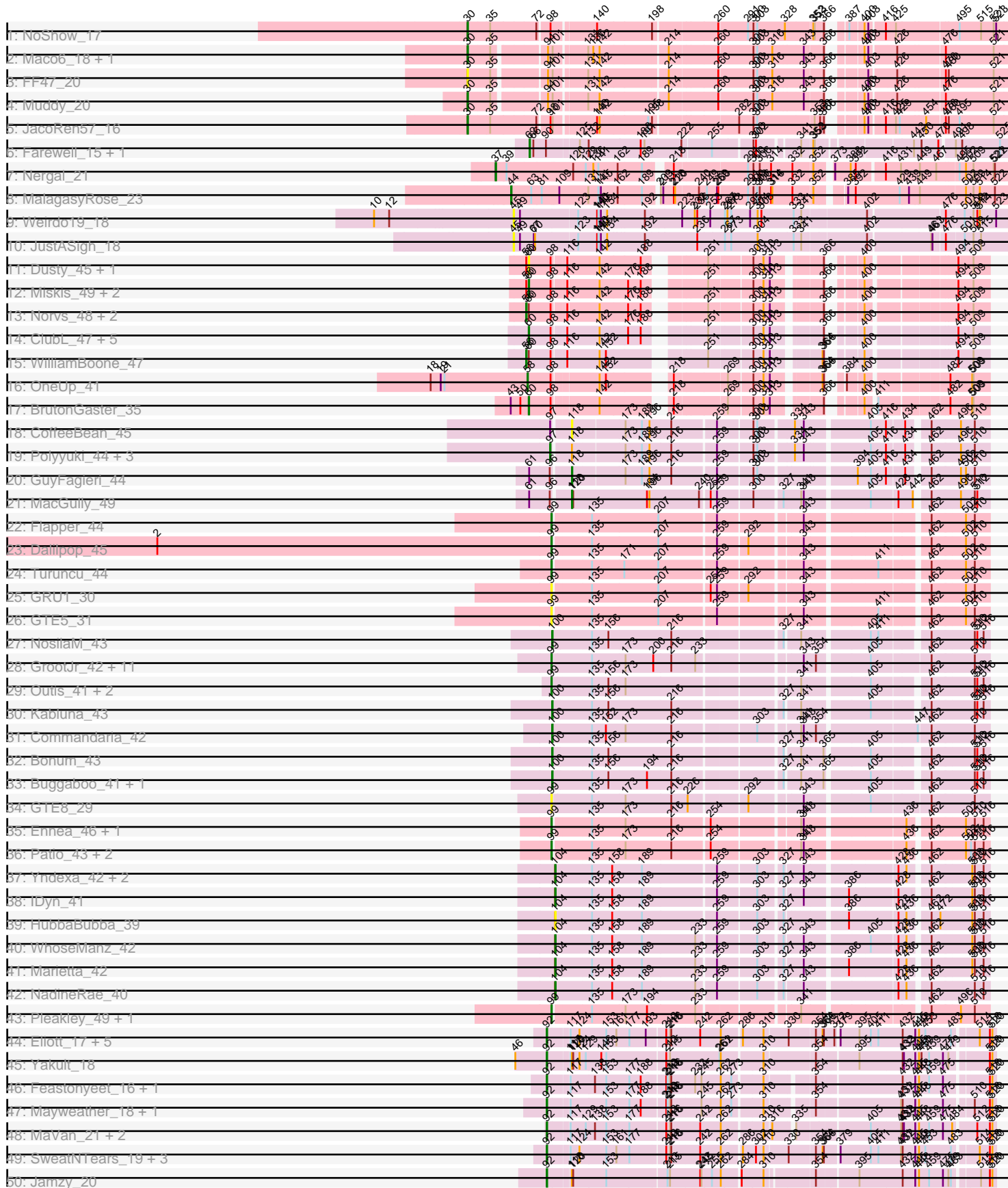
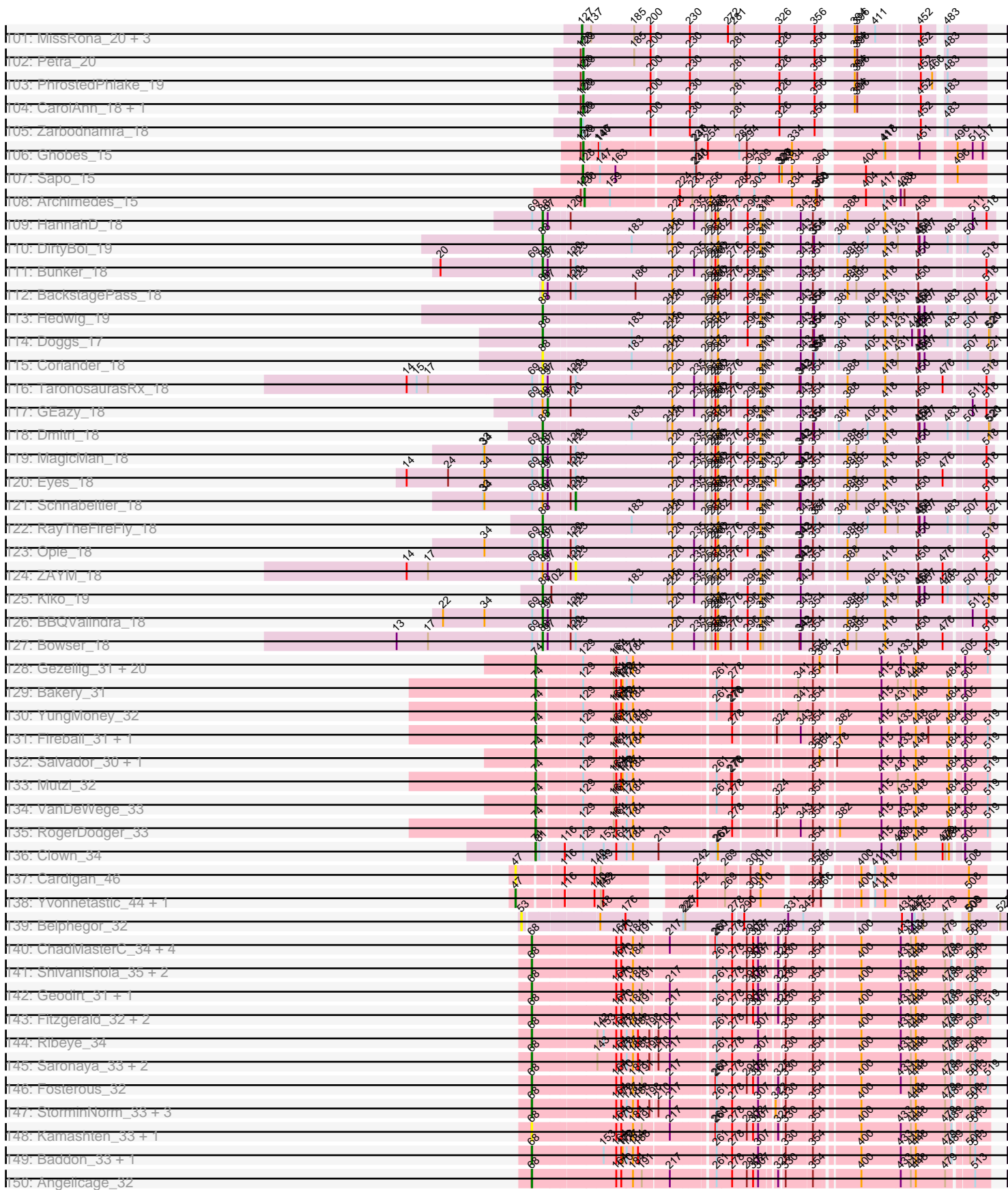


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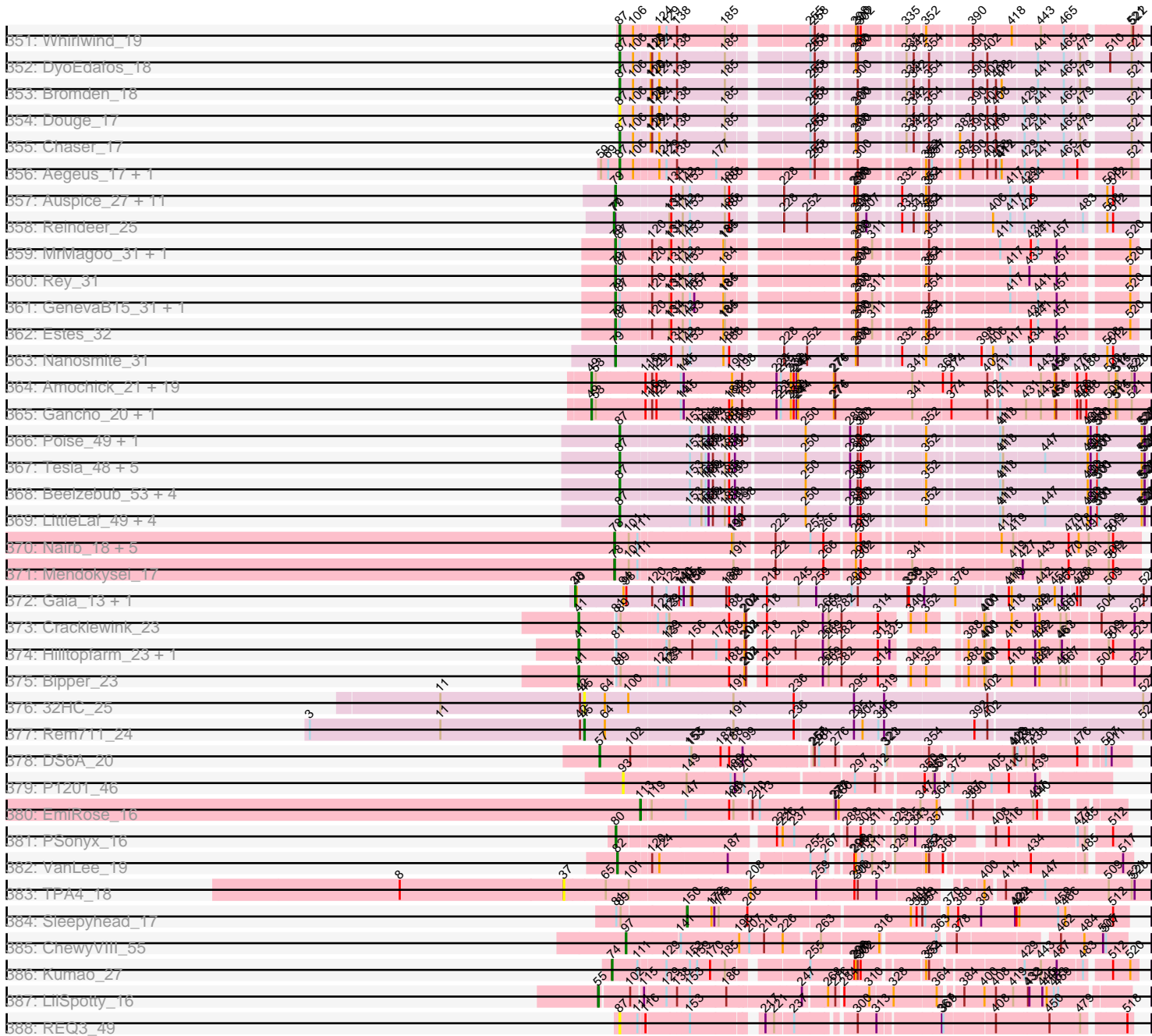
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501: Juliette_23 + 2	23	43	54	101	116	186	231	239	276	300	311	328	366	384	400	416	456	514	523
502: Omnicron_20	23			101	116	186	231	239	276	300	311	328	366	384	400	416		514	523
503: invictusVlaneo_20 + 2	23			101	116	186	231	239	276	300	311	328	366	384	400	416	460	514	523
504: AlleyCat_20 + 3	23			101	116	186	231	239	276	300	311	328	366	384	400	416		514	523
505: Hellyboy_20 + 2	23			101	116	186	231	239	276	300	311	328	366	384	400	416		514	523
506: Miryou_20 + 1	23			101	116	186	231	239	276	300	311	328	366	384	400	416		514	523
507: Gumsminger_20 + 2	23			101	116	186	231	239	276	300	311	328	366	384	400	416		514	523
508: Waterfoul_20 + 1	23	65	101	116	141	186	231	239	276	300	311	328	366	384	400	416		514	523
509: Rando14_20	23			101	116	186	231	239	276	300	311	328	366	384	400	416	460	514	523
510: Dadosky_20	23			101	116	186	231	239	276	300	311	328	366	384	400	416		514	523
511: UKIRoe_20	23			101	116	186	231	239	276	300	311	328	366	384	400	416	460	514	523
512: Kratio_19	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
513: Phrank_21 + 3	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
514: Amgine_20	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
515: Shadow1_20 + 1	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
516: Ekollam_19	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
517: Amohnton_21	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
518: Unicorn_21 + 1	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
519: Krueger_21	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
520: Elle_19 + 1	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
521: Marshawn_23	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
522: Hammy_21 + 1	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
523: Syra333_21	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
524: TCliff_22	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
525: Ximenita_22	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
526: Yuna_22	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
527: SirPhilp_21	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
528: Aminay_20	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
529: Bollgate_19	23	54	92	116	141	186	231	239	276	300	311	328	366	384	400	416	460	514	523
530: Wyatt2_17 + 1	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
531: Helena_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
532: MAckerman_17 + 3	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
533: Cam_17 + 3	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
534: Appletree2_17 + 1	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
535: Tyson_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
536: OPIE_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
537: DirkDirk_17 + 2	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
538: Wamburgxpress_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
539: Faith1_17 + 17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
540: Wiggiewiggle_17 + 5	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
541: ZhongYanYuan_16 + 2	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
542: Bazzie_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
543: GuuetaD_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
544: Halay_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
545: Archie_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
546: Tourach_17	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
547: Finnry_18 + 3	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
548: MimiMac_18 + 2	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
549: MsGreen_18 + 8	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451
550: DuncansLeg_18 + 1	23	78	100	120	151	171	211	231	252	271	291	311	331	351	371	391	411	431	451

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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 157452 Report

This analysis was run 04/13/24 on database version 558.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 157452 has 848 members, 94 are drafts.

