 18778), (163, 18817), (239, 18952), (279, 19012), (287, 19018), (297, 19036), (312, 19060), (333, 19102), (459, 19414), (504, 19516), (545, 19606),

Gene: Tarzan_17 Start: 14116, Stop: 14958, Start Num: 94

Candidate Starts for Tarzan_17:

(7, 13660), (11, 13738), (28, 13936), (69, 14077), (Start: 94 @14116 has 18 MA's), (125, 14185), (136, 14215), (146, 14236), (157, 14269), (179, 14311), (Start: 180 @14314 has 1 MA's), (273, 14455), (312, 14521), (397, 14653), (441, 14728), (464, 14782), (488, 14824), (511, 14890), (526, 14929),

Gene: Teejan_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Teejan_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: Temprado_30 Start: 18964, Stop: 19980, Start Num: 92

Candidate Starts for Temprado_30:

(Start: 92 @18964 has 316 MA's), (120, 19018), (138, 19057), (182, 19162), (260, 19309), (287, 19339), (310, 19378), (312, 19381), (355, 19468), (357, 19489), (406, 19615), (445, 19687), (504, 19837), (507, 19846), (545, 19927),

Gene: Terrific_31 Start: 19655, Stop: 20671, Start Num: 92

Candidate Starts for Terrific_31:

(Start: 92 @19655 has 316 MA's), (129, 19730), (138, 19748), (151, 19784), (163, 19823), (260, 20000), (287, 20030), (310, 20069), (312, 20072), (504, 20528), (512, 20552),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 25

Candidate Starts for Terror_17:

(3, 15095), (4, 15155), (Start: 25 @15491 has 231 MA's), (57, 15614), (74, 15632), (104, 15677), (105, 15683), (129, 15746), (145, 15782), (173, 15851), (176, 15854), (186, 15875), (210, 15929), (252, 16004), (316, 16106), (322, 16118), (423, 16313), (441, 16343), (449, 16361), (455, 16385), (496, 16487), (502, 16505), (540, 16595), (550, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 92

Candidate Starts for Tesla_48:

(Start: 92 @26061 has 316 MA's), (147, 26193), (155, 26217), (159, 26226), (161, 26232), (166, 26241), (182, 26265), (186, 26274), (191, 26286), (254, 26412), (302, 26493), (312, 26508), (316, 26514), (389, 26622), (465, 26748), (467, 26754), (502, 26829), (535, 26904), (537, 26910), (542, 26922), (543, 26925), (561, 27012), (562, 27015), (563, 27018),

Gene: Theia_21 Start: 18584, Stop: 19597, Start Num: 98

Candidate Starts for Theia_21:

(Start: 98 @18584 has 85 MA's), (138, 18680), (150, 18713), (151, 18716), (239, 18890), (279, 18950), (287, 18956), (297, 18974), (312, 18998), (333, 19040), (459, 19352), (504, 19454), (513, 19481), (545, 19544),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 75

Candidate Starts for Thing3_33:

(Start: 75 @29854 has 54 MA's), (157, 30040), (160, 30052), (Start: 180 @30079 has 1 MA's), (189, 30100), (223, 30160), (277, 30247), (279, 30250), (304, 30286), (325, 30319), (331, 30334), (338, 30346), (354, 30376), (361, 30382), (395, 30442), (438, 30532), (468, 30622), (478, 30646), (483, 30658), (509, 30724), (514, 30739), (523, 30763), (532, 30775),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 29

Candidate Starts for Thyatira_20:

(Start: 29 @16323 has 23 MA's), (130, 16566), (143, 16593), (186, 16692), (231, 16794), (264, 16848), (287, 16878), (309, 16914), (310, 16917), (316, 16926), (353, 17001), (354, 17004), (379, 17040), (398, 17082), (423, 17100), (427, 17106), (441, 17130), (443, 17133), (446, 17139), (455, 17172), (540, 17382), (552, 17421), (555, 17439),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 59

Candidate Starts for Tiamoceli_32:

(Start: 59 @27405 has 25 MA's), (73, 27417), (93, 27444), (118, 27492), (119, 27495), (138, 27546), (168, 27624), (221, 27720), (263, 27792), (343, 27921), (366, 27954), (386, 27990), (468, 28176), (483, 28206), (496, 28233), (509, 28269), (521, 28302), (551, 28371),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 25

Candidate Starts for Tierra_21:

(Start: 25 @15908 has 231 MA's), (57, 16028), (116, 16118), (143, 16187), (231, 16388), (362, 16613), (397, 16673), (423, 16694), (455, 16766), (456, 16769), (457, 16772), (493, 16859), (501, 16883), (536, 16961), (540, 16976), (552, 17015), (555, 17033),

Gene: Tiger_23 Start: 18468, Stop: 19481, Start Num: 98

Candidate Starts for Tiger_23:

(Start: 98 @18468 has 85 MA's), (138, 18564), (150, 18597), (151, 18600), (239, 18774), (279, 18834), (287, 18840), (297, 18858), (312, 18882), (333, 18924), (459, 19236), (504, 19338), (545, 19428),

Gene: Tigress9_22 Start: 15170, Stop: 16309, Start Num: 25

Candidate Starts for Tigress9_22:

(Start: 25 @15170 has 231 MA's), (57, 15290), (116, 15380), (143, 15449), (231, 15650), (317, 15785), (319, 15788), (362, 15875), (397, 15935), (423, 15956), (441, 15986), (455, 16028), (456, 16031), (457, 16034), (493, 16121), (501, 16145), (536, 16223), (540, 16238), (552, 16277), (555, 16295),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 79

Candidate Starts for TillyBobJoe_30:

(Start: 79 @24720 has 33 MA's), (129, 24816), (155, 24885), (157, 24891), (168, 24915), (Start: 180 @24930 has 1 MA's), (188, 24948), (304, 25140), (353, 25218), (384, 25263), (395, 25287), (416, 25326), (454, 25422), (468, 25464), (483, 25500), (496, 25530), (512, 25575), (519, 25596), (543, 25647),

Gene: Timothy_27 Start: 19730, Stop: 20752, Start Num: 92

Candidate Starts for Timothy_27:

(Start: 92 @19730 has 316 MA's), (120, 19787), (147, 19862), (212, 19991), (239, 20051), (279, 20111), (287, 20117), (312, 20159), (334, 20204), (338, 20210), (368, 20294), (383, 20327), (504, 20609), (507, 20618), (512, 20633), (545, 20699),

Gene: TinaBug_17 Start: 15472, Stop: 16644, Start Num: 25

Candidate Starts for TinaBug_17:

(4, 15139), (Start: 25 @15472 has 231 MA's), (57, 15592), (74, 15610), (104, 15655), (105, 15661), (129, 15724), (145, 15760), (173, 15829), (176, 15832), (186, 15853), (210, 15907), (231, 15952), (252, 15982), (316, 16084), (322, 16096), (328, 16108), (336, 16126), (423, 16291), (441, 16321), (449, 16339), (455, 16363), (502, 16483), (540, 16573), (550, 16606),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 25

Candidate Starts for TingHuaYa_22:

(Start: 25 @15317 has 231 MA's), (57, 15434), (124, 15545), (143, 15593), (187, 15695), (264, 15848), (317, 15929), (354, 16004), (362, 16019), (441, 16130), (455, 16172), (493, 16265), (501, 16289), (540, 16382), (552, 16421), (555, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 25

Candidate Starts for TiniBug_22:

(Start: 25 @15962 has 231 MA's), (57, 16079), (116, 16169), (124, 16190), (130, 16211), (143, 16238), (231, 16439), (264, 16493), (271, 16499), (317, 16574), (354, 16649), (362, 16664), (455, 16817), (493, 16910), (501, 16934), (540, 17027), (552, 17066), (555, 17084),

Gene: TinyTimmy_27 Start: 19773, Stop: 20795, Start Num: 92

Candidate Starts for TinyTimmy_27:

(Start: 92 @19773 has 316 MA's), (120, 19830), (147, 19905), (212, 20034), (239, 20094), (279, 20154), (287, 20160), (312, 20202), (334, 20247), (338, 20253), (368, 20337), (383, 20370), (504, 20652), (507, 20661), (512, 20676), (545, 20742),

Gene: TopsytheTRex_26 Start: 18299, Stop: 19309, Start Num: 92

Candidate Starts for TopsytheTRex_26:

(Start: 92 @18299 has 316 MA's), (120, 18353), (129, 18374), (138, 18392), (287, 18674), (310, 18713), (312, 18716), (334, 18761), (368, 18851), (406, 18944), (465, 19079), (504, 19166),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 25

Candidate Starts for Tiri_22:

(Start: 25 @16023 has 231 MA's), (57, 16140), (116, 16230), (124, 16251), (130, 16272), (143, 16299), (264, 16554), (317, 16635), (354, 16710), (362, 16725), (441, 16836), (455, 16878), (493, 16971), (501, 16995), (540, 17088), (552, 17127), (555, 17145),

Gene: Toaka_26 Start: 18892, Stop: 19914, Start Num: 92

Candidate Starts for Toaka_26:

(Start: 92 @18892 has 316 MA's), (103, 18907), (105, 18910), (138, 18985), (182, 19090), (239, 19201), (260, 19237), (287, 19267), (312, 19309), (377, 19459), (415, 19555), (418, 19561), (499, 19759), (504, 19771), (507, 19780), (512, 19795),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 65

Candidate Starts for Toast_18:

(Start: 65 @15883 has 14 MA's), (Start: 83 @15898 has 11 MA's), (104, 15928), (113, 15949), (147, 16039), (184, 16120), (316, 16324), (317, 16327), (451, 16522), (492, 16612), (510, 16654), (531, 16702), (533, 16708),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 79

Candidate Starts for Togo_30:

(Start: 79 @24909 has 33 MA's), (129, 25014), (155, 25083), (157, 25089), (168, 25113), (Start: 180 @25128 has 1 MA's), (395, 25488), (399, 25503), (412, 25521), (454, 25623), (468, 25665), (483, 25701), (519, 25797), (543, 25848),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 25

Candidate Starts for TomBrady_17:

(4, 15145), (Start: 25 @15478 has 231 MA's), (57, 15598), (74, 15616), (104, 15661), (105, 15667), (129, 15730), (145, 15766), (173, 15835), (176, 15838), (186, 15859), (210, 15913), (231, 15958), (252, 15988), (316, 16090), (322, 16102), (328, 16114), (336, 16132), (423, 16297), (441, 16327), (449, 16345), (455, 16369), (502, 16489), (540, 16579), (550, 16612),

Gene: Tomathan_30 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for Tomathan_30:

(Start: 92 @19042 has 316 MA's), (120, 19096), (129, 19117), (138, 19135), (219, 19306), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: ToneTone_28 Start: 18890, Stop: 19906, Start Num: 92

Candidate Starts for ToneTone_28:

(Start: 92 @18890 has 316 MA's), (105, 18908), (120, 18944), (138, 18983), (182, 19088), (287, 19265), (310, 19304), (312, 19307), (355, 19394), (357, 19415), (406, 19541), (445, 19613), (504, 19763), (507, 19772), (545, 19853),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 64

Candidate Starts for Toniann_47:

(Start: 64 @28657 has 12 MA's), (102, 28705), (116, 28732), (144, 28804), (169, 28870), (186, 28900), (251, 29008), (316, 29101), (329, 29125), (335, 29140), (398, 29236), (441, 29284), (515, 29464), (532, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Topper_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Torres_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 83

Candidate Starts for TouchMeNot_18:

(Start: 83 @16550 has 11 MA's), (Start: 85 @16553 has 1 MA's), (125, 16637), (182, 16775), (377, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 92

Candidate Starts for Tourach_17:

(Start: 92 @16072 has 316 MA's), (107, 16096), (120, 16126), (151, 16207), (170, 16252), (309, 16477), (310, 16480), (312, 16483), (377, 16570), (389, 16594), (392, 16600), (450, 16669), (454, 16687), (461, 16708), (485, 16762), (492, 16774), (514, 16837), (558, 16966), (560, 16978),

Gene: Towmatter_27 Start: 24381, Stop: 25262, Start Num: 60

Candidate Starts for Towmatter_27:

(Start: 60 @24381 has 10 MA's), (116, 24456), (141, 24519), (144, 24528), (147, 24537), (210, 24657), (243, 24717), (316, 24825), (398, 24960), (441, 25008), (468, 25083), (492, 25131), (512, 25179), (515, 25188),

Gene: TpudiCK_28 Start: 21456, Stop: 22367, Start Num: 86

Candidate Starts for TpudiCK_28:

(Start: 86 @21456 has 21 MA's), (133, 21558), (142, 21576), (147, 21591), (182, 21663), (186, 21672), (230, 21750), (309, 21885), (310, 21888), (312, 21891), (352, 21960), (389, 22002), (392, 22008), (472, 22149), (485, 22170), (492, 22182), (547, 22305), (551, 22317),

Gene: Travvers_30 Start: 19042, Stop: 20052, Start Num: 92

Candidate Starts for Travvers_30:

(Start: 92 @19042 has 316 MA's), (120, 19096), (129, 19117), (138, 19135), (219, 19306), (287, 19417), (310, 19456), (312, 19459), (334, 19504), (465, 19822), (499, 19897), (504, 19909), (512, 19933), (545, 19999),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 92

Candidate Starts for Trax_27:

(Start: 80 @22683 has 1 MA's), (Start: 92 @22698 has 316 MA's), (120, 22755), (129, 22785), (182, 22899), (222, 22974), (236, 23007), (260, 23043), (309, 23124), (310, 23127), (325, 23154), (328, 23160), (347, 23187), (392, 23247), (394, 23253), (465, 23376), (466, 23379), (473, 23400), (492, 23430), (495, 23439), (509, 23478), (510, 23481), (529, 23523), (540, 23538), (543, 23544), (549, 23562), (553, 23577),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 25

Candidate Starts for TreyKay_22:

(Start: 25 @15985 has 231 MA's), (57, 16102), (116, 16192), (124, 16213), (130, 16234), (143, 16261), (264, 16516), (317, 16597), (354, 16672), (362, 16687), (441, 16798), (455, 16840), (493, 16933), (501, 16957), (540, 17050), (552, 17089), (555, 17107),

Gene: TriFive_18 Start: 16490, Stop: 17380, Start Num: 92

Candidate Starts for TriFive_18:

(Start: 92 @16490 has 316 MA's), (107, 16514), (125, 16559), (129, 16574), (139, 16595), (182, 16691), (260, 16826), (263, 16835), (310, 16895), (312, 16898), (316, 16904), (368, 16976), (389, 17009), (394, 17021), (450, 17084), (466, 17138), (473, 17159), (499, 17210), (514, 17252), (558, 17363), (559, 17366),

Gene: TribbleTrouble_20 Start: 16264, Stop: 17403, Start Num: 25

Candidate Starts for TribbleTrouble_20:

(Start: 25 @16264 has 231 MA's), (57, 16390), (104, 16453), (105, 16459), (120, 16489), (130, 16522), (176, 16627), (186, 16648), (231, 16750), (252, 16780), (283, 16825), (328, 16903), (423, 17050), (441, 17080), (446, 17089), (455, 17122), (456, 17125), (457, 17128), (493, 17215), (529, 17302), (539, 17326), (540, 17332), (550, 17365), (552, 17371),

Gene: Trice_18 Start: 15554, Stop: 16696, Start Num: 25

Candidate Starts for Trice_18:

(Start: 25 @15554 has 231 MA's), (57, 15677), (116, 15767), (143, 15836), (186, 15935), (187, 15938), (231, 16037), (317, 16172), (441, 16373), (455, 16415), (456, 16418), (493, 16508), (501, 16532), (540, 16625), (552, 16664), (555, 16682),