Phages represented in each track:

- Track 1 : NoShow_17
- Track 2 : Maco6_18, 8UZL_20
- Track 3 : FF47_20
- Track 4 : Muddy_20
- Track 5 : JacoRen57_16
- Track 6 : Farewell_15, Sparky_15
- Track 7 : Nergal_21
- Track 8 : MalagasyRose_23
- Track 9 : Weirido19_18
- Track 10 : JustASigh_18
- Track 11 : Dusty_45, Abscondus_46
- Track 12 : Miskis_49, Lozinak_47, Engineer_48
- Track 13 : Norvs_48, Smoothie_48, Culver_47
- Track 14 : ClubL_47, Aphelion_47, Bachita_49, Toniann_47, PhinkBoden_47, Cucurbita_49
- Track 15 : WilliamBoone_47
- Track 16 : OneUp_41
- Track 17 : BrutonGaster_35
- Track 18 : CoffeeBean_45
- Track 19 : Polyuyuki_44, Apiary_44, Braxoaddie_44, Maselop_44
- Track 20 : GuyFagieri_44
- Track 21 : MacGully_49
- Track 22 : Flapper_44
- Track 23 : Dalilpop_45
- Track 24 : Turuncu_44
- Track 25 : GRU1_30
- Track 26 : GTE5_31
- Track 27 : NosilaM_43
- Track 28 : GrootJr_42, Wheezy_40, Emianna_40, Jifall16_39, Kurt_40, Tracker_40, Arti_40, NatB6_40, KidneyBean_40, Phomeo_39, Foxboro_41, NovumRegina_40
- Track 29 : Outis_41, MerCougar_41, StarStruck_41
- Track 30 : Kabluna_43
- Track 31 : Commandaria_42

- Track 32 : Bonum_43
- Track 33 : Buggaboo_41, SuperSulley_41
- Track 34 : GTE8_29
- Track 35 : Ennea_46, Lollipop1437_45
- Track 36 : Patio_43, Skysand_42, Float294_42
- Track 37 : Yndexa_42, BiPauneto_43, Sukkupi_42
- Track 38 : IDyn_41
- Track 39 : HubbaBubba_39
- Track 40 : WhoseManz_42
- Track 41 : Marietta_42
- Track 42 : NadineRae_40
- Track 43 : Pleakley_49, Fury_49
- Track 44 : Elliott_17, PsychoKiller_17, Burnsey_17, Cozz_17, Sopespian_17, GoldHunter_18
- Track 45 : Yakult_18
- Track 46 : Feastonyeet_16, BigChungus_16
- Track 47 : Mayweather_18, Pons_17
- Track 48 : MaVan_21, Survivors_19, Zareef_21
- Track 49 : SweatNTears_19, SketchMex_16, Biskit_18, Buttrmlkdreams_17
- Track 50 : Jamzy_20
- Track 51 : PotPie_18, SummitAcademy_16, Lauer_16
- Track 52 : Dre3_17, Gibbous_17
- Track 53 : HippoPololi_19
- Track 54 : RedBaron_18, Agatha_17, Axym_17, Nina_18, Quasar_17, Typhonomachy_18
- Track 55 : AndPeggy_16, SteamedHams_19, Yarn_16, BillDoor_19, Tolls_19
- Track 56 : Amok_16
- Track 57 : AikoCarson_16, Emalyn_16
- Track 58 : Button_18
- Track 59 : SheckWes_16
- Track 60 : KayGee_16, Elinal_18
- Track 61 : MScarn_19
- Track 62 : GTE2_15
- Track 63 : Azira_19
- Track 64 : Margaret_20
- Track 65 : Nodigi_19
- Track 66 : Hexbug_19
- Track 67 : Cleo_17
- Track 68 : MAnor_17
- Track 69 : Nibbles_19
- Track 70 : Troje_17, Horseradish_18, Yummy_18
- Track 71 : Fribs8_18
- Track 72 : Vine_18
- Track 73 : CherryonLim_18
- Track 74 : Orla_19
- Track 75 : MunkgeeRoachy_18
- Track 76 : GiKK_20
- Track 77 : Goib_22
- Track 78 : Banquo_25, TinaLin_24
- Track 79 : Huffy_23, DinoDaryn_23, TZGordon_23
- Track 80 : Vendetta_21, Splinter_21
- Track 81 : Gspu1_19
- Track 82 : Dardanus_23

- Track 83 : Schmidt_19
- Track 84 : Catfish_21
- Track 85 : Malachai_19, Begonia_19
- Track 86 : Jalamah_20, Samba_18
- Track 87 : MintFen_18, JasperJr_18, BlingBling_18, Utz_18
- Track 88 : Archis_19
- Track 89 : Barco_18, Guacamole_18, Melba_18
- Track 90 : Wisp_17
- Track 91 : Lysidious_19
- Track 92 : JuJu_18
- Track 93 : KappaFarmDelta_18
- Track 94 : PCoral7_18, William_18, PrincePatrick_18, Fairfaxidum_18, Toast_18
- Track 95 : Murp_18
- Track 96 : Fenry_17
- Track 97 : UmaThurman_18, CaptainKirk2_18, Mellie_17, Hitter_18, Obliviate_17, ZiggyZoo_17, Delian_18, Walrus_19
- Track 98 : Wocket_19
- Track 99 : Pipp_18
- Track 100 : Frokostdame_18
- Track 101 : MissRona_20, Gambino_20, Azula_20, Blueberry_20
- Track 102 : Petra_20
- Track 103 : PhrostedPhlake_19
- Track 104 : CarolAnn_18, Blino_18
- Track 105 : Zarbodnamra_18
- Track 106 : Ghobes_15
- Track 107 : Sapo_15
- Track 108 : Archimedes_15
- Track 109 : HannahD_18
- Track 110 : DirtyBoi_19
- Track 111 : Bunker_18
- Track 112 : BackstagePass_18
- Track 113 : Hedwig_19
- Track 114 : Doggs_17
- Track 115 : Coriander_18
- Track 116 : TaronosaurusRx_18
- Track 117 : GEazy_18
- Track 118 : Dmitri_18
- Track 119 : MagicMan_18
- Track 120 : Eyes_18
- Track 121 : Schnabeltier_18
- Track 122 : RayTheFireFly_18
- Track 123 : Opie_18
- Track 124 : ZAYM_18
- Track 125 : Kiko_19
- Track 126 : BBQValindra_18
- Track 127 : Bowser_18
- Track 128 : Gezellig_31, Valary_33, Nubi_30, Togo_30, Danyall_32, Phlop_30, Savbucketdawg_30, Portcullis_30, Wizard_30, PullumCavea_30, KimmyK_32, SmokingBunny_30, Fugax_32, PinkCoffee_32, Shinji_30, Barb_32, Twister6_32, Arri_33, ClamChowder_32, Jambalaya_30, Halo3_31
- Track 129 : Bakery_31
- Track 130 : YungMoney_32
- Track 131 : Fireball_31, TillyBobJoe_30

- Track 132 : Salvador_30, Evamon_30
- Track 133 : Mutzi_32
- Track 134 : VanDeWege_33
- Track 135 : RogerDodger_33
- Track 136 : Clown_34
- Track 137 : Cardigan_46
- Track 138 : Yvonnestic_44, JonJames_46
- Track 139 : Belphegor_32
- Track 140 : ChadMasterC_34, McKinley_36, Rofo_34, Vivi2_36, Paries_36
- Track 141 : Shivanishola_35, Sedona_34, Affeca_32
- Track 142 : Geodirt_31, Kewpiedoll_33
- Track 143 : Fitzgerald_32, BobBob_31, Charming_34
- Track 144 : Ribeye_34
- Track 145 : Saronaya_33, Gustavo_33, Tangerine_33
- Track 146 : Fosterous_32
- Track 147 : StorminNorm_33, Ashertheman_34, SchottB_32, Baumdotcom_33
- Track 148 : Kamashten_33, Thing3_33
- Track 149 : Baddon_33, Derg_31
- Track 150 : Angelicage_32
- Track 151 : Keitabear_34
- Track 152 : Nordenberg_28, Brandonk123_35
- Track 153 : LilHam_31
- Track 154 : Lennon_34, Sitar_34
- Track 155 : Kroos_34, Bizzy_34, Tycho_33, Kwobi_34
- Track 156 : Gaea_33
- Track 157 : JKSyngboy_31
- Track 158 : Flatwoods_34, YorkOnyx_34
- Track 159 : Ailee_32, Sanjuju_32, Barsten_34, Jabberwocky_32
- Track 160 : Tangent_34, Galadriel_34, Stultus_32
- Track 161 : Bibwit_33
- Track 162 : Love_37
- Track 163 : RiverRaider_35
- Track 164 : MoontowerMania_33
- Track 165 : EMOore_30
- Track 166 : Hans_34, Ali17_30, Phauci_25, Inspectinfecti_33
- Track 167 : MelBins_33
- Track 168 : Leonard_32, Phinally_32
- Track 169 : Twonlo_29, Dxdert_32
- Track 170 : RoadKill_29
- Track 171 : GTE6_31
- Track 172 : Kwekel_31
- Track 173 : Tiamoceli_32, EdmundFerry_30, Chickadee_31
- Track 174 : Natkenzie_34, Sampson_34, Scioto_34, Abblin_34
- Track 175 : Zipp_33, DoctorFroggo_33, Verity_33, Delrey21_33
- Track 176 : APunk_35
- Track 177 : Tardus_35
- Track 178 : ViaConlectus_34
- Track 179 : Zitch_35
- Track 180 : Lilbeanie_29
- Track 181 : Parada_21, Brylie_21, Mulch_21, NancyRae_21, WheatThin_21, BetterKatz_21, Nadeem_21
- Track 182 : DelRio_22
- Track 183 : Ayotoya_21, Hamood_21, Chop_21, GrandSlam_21

- Track 184 : Bock_21
- Track 185 : Pimento_21
- Track 186 : Francois_21
- Track 187 : GodonK_88
- Track 188 : Phendrix_86
- Track 189 : Bantam_29
- Track 190 : SpeedDemon_310
- Track 191 : DatBoi_30
- Track 192 : Daredevil_28
- Track 193 : Mollymur_30
- Track 194 : Malisha_20
- Track 195 : CheeseTouch_19
- Track 196 : Phabuloso_19, Holliday_19, Lutum_19
- Track 197 : Kenna_18, LitninMcQueen_19, Budski_19, Kamaru_19
- Track 198 : Getalong_20, Periwinkle_21, Horus_19, Whitney_20
- Track 199 : BENtherdunthat_19, Frickyeah_19, Asapag_19
- Track 200 : Phistory_20
- Track 201 : Leroy_19
- Track 202 : Spooky_19
- Track 203 : Squiddly_21
- Track 204 : Crater_17, Apricot_18
- Track 205 : Volt_54, Fryberger_52, Ziko_55
- Track 206 : Ronaldo_55
- Track 207 : Keelan_50
- Track 208 : Guey18_57
- Track 209 : Forza_100, Mareelih_98, BlueNGold_99, Boopy_100
- Track 210 : Sixama_98
- Track 211 : GMA2_29
- Track 212 : Vordorf_21
- Track 213 : Ewald_21
- Track 214 : Dogfish_20
- Track 215 : Nyceirae_22
- Track 216 : Meyran_20
- Track 217 : Phishy_21
- Track 218 : Octobien14_27
- Track 219 : Sephiroth_27, Syleon_27
- Track 220 : Kudetre_26
- Track 221 : Neville_27
- Track 222 : Trax_27
- Track 223 : Rabbitrun_29
- Track 224 : DumpsterDude_18
- Track 225 : Ruthy_18
- Track 226 : Morgana_18
- Track 227 : Cafasso_18
- Track 228 : Aleemily_18
- Track 229 : ObLaDi_18
- Track 230 : ModicumRichard_18
- Track 231 : PeteyPab_32, Darwin_33, Zion_33, PotatoChip_33
- Track 232 : Cruella_30, C3PO_30
- Track 233 : Kimchi1738_30
- Track 234 : Stickynote_32
- Track 235 : Arianna_18
- Track 236 : Poushou_18, TouchMeNot_18, Colleen_18