Gene: Trine_17 Start: 13911, Stop: 14768, Start Num: 94

Candidate Starts for Trine_17:

(Start: 94 @13911 has 18 MA's), (125, 13980), (129, 13995), (Start: 180 @14109 has 1 MA's), (248, 14214), (304, 14307), (312, 14319), (388, 14421), (441, 14523), (448, 14544), (480, 14622), (482, 14625), (488, 14634), (491, 14643), (492, 14646), (507, 14685), (526, 14736),

Gene: Tristan_28 Start: 20795, Stop: 21811, Start Num: 92

Candidate Starts for Tristan_28:

(Start: 92 @20795 has 316 MA's), (129, 20870), (138, 20888), (163, 20963), (239, 21104), (287, 21170), (312, 21212), (356, 21302), (364, 21338), (368, 21353), (426, 21479), (459, 21566), (504, 21668), (512, 21692),

Gene: Trixie_30 Start: 20845, Stop: 21858, Start Num: 92

Candidate Starts for Trixie_30:

(Start: 92 @20845 has 316 MA's), (105, 20863), (129, 20920), (138, 20938), (151, 20974), (163, 21013), (239, 21154), (287, 21220), (310, 21259), (312, 21262), (334, 21307), (357, 21367), (377, 21412), (406, 21493), (426, 21526), (504, 21715), (507, 21724), (547, 21808),

Gene: Trooper_27 Start: 19001, Stop: 20011, Start Num: 92

Candidate Starts for Trooper_27:

(Start: 92 @19001 has 316 MA's), (129, 19076), (138, 19094), (151, 19130), (163, 19169), (239, 19310), (287, 19376), (310, 19415), (312, 19418), (406, 19646), (465, 19781), (504, 19868), (512, 19892), (545, 19958),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 25

Candidate Starts for TruffulaTree_22:

(Start: 25 @16014 has 231 MA's), (57, 16131), (116, 16221), (124, 16242), (130, 16263), (143, 16290), (264, 16545), (317, 16626), (354, 16701), (362, 16716), (441, 16827), (455, 16869), (493, 16962), (501, 16986), (540, 17079), (552, 17118), (555, 17136),

Gene: Tubs_28 Start: 20527, Stop: 21540, Start Num: 92

Candidate Starts for Tubs_28:

(Start: 92 @20527 has 316 MA's), (105, 20545), (129, 20602), (138, 20620), (151, 20656), (239, 20836), (260, 20872), (287, 20902), (312, 20944), (380, 21103), (445, 21247), (465, 21310), (499, 21385), (504, 21397), (512, 21421),

Gene: Tucker_30 Start: 18976, Stop: 19992, Start Num: 92

Candidate Starts for Tucker_30:

(Start: 92 @18976 has 316 MA's), (105, 18994), (120, 19030), (138, 19069), (182, 19174), (287, 19351), (310, 19390), (312, 19393), (355, 19480), (357, 19501), (406, 19627), (445, 19699), (504, 19849), (507, 19858), (545, 19939),

Gene: Turbido_29 Start: 19682, Stop: 20698, Start Num: 92

Candidate Starts for Turbido_29:

(Start: 92 @19682 has 316 MA's), (129, 19757), (138, 19775), (151, 19811), (163, 19850), (287, 20057), (310, 20096), (312, 20099), (355, 20186), (426, 20366), (465, 20468), (499, 20543), (504, 20555),

Gene: Twigg_23 Start: 18619, Stop: 19632, Start Num: 98

Candidate Starts for Twigg_23:

(Start: 98 @18619 has 85 MA's), (138, 18715), (150, 18748), (151, 18751), (239, 18925), (279, 18985), (287, 18991), (297, 19009), (312, 19033), (333, 19075), (459, 19387), (504, 19489), (513, 19516), (545, 19579),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 79

Candidate Starts for Twister6_32:

(Start: 79 @25345 has 33 MA's), (129, 25450), (155, 25519), (157, 25525), (168, 25549), (Start: 180 @25564 has 1 MA's), (395, 25924), (399, 25939), (412, 25957), (454, 26059), (468, 26101), (483, 26137), (519, 26233), (543, 26284),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 25

Candidate Starts for Twitch_22:

(Start: 25 @16051 has 231 MA's), (57, 16168), (116, 16258), (124, 16279), (130, 16300), (143, 16327), (264, 16582), (317, 16663), (354, 16738), (362, 16753), (441, 16864), (455, 16906), (493, 16999), (501, 17023), (540, 17116), (552, 17155), (555, 17173),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 59

Candidate Starts for Twonlo_29:

(Start: 59 @26023 has 25 MA's), (73, 26035), (93, 26062), (118, 26110), (119, 26113), (138, 26164), (168, 26242), (221, 26338), (244, 26371), (263, 26410), (343, 26539), (366, 26572), (386, 26608), (468, 26794), (483, 26824), (496, 26851), (509, 26887), (521, 26920), (551, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 86

Candidate Starts for TyDawg_27:

(Start: 86 @21457 has 21 MA's), (133, 21559), (142, 21577), (147, 21592), (182, 21664), (186, 21673), (230, 21751), (309, 21886), (310, 21889), (312, 21892), (352, 21961), (389, 22003), (392, 22009), (472, 22150), (485, 22171), (492, 22183), (547, 22306), (551, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 75

Candidate Starts for Tycho_33:

(Start: 75 @28653 has 54 MA's), (147, 28809), (157, 28839), (160, 28851), (168, 28863), (Start: 180 @28878 has 1 MA's), (186, 28890), (279, 29049), (304, 29085), (338, 29145), (361, 29181), (395, 29241), (438, 29331), (468, 29421), (478, 29445), (483, 29457), (509, 29523), (514, 29538), (523, 29562), (532, 29574),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 41

Candidate Starts for Typha_23:

(Start: 41 @18613 has 6 MA's), (Start: 85 @18679 has 1 MA's), (129, 18769), (131, 18775), (152, 18823), (171, 18871), (186, 18898), (200, 18925), (201, 18928), (214, 18949), (241, 19000), (274, 19051), (280, 19060), (296, 19087), (336, 19162), (348, 19186), (427, 19276), (441, 19300), (443, 19303), (455, 19339), (473, 19393), (478, 19402), (497, 19444), (498, 19447), (536, 19528), (539, 19537), (552, 19582),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 92

Candidate Starts for Tyson_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (256, 16192), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (389, 16381), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 78

Candidate Starts for UPIE_17:

(55, 15809), (Start: 78 @15845 has 9 MA's), (Start: 92 @15863 has 316 MA's), (107, 15887), (120, 15917), (125, 15932), (139, 15965), (216, 16109), (310, 16265), (312, 16268), (316, 16274), (338, 16319), (368, 16346), (389, 16379), (392, 16385), (431, 16418), (439, 16427), (450, 16454), (497, 16574), (514, 16622), (549, 16688), (551, 16694), (558, 16733),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Ubuntu_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Ugenie5_25 Start: 20560, Stop: 21573, Start Num: 92

Candidate Starts for Ugenie5_25:

(Start: 92 @20560 has 316 MA's), (105, 20578), (129, 20635), (138, 20653), (151, 20689), (239, 20869), (260, 20905), (287, 20935), (312, 20977), (380, 21136), (445, 21280), (465, 21343), (499, 21418), (504, 21430), (512, 21454),

Gene: UhSalsa_22 Start: 15480, Stop: 16352, Start Num: 98

Candidate Starts for UhSalsa_22:

(Start: 98 @15480 has 85 MA's), (116, 15519), (147, 15600), (150, 15606), (Start: 180 @15675 has 1 MA's), (224, 15753), (256, 15813), (312, 15891), (378, 15987), (465, 16116), (471, 16134), (499, 16191), (504, 16203), (518, 16245), (556, 16341),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 68