- Track 237 : Blarby_19
- Track 238 : Demsculpinboyz_18
- Track 239 : Avani_18, Zapner_19, Jabbawokkie_20
- Track 240 : Soul22_18
- Track 241 : Che9d_18
- Track 242 : Yoshi_18
- Track 243 : PinkYoshi_17, Jolene_17, CassieYates_17, Angel_17, OctaviousRex_17, ECartman_17, Hotshotbaby7_17, Periodt_17, Sizemore_17, Schiebel_17, Cherrybomb426_17, Hope_17, Marmie_17, Cedasite_17, Renaissance_17, Gideon_17, BPs_17, ZoMa_17, BQuat_17, Coleslaw_17, DMoney_17, DNAIII_0017, Aroostook_17, Phreak_17, Kareem_17, BruceB_17, Crespo_17, Darionha_17, CLED96_17, Frosty24_17, Gomashi_17, Remy19_17, TomBrady_17, Kasen3_17, Sweets_17, Halo_17, Mowgli_17, Chance64_17, Camri_17, JorRay_17, Annihilator_17, LouisV14_17, ShaboiShabazz_17, Jane_17, Zombie_17, Avrafan_17, Jonghyun_17, Phish_17, Olga_17, GoldenAsh_17
- Track 244 : Paito_17
- Track 245 : Taheera_17, Terror_17, Rabbs_17, Sneeze_17
- Track 246 : Barkley26_17
- Track 247 : Plagueis_17
- Track 248 : Liefie_17
- Track 249 : Grizzly_17
- Track 250 : Peeb_17
- Track 251 : Avocado_17, Cambiare_18
- Track 252 : FlagStaff_17
- Track 253 : Pace1224_17
- Track 254 : MOOREtheMARYer_17
- Track 255 : Pinnie_18
- Track 256 : Jolie2_17
- Track 257 : Lemuria_17
- Track 258 : Mercurio_18
- Track 259 : Antsirabe_17
- Track 260 : Stargaze_17
- Track 261 : Durfee_22, BaghaKamala_22, Joy99_22, Adonis_22, Zavala_22, HedwigODU_22, Dalmuri_22, Inky_22, TreyKay_22, BGIlluviae_22, Jeckyll_22, Veliki_22, Zabiza_23, Sulley_22, CREW_22, Ramen_22, Rapunzel97_22, Pokerus_21, ActinUp_22, Boiiii_22, Belladonna_22, CheetoDust_22, Peel_22, Jarvi_22, Angelica_22, Jayhawk_23, Mynx_22, Asayake_22, Ganymede_23, AlishaPH_22, Twitch_22, Emerson_22, CaseJules_22, BarrelRoll_22, Adephagia_22, Deby_22, Piatt_22, JAWS_22, Slimphazie_22, Prithvi_22, BEEST_22, Capricorn_22, YoureAdopted_21, Hyperbowlee_22, TruffulaTree_22, Beezoo_22, Spock_22, QuincyRose_21, CrimD_22, LindNT_22, Tiri_22, Tachez_22, Topper_22, Padpat_22, Blizzard_22, Atiba_22, ShiaSurprise_22, Homura_22, Padfoot_22, Llorens_22, Rosmarinus_22, Lunahalos_22
- Track 262 : LilPharaoh_18, Nutello_18, SgtBeansprout_18, Enkosi_18, Amelie_18, Binglebops_18, Mdavu_18, Nikao_18
- Track 263 : TiniBug_22, DrHayes_22, Urkel_22, SamuelLPlaqson_22
- Track 264 : Anaya_23
- Track 265 : Illumine_22, Devera_22, Dole_22
- Track 266 : Guanica15_22, Efra2_22, Yunkel11_22
- Track 267 : Geraldini_22, MeaningOfLife_22
- Track 268 : Curiosium_23
- Track 269 : LaterM_22, Murucutumbu_22
- Track 270 : Megsy_23, TaiwanKao_23

- Track 271 : LeMond_21, Oscar_21
- Track 272 : Shaobing_22, Peanam_22, Niklas_22
- Track 273 : Stinson_22, Ageofdapage_22
- Track 274 : LastHope_22
- Track 275 : MarkPheW_22
- Track 276 : Apocalypse_22
- Track 277 : Bella96_22
- Track 278 : Chris_21
- Track 279 : KiSi_21
- Track 280 : Validus_22
- Track 281 : Scarlett_21
- Track 282 : Nibb_21
- Track 283 : Findley_18, DismalStressor_18, DismalFunk_18, Milly_18, Marcoliusprime_18
- Track 284 : ZoeJ_18
- Track 285 : Strobilo_19
- Track 286 : BoostSeason_18, Mufasa_18
- Track 287 : TM4_18
- Track 288 : MacnCheese_22
- Track 289 : Pixie_21
- Track 290 : TBond007_21
- Track 291 : ShedlockHolmes_21
- Track 292 : Pharb_21
- Track 293 : TribbleTrouble_20
- Track 294 : Hurricane_21
- Track 295 : Keshu_21
- Track 296 : Fionnbharth_23, JF1_23, Wintermute_23, Malthus_24, Y10_23, Y2_23
- Track 297 : SamScheppers_21, OmniCritical_23, Taquito_21, Mitti_23
- Track 298 : Reptar3000_23
- Track 299 : MissDaisy_23, Patt_23
- Track 300 : Slarp_23, Cheetobro_23, Chancellor_23
- Track 301 : Juliette_23, Ruthiejr_22, Eponine_23
- Track 302 : Omnicron_20
- Track 303 : InvictusManeo_20, Agent47_20, Collard_20
- Track 304 : AlleyCat_20, Edugator_19, Psycho_20, Larva_20
- Track 305 : Heftyboy_20, Gengar_20, SoSeph_20
- Track 306 : Miryou_20, Thyatira_20
- Track 307 : Guillsminger_20, Leston_20, Paola_20
- Track 308 : Waterfoul_20, Feyre_20
- Track 309 : Rando14_20
- Track 310 : Dadosky_20
- Track 311 : OkiRoe_20
- Track 312 : Kratio_19
- Track 313 : Phrank_21, Bryler_21, Cain_21, Tierra_21
- Track 314 : Amgine_20
- Track 315 : Shadow1_20, Sunflower1121_20
- Track 316 : Ekdilam_19
- Track 317 : Amohnition_21
- Track 318 : Unicorn_21, PhelpsODU_21
- Track 319 : Krueger_21
- Track 320 : Ellie_19, Fefferhead_21
- Track 321 : Marshawn_23
- Track 322 : Hammy_21, DarthP_21

- Track 323 : Syra333_21
- Track 324 : TClif_22
- Track 325 : Ximenita_22
- Track 326 : Yuna_22
- Track 327 : SirPhilip_21
- Track 328 : Aminay_20
- Track 329 : Boilgate_19
- Track 330 : Wyatt2_17, Acquire49_17
- Track 331 : Halena_17
- Track 332 : MAckerman_17, AvadaKedavra_17, Silverleaf_17, Rose5_17
- Track 333 : Calm_17, LeBron_17, Zaria_17, CicholasNage_17
- Track 334 : Appletree2_17, JoeDirt_17
- Track 335 : Tyson_17
- Track 336 : UPIE_17
- Track 337 : DirkDirk_17, OhShagHennessy_17, Enceladus_17
- Track 338 : Wamburgexpress_17
- Track 339 : Faith1_17, DrSeegs_17, Zakai_17, Crossroads_17, Gabriela_17, Finemlucis_17, Itos_17, BigCheese_17, MkaliMinitis3_17, Breezona_17, Rumpelstiltskin_17, BobsGarage_17, LilDestine_17, Lewan_17, Netyap_17, Miley16_17, Vetrix_17, Winky_17
- Track 340 : Wigglewobble_17, Loadrie_17, Nicholasp3_17, Wilder_17, Gardann_17, Kahlid_17
- Track 341 : ZhongYanYuan_16, Baoshan_16, Claus_17
- Track 342 : Bazzle_17
- Track 343 : GuuelaD_17
- Track 344 : Hafay_17
- Track 345 : Archie_17
- Track 346 : Tourach_17
- Track 347 : Finnry_18, Bellis_18, Samty_18, Moostard_18
- Track 348 : MiniMac_18, Lolly9_18, MiniLon_18
- Track 349 : MsGreen_18, Jobypre_18, Jubie_18, Snenia_18, Krypton555_18, Kingsolomon_18, Clautastrophe_18, Nicholas_18, Lumos_18
- Track 350 : DuncansLeg_18, Ellson_18
- Track 351 : Whirlwind_19
- Track 352 : DyoEdafos_18
- Track 353 : Bromden_18
- Track 354 : Douge_17
- Track 355 : Chaser_17
- Track 356 : Aegeus_17, Baudelaire_17
- Track 357 : Auspice_27, LilhomieP_26, Glaske16_28, Bricole_27, IPhane7_27, Bongo_27, SlimJimmy_26, PegLeg_27, Diminimus_28, TyDawg_27, Skinny_28, Dulcita_28
- Track 358 : Reindeer_25
- Track 359 : MrMagoo_31, GardenSalsa_31
- Track 360 : Rey_31
- Track 361 : GenevaB15_31, Aziz_31
- Track 362 : Estes_32
- Track 363 : Nanosmite_31
- Track 364 : Amochick_21, Ein37_21, Amymech_21, Webster2_21, Giles_21, LilHazelNut_21, Hadrien_21, Forge_21, Kinbote_21, DeepSoil15_21, Evanesce_21, HH92_21, Wishmaker_21, Hail_21, Daegal_22, Dewey_21, Luke_21, Ubuntu_21, OBUpride_21, Luna22_21
- Track 365 : Gancho_20, Gravaillia_21

- Track 366 : Poise_49, Blackbeetle_49
- Track 367 : Tesla_48, Caprice_46, Gattaca_48, RedRaider77_49, MosMoris_47, Raela_49
- Track 368 : Beelzebub_53, Marvin_47, Pringar_49, VasuNzinga_49, JoieB_50
- Track 369 : LittleLaf_49, Huphlepuuff_51, Corazon_47, Clarkson_50, Lilbit_50
- Track 370 : Nairb_18, ZenTime222_18, Ibrahim_18, Bernal13_18, Whitty_18, RonRayGun_18
- Track 371 : Mendokysei_17
- Track 372 : Gaia_13, Nebkiss_14
- Track 373 : Cracklewink_23
- Track 374 : Hilltopfarm_23, Typha_23
- Track 375 : Bipper_23
- Track 376 : 32HC_25
- Track 377 : Rem711_24
- Track 378 : DS6A_20
- Track 379 : P1201_46
- Track 380 : EmiRose_16
- Track 381 : PSonyx_16
- Track 382 : VanLee_19
- Track 383 : TPA4_18
- Track 384 : Sleepyhead_17
- Track 385 : ChewyVIII_55
- Track 386 : Kumao_27
- Track 387 : LilSpotty_16
- Track 388 : REQ3_49

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

The start number called the most often in the published annotations is 28, it was called in 209 of the 754 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_22, Adephegia_22, Adonis_22, Ageofdapage_22, AlishaPH_22, Amelie_18, Amgine_20, Amohnition_21, Anaya_23, Angel_17, Angelica_22, Annihilator_17, Antsirabe_17, Apocalypse_22, Aroostook_17, Asayake_22, Atiba_22, Avrafan_17, BEEST_22, BGlluviae_22, BPs_17, BQuat_17, BaghaKamala_22, Barkley26_17, BarrelRoll_22, Beezoo_22, Bella96_22, Belladonna_22, Biglebops_18, Blizzard_22, Boiiii_22, BruceB_17, Bryler_21, CLED96_17, CREW_22, Cain_21, Camri_17, Capricorn_22, CaseJules_22, CassieYates_17, Cedasite_17, Chance64_17, Chancellor_23, CheetoDust_22, Cheetobro_23, Cherrybomb426_17, Chris_21, Coleslaw_17, Crespo_17, CrimD_22, Curiosium_23, DMoney_17, DNAIII_0017, Dalmuri_22, Darionha_17, DARTH_P_21, Deby_22, Devera_22, Dole_22, DrHayes_22, Durfee_22, ECartman_17, Efra2_22, Ekdilam_19, Ellie_19, Emerson_22, Enkosi_18, Eponine_23, Fefferhead_21, Fionnbharth_23, Frosty24_17, Ganymede_23, Geraldini_22, Gideon_17, GoldenAsh_17, Gomashi_17, Grizzly_17, Guanica15_22, Halo_17, Hammy_21, HedwigODU_22, Homura_22, Hope_17, Hotshotbaby7_17, Hurricane_21, Hyperbowlee_22, Illumine_22, Inky_22, JAWS_22, JF1_23, Jane_17, Jarvi_22, Jayhawk_23, Jeckyll_22, Jolene_17, Jolie2_17, Jonghyun_17, JorRay_17, Joy99_22, Juliette_23, Kareem_17, Kasen3_17, Keshu_21, KiSi_21, Krueger_21, LastHope_22, LaterM_22,