Candidate Starts for UmaThurman_18:

(Start: 63 @15915 has 10 MA's), (Start: 68 @15921 has 23 MA's), (147, 16077), (184, 16158), (243, 16257), (317, 16365), (371, 16449), (423, 16515), (451, 16560), (492, 16650), (510, 16692),

Gene: Underpass_17 Start: 16079, Stop: 16993, Start Num: 92

Candidate Starts for Underpass_17:

(Start: 92 @16079 has 316 MA's), (107, 16103), (120, 16133), (170, 16259), (216, 16331), (309, 16484), (310, 16487), (312, 16490), (328, 16520), (377, 16577), (389, 16601), (392, 16607), (450, 16676), (454, 16694), (461, 16715), (485, 16769), (492, 16781), (514, 16844), (558, 16973), (560, 16985),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 25

Candidate Starts for Unicorn_21:

(Start: 25 @15233 has 231 MA's), (57, 15353), (116, 15443), (143, 15512), (231, 15713), (264, 15767), (287, 15797), (362, 15938), (397, 15998), (423, 16019), (441, 16049), (455, 16091), (456, 16094), (457, 16097), (493, 16184), (501, 16208), (536, 16286), (540, 16301), (552, 16340), (555, 16358),

Gene: UnionJack_23 Start: 17673, Stop: 18686, Start Num: 98

Candidate Starts for UnionJack_23:

(Start: 98 @17673 has 85 MA's), (138, 17769), (150, 17802), (151, 17805), (163, 17844), (239, 17979), (256, 18009), (279, 18039), (287, 18045), (297, 18063), (312, 18087), (333, 18129), (398, 18300), (504, 18543), (513, 18570), (545, 18633),

Gene: Updawg_29 Start: 19643, Stop: 20659, Start Num: 92

Candidate Starts for Updawg_29:

(Start: 92 @19643 has 316 MA's), (129, 19718), (138, 19736), (151, 19772), (163, 19811), (260, 19988), (287, 20018), (310, 20057), (312, 20060), (504, 20516), (512, 20540),

Gene: Upyo_17 Start: 14116, Stop: 14946, Start Num: 94

Candidate Starts for Upyo_17:

(Start: 94 @14116 has 18 MA's), (116, 14161), (125, 14185), (209, 14365), (248, 14419), (304, 14512), (312, 14524), (379, 14608), (388, 14626), (488, 14812), (492, 14824), (507, 14863), (526, 14914),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 25

Candidate Starts for Urkel_22:

(Start: 25 @15965 has 231 MA's), (57, 16082), (116, 16172), (124, 16193), (130, 16214), (143, 16241), (231, 16442), (264, 16496), (271, 16502), (317, 16577), (354, 16652), (362, 16667), (455, 16820), (493, 16913), (501, 16937), (540, 17030), (552, 17069), (555, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 68

Candidate Starts for Utz_18:

(Start: 63 @15782 has 10 MA's), (Start: 68 @15788 has 23 MA's), (147, 15944), (184, 16025), (243, 16124), (317, 16232), (371, 16316), (427, 16388), (492, 16517), (501, 16544), (510, 16559),

Gene: VA6_27 Start: 19197, Stop: 20207, Start Num: 92

Candidate Starts for VA6_27:

(Start: 92 @19197 has 316 MA's), (120, 19251), (129, 19272), (138, 19290), (219, 19461), (287, 19572), (310, 19611), (312, 19614), (334, 19659), (368, 19749), (459, 19962), (465, 19977), (499, 20052), (504, 20064), (512, 20088), (545, 20154),

Gene: VC3_30 Start: 19185, Stop: 20195, Start Num: 92

Candidate Starts for VC3_30:

(Start: 92 @19185 has 316 MA's), (120, 19239), (129, 19260), (138, 19278), (219, 19449), (287, 19560), (310, 19599), (312, 19602), (334, 19647), (368, 19737), (459, 19950), (465, 19965), (499, 20040), (504, 20052), (512, 20076), (545, 20142),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 79

Candidate Starts for Valary_33:

(Start: 79 @25854 has 33 MA's), (129, 25959), (155, 26028), (157, 26034), (168, 26058), (Start: 180 @26073 has 1 MA's), (395, 26433), (399, 26448), (412, 26466), (454, 26568), (468, 26610), (483, 26646), (519, 26742), (543, 26793),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 25

Candidate Starts for Validus_22:

(Start: 25 @15308 has 231 MA's), (57, 15428), (116, 15518), (143, 15587), (186, 15686), (187, 15689), (231, 15788), (264, 15842), (317, 15923), (354, 15998), (362, 16013), (441, 16124), (455, 16166), (456, 16169), (493, 16259), (526, 16343), (536, 16361), (540, 16376), (552, 16415), (555, 16433),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 79

Candidate Starts for VanDeWege_33:

(Start: 79 @25693 has 33 MA's), (129, 25789), (155, 25858), (157, 25864), (168, 25888), (Start: 180 @25903 has 1 MA's), (279, 26077), (304, 26113), (353, 26191), (395, 26260), (454, 26395), (468, 26437), (483, 26473), (512, 26548), (519, 26569), (543, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 89

Candidate Starts for VanLee_19:

(Start: 89 @15562 has 7 MA's), (120, 15619), (125, 15634), (182, 15769), (260, 15904), (278, 15934), (309, 15970), (310, 15973), (317, 15985), (328, 16006), (347, 16036), (389, 16093), (392, 16099), (400, 16123), (492, 16273), (532, 16369), (554, 16429),

Gene: Vanisoa_26 Start: 18587, Stop: 19609, Start Num: 92

Candidate Starts for Vanisoa_26:

(Start: 92 @18587 has 316 MA's), (105, 18605), (120, 18641), (129, 18662), (138, 18680), (260, 18932), (287, 18962), (312, 19004), (377, 19154), (393, 19199), (415, 19250), (418, 19256), (445, 19316), (504, 19466), (507, 19475),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 92

Candidate Starts for VasuNzinga_49:

(Start: 92 @25618 has 316 MA's), (147, 25750), (155, 25774), (159, 25783), (161, 25789), (166, 25798), (182, 25822), (186, 25831), (191, 25843), (254, 25969), (302, 26050), (312, 26065), (316, 26071), (389, 26179), (465, 26305), (467, 26311), (535, 26461), (537, 26467), (542, 26479), (543, 26482), (561, 26569), (562, 26572), (563, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 25

Candidate Starts for Veliki_22:

(Start: 25 @16054 has 231 MA's), (57, 16171), (116, 16261), (124, 16282), (130, 16303), (143, 16330), (264, 16585), (317, 16666), (354, 16741), (362, 16756), (441, 16867), (455, 16909), (493, 17002), (501, 17026), (540, 17119), (552, 17158), (555, 17176),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 59

Candidate Starts for Verity_33:

(Start: 59 @29967 has 25 MA's), (118, 30054), (129, 30090), (145, 30126), (221, 30282), (223, 30285), (263, 30354), (308, 30417), (314, 30426), (366, 30516), (385, 30549), (386, 30552), (457, 30705), (471, 30747), (483, 30768), (496, 30795), (503, 30816), (507, 30825), (509, 30831), (521, 30864), (522, 30867), (544, 30912), (546, 30921), (551, 30933),

Gene: Vetrix_17 Start: 16080, Stop: 16994, Start Num: 92

Candidate Starts for Vetrix_17:

(Start: 92 @16080 has 316 MA's), (107, 16104), (120, 16134), (170, 16260), (216, 16332), (309, 16485), (310, 16488), (312, 16491), (328, 16521), (377, 16578), (389, 16602), (392, 16608), (450, 16677), (454, 16695), (461, 16716), (492, 16782), (514, 16845), (558, 16974), (560, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 59

Candidate Starts for ViaConlectus_34:

(Start: 59 @28404 has 25 MA's), (106, 28476), (118, 28500), (129, 28536), (145, 28572), (221, 28728), (263, 28800), (308, 28863), (314, 28872), (343, 28929), (366, 28962), (385, 28995), (386, 28998), (447, 29115), (457, 29151), (468, 29184), (471, 29193), (483, 29214), (496, 29241), (507, 29271), (509, 29277), (521, 29310), (522, 29313), (546, 29367), (551, 29379),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 75

Candidate Starts for Vivi2_36:

(Start: 75 @30528 has 54 MA's), (157, 30714), (160, 30726), (Start: 180 @30753 has 1 MA's), (189, 30774), (223, 30834), (277, 30921), (279, 30924), (304, 30960), (325, 30993), (331, 31008), (338, 31020), (354, 31050), (361, 31056), (395, 31116), (438, 31206), (468, 31296), (478, 31320), (483, 31332), (509, 31398), (523, 31437), (532, 31449),

Gene: ViviJ_19 Start: 16180, Stop: 17310, Start Num: 29

Candidate Starts for ViviJ_19:

(Start: 29 @16180 has 23 MA's), (104, 16354), (129, 16420), (130, 16423), (143, 16450), (186, 16549), (231, 16651), (264, 16705), (287, 16735), (309, 16771), (310, 16774), (316, 16783), (353, 16858), (354, 16861), (379, 16897), (398, 16939), (423, 16957), (427, 16963), (441, 16987), (443, 16990), (455, 17029), (540, 17239), (552, 17278), (555, 17296),

Gene: VohminGhazi_30 Start: 18966, Stop: 19979, Start Num: 92

Candidate Starts for VohminGhazi_30:

(Start: 92 @18966 has 316 MA's), (120, 19020), (138, 19059), (182, 19164), (260, 19311), (287, 19341), (310, 19380), (312, 19383), (334, 19428), (357, 19488), (445, 19686), (504, 19836), (507, 19845),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 63

Candidate Starts for Vordorf_21:

(Start: 63 @17520 has 10 MA's), (Start: 68 @17526 has 23 MA's), (97, 17562), (99, 17565), (167, 17733), (177, 17748), (184, 17760), (240, 17856), (243, 17859), (256, 17880), (264, 17895), (345, 18024), (425, 18120), (451, 18165), (456, 18186), (466, 18216), (511, 18306),

Gene: WST1_16 Start: 12938, Stop: 14128, Start Num: 15

Candidate Starts for WST1_16:

(Start: 15 @12938 has 1 MA's), (21, 12986), (22, 12989), (32, 13052), (37, 13073), (Start: 68 @13148 has 23 MA's), (110, 13223), (149, 13331), (153, 13343), (154, 13346), (160, 13370), (174, 13391), (193, 13436), (242, 13517), (253, 13538), (259, 13547), (267, 13562), (272, 13568), (301, 13613), (303, 13616), (317, 13640), (319, 13643), (375, 13739), (435, 13850), (446, 13871), (462, 13910), (467, 13925), (476, 13949), (497, 13997), (509, 14030), (511, 14036), (513, 14042), (514, 14045), (543, 14114),

Gene: Waits_29 Start: 18089, Stop: 19066, Start Num: 96

Candidate Starts for Waits_29:

(Start: 96 @18089 has 22 MA's), (147, 18203), (150, 18209), (151, 18212), (269, 18446), (406, 18713), (442, 18767), (504, 18923),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 68

Candidate Starts for Walrus_19:

(Start: 63 @16010 has 10 MA's), (Start: 68 @16016 has 23 MA's), (147, 16172), (184, 16253), (243, 16352), (317, 16460), (371, 16544), (423, 16610), (451, 16655), (492, 16745), (510, 16787),

Gene: Wamburgxpress_17 Start: 15878, Stop: 16759, Start Num: 92

Candidate Starts for Wamburgxpress_17:

(Start: 78 @15860 has 9 MA's), (Start: 92 @15878 has 316 MA's), (107, 15902), (120, 15932), (125, 15947), (139, 15980), (216, 16124), (256, 16205), (310, 16280), (312, 16283), (316, 16289), (338, 16334), (368, 16361), (389, 16394), (392, 16400), (431, 16433), (439, 16442), (450, 16469), (497, 16589), (514, 16637), (549, 16703), (551, 16709), (558, 16748),

Gene: Warrior24_29 Start: 18093, Stop: 19070, Start Num: 96

Candidate Starts for Warrior24_29:

(Start: 96 @18093 has 22 MA's), (147, 18207), (150, 18213), (151, 18216), (269, 18450), (406, 18717), (442, 18771), (504, 18927),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 29

Candidate Starts for Waterfoul_20:

(Start: 29 @16344 has 23 MA's), (130, 16587), (143, 16614), (186, 16713), (231, 16815), (264, 16869), (287, 16899), (309, 16935), (310, 16938), (316, 16947), (353, 17022), (354, 17025), (379, 17061), (398, 17103), (423, 17121), (427, 17127), (441, 17151), (443, 17154), (446, 17160), (455, 17193), (540, 17403), (552, 17442), (555, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Webster2_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: WeiHuaDA_33 Start: 21452, Stop: 22465, Start Num: 92

Candidate Starts for WeiHuaDA_33:

(Start: 92 @21452 has 316 MA's), (105, 21470), (129, 21527), (138, 21545), (151, 21581), (163, 21620), (287, 21827), (310, 21866), (312, 21869), (334, 21914), (357, 21974), (368, 22007), (404, 22097), (426, 22133), (504, 22322), (507, 22331),

Gene: Weirido19_18 Start: 14977, Stop: 16083, Start Num: 45

Candidate Starts for Weirido19_18:

(8, 14650), (9, 14686), (Start: 45 @14977 has 1 MA's), (Start: 49 @14989 has 23 MA's), (124, 15118), (142, 15163), (143, 15166), (145, 15172), (151, 15187), (190, 15271), (221, 15355), (233, 15385), (238, 15391), (255, 15421), (275, 15448), (279, 15454), (284, 15463), (311, 15508), (321, 15526), (326, 15535), (363, 15610), (377, 15628), (444, 15769), (509, 15937), (525, 15976), (536, 15997), (539, 16006), (540, 16012), (552, 16051),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Wendigo_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Whabigail7_29 Start: 19670, Stop: 20686, Start Num: 92

Candidate Starts for Whabigail7_29:

(Start: 92 @19670 has 316 MA's), (129, 19745), (138, 19763), (151, 19799), (163, 19838), (287, 20045), (310, 20084), (312, 20087), (355, 20174), (426, 20354), (465, 20456), (499, 20531), (504, 20543),

Gene: Whack_17 Start: 16453, Stop: 17082, Start Num: 180

Candidate Starts for Whack_17:

(88, 16246), (165, 16429), (Start: 180 @16453 has 1 MA's), (186, 16465), (214, 16504), (227, 16534), (238, 16552), (277, 16609), (279, 16612), (286, 16624), (295, 16639), (316, 16666), (320, 16675), (387, 16777), (392, 16783), (394, 16789), (433, 16837), (441, 16849), (452, 16876), (487, 16948), (508, 17002), (511, 17008), (518, 17026), (538, 17068),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 53

Candidate Starts for WheatThin_21:

(Start: 53 @16293 has 20 MA's), (Start: 87 @16338 has 2 MA's), (105, 16368), (151, 16476), (215, 16626), (233, 16674), (286, 16758), (292, 16767), (319, 16809), (414, 16986), (432, 17019), (449, 17055), (525, 17250), (551, 17322), (552, 17325),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 92

Candidate Starts for Whirlwind_19:

(Start: 92 @16247 has 316 MA's), (107, 16271), (125, 16316), (129, 16331), (139, 16352), (182, 16448), (260, 16583), (263, 16592), (310, 16652), (312, 16655), (316, 16661), (368, 16733), (389, 16766), (450, 16841), (473, 16916), (499, 16967), (514, 17009), (558, 17120), (559, 17123),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 83