LeMond_21, Lemuria_17, Liefie_17, LilPharaoh_18, LindNT_22, Llorens_22, LouisV14_17, Lunahalos_22, MOOREtheMARYer_17, MacnCheese_22, Malthus_24, MarkPhew_22, Marmie_17, Marshawn_23, Mdavu_18, MeaningOfLife_22, Megsy_23, Mercurio_18, MissDaisy_23, Mitti_23, Mowgli_17, Murucutumbu_22, Mynx_22, Nibb_21, Nikao_18, Niklas_22, Nutello_18, OctaviousRex_17, Olga_17, OmniCritical_23, Oscar_21, Padfoot_22, Padpat_22, Paito_17, Patt_23, Peanam_22, Peeb_17, Peel_22, Periodt_17, Pharb_21, PhelpsODU_21, Phish_17, Phrank_21, Phreak_17, Piatt_22, PinkYoshi_17, Pinnie_18, Pixie_21, Plagueis_17, Pokerus_21, Prithvi_22, QuincyRose_21, Rabbs_17, Ramen_22, Rapunzel97_22, Remy19_17, Renaissance_17, Reptar3000_23, Rosmarinus_22, Ruthiejr_22, SamScheppers_21, SamuelLPlaqson_22, Scarlett_21, Schiebel_17, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22, ShedlockHolmes_21, ShiaSurprise_22, SirPhilip_21, Sizemore_17, Slarp_23, Slimphazie_22, Sneeze_17, Spock_22, Stargaze_17, Stinson_22, Sulley_22, Sunflower1121_20, Sweets_17, Syra333_21, TBond007_21, TClif_22, Tachez_22, Taheera_17, TaiwanKao_23, Taquito_21, Terror_17, Tierra_21, TiniBug_22, Tiri_22, TomBrady_17, Topper_22, TreyKay_22, TripleTrouble_20, TruffulaTree_22, Twitch_22, Unicorn_21, Urkel_22, Validus_22, Veliki_22, Wintermute_23, Ximenita_22, Y10_23, Y2_23, YoureAdopted_21, Yuna_22, Yunkel11_22, Zabiza_23, Zavala_22, ZoMa_17, Zombie_17,

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

- FlagStaff_17, Pace1224_17,

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

- 32HC_25, 8UZL_20, APunk_35, Abblin_34, Abscondus_46, Acquire49_17, Aegeus_17, Affeca_32, Agatha_17, Agent47_20, AikoCarson_16, Ailee_32, Aleemily_18, Ali17_30, AlleyCat_20, Aminay_20, Amochick_21, Amok_16, Amymech_21, AndPeggy_16, Angelicage_32, Aphelion_47, Apiary_44, Appletree2_17, Apricot_18, Archie_17, Archimedes_15, Archis_19, Arianna_18, Arri_33, Arti_40, Asapag_19, Ashertheman_34, Auspice_27, AvadaKedavra_17, Avani_18, Avocado_17, Axym_17, Ayotoya_21, Azira_19, Aziz_31, Azula_20, BBQValindra_18, BENTherdunthat_19, Bachita_49, BackstagePass_18, Baddon_33, Bakery_31, Banquo_25, Bantam_29, Baoshan_16, Barb_32, Barco_18, Barsten_34, Baudelaire_17, Baumdotcom_33, Bazzle_17, Beelzebub_53, Begonia_19, Bellis_18, Belphegor_32, Bernal13_18, BetterKatz_21, BiPauneto_43, Bibwit_33, BigCheese_17, BigChungus_16, BillDoor_19, Bipper_23, Biskit_18, Bizzy_34, Blackbeetle_49, Blarby_19, BlingBling_18, Blino_18, BlueNGold_99, Blueberry_20, BobBob_31, BobsGarage_17, Bock_21, Boilgate_19, Bongo_27, Bonum_43, Boopy_100, BoostSeason_18, Bowser_18, Brandonk123_35, Braxoaddie_44, Breezona_17, Bricole_27, Bromden_18, BrutonGaster_35, Brylie_21, Budski_19, Buggaboo_41, Bunker_18, Burnsey_17, Button_18, Buttrmlkdreams_17, C3PO_30, Cafasso_18, Calm_17, Cambiare_18, Caprice_46, CaptainKirk2_18, Cardigan_46, CarolAnn_18, Catfish_21, ChadMasterC_34, Charming_34, Chaser_17, Che9d_18, CheeseTouch_19, CherryonLim_18, ChewyVIII_55, Chickadee_31, Chop_21, CicholasNage_17, ClamChowder_32, Clarkson_50, Claus_17, Clautastrophe_18, Cleo_17, Clown_34, ClubL_47, CoffeeBean_45, Collard_20, Colleen_18, Commandaria_42, Corazon_47, Coriander_18, Cozz_17, Cracklewink_23, Crater_17, Crossroads_17, Cruella_30, Cucurbita_49, Culver_47, DS6A_20, Dadosky_20, Daegal_22, Dalilpop_45, Danyall_32, Dardanus_23, Daredevil_28, Darwin_33, DatBoi_30, DeepSoil15_21, DelRio_22, Delian_18, Delrey21_33, Demsculpinboyz_18, Derg_31, Dewey_21, Dextert_32, Diminimus_28, DinoDaryn_23, DirkDirk_17, DirtyBoi_19, DismalFunk_18, DismalStressor_18,

Dmitri_18, DoctorFroggo_33, Dogfish_20, Doggs_17, Douge_17, DrSeegs_17, Dre3_17, Dulcita_28, DumpsterDude_18, DuncansLeg_18, Dusty_45, DyoEdafos_18, EMOore_30, EdmundFerry_30, Edugator_19, Ein37_21, Elinal_18, Elliott_17, Ellson_18, Emalyn_16, EmiRose_16, Emianna_40, Enceladus_17, Engineer_48, Ennea_46, Estes_32, Evamon_30, Evanesce_21, Ewald_21, Eyes_18, FF47_20, Fairfaxidum_18, Faith1_17, Farewell_15, Feastonyeet_16, Ferry_17, Feyre_20, Findley_18, Finemlucis_17, Finnry_18, Fireball_31, Fitzgerald_32, Flapper_44, Flatwoods_34, Float294_42, Forge_21, Forza_100, Fosterous_32, Foxboro_41, Francois_21, Fribs8_18, Frickyeah_19, Frokostdame_18, Fryberger_52, Fugax_32, Fury_49, GEazy_18, GMA2_29, GRU1_30, GTE2_15, GTE5_31, GTE6_31, GTE8_29, Gabriela_17, Gaea_33, Gaia_13, Galadriel_34, Gambino_20, Gancho_20, Gardann_17, GardenSalsa_31, Gattaca_48, GenevaB15_31, Gengar_20, Geodirt_31, Getalong_20, Gezellig_31, Ghobes_15, GiKK_20, Gibbous_17, Giles_21, Glaske16_28, GodonK_88, Goib_22, GoldHunter_18, GrandSlam_21, Gravallia_21, GrootJr_42, Gspu1_19, Guacamole_18, Guey18_57, Guillsminger_20, Gustavo_33, GuuelaD_17, GuyFagieri_44, HH92_21, Hadrien_21, Hafay_17, Hail_21, Halena_17, Halo3_31, Hamood_21, HannahD_18, Hans_34, Hedwig_19, Heftyboy_20, Hexbug_19, Hilltopfarm_23, HippoPololi_19, Hitter_18, Holliday_19, Horseradish_18, Horus_19, HubbaBubba_39, Huffy_23, Huphlepuuff_51, IDyn_41, IPHane7_27, Ibrahim_18, Inspectinfecti_33, InvictusManeo_20, Itos_17, JKSyngboy_31, Jabbawokkie_20, Jabberwocky_32, JacoRen57_16, Jalammah_20, Jambalaya_30, Jamzy_20, JasperJr_18, Jifall16_39, Jobypre_18, JoeDirt_17, JoieB_50, JonJames_46, JuJu_18, Jubie_18, JustASigh_18, Kabluna_43, Kahlid_17, Kamaru_19, Kamashten_33, KappaFarmDelta_18, KayGee_16, Keelan_50, Keitabear_34, Kenna_18, Kewpiedoll_33, KidneyBean_40, Kiko_19, Kimchi1738_30, KimmyK_32, Kinbote_21, Kingsolomon_18, Kratio_19, Kroos_34, Krypton555_18, Kudrefre_26, Kumao_27, Kurt_40, Kwekel_31, Kwobi_34, Larva_20, Lauer_16, LeBron_17, Lennon_34, Leonard_32, Leroy_19, Leston_20, Lewan_17, LilDestine_17, LilHam_31, LilHazelNut_21, LilSpotty_16, Lilbeanie_29, Lilbit_50, LilhomieP_26, LitninMcQueen_19, LittleLaf_49, Loadrie_17, Lollipop1437_45, Lolly9_18, Love_37, Lozinak_47, Luke_21, Lumos_18, Luna22_21, Lutum_19, Lysidious_19, MAckerman_17, MAnor_17, MScarn_19, MaVan_21, MacGully_49, Maco6_18, MagicMan_18, Malachai_19, MalagasyRose_23, Malisha_20, Marcoliusprime_18, Mareelih_98, Margaret_20, Marietta_42, Marvin_47, Maselop_44, Mayweather_18, McKinley_36, MelBins_33, Melba_18, Mellie_17, Mendokysei_17, MerCougar_41, Meyran_20, Miley16_17, Milly_18, MiniLon_18, MiniMac_18, MintFen_18, Miryou_20, Miskis_49, MissRona_20, MkaliMitinis3_17, ModicumRichard_18, Mollymur_30, MoontowerMania_33, Moostard_18, Morgana_18, MosMoris_47, MrMagoo_31, MsGreen_18, Muddy_20, Mufasa_18, Mulch_21, MunkgeeRoachy_18, Murp_18, Mutzi_32, Nadeem_21, NadineRae_40, Nairb_18, NancyRae_21, Nanosmite_31, NatB6_40, Natkenzie_34, Nebkiss_14, Nergal_21, Netyap_17, Neville_27, Nibbles_19, Nicholas_18, Nicholasp3_17, Nina_18, NoShow_17, Nodigi_19, Nordenberg_28, Norvs_48, NosilaM_43, NovumRegina_40, Nubi_30, Nyceirae_22, OBUpride_21, ObLaDi_18, Obliviate_17, Octobien14_27, OhShagHennessy_17, OkiRoe_20, Omnicron_20, OneUp_41, Opie_18, Orla_19, Outis_41, P1201_46, PCoral7_18, PSonyx_16, Paola_20, Parada_21, Paries_36, Patio_43, PegLeg_27, Periwinkle_21, PeteyPab_32, Petra_20, Phabuloso_19, Phauci_25, Phendrix_86, Phinally_32, PhinkBoden_47, Phishy_21, Phistory_20, Phlop_30, Phomeo_39, PhrostedPhlake_19, Pimento_21, PinkCoffee_32, Pipp_18, Pleakley_49, Poise_49, Polyyuki_44, Pons_17, Portcullis_30, PotPie_18, PotatoChip_33, Poushou_18, PrincePatrick_18, Pringar_49, PsychoKiller_17, Psycho_20, PullumCavea_30, Quasar_17, REQ3_49, Rabbitrun_29, Raela_49, Rando14_20, RayTheFireFly_18, RedBaron_18,

RedRaider77_49, Reindeer_25, Rem711_24, Rey_31, Ribeye_34, RiverRaider_35, RoadKill_29, Rofo_34, RogerDodger_33, RonRayGun_18, Ronaldo_55, Rose5_17, Rumpelstiltskin_17, Ruthy_18, Salvador_30, Samba_18, Sampson_34, Samty_18, Sanjuju_32, Sapo_15, Saronaya_33, Savbucketdawg_30, Schmidt_19, Schnabeltier_18, SchottB_32, Scioto_34, Sedona_34, Sephiroth_27, SheckWes_16, Shinji_30, Shivanishola_35, Silverleaf_17, Sitar_34, Sixama_98, SketchMex_16, Skinny_28, Skysand_42, Sleepyhead_17, SlimJimmy_26, SmokingBunny_30, Smoothie_48, Snenia_18, SoSeph_20, Sopespian_17, Soul22_18, Sparky_15, SpeedDemon_310, Splinter_21, Spooky_19, Squiddly_21, StarStruck_41, SteamedHams_19, Stickynote_32, StorminNorm_33, Strobilo_19, Stultus_32, Sukkupi_42, SummitAcademy_16, SuperSulley_41, Survivors_19, SweatNTears_19, Syleon_27, TM4_18, TPA4_18, TZGordon_23, Tangent_34, Tangerine_33, Tardus_35, TaronosaurusRx_18, Tesla_48, Thing3_33, Thyatira_20, Tiamoceli_32, TillyBobJoe_30, TinaLin_24, Toast_18, Togo_30, Tolls_19, Toniann_47, TouchMeNot_18, Tourach_17, Tracker_40, Trax_27, Troje_17, Turuncu_44, Twister6_32, Twonlo_29, TyDawg_27, Tycho_33, Typha_23, Typhonmarchy_18, Tyson_17, UPIE_17, Ubuntu_21, UmaThurman_18, Utz_18, Valary_33, VanDeWege_33, VanLee_19, VasuNzinga_49, Vendetta_21, Verity_33, Vetric_17, ViaConlectus_34, Vine_18, Vivi2_36, Volt_54, Vordorf_21, Walrus_19, Wamburgrxpress_17, Waterfoul_20, Webster2_21, Weirido19_18, WheatThin_21, Wheezy_40, Whirlwind_19, Whitney_20, Whitty_18, WhoseManz_42, Wigglewiggly_17, Wilder_17, WilliamBoone_47, William_18, Winky_17, Wishmaker_21, Wisp_17, Wizard_30, Wocket_19, Wyatt2_17, Yakult_18, Yarn_16, Yndexa_42, YorkOnyx_34, Yoshi_18, Yummy_18, YungMoney_32, Yvonnetastic_44, ZAYM_18, Zakai_17, Zapner_19, Zarbodnamra_18, Zareef_21, Zaria_17, ZenTime222_18, ZhongYanYuan_16, ZiggyZoo_17, Ziko_55, Zion_33, Zipp_33, Zitch_35, ZoeJ_18,