Candidate Starts for Whitty_18:

(Start: 83 @16018 has 11 MA's), (103, 16045), (111, 16063), (188, 16240), (189, 16243), (224, 16318), (260, 16384), (275, 16411), (310, 16468), (316, 16477), (466, 16714), (474, 16738), (517, 16837), (525, 16858), (536, 16879), (548, 16918), (551, 16927),

Gene: WideWale_29 Start: 19643, Stop: 20659, Start Num: 92

Candidate Starts for WideWale_29:

(Start: 92 @19643 has 316 MA's), (129, 19718), (138, 19736), (151, 19772), (163, 19811), (260, 19988), (287, 20018), (310, 20057), (312, 20060), (504, 20516), (512, 20540),

Gene: Widow_17 Start: 14300, Stop: 15133, Start Num: 94

Candidate Starts for Widow_17:

(Start: 94 @14300 has 18 MA's), (125, 14369), (157, 14453), (184, 14504), (248, 14612), (304, 14705), (312, 14717), (319, 14723), (354, 14789), (443, 14915), (457, 14942), (458, 14945), (464, 14963), (472, 14978), (492, 15017),

Gene: Wigglewigggle_17 Start: 16106, Stop: 17020, Start Num: 92

Candidate Starts for Wigglewigggle_17:

(Start: 92 @16106 has 316 MA's), (107, 16130), (120, 16160), (170, 16286), (216, 16358), (309, 16511), (310, 16514), (312, 16517), (328, 16547), (377, 16604), (389, 16628), (392, 16634), (450, 16703), (454, 16721), (461, 16742), (485, 16796), (492, 16808), (514, 16871), (558, 17000), (560, 17012),

Gene: Wiks_30 Start: 18958, Stop: 19974, Start Num: 92

Candidate Starts for Wiks_30:

(Start: 92 @18958 has 316 MA's), (105, 18976), (120, 19012), (138, 19051), (182, 19156), (287, 19333), (310, 19372), (312, 19375), (355, 19462), (357, 19483), (406, 19609), (445, 19681), (504, 19831), (507, 19840), (545, 19921),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 92

Candidate Starts for Wilder_17:

(Start: 92 @16079 has 316 MA's), (107, 16103), (120, 16133), (170, 16259), (216, 16331), (309, 16484), (310, 16487), (312, 16490), (328, 16520), (377, 16577), (389, 16601), (392, 16607), (450, 16676), (454, 16694), (461, 16715), (485, 16769), (492, 16781), (514, 16844), (558, 16973), (560, 16985),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 65

Candidate Starts for William_18:

(Start: 65 @15832 has 14 MA's), (Start: 83 @15847 has 11 MA's), (104, 15877), (113, 15898), (147, 15988), (184, 16069), (316, 16273), (317, 16276), (451, 16471), (492, 16561), (510, 16603), (531, 16651), (533, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 60

Candidate Starts for WilliamBoone_47:

(Start: 60 @28015 has 10 MA's), (Start: 64 @28021 has 12 MA's), (102, 28069), (116, 28096), (144, 28168), (150, 28183), (251, 28372), (316, 28465), (329, 28489), (335, 28504), (397, 28597), (398, 28600), (441, 28648), (515, 28828), (532, 28864),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 92

Candidate Starts for Winky_17:

(Start: 92 @16074 has 316 MA's), (107, 16098), (120, 16128), (170, 16254), (216, 16326), (309, 16479), (310, 16482), (312, 16485), (328, 16515), (377, 16572), (389, 16596), (392, 16602), (450, 16671), (454, 16689), (461, 16710), (492, 16776), (514, 16839), (558, 16968), (560, 16980),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 25

Candidate Starts for Wintermute_23:

(Start: 25 @17489 has 231 MA's), (31, 17507), (Start: 45 @17579 has 1 MA's), (57, 17609), (116, 17699), (130, 17741), (142, 17765), (187, 17870), (312, 18092), (316, 18098), (397, 18248), (398, 18251), (423, 18269), (441, 18299), (455, 18341), (456, 18344), (473, 18395), (536, 18536), (540,

18551), (552, 18590), (555, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Wishmaker_21:

(Start: 49 @16315 has 23 MA's), (Start: 52 @16324 has 1 MA's), (114, 16420), (120, 16429), (122, 16438), (143, 16489), (145, 16495), (188, 16591), (195, 16609), (221, 16678), (226, 16687), (233, 16708), (238, 16714), (243, 16720), (245, 16723), (286, 16795), (289, 16798), (377, 16954), (401, 17005), (408, 17023), (444, 17095), (451, 17113), (480, 17197), (493, 17224), (494, 17227), (509, 17263), (515, 17281), (536, 17323), (540, 17338), (542, 17341), (550, 17371), (552, 17377),

Gene: Wisp_17 Start: 15521, Stop: 16366, Start Num: 83

Candidate Starts for Wisp_17:

(Start: 63 @15500 has 10 MA's), (Start: 68 @15506 has 23 MA's), (Start: 83 @15521 has 11 MA's), (147, 15662), (184, 15743), (219, 15800), (222, 15809), (243, 15842), (317, 15950), (371, 16034), (423, 16100), (451, 16145), (492, 16235), (510, 16277), (543, 16358),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 79

Candidate Starts for Wizard_30:

(Start: 79 @25052 has 33 MA's), (129, 25157), (155, 25226), (157, 25232), (168, 25256), (Start: 180 @25271 has 1 MA's), (395, 25631), (399, 25646), (412, 25664), (454, 25766), (468, 25808), (483, 25844), (519, 25940), (543, 25991),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 68

Candidate Starts for Wocket_19:

(Start: 63 @15974 has 10 MA's), (Start: 68 @15980 has 23 MA's), (147, 16136), (317, 16424), (371, 16508), (423, 16574), (427, 16580), (492, 16709), (510, 16751),

Gene: Wolpertinger_26 Start: 19733, Stop: 20755, Start Num: 92

Candidate Starts for Wolpertinger_26:

(Start: 92 @19733 has 316 MA's), (120, 19790), (147, 19865), (212, 19994), (239, 20054), (279, 20114), (287, 20120), (312, 20162), (334, 20207), (338, 20213), (368, 20297), (383, 20330), (504, 20612), (507, 20621), (512, 20636), (545, 20702),

Gene: WorldCup_25 Start: 18587, Stop: 19609, Start Num: 92

Candidate Starts for WorldCup_25:

(Start: 92 @18587 has 316 MA's), (105, 18605), (120, 18641), (129, 18662), (138, 18680), (182, 18785), (260, 18932), (287, 18962), (312, 19004), (357, 19109), (377, 19154), (393, 19199), (415, 19250), (418, 19256), (421, 19265), (465, 19379), (491, 19430), (499, 19454), (504, 19466), (545, 19556),

Gene: Wrigley_19 Start: 16522, Stop: 17430, Start Num: 90

Candidate Starts for Wrigley_19:

(Start: 90 @16522 has 26 MA's), (120, 16579), (174, 16714), (183, 16729), (185, 16732), (215, 16783), (282, 16891), (313, 16939), (327, 16963), (338, 16981), (340, 16987), (367, 17023), (446, 17179), (458, 17206), (462, 17218), (467, 17233), (488, 17278), (494, 17296), (497, 17305), (510, 17341), (511, 17344), (525, 17380), (529, 17386), (532, 17392),

Gene: WunderPhul_30 Start: 18958, Stop: 19974, Start Num: 92

Candidate Starts for WunderPhul_30:

(Start: 92 @18958 has 316 MA's), (105, 18976), (120, 19012), (138, 19051), (182, 19156), (287, 19333), (310, 19372), (312, 19375), (355, 19462), (357, 19483), (406, 19609), (445, 19681), (504, 19831), (507, 19840), (545, 19921),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 78

Candidate Starts for Wyatt2_17:

(55, 15811), (Start: 78 @15847 has 9 MA's), (Start: 92 @15865 has 316 MA's), (107, 15889), (120, 15919), (125, 15934), (139, 15967), (216, 16111), (310, 16267), (312, 16270), (316, 16276), (338, 16321), (368, 16348), (392, 16387), (431, 16420), (439, 16429), (450, 16456), (497, 16576), (514, 16624), (549, 16690), (551, 16696), (558, 16735),

Gene: XianYue_27 Start: 19126, Stop: 20139, Start Num: 92

Candidate Starts for XianYue_27:

(Start: 92 @19126 has 316 MA's), (129, 19201), (138, 19219), (151, 19255), (163, 19294), (173, 19309), (239, 19435), (260, 19471), (287, 19501), (310, 19540), (312, 19543), (334, 19588), (426, 19807), (465, 19909), (499, 19984), (504, 19996), (512, 20020),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 25

Candidate Starts for Ximenita_22:

(Start: 25 @15360 has 231 MA's), (57, 15480), (116, 15570), (143, 15639), (231, 15840), (264, 15894), (353, 16047), (362, 16065), (423, 16146), (441, 16176), (446, 16185), (455, 16218), (493, 16311), (501, 16335), (536, 16413), (540, 16428), (552, 16467), (555, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 25

Candidate Starts for Y10_23:

(Start: 25 @17489 has 231 MA's), (31, 17507), (Start: 45 @17579 has 1 MA's), (57, 17609), (116, 17699), (130, 17741), (142, 17765), (187, 17870), (312, 18092), (316, 18098), (397, 18248), (398, 18251), (423, 18269), (441, 18299), (455, 18341), (456, 18344), (473, 18395), (536, 18536), (540, 18551), (552, 18590), (555, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 25

Candidate Starts for Y2_23:

(Start: 25 @17489 has 231 MA's), (31, 17507), (Start: 45 @17579 has 1 MA's), (57, 17609), (116, 17699), (130, 17741), (142, 17765), (187, 17870), (312, 18092), (316, 18098), (397, 18248), (398, 18251), (423, 18269), (441, 18299), (455, 18341), (456, 18344), (473, 18395), (536, 18536), (540, 18551), (552, 18590), (555, 18608),

Gene: YangYin_17 Start: 15824, Stop: 17002, Start Num: 25

Candidate Starts for YangYin_17:

(3, 15413), (4, 15473), (Start: 25 @15824 has 231 MA's), (74, 15968), (105, 16019), (130, 16085), (131, 16088), (173, 16187), (176, 16190), (187, 16214), (205, 16259), (210, 16265), (322, 16454), (351, 16514), (409, 16622), (417, 16634), (441, 16679), (455, 16721), (525, 16895), (526, 16898), (536, 16916), (548, 16958), (550, 16964),

Gene: Yarn_16 Start: 14423, Stop: 15394, Start Num: 94

Candidate Starts for Yarn_16:

(Start: 94 @14423 has 18 MA's), (118, 14468), (125, 14489), (129, 14504), (138, 14525), (155, 14576), (172, 14606), (188, 14633), (217, 14684), (220, 14693), (221, 14696), (252, 14750), (258, 14762), (288, 14810), (340, 14900), (361, 14951), (382, 14981), (395, 15011), (401, 15029), (446, 15125), (451, 15143), (466, 15194), (467, 15197), (480, 15227), (483, 15236), (491, 15251), (511, 15308), (532, 15356), (540, 15380), (543, 15386),

Gene: YasnayaPolyana_23 Start: 17490, Stop: 18623, Start Num: 25

Candidate Starts for YasnayaPolyana_23:

(Start: 25 @17490 has 231 MA's), (31, 17508), (Start: 45 @17580 has 1 MA's), (57, 17610), (116, 17700), (130, 17742), (142, 17766), (187, 17871), (312, 18093), (316, 18099), (397, 18249), (398, 18252), (423, 18270), (441, 18300), (455, 18342), (456, 18345), (473, 18396), (536, 18537), (540,

18552), (552, 18591), (555, 18609),

Gene: Yecey3_27 Start: 18619, Stop: 19641, Start Num: 92

Candidate Starts for Yecey3_27:

(Start: 92 @18619 has 316 MA's), (105, 18637), (138, 18712), (151, 18748), (239, 18928), (260, 18964), (287, 18994), (312, 19036), (334, 19081), (368, 19174), (377, 19186), (383, 19207), (415, 19282), (504, 19498), (507, 19507),

Gene: Yogi_22 Start: 15454, Stop: 16326, Start Num: 98

Candidate Starts for Yogi_22:

(Start: 98 @15454 has 85 MA's), (116, 15493), (147, 15574), (150, 15580), (Start: 180 @15649 has 1 MA's), (224, 15727), (234, 15754), (312, 15865), (378, 15961), (465, 16090), (471, 16108), (504, 16177), (556, 16315),

Gene: Yokurt_30 Start: 18958, Stop: 19974, Start Num: 92

Candidate Starts for Yokurt_30:

(Start: 92 @18958 has 316 MA's), (105, 18976), (120, 19012), (138, 19051), (182, 19156), (287, 19333), (310, 19372), (312, 19375), (355, 19462), (357, 19483), (406, 19609), (445, 19681), (504, 19831), (507, 19840), (545, 19921),

Gene: Yoncess_22 Start: 15454, Stop: 16326, Start Num: 98

Candidate Starts for Yoncess_22:

(Start: 98 @15454 has 85 MA's), (116, 15493), (147, 15574), (150, 15580), (Start: 180 @15649 has 1 MA's), (224, 15727), (234, 15754), (312, 15865), (378, 15961), (465, 16090), (471, 16108), (504, 16177), (556, 16315),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 75

Candidate Starts for YorkOnyx_34:

(Start: 75 @28912 has 54 MA's), (147, 29068), (157, 29098), (160, 29110), (168, 29122), (Start: 180 @29137 has 1 MA's), (186, 29149), (279, 29308), (304, 29344), (338, 29404), (351, 29428), (361, 29440), (395, 29500), (438, 29590), (468, 29680), (478, 29704), (483, 29716), (509, 29782), (514, 29797), (523, 29821), (532, 29833),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 25

Candidate Starts for YoureAdopted_21:

(Start: 25 @15987 has 231 MA's), (57, 16104), (116, 16194), (124, 16215), (130, 16236), (143, 16263), (264, 16518), (317, 16599), (354, 16674), (362, 16689), (441, 16800), (455, 16842), (493, 16935), (501, 16959), (540, 17052), (552, 17091), (555, 17109),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 25

Candidate Starts for Yuna_22:

(Start: 25 @15278 has 231 MA's), (57, 15395), (104, 15458), (143, 15554), (187, 15656), (231, 15755), (264, 15809), (317, 15890), (398, 16043), (427, 16067), (455, 16133), (456, 16136), (457, 16139), (493, 16226), (536, 16328), (540, 16343), (552, 16382), (555, 16400),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 79

Candidate Starts for YungMoney_32:

(Start: 79 @26412 has 33 MA's), (129, 26508), (155, 26577), (157, 26583), (160, 26595), (162, 26598), (168, 26607), (Start: 180 @26622 has 1 MA's), (279, 26796), (302, 26829), (304, 26832), (382, 26949), (395, 26979), (454, 27114), (466, 27150), (483, 27192), (512, 27267), (519, 27288),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 25

Candidate Starts for Yunkel11_22:

(Start: 25 @15243 has 231 MA's), (57, 15360), (116, 15450), (124, 15471), (143, 15519), (264, 15774), (317, 15855), (354, 15930), (362, 15945), (441, 16056), (455, 16098), (488, 16176), (493, 16191), (501, 16215), (540, 16308), (552, 16347), (555, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 56

Candidate Starts for Yvonnetastic_44:

(Start: 56 @29619 has 2 MA's), (116, 29706), (142, 29772), (147, 29787), (150, 29793), (240, 29964), (280, 30021), (316, 30075), (329, 30099), (392, 30198), (398, 30216), (441, 30264), (451, 30282), (457, 30306), (531, 30474),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 25

Candidate Starts for Zabiza_22:

(Start: 25 @16018 has 231 MA's), (57, 16135), (116, 16225), (124, 16246), (130, 16267), (143, 16294), (264, 16549), (317, 16630), (354, 16705), (362, 16720), (441, 16831), (455, 16873), (493, 16966), (501, 16990), (540, 17083), (552, 17122), (555, 17140),

Gene: Zaka_30 Start: 18958, Stop: 19974, Start Num: 92

Candidate Starts for Zaka_30:

(Start: 92 @18958 has 316 MA's), (105, 18976), (120, 19012), (138, 19051), (182, 19156), (287, 19333), (310, 19372), (312, 19375), (355, 19462), (357, 19483), (406, 19609), (445, 19681), (504, 19831), (507, 19840), (545, 19921),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 92

Candidate Starts for Zakai_17:

(Start: 92 @16068 has 316 MA's), (107, 16092), (120, 16122), (170, 16248), (216, 16320), (309, 16473), (310, 16476), (312, 16479), (328, 16509), (377, 16566), (389, 16590), (392, 16596), (450, 16665), (454, 16683), (461, 16704), (492, 16770), (514, 16833), (558, 16962), (560, 16974),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 63

Candidate Starts for Zarbodnamra_18:

(Start: 63 @15786 has 10 MA's), (Start: 68 @15792 has 23 MA's), (147, 15948), (184, 16029), (243, 16128), (317, 16236), (371, 16320), (492, 16521), (510, 16563),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 78

Candidate Starts for Zaria_17:

(Start: 78 @15861 has 9 MA's), (Start: 92 @15879 has 316 MA's), (107, 15903), (120, 15933), (125, 15948), (139, 15981), (216, 16125), (256, 16206), (310, 16281), (312, 16284), (316, 16290), (338, 16335), (368, 16362), (389, 16395), (392, 16401), (431, 16434), (439, 16443), (450, 16470), (497, 16590), (514, 16638), (549, 16704), (551, 16710), (558, 16749),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 25

Candidate Starts for Zavala_22:

(Start: 25 @15992 has 231 MA's), (57, 16109), (116, 16199), (124, 16220), (130, 16241), (143, 16268), (264, 16523), (317, 16604), (354, 16679), (362, 16694), (441, 16805), (455, 16847), (493, 16940), (501, 16964), (540, 17057), (552, 17096), (555, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 83

Candidate Starts for ZenTime222_18:

(Start: 83 @16018 has 11 MA's), (103, 16045), (111, 16063), (188, 16240), (189, 16243), (224, 16318), (260, 16384), (275, 16411), (310, 16468), (316, 16477), (466, 16714), (474, 16738), (517, 16837), (525, 16858), (536, 16879), (548, 16918), (551, 16927),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 92

Candidate Starts for ZhongYanYuan_16:

(Start: 92 @15899 has 316 MA's), (107, 15923), (120, 15953), (151, 16034), (170, 16079), (309, 16304), (310, 16307), (312, 16310), (328, 16340), (377, 16397), (392, 16427), (450, 16496), (454, 16514), (485, 16589), (492, 16601), (514, 16664), (529, 16691), (551, 16754), (558, 16793), (560, 16805),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 68

Candidate Starts for ZiggyZoo_17:

(Start: 63 @15577 has 10 MA's), (Start: 68 @15583 has 23 MA's), (147, 15739), (184, 15820), (243, 15919), (317, 16027), (371, 16111), (423, 16177), (451, 16222), (492, 16312), (510, 16354),

Gene: Zilla_18 Start: 15825, Stop: 16670, Start Num: 83

Candidate Starts for Zilla_18:

(Start: 65 @15810 has 14 MA's), (Start: 83 @15825 has 11 MA's), (132, 15927), (147, 15966), (184, 16047), (231, 16131), (243, 16146), (317, 16254), (371, 16338), (423, 16404), (427, 16410), (492, 16539), (501, 16566), (510, 16581),

Gene: Zimmer_29 Start: 21369, Stop: 22385, Start Num: 92

Candidate Starts for Zimmer_29:

(Start: 92 @21369 has 316 MA's), (129, 21444), (138, 21462), (151, 21498), (163, 21537), (287, 21744), (310, 21783), (312, 21786), (504, 22242),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 59

Candidate Starts for Zipp_33:

(Start: 59 @29867 has 25 MA's), (118, 29954), (129, 29990), (145, 30026), (221, 30182), (223, 30185), (263, 30254), (308, 30317), (314, 30326), (366, 30416), (385, 30449), (386, 30452), (457, 30605), (471, 30647), (483, 30668), (496, 30695), (503, 30716), (507, 30725), (509, 30731), (521, 30764), (522, 30767), (544, 30812), (546, 30821), (551, 30833),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 59

Candidate Starts for Zitch_35:

(Start: 59 @27751 has 25 MA's), (112, 27826), (118, 27838), (129, 27874), (145, 27910), (191, 28012), (221, 28066), (263, 28138), (268, 28144), (308, 28201), (314, 28210), (343, 28267), (366, 28300), (385, 28333), (386, 28336), (457, 28489), (468, 28522), (471, 28531), (483, 28552), (496, 28579), (503, 28600), (507, 28609), (509, 28615), (521, 28648), (522, 28651), (546, 28705), (551, 28717),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for ZoMa_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Zodiariah_17 Start: 15097, Stop: 16167, Start Num: 50

Candidate Starts for Zodiariah_17:

(Start: 50 @15097 has 1 MA's), (54, 15106), (114, 15199), (130, 15241), (151, 15289), (221, 15457), (232, 15481), (233, 15487), (279, 15559), (284, 15568), (286, 15571), (377, 15721), (390, 15748), (408, 15790), (437, 15838), (493, 15985), (511, 16030), (512, 16033), (525, 16063), (539, 16093), (540, 16099), (551, 16135), (552, 16138),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 27

Candidate Starts for ZoeJ_18:

(Start: 27 @13830 has 11 MA's), (31, 13839), (57, 13941), (116, 14031), (130, 14073), (131, 14076), (143, 14100), (186, 14199), (214, 14262), (231, 14301), (264, 14355), (316, 14433), (353, 14508), (398, 14586), (423, 14604), (441, 14634), (455, 14676), (456, 14679), (493, 14769), (501, 14793), (536, 14871), (540, 14886), (552, 14925), (555, 14943),

Gene: Zolita_22 Start: 18827, Stop: 19840, Start Num: 98

Candidate Starts for Zolita_22:

(Start: 98 @18827 has 85 MA's), (138, 18923), (150, 18956), (151, 18959), (163, 18998), (189, 19046), (287, 19199), (297, 19217), (312, 19241), (333, 19283), (459, 19595), (504, 19697), (513, 19724),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 25

Candidate Starts for Zombie_17:

(4, 15144), (Start: 25 @15477 has 231 MA's), (57, 15597), (74, 15615), (104, 15660), (105, 15666), (129, 15729), (145, 15765), (173, 15834), (176, 15837), (186, 15858), (210, 15912), (231, 15957), (252, 15987), (316, 16089), (322, 16101), (328, 16113), (336, 16131), (423, 16296), (441, 16326), (449, 16344), (455, 16368), (502, 16488), (540, 16578), (550, 16611),

Gene: Zulu_30 Start: 18957, Stop: 19973, Start Num: 92

Candidate Starts for Zulu_30:

(Start: 92 @18957 has 316 MA's), (105, 18975), (120, 19011), (138, 19050), (182, 19155), (287, 19332), (310, 19371), (312, 19374), (355, 19461), (357, 19482), (406, 19608), (445, 19680), (504, 19830), (507, 19839), (545, 19920),