Summary by start number:

Start 23:

- Found in 3 of 848 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 66.7% of time when present
- Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 26:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 27:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_20 (K7),

Start 28:

- Found in 222 of 848 (26.2%) of genes in pham
- Manual Annotations of this start: 209 of 754
- Called 99.1% of time when present

• Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), BEEST_22 (K1), BGIlluviae_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), Binglebops_18 (K1), Blizzard_22 (K1), Boiiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAlll_0017 (G1), Dalmuri_22 (K1), Darionha_17 (G1), DarthP_21 (K6), Deby_22 (K1), Devera_22 (K1), 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), 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_23 (K1), Jeckyll_22 (K1), 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), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1), LeMond_21 (K1), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MacnCheese_22 (K3), Malthus_24 (K4), MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_23 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), 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), Phrank_21 (K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pixie_21 (K3), Plagueis_17 (G1), Pokerus_21 (K1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Rosmarinus_22 (K1), 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_22 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Terror_17 (G1), Tierra_21 (K6), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), TreyKay_22 (K1), TripleTrouble_20 (K3), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_23 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 29:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 30:

- Found in 6 of 848 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB),

Start 31:

- Found in 33 of 848 (3.9%) of genes in pham
- Manual Annotations of this start: 29 of 754
- Called 93.9% of time when present
- Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), BoostSeason_18 (K2), Collard_20 (K5), Dadosky_20 (K5), DismalFunk_18 (K2), DismalStressor_18 (K2), Edugator_19 (K5), Feyre_20 (K5), Findley_18 (K2), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), Marcoliusprime_18 (K2), Milly_18 (K2), Miryou_20 (K5), Mufasa_18 (K2), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), TM4_18 (K2), Thyatira_20 (K5), Waterfoul_20 (K5), ZoeJ_18 (K2),

Start 32:

- Found in 28 of 848 (3.3%) of genes in pham
- No Manual Annotations of this start.
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Strobilo_19 (K2),

Start 37:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_21 (AG), TPA4_18 (singleton),

Start 38:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 41:

- Found in 4 of 848 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bipper_23 (Y), Cracklewink_23 (Y), Hilltopfarm_23 (Y), Typha_23 (Y),

Start 44:

- Found in 1 of 848 (0.1%) of genes in pham

- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_23 (AG),

Start 45:

- Found in 4 of 848 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_25 (Z), JustASigh_18 (AH), Rem711_24 (Z), Weirdo19_18 (AH),

Start 47:

- Found in 3 of 848 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_46 (DD), Yvonnestic_44 (DD),

Start 49:

- Found in 24 of 848 (2.8%) of genes in pham
- Manual Annotations of this start: 21 of 754
- Called 91.7% of time when present
- Phage (with cluster) where this start called: Amochick_21 (Q), Amymech_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), Gravaillia_21 (Q), HH92_21 (Q), Hadrien_21 (Q), Hail_21 (Q), Kinbote_21 (Q), LilHazelnut_21 (Q), Luke_21 (Q), Luna22_21 (Q), OBUpride_21 (Q), Ubuntu_21 (Q), Webster2_21 (Q), Wishmaker_21 (Q),

Start 50:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_29 (DE5),

Start 52:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_88 (DK), Phendrix_86 (DK),

Start 53:

- Found in 52 of 848 (6.1%) of genes in pham
- Manual Annotations of this start: 22 of 754
- Called 57.7% of time when present
- Phage (with cluster) where this start called: APunk_35 (DE4), Abblin_34 (DE4), Ali17_30 (DE2), Belphegor_32 (DE), 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), 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 55:

- Found in 18 of 848 (2.1%) of genes in pham
- Manual Annotations of this start: 16 of 754
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Ayotoya_21 (DI), BetterKatz_21 (DI), Bock_21 (DI), Brylie_21 (DI), Chop_21 (DI), DelRio_22 (DI), DumpsterDude_18 (DW), Francois_21 (DI), GrandSlam_21 (DI), Hamood_21 (DI), LilSpotty_16 (singleton), Mulch_21 (DI), Nadeem_21 (DI), NancyRae_21 (DI), Parada_21 (DI), Ruthy_18 (DW), WheatThin_21 (DI),

Start 56:

- Found in 14 of 848 (1.7%) of genes in pham
- Manual Annotations of this start: 9 of 754
- Called 64.3% 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 (CQ), Smoothie_48 (CQ1), SpeedDemon_310 (DL), WilliamBoone_47 (CQ1),

Start 57:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_20 (singleton),

Start 58:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 50.0% of time when present
- Phage (with cluster) where this start called: OneUp_41 (CQ2),

Start 60:

- Found in 16 of 848 (1.9%) of genes in pham
- Manual Annotations of this start: 9 of 754
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Abscondus_46 (CQ), Aphelion_47 (CQ1), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_45 (CQ), Engineer_48 (CQ1), Lozinak_47 (CQ1), Miskis_49 (CQ), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 62:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_15 (AF), Sparky_15 (AF),

Start 64:

- Found in 7 of 848 (0.8%) of genes in pham
- Manual Annotations of this start: 5 of 754
- Called 71.4% 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 67:

- Found in 2 of 848 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Nyceirae_22 (DT),

Start 68:

- Found in 52 of 848 (6.1%) of genes in pham
- Manual Annotations of this start: 42 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Affeca_32 (DE1), Ailee_32 (DE1), Angelicage_32 (DE1), 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_31 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (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_34 (DE1), Lennon_34 (DE1), LilHam_31 (DE1), Love_37 (DE1), McKinley_36 (DE1), MoontowerMania_33 (DE1), Nordenberg_28 (DE1), Paries_36 (DE1), Ribeye_34 (DE1), RiverRaider_35 (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 70:

- Found in 10 of 848 (1.2%) of genes in pham
- Manual Annotations of this start: 4 of 754
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dogfish_20 (DT), Ewald_21 (DT), Meyran_20 (DT), Phishy_21 (DT), Vordorf_21 (DT),

Start 71:

- Found in 19 of 848 (2.2%) of genes in pham
- Manual Annotations of this start: 9 of 754
- Called 47.4% 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 72:

- Found in 5 of 848 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Rabbitrun_29 (DU2),

Start 74:

- Found in 32 of 848 (3.8%) of genes in pham
- Manual Annotations of this start: 30 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), Danyall_32 (DC1), Evamon_30 (DC1), Fireball_31 (DC1), Fugax_32 (DC1), Gezellig_31 (DC1),

Halo3_31 (DC1), Jambalaya_30 (DC1), KimmyK_32 (DC1), Kumao_27 (singleton), 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 75:

- Found in 4 of 848 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 754
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Colleen_18 (EO), Poushou_18 (EO), TouchMeNot_18 (EO),

Start 77:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reindeer_25 (M1),

Start 78:

- Found in 11 of 848 (1.3%) of genes in pham
- Manual Annotations of this start: 8 of 754
- Called 72.7% of time when present
- Phage (with cluster) where this start called: Arianna_18 (EO), Bernal13_18 (T), Ibrahim_18 (T), Mendokysej_17 (T), Nairb_18 (T), RonRayGun_18 (T), Whitty_18 (T), ZenTime222_18 (T),

Start 79:

- Found in 20 of 848 (2.4%) of genes in pham
- Manual Annotations of this start: 19 of 754
- Called 95.0% 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), GardenSalsa_31 (M2), GenevaB15_31 (M2), Glaske16_28 (M1), IPhone7_27 (M1), LilhomieP_26 (M1), MrMagoo_31 (M2), Nanosmite_31 (M3), PegLeg_27 (M1), Rey_31 (M2), Skinny_28 (M1), SlimJimmy_26 (M1), TyDawg_27 (M1),

Start 80:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PSonyx_16 (singleton),

Start 81:

- Found in 27 of 848 (3.2%) of genes in pham
- Manual Annotations of this start: 8 of 754
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Avani_18 (F2), Blarby_19 (F), Che9d_18 (F2), Demsculpinboyz_18 (F2), Jabbawokkie_20 (F2), Ronaldo_55 (DP), Soul22_18 (F2), Yoshi_18 (F2), Zapner_19 (F2),

Start 82:

- Found in 14 of 848 (1.7%) of genes in pham
- Manual Annotations of this start: 11 of 754
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Aleemily_18 (DZ), Cafasso_18 (DZ), Kudrefre_26 (DU1), ModicumRichard_18 (DZ), Morgana_18 (DZ), Neville_27 (DU2), ObLaDi_18 (DZ), Octobien14_27 (DU1), Sephiroth_27 (DU1), Syleon_27 (DU1), Trax_27 (DU2), VanLee_19 (singleton),

Start 83:

- Found in 6 of 848 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 754
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Fryberger_52 (DP), Guey18_57 (DP), Keelan_50 (DP), Volt_54 (DP), Ziko_55 (DP),

Start 84:

- Found in 19 of 848 (2.2%) of genes in pham
- Manual Annotations of this start: 9 of 754
- Called 52.6% of time when present
- Phage (with cluster) where this start called: AvadaKedavra_17 (L1), DirkDirk_17 (L1), Enceladus_17 (L1), Halena_17 (L1), MAckerman_17 (L1), OhShagHennessy_17 (L1), Rose5_17 (L1), Silverleaf_17 (L1), Tyson_17 (L1), Wamburgxpress_17 (L1),

Start 87:

- Found in 82 of 848 (9.7%) of genes in pham
- Manual Annotations of this start: 65 of 754
- Called 92.7% of time when present
- Phage (with cluster) where this start called: Aegeus_17 (L5), Archie_17 (L2), Baoshan_16 (L2), Baudelaire_17 (L5), Bazzle_17 (L2), Beelzebub_53 (S), Bellis_18 (L3), BigCheese_17 (L2), Blackbeetle_49 (S), BobsGarage_17 (L2), Breezona_17 (L2), Bromden_18 (L4), Caprice_46 (S), Chaser_17 (L4), Clarkson_50 (S), Claus_17 (L2), Clautastrophe_18 (L3), Corazon_47 (S), Crossroads_17 (L2), Douge_17 (L4), DrSeegs_17 (L2), DuncansLeg_18 (L3), DyoEdafos_18 (L4), Ellson_18 (L3), Faith1_17 (L2), Finemlucis_17 (L2), Finnry_18 (L3), Gabriela_17 (L2), Gardann_17 (L2), Gattaca_48 (S), GuuelaD_17 (L2), Hafay_17 (L2), Huphlepuuff_51 (S), Itos_17 (L2), Jobypre_18 (L3), JoieB_50 (S), Jubie_18 (L3), Kahlid_17 (L2), Kingsolomon_18 (L3), Krypton555_18 (L3), Lewan_17 (L2), LilDestine_17 (L2), Lilbit_50 (S), LittleLaf_49 (S), Loadrie_17 (L2), Lolly9_18 (L3), Lumos_18 (L3), Marvin_47 (S), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), MkaliMitinis3_17 (L2), Moostard_18 (L3), MosMoris_47 (S), MsGreen_18 (L3), Netyap_17 (L2), Nicholas_18 (L3), Nicholasp3_17 (L2), Poise_49 (S), Pringar_49 (S), REQ3_49 (singleton), Raela_49 (S), RedRaider77_49 (S), Rumpelstiltskin_17 (L2), Samty_18 (L3), Snenia_18 (L3), Tesla_48 (S), Tourach_17 (L2), VasuNzinga_49 (S), Vetrix_17 (L2), Whirlwind_19 (L3), Wigglewiggles_17 (L2), Wilder_17 (L2), Winky_17 (L2), Zakai_17 (L2), ZhongYanYuan_16 (L2),

Start 88:

- Found in 19 of 848 (2.2%) of genes in pham
- Manual Annotations of this start: 13 of 754
- Called 84.2% of time when present
- Phage (with cluster) where this start called: BBQValindra_18 (DB), BackstagePass_18 (DB), Bowser_18 (DB), Bunker_18 (DB), Coriander_18 (DB),

DirtyBoi_19 (DB), Dmitri_18 (DB), Doggs_17 (DB), Eyes_18 (DB), HannahD_18 (DB), Hedwig_19 (DB), Kiko_19 (DB), MagicMan_18 (DB), Opie_18 (DB), RayTheFireFly_18 (DB), TaronosaurusRx_18 (DB),

Start 89:

- Found in 15 of 848 (1.8%) of genes in pham
- Manual Annotations of this start: 6 of 754
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Catfish_21 (CU5), Dardanus_23 (CU3), DinoDaryn_23 (CU1), Goib_22 (CU1), Huffy_23 (CU1), TZGordon_23 (CU1),

Start 92:

- Found in 82 of 848 (9.7%) of genes in pham
- Manual Annotations of this start: 54 of 754
- Called 81.7% of time when present
- Phage (with cluster) where this start called: Agatha_17 (CT), AikoCarson_16 (CT), Amok_16 (CT), AndPeggy_16 (CT), Apricot_18 (DN3), Axym_17 (CT), Azira_19 (CT), Banquo_25 (CU1), BigChungus_16 (CT), BillDoor_19 (CT), Biskit_18 (CT), Burnsey_17 (CT), Button_18 (CT), Buttrmlkdreams_17 (CT), CherryonLim_18 (CT), Cleo_17 (CT), Cozz_17 (CT), Crater_17 (DN3), Dre3_17 (CT), Elinal_18 (CT), Elliott_17 (CT), Emalyn_16 (CT), Feastonyeet_16 (CT), Fribs8_18 (CT), GiKK_20 (CT), Gibbous_17 (CT), GoldHunter_18 (CT), Gspu1_19 (CU2), Hexbug_19 (CT), HippoPololi_19 (CT), Horseradish_18 (CT), Jamzy_20 (CT), KayGee_16 (CT), Lauer_16 (CT), MScarn_19 (CT), MaVan_21 (CT), Margaret_20 (CT), Mayweather_18 (CT), MunkgeeRoachy_18 (CT), Nibbles_19 (CT), Nina_18 (CT), Nodigi_19 (CT), Orla_19 (CT), Pons_17 (CT), PotPie_18 (CT), PsychoKiller_17 (CT), Quasar_17 (CT), RedBaron_18 (CT), Schmidt_19 (CU4), SheckWes_16 (CT), SketchMex_16 (CT), Sopespian_17 (CT), Splinter_21 (CU1), SteamedHams_19 (CT), SummitAcademy_16 (CT), Survivors_19 (CT), SweatNTears_19 (CT), TinaLin_24 (CU1), Tolls_19 (CT), Troje_17 (CT), Typhonmacy_18 (CT), Vendetta_21 (CU1), Vine_18 (CT), Yakult_18 (CT), Yarn_16 (CT), Yummy_18 (CT), Zareef_21 (CT),

Start 93:

- Found in 9 of 848 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: C3PO_30 (EN), Cruella_30 (EN), Darwin_33 (EN), Kimchi1738_30 (EN), P1201_46 (singleton), PeteyPab_32 (EN), PotatoChip_33 (EN), Stickyntote_32 (EN), Zion_33 (EN),

Start 94:

- Found in 26 of 848 (3.1%) of genes in pham
- Manual Annotations of this start: 13 of 754
- Called 57.7% of time when present
- Phage (with cluster) where this start called: Asapag_19 (DN1), BENtherdunthat_19 (DN1), Budski_19 (DN), Frickyeah_19 (DN1), Getalong_20 (DN1), Horus_19 (DN1), Kamaru_19 (DN1), Kenna_18 (DN1), Leroy_19 (DN1), LitninMcQueen_19 (DN1), Periwinkle_21 (DN1), Phistory_20 (DN1), Spooky_19 (DN2), Squiddly_21 (DN2), Whitney_20 (DN1),

Start 97:

- Found in 40 of 848 (4.7%) of genes in pham

- Manual Annotations of this start: 11 of 754
- Called 27.5% of time when present
- Phage (with cluster) where this start called: Apiary_44 (CR), Braxoaddie_44 (CR), CheeseTouch_19 (DN1), ChewyVIII_55 (singleton), GEazy_18 (DB), Holliday_19 (DN1), Lutum_19 (DN1), Malisha_20 (DN), Maselop_44 (CR), Phabuloso_19 (DN1), Polyyuki_44 (CR),

Start 99:

- Found in 28 of 848 (3.3%) of genes in pham
- Manual Annotations of this start: 24 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arti_40 (CR2), Dalilpop_45 (CR1), Emianna_40 (CR2), Ennea_46 (CR3), Flapper_44 (CR1), Float294_42 (CR3), Foxboro_41 (CR2), Fury_49 (CR5), GRU1_30 (CR1), GTE5_31 (CR1), GTE8_29 (CR2), GrootJr_42 (CR2), Jifall16_39 (CR2), KidneyBean_40 (CR2), Kurt_40 (CR2), Lollipop1437_45 (CR3), MerCougar_41 (CR2), NatB6_40 (CR2), NovumRegina_40 (CR2), Outis_41 (CR2), Patio_43 (CR3), Phomeo_39 (CR2), Pleakley_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 100:

- Found in 7 of 848 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 754
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Bonum_43 (CR2), Buggaboo_41 (CR2), Commandaria_42 (CR2), Kabluna_43 (CR2), NosilaM_43 (CR2), SuperSulley_41 (CR2),

Start 104:

- Found in 8 of 848 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiPauneto_43 (CR4), HubbaBubba_39 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Sukkupi_42 (CR4), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 110:

- Found in 15 of 848 (1.8%) of genes in pham
- No Manual Annotations of this start.
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Pimento_21 (DI),

Start 113:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_16 (singleton),

Start 117:

- Found in 59 of 848 (7.0%) of genes in pham
- No Manual Annotations of this start.
- Called 3.4% of time when present
- Phage (with cluster) where this start called: GTE2_15 (CT), MAnor_17 (CT),

Start 118:

- Found in 21 of 848 (2.5%) of genes in pham
- Manual Annotations of this start: 2 of 754
- Called 14.3% of time when present
- Phage (with cluster) where this start called: CoffeeBean_45 (CR), GuyFagieri_44 (CR), MacGully_49 (CR),

Start 123:

- Found in 115 of 848 (13.6%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 1.7% of time when present
- Phage (with cluster) where this start called: Schnabeltier_18 (DB), ZAYM_18 (DB),

Start 126:

- Found in 30 of 848 (3.5%) of genes in pham
- Manual Annotations of this start: 6 of 754
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Barco_18 (CV), Guacamole_18 (CV), Lysidious_19 (CV), Melba_18 (CV), Pipp_18 (CV), Zarbodnamra_18 (CV),

Start 127:

- Found in 15 of 848 (1.8%) of genes in pham
- Manual Annotations of this start: 13 of 754
- Called 93.3% 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 128:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sapo_15 (DA),

Start 129:

- Found in 214 of 848 (25.2%) of genes in pham
- Manual Annotations of this start: 22 of 754
- Called 10.3% 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), 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 130:

- Found in 158 of 848 (18.6%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Archimedes_15 (DA),

Start 137:

- Found in 14 of 848 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Frokostdame_18 (CV), Wisp_17 (CV),

Start 150:

- Found in 1 of 848 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 754
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_17 (singleton),

Summary by clusters:

There are 77 clusters represented in this pham: DN, singleton, DE5, M3, DI, DD, K4, DB, DL, DA, K3, K2, K1, AB, DZ, K6, K5, CR, DW, DT, K8, DS, DP, DK, G5, G4, CU3, G2, G1, DU2, DE, DN1, K7, DN2, DU1, CQ1, CT, G3, CU2, EO, EN, DN3, AG, AF, AH, CU5, CQ2, Q, S, CU4, L2, L3, L1, Y, X, CQ, Z, DC2, CV, DC1, CR2, CR3, F2, CR1, CU1, CR4, CR5, DE1, DE2, DE3, DE4, L4, L5, F, M1, M2, T,

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 62 was manually annotated 1 time for cluster AF.

Info for manual annotations of cluster AG:

- Start number 37 was manually annotated 1 time for cluster AG.
- Start number 44 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster CQ:

- Start number 56 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 56 was manually annotated 3 times for cluster CQ1.
- Start number 60 was manually annotated 8 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 58 was manually annotated 1 time for cluster CQ2.
- Start number 60 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 97 was manually annotated 4 times for cluster CR.
- Start number 118 was manually annotated 2 times for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 99 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 99 was manually annotated 14 times for cluster CR2.
- Start number 100 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 99 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 104 was manually annotated 7 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 99 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CT:

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

Info for manual annotations of cluster CU1:

- Start number 89 was manually annotated 4 times for cluster CU1.
- Start number 92 was manually annotated 4 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 89 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 92 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 89 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 126 was manually annotated 6 times for cluster CV.
- Start number 127 was manually annotated 13 times for cluster CV.
- Start number 129 was manually annotated 21 times for cluster CV.
- Start number 137 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster DA:

- Start number 128 was manually annotated 1 time for cluster DA.
- Start number 129 was manually annotated 1 time for cluster DA.
- Start number 130 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DB:

- Start number 88 was manually annotated 13 times for cluster DB.
- Start number 97 was manually annotated 1 time for cluster DB.
- Start number 123 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 74 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 74 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 47 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 68 was manually annotated 42 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 53 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 53 was manually annotated 6 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 53 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 50 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DI:

- Start number 55 was manually annotated 13 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 52 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 56 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 94 was manually annotated 1 time for cluster DN.
- Start number 97 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 94 was manually annotated 10 times for cluster DN1.
- Start number 97 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 94 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 92 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DP:

- Start number 81 was manually annotated 1 time for cluster DP.
- Start number 83 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster DS:

- Start number 64 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 67 was manually annotated 1 time for cluster DT.
- Start number 70 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 82 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 72 was manually annotated 1 time for cluster DU2.

- Start number 82 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 55 was manually annotated 2 times for cluster DW.

Info for manual annotations of cluster DZ:

- Start number 82 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster EN:

- Start number 93 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 75 was manually annotated 3 times for cluster EO.
- Start number 78 was manually annotated 1 time for cluster EO.

Info for manual annotations of cluster F2:

- Start number 81 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster G1:

- Start number 28 was manually annotated 58 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 23 was manually annotated 1 time for cluster G2.
- Start number 29 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 28 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 28 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 28 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster K1:

- Start number 28 was manually annotated 99 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 31 was manually annotated 9 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 28 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 28 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 31 was manually annotated 20 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 28 was manually annotated 21 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 27 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 26 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 71 was manually annotated 9 times for cluster L1.
- Start number 84 was manually annotated 9 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 87 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 87 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 87 was manually annotated 3 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 87 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 77 was manually annotated 1 time for cluster M1.
- Start number 79 was manually annotated 12 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 79 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 79 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster Q:

- Start number 49 was manually annotated 21 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 87 was manually annotated 16 times for cluster S.

Info for manual annotations of cluster T:

- Start number 78 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 4 times for cluster Y.

Info for manual annotations of cluster Z:

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

Gene Information:

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 45

Candidate Starts for 32HC_25:

(11, 17579), (42, 17867), (Start: 45 @17876 has 1 MA's), (Start: 64 @17915 has 5 MA's), (Start: 100 @17960 has 6 MA's), (191, 18167), (236, 18287), (295, 18401), (319, 18461), (402, 18668), (527, 18968),

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

Candidate Starts for 8UZL_20:

(Start: 30 @14891 has 4 MA's), (35, 14939), (Start: 94 @15047 has 13 MA's), (101, 15056), (131, 15125), (136, 15137), (142, 15152), (214, 15299), (260, 15407), (300, 15482), (303, 15491), (316, 15527), (343, 15596), (366, 15638), (400, 15683), (403, 15692), (426, 15749), (476, 15854), (521, 15965),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 53

Candidate Starts for APunk_35:

(Start: 53 @29234 has 22 MA's), (Start: 129 @29357 has 22 MA's), (148, 29393), (193, 29495), (225, 29549), (259, 29621), (292, 29684), (299, 29693), (320, 29750), (331, 29783), (344, 29816), (345, 29819), (403, 29936), (418, 29972), (432, 30005), (436, 30014), (445, 30035), (464, 30062), (476, 30092), (479, 30098), (508, 30131), (509, 30134), (523, 30188), (527, 30200),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 53

Candidate Starts for Abblin_34:

(Start: 53 @29777 has 22 MA's), (112, 29852), (116, 29864), (Start: 129 @29900 has 22 MA's), (148, 29936), (193, 30038), (225, 30092), (259, 30164), (292, 30227), (299, 30236), (320, 30293), (331, 30326), (344, 30359), (345, 30362), (377, 30419), (418, 30515), (432, 30548), (436, 30557), (445, 30578), (464, 30605), (473, 30626), (476, 30635), (479, 30641), (508, 30674), (509, 30677), (523, 30731), (527, 30743),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 60

Candidate Starts for Abscondus_46:

(Start: 56 @28434 has 9 MA's), (Start: 60 @28440 has 9 MA's), (98, 28488), (116, 28515), (142, 28587), (188, 28683), (251, 28791), (300, 28884), (310, 28908), (313, 28923), (366, 29019), (400, 29067), (494, 29247), (509, 29283),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 71

Candidate Starts for Acquire49_17:

(48, 15811), (Start: 71 @15847 has 9 MA's), (Start: 84 @15865 has 9 MA's), (106, 15889), (120, 15919), (124, 15934), (138, 15967), (217, 16111), (298, 16267), (300, 16270), (302, 16276), (324, 16321), (335, 16348), (354, 16387), (374, 16420), (382, 16429), (390, 16456), (441, 16576), (465, 16624), (510, 16690), (512, 16696), (521, 16735),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 28

Candidate Starts for ActinUp_22:

(Start: 28 @16020 has 209 MA's), (54, 16137), (116, 16227), (Start: 123 @16248 has 1 MA's), (Start: 130 @16269 has 1 MA's), (141, 16296), (259, 16551), (301, 16632), (329, 16707), (333, 16722), (400, 16833), (416, 16875), (454, 16968), (467, 16992), (514, 17085), (523, 17124), (528, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 28

Candidate Starts for Adephagia_22:

(Start: 28 @16017 has 209 MA's), (54, 16134), (116, 16224), (Start: 123 @16245 has 1 MA's), (Start: 130 @16266 has 1 MA's), (141, 16293), (259, 16548), (301, 16629), (329, 16704), (333, 16719), (400, 16830), (416, 16872), (454, 16965), (467, 16989), (514, 17082), (523, 17121), (528, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 28

Candidate Starts for Adonis_22:

(Start: 28 @16023 has 209 MA's), (54, 16140), (116, 16230), (Start: 123 @16251 has 1 MA's), (Start: 130 @16272 has 1 MA's), (141, 16299), (259, 16554), (301, 16635), (329, 16710), (333, 16725), (400, 16836), (416, 16878), (454, 16971), (467, 16995), (514, 17088), (523, 17127), (528, 17145),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 87

Candidate Starts for Aegeus_17:

(59, 15389), (69, 15404), (Start: 87 @15428 has 65 MA's), (106, 15452), (124, 15497), (Start: 129 @15512 has 22 MA's), (138, 15530), (177, 15608), (255, 15761), (258, 15770), (300, 15833), (352, 15944), (354, 15950), (357, 15956), (382, 15992), (390, 16019), (402, 16043), (408, 16061), (411, 16070), (412, 16073), (429, 16112), (441, 16139), (465, 16187), (476, 16208), (521, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 68

Candidate Starts for Affeca_32:

(Start: 68 @29693 has 42 MA's), (164, 29879), (170, 29891), (184, 29918), (261, 30089), (278, 30125), (294, 30158), (302, 30173), (307, 30185), (325, 30215), (330, 30221), (354, 30281), (400, 30371), (433, 30461), (443, 30485), (448, 30497), (479, 30563), (489, 30578), (509, 30602), (513, 30614),

Gene: Agatha_17 Start: 14764, Stop: 15735, Start Num: 92

Candidate Starts for Agatha_17:

(Start: 92 @14764 has 54 MA's), (117, 14809), (124, 14830), (153, 14893), (161, 14917), (177, 14947), (193, 14986), (212, 15025), (215, 15034), (216, 15037), (242, 15103), (262, 15151), (286, 15193), (310, 15241), (330, 15292), (354, 15352), (364, 15367), (366, 15370), (372, 15388), (379, 15394), (395, 15439), (405, 15466), (411, 15484), (431, 15535), (432, 15538), (445, 15568), (448, 15577), (453, 15592), (483, 15649), (514, 15697), (518, 15721), (520, 15727),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 31

Candidate Starts for Agent47_20:

(Start: 31 @16419 has 29 MA's), (101, 16593), (Start: 129 @16659 has 22 MA's), (Start: 130 @16662 has 1 MA's), (141, 16689), (188, 16788), (231, 16890), (259, 16944), (275, 16974), (291, 17010), (293, 17013), (300, 17022), (328, 17097), (329, 17100), (343, 17136), (366, 17178), (385, 17196), (388, 17202), (400, 17226), (401, 17229), (416, 17268), (514, 17478), (523, 17517), (528, 17535),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 28

Candidate Starts for Ageofdapage_22:

(Start: 28 @15951 has 209 MA's), (54, 16068), (Start: 123 @16179 has 1 MA's), (Start: 130 @16200 has 1 MA's), (141, 16227), (189, 16329), (259, 16482), (301, 16563), (329, 16638), (333, 16653), (400, 16764), (416, 16806), (454, 16899), (467, 16923), (514, 17016), (523, 17055), (528, 17073),

Gene: AikoCarson_16 Start: 14069, Stop: 15040, Start Num: 92

Candidate Starts for AikoCarson_16:

(Start: 92 @14069 has 54 MA's), (117, 14114), (124, 14135), (138, 14171), (177, 14252), (212, 14330), (215, 14339), (216, 14342), (233, 14396), (242, 14408), (262, 14456), (286, 14498), (310, 14546), (330, 14597), (341, 14627), (354, 14657), (364, 14672), (366, 14675), (405, 14771), (411, 14789), (432, 14843), (433, 14846), (445, 14873), (448, 14882), (453, 14897), (483, 14954), (514, 15002), (518, 15026), (520, 15032),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 68

Candidate Starts for Ailee_32:

(Start: 68 @30183 has 42 MA's), (164, 30369), (170, 30381), (184, 30408), (191, 30429), (217, 30489), (260, 30576), (261, 30579), (278, 30615), (294, 30648), (302, 30663), (307, 30675), (325,

30705), (330, 30711), (354, 30771), (400, 30861), (433, 30951), (443, 30975), (448, 30987), (479, 31053), (513, 31104),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 82

Candidate Starts for Aleemily_18:

(9, 15193), (Start: 82 @15646 has 11 MA's), (102, 15673), (Start: 118 @15706 has 2 MA's), (162, 15808), (177, 15835), (187, 15859), (237, 15961), (255, 15994), (267, 16024), (296, 16060), (300, 16066), (303, 16075), (339, 16153), (352, 16183), (354, 16189), (364, 16204), (406, 16309), (434, 16375), (485, 16474), (510, 16507), (518, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 53

Candidate Starts for Ali17_30:

(Start: 53 @27429 has 22 MA's), (Start: 129 @27552 has 22 MA's), (148, 27588), (176, 27648), (225, 27744), (278, 27855), (290, 27876), (331, 27978), (345, 28014), (445, 28230), (447, 28236), (455, 28251), (464, 28266), (479, 28302), (508, 28335), (509, 28338), (527, 28404),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 28

Candidate Starts for AlishaPH_22:

(Start: 28 @16010 has 209 MA's), (54, 16127), (116, 16217), (Start: 123 @16238 has 1 MA's), (Start: 130 @16259 has 1 MA's), (141, 16286), (259, 16541), (301, 16622), (329, 16697), (333, 16712), (400, 16823), (416, 16865), (454, 16958), (467, 16982), (514, 17075), (523, 17114), (528, 17132),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 31

Candidate Starts for AlleyCat_20:

(Start: 31 @16301 has 29 MA's), (101, 16475), (Start: 129 @16541 has 22 MA's), (141, 16571), (188, 16670), (231, 16772), (259, 16826), (275, 16856), (291, 16892), (293, 16895), (300, 16904), (328, 16979), (329, 16982), (343, 17018), (366, 17060), (385, 17078), (388, 17084), (400, 17108), (401, 17111), (416, 17150), (460, 17252), (514, 17360), (523, 17399), (528, 17417),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 28

Candidate Starts for Amelie_18:

(Start: 28 @15554 has 209 MA's), (54, 15677), (116, 15767), (141, 15836), (188, 15935), (189, 15938), (231, 16037), (301, 16172), (400, 16373), (416, 16415), (417, 16418), (454, 16508), (467, 16532), (514, 16625), (523, 16664), (528, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 28

Candidate Starts for Amgine_20:

(Start: 28 @16119 has 209 MA's), (54, 16236), (Start: 92 @16287 has 54 MA's), (141, 16395), (189, 16497), (190, 16500), (231, 16596), (259, 16650), (291, 16716), (300, 16728), (416, 16974), (417, 16977), (467, 17091), (514, 17184), (523, 17223), (528, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 27

Candidate Starts for Aminay_20:

(Start: 27 @16296 has 1 MA's), (32, 16320), (43, 16392), (54, 16422), (114, 16506), (Start: 130 @16554 has 1 MA's), (140, 16578), (188, 16680), (231, 16782), (259, 16836), (296, 16905), (300, 16911), (312, 16947), (328, 16986), (366, 17064), (416, 17154), (431, 17190), (443, 17220), (461, 17259), (514, 17364), (523, 17403), (528, 17421),

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

Candidate Starts for Amochick_21:

(Start: 49 @16318 has 21 MA's), (Start: 53 @16327 has 22 MA's), (116, 16423), (120, 16432), (122, 16441), (141, 16492), (145, 16498), (190, 16594), (198, 16612), (223, 16681), (225, 16690), (232, 16711), (236, 16717), (241, 16723), (244, 16726), (274, 16798), (276, 16801), (341, 16957), (368,

17008), (374, 17026), (402, 17098), (411, 17116), (443, 17200), (454, 17227), (456, 17230), (476, 17266), (488, 17284), (509, 17326), (514, 17341), (515, 17344), (521, 17374), (523, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 28

Candidate Starts for Amohnition_21:

(Start: 28 @16493 has 209 MA's), (54, 16610), (65, 16628), (Start: 92 @16661 has 54 MA's), (116, 16700), (141, 16769), (188, 16868), (190, 16874), (231, 16970), (259, 17024), (291, 17090), (300, 17102), (328, 17177), (366, 17258), (388, 17282), (416, 17348), (417, 17351), (454, 17441), (514, 17558), (523, 17597), (528, 17615),

Gene: Amok_16 Start: 14066, Stop: 15037, Start Num: 92

Candidate Starts for Amok_16:

(Start: 92 @14066 has 54 MA's), (117, 14111), (124, 14132), (138, 14168), (177, 14249), (212, 14327), (215, 14336), (216, 14339), (233, 14393), (242, 14405), (262, 14453), (286, 14495), (310, 14543), (330, 14594), (341, 14624), (354, 14654), (364, 14669), (366, 14672), (405, 14768), (411, 14786), (432, 14840), (433, 14843), (445, 14870), (448, 14879), (453, 14894), (459, 14903), (483, 14951), (514, 14999), (518, 15023), (520, 15029),

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

Candidate Starts for Amymech_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 28

Candidate Starts for Anaya_23:

(Start: 28 @16036 has 209 MA's), (Start: 31 @16042 has 29 MA's), (54, 16153), (Start: 123 @16264 has 1 MA's), (Start: 130 @16285 has 1 MA's), (141, 16312), (259, 16567), (301, 16648), (333, 16738), (400, 16849), (416, 16891), (454, 16984), (467, 17008), (514, 17101), (523, 17140), (528, 17158),

Gene: AndPeggy_16 Start: 14429, Stop: 15400, Start Num: 92

Candidate Starts for AndPeggy_16:

(Start: 92 @14429 has 54 MA's), (117, 14474), (124, 14495), (Start: 129 @14510 has 22 MA's), (138, 14531), (161, 14582), (177, 14612), (188, 14639), (212, 14690), (215, 14699), (216, 14702), (233, 14756), (242, 14768), (262, 14816), (310, 14906), (330, 14957), (341, 14987), (354, 15017), (366, 15035), (405, 15131), (411, 15149), (431, 15200), (432, 15203), (445, 15233), (448, 15242), (453, 15257), (483, 15314), (514, 15362), (518, 15386), (520, 15392),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Angel_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 28

Candidate Starts for Angelica_22:

(Start: 28 @15985 has 209 MA's), (54, 16102), (116, 16192), (Start: 123 @16213 has 1 MA's), (Start: 130 @16234 has 1 MA's), (141, 16261), (259, 16516), (301, 16597), (329, 16672), (333, 16687), (400, 16798), (416, 16840), (454, 16933), (467, 16957), (514, 17050), (523, 17089), (528, 17107),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 68

Candidate Starts for Angelicage_32:

(Start: 68 @30110 has 42 MA's), (164, 30296), (170, 30308), (184, 30335), (191, 30356), (217, 30416), (261, 30506), (278, 30542), (294, 30575), (302, 30590), (307, 30602), (325, 30632), (330, 30638), (354, 30698), (400, 30788), (433, 30878), (443, 30902), (448, 30914), (479, 30980), (513, 31031),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 28

Candidate Starts for Annihilator_17:

(6, 15135), (Start: 28 @15468 has 209 MA's), (54, 15588), (65, 15606), (101, 15651), (105, 15657), (Start: 129 @15720 has 22 MA's), (145, 15756), (178, 15825), (180, 15828), (188, 15849), (216, 15903), (231, 15948), (249, 15978), (300, 16080), (305, 16092), (310, 16104), (314, 16122), (385, 16287), (400, 16317), (409, 16335), (416, 16359), (468, 16479), (514, 16569), (521, 16602),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 28

Candidate Starts for Antsirabe_17:

(5, 15441), (7, 15501), (Start: 28 @15810 has 209 MA's), (65, 15951), (105, 16002), (Start: 130 @16068 has 1 MA's), (131, 16071), (140, 16092), (145, 16101), (178, 16170), (180, 16173), (189, 16197), (214, 16242), (216, 16248), (231, 16293), (278, 16383), (305, 16437), (327, 16497), (373, 16605), (400, 16662), (416, 16704), (418, 16710), (449, 16782), (456, 16800), (501, 16878), (502, 16881), (509, 16899), (521, 16947), (523, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 60

Candidate Starts for Aphelion_47:

(Start: 60 @28709 has 9 MA's), (98, 28757), (116, 28784), (142, 28856), (176, 28922), (188, 28952), (251, 29060), (300, 29153), (310, 29177), (313, 29192), (366, 29288), (400, 29336), (494, 29516), (509, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 97

Candidate Starts for Apiary_44:

(Start: 97 @30416 has 11 MA's), (Start: 118 @30452 has 2 MA's), (173, 30569), (189, 30608), (196, 30626), (216, 30677), (259, 30776), (300, 30851), (303, 30860), (334, 30935), (343, 30956), (405, 31094), (416, 31130), (434, 31169), (462, 31211), (496, 31274), (510, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 28

Candidate Starts for Apocalypse_22:

(Start: 28 @15988 has 209 MA's), (54, 16105), (116, 16195), (Start: 123 @16216 has 1 MA's), (Start: 130 @16237 has 1 MA's), (141, 16264), (227, 16453), (259, 16519), (301, 16600), (329, 16675), (333, 16690), (400, 16801), (416, 16843), (454, 16936), (467, 16960), (514, 17053), (523, 17092), (528, 17110),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 71

Candidate Starts for Appletree2_17:

(48, 15764), (51, 15767), (Start: 71 @15800 has 9 MA's), (Start: 84 @15818 has 9 MA's), (106, 15842), (120, 15872), (124, 15887), (138, 15920), (217, 16064), (252, 16145), (298, 16220), (300, 16223), (302, 16229), (324, 16274), (335, 16301), (352, 16334), (354, 16340), (374, 16373), (382, 16382), (390, 16409), (441, 16529), (465, 16577), (479, 16604), (510, 16643), (512, 16649), (521, 16688),

Gene: Apricot_18 Start: 15047, Stop: 15973, Start Num: 92

Candidate Starts for Apricot_18:

(Start: 92 @15047 has 54 MA's), (Start: 97 @15053 has 11 MA's), (115, 15083), (138, 15143), (153, 15167), (159, 15182), (165, 15197), (170, 15206), (177, 15218), (186, 15239), (193, 15257), (197,

15269), (215, 15314), (233, 15368), (235, 15371), (238, 15374), (247, 15386), (262, 15416), (270, 15434), (302, 15488), (307, 15500), (310, 15506), (322, 15527), (343, 15575), (352, 15593), (354, 15599), (364, 15614), (366, 15617), (431, 15770), (432, 15773), (434, 15779), (450, 15812), (459, 15830), (475, 15863), (510, 15914), (515, 15929), (523, 15965),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 87

Candidate Starts for Archie_17:

(Start: 87 @16290 has 65 MA's), (106, 16314), (120, 16344), (157, 16425), (296, 16695), (298, 16698), (300, 16701), (340, 16788), (352, 16812), (354, 16818), (390, 16887), (398, 16905), (406, 16923), (407, 16926), (465, 17055), (479, 17082), (487, 17094), (521, 17184), (524, 17196),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 130

Candidate Starts for Archimedes_15:

(Start: 126 @13698 has 6 MA's), (Start: 130 @13707 has 1 MA's), (159, 13767), (224, 13914), (233, 13941), (256, 13983), (285, 14052), (303, 14088), (334, 14178), (358, 14235), (360, 14238), (404, 14325), (417, 14361), (433, 14391), (438, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 129

Candidate Starts for Archis_19:

(Start: 126 @15998 has 6 MA's), (Start: 129 @16004 has 22 MA's), (Start: 137 @16019 has 1 MA's), (200, 16160), (230, 16241), (261, 16298), (266, 16307), (281, 16340), (326, 16448), (356, 16532), (396, 16604), (452, 16733), (466, 16760), (483, 16775),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 78

Candidate Starts for Arianna_18:

(Start: 75 @16550 has 3 MA's), (Start: 78 @16553 has 8 MA's), (124, 16637), (187, 16775), (341, 17063),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Aroostook_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 74

Candidate Starts for Arri_33:

(Start: 74 @25616 has 30 MA's), (Start: 129 @25721 has 22 MA's), (161, 25790), (164, 25796), (177, 25820), (184, 25835), (354, 26195), (364, 26210), (378, 26228), (415, 26330), (433, 26372), (448, 26408), (505, 26504), (519, 26555),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 99

Candidate Starts for Arti_40:

(Start: 99 @28866 has 24 MA's), (135, 28953), (173, 29028), (200, 29094), (216, 29136), (233, 29193), (343, 29406), (354, 29433), (405, 29544), (462, 29676), (510, 29772),

Gene: Asapag_19 Start: 15508, Stop: 16431, Start Num: 94

Candidate Starts for Asapag_19:

(Start: 94 @15508 has 13 MA's), (Start: 97 @15511 has 11 MA's), (106, 15523), (115, 15541), (131, 15586), (153, 15625), (170, 15664), (186, 15697), (188, 15703), (215, 15772), (233, 15826), (235, 15829), (238, 15832), (247, 15844), (262, 15874), (270, 15892), (302, 15946), (307, 15958), (310, 15964), (322, 15985), (343, 16033), (354, 16057), (364, 16072), (366, 16075), (382, 16096), (431, 16228), (432, 16231), (434, 16237), (450, 16270), (459, 16288), (475, 16321), (510, 16372), (515,

16387), (523, 16423),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Asayake_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 68

Candidate Starts for Ashertheman_34:

(Start: 68 @28975 has 42 MA's), (164, 29161), (170, 29173), (177, 29185), (184, 29200), (188, 29212), (198, 29239), (210, 29254), (217, 29281), (261, 29371), (278, 29407), (307, 29467), (322, 29491), (330, 29503), (354, 29563), (400, 29653), (443, 29767), (448, 29779), (479, 29845), (489, 29860), (509, 29884), (513, 29896),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 28

Candidate Starts for Atiba_22:

(Start: 28 @15980 has 209 MA's), (54, 16097), (116, 16187), (Start: 123 @16208 has 1 MA's), (Start: 130 @16229 has 1 MA's), (141, 16256), (259, 16511), (301, 16592), (329, 16667), (333, 16682), (400, 16793), (416, 16835), (454, 16928), (467, 16952), (514, 17045), (523, 17084), (528, 17102),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 79

Candidate Starts for Auspice_27:

(Start: 79 @21457 has 19 MA's), (134, 21559), (143, 21577), (153, 21592), (185, 21664), (188, 21673), (228, 21751), (296, 21886), (298, 21889), (300, 21892), (332, 21961), (352, 22003), (354, 22009), (417, 22150), (429, 22171), (434, 22183), (508, 22306), (512, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 84

Candidate Starts for AvadaKedavra_17:

(48, 15811), (Start: 71 @15847 has 9 MA's), (Start: 84 @15865 has 9 MA's), (106, 15889), (120, 15919), (124, 15934), (138, 15967), (217, 16111), (298, 16267), (300, 16270), (302, 16276), (324, 16321), (335, 16348), (354, 16387), (374, 16420), (382, 16429), (390, 16456), (441, 16576), (465, 16624), (510, 16690), (512, 16696), (521, 16735),

Gene: Avani_18 Start: 12813, Stop: 13742, Start Num: 81

Candidate Starts for Avani_18:

(Start: 81 @12813 has 8 MA's), (120, 12873), (138, 12924), (186, 13023), (188, 13029), (194, 13044), (247, 13164), (258, 13182), (291, 13248), (300, 13260), (321, 13305), (341, 13344), (343, 13350), (354, 13374), (355, 13377), (357, 13380), (364, 13389), (366, 13392), (398, 13458), (405, 13479), (406, 13482), (418, 13518), (431, 13545), (432, 13548), (450, 13587), (459, 13605), (462, 13611), (479, 13647), (483, 13653), (505, 13677), (508, 13683), (510, 13689),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 29

Candidate Starts for Avocado_17:

(Start: 29 @15733 has 2 MA's), (54, 15862), (65, 15880), (105, 15931), (116, 15955), (Start: 130 @15997 has 1 MA's), (131, 16000), (140, 16021), (145, 16030), (161, 16066), (180, 16102), (183, 16108), (189, 16126), (216, 16177), (278, 16312), (305, 16366), (327, 16426), (400, 16591), (416, 16633), (449, 16711), (501, 16807), (502, 16810), (521, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Avrafan_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216,

15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Axym_17 Start: 14764, Stop: 15735, Start Num: 92

Candidate Starts for Axym_17:

(Start: 92 @14764 has 54 MA's), (117, 14809), (124, 14830), (153, 14893), (161, 14917), (177, 14947), (193, 14986), (212, 15025), (215, 15034), (216, 15037), (242, 15103), (262, 15151), (286, 15193), (310, 15241), (330, 15292), (354, 15352), (364, 15367), (366, 15370), (372, 15388), (379, 15394), (395, 15439), (405, 15466), (411, 15484), (431, 15535), (432, 15538), (445, 15568), (448, 15577), (453, 15592), (483, 15649), (514, 15697), (518, 15721), (520, 15727),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 55

Candidate Starts for Ayotoya_21:

(Start: 55 @17079 has 16 MA's), (91, 17124), (110, 17154), (154, 17262), (219, 17412), (232, 17460), (274, 17544), (279, 17553), (302, 17595), (377, 17772), (409, 17841), (480, 18003), (501, 18036), (522, 18108), (523, 18111),

Gene: Azira_19 Start: 15745, Stop: 16710, Start Num: 92

Candidate Starts for Azira_19:

(Start: 92 @15745 has 54 MA's), (117, 15790), (Start: 129 @15826 has 22 MA's), (138, 15847), (153, 15874), (177, 15928), (212, 16009), (215, 16018), (216, 16021), (242, 16090), (262, 16138), (273, 16162), (310, 16228), (316, 16243), (335, 16282), (405, 16438), (431, 16504), (432, 16507), (433, 16510), (445, 16537), (448, 16546), (459, 16570), (475, 16603), (484, 16621), (512, 16666), (518, 16696), (520, 16702),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 79

Candidate Starts for Aziz_31:

(Start: 79 @22046 has 19 MA's), (Start: 87 @22055 has 65 MA's), (120, 22109), (131, 22145), (134, 22148), (143, 22166), (153, 22181), (157, 22190), (184, 22250), (185, 22253), (298, 22478), (300, 22481), (311, 22511), (354, 22598), (417, 22739), (441, 22787), (457, 22820), (520, 22943),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 127

Candidate Starts for Azula_20:

(Start: 127 @16105 has 13 MA's), (Start: 137 @16120 has 1 MA's), (185, 16222), (200, 16261), (230, 16342), (272, 16426), (281, 16441), (326, 16549), (356, 16633), (394, 16699), (396, 16705), (411, 16744), (452, 16834), (483, 16876),

Gene: BBQValindra_18 Start: 15702, Stop: 16631, Start Num: 88

Candidate Starts for BBQValindra_18:

(22, 15468), (34, 15567), (69, 15681), (Start: 88 @15702 has 13 MA's), (Start: 97 @15711 has 11 MA's), (120, 15753), (Start: 123 @15765 has 1 MA's), (220, 15987), (251, 16056), (257, 16062), (260, 16071), (262, 16077), (276, 16107), (296, 16137), (310, 16167), (311, 16173), (343, 16236), (354, 16260), (388, 16317), (395, 16338), (418, 16404), (450, 16473), (511, 16578), (518, 16611),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for BEEST_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: BENtherdunthat_19 Start: 15508, Stop: 16431, Start Num: 94

Candidate Starts for BENtherdunthat_19:

(Start: 94 @15508 has 13 MA's), (Start: 97 @15511 has 11 MA's), (106, 15523), (115, 15541), (131, 15586), (153, 15625), (170, 15664), (186, 15697), (188, 15703), (215, 15772), (233, 15826), (235, 15829), (238, 15832), (247, 15844), (262, 15874), (270, 15892), (302, 15946), (307, 15958), (310, 15964), (322, 15985), (343, 16033), (354, 16057), (364, 16072), (366, 16075), (382, 16096), (431, 16228), (432, 16231), (434, 16237), (450, 16270), (459, 16288), (475, 16321), (510, 16372), (515, 16387), (523, 16423),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for BGlluviae_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for BPs_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 28

Candidate Starts for BQuat_17:

(6, 15135), (Start: 28 @15468 has 209 MA's), (54, 15588), (65, 15606), (101, 15651), (105, 15657), (Start: 129 @15720 has 22 MA's), (145, 15756), (178, 15825), (180, 15828), (188, 15849), (216, 15903), (231, 15948), (249, 15978), (300, 16080), (305, 16092), (310, 16104), (314, 16122), (385, 16287), (400, 16317), (409, 16335), (416, 16359), (468, 16479), (514, 16569), (521, 16602),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 60

Candidate Starts for Bachita_49:

(Start: 60 @29142 has 9 MA's), (98, 29190), (116, 29217), (142, 29289), (176, 29355), (188, 29385), (251, 29493), (300, 29586), (310, 29610), (313, 29625), (366, 29721), (400, 29769), (494, 29949), (509, 29985),

Gene: BackstagePass_18 Start: 15842, Stop: 16771, Start Num: 88

Candidate Starts for BackstagePass_18:

(Start: 88 @15842 has 13 MA's), (Start: 97 @15851 has 11 MA's), (120, 15893), (Start: 123 @15905 has 1 MA's), (186, 16043), (220, 16127), (251, 16196), (257, 16202), (260, 16211), (262, 16217), (276, 16247), (296, 16277), (310, 16307), (311, 16313), (343, 16376), (354, 16400), (388, 16457), (395, 16478), (418, 16544), (450, 16613), (518, 16751),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 68

Candidate Starts for Baddon_33:

(Start: 68 @29772 has 42 MA's), (153, 29928), (164, 29958), (170, 29970), (172, 29973), (177, 29982), (184, 29997), (188, 30009), (261, 30168), (278, 30204), (307, 30264), (330, 30300), (354, 30360), (400, 30450), (433, 30540), (443, 30564), (448, 30576), (479, 30642), (489, 30657), (509, 30681), (513, 30693),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 28

Candidate Starts for BaghaKamala_22:

(Start: 28 @15980 has 209 MA's), (54, 16097), (116, 16187), (Start: 123 @16208 has 1 MA's), (Start: 130 @16229 has 1 MA's), (141, 16256), (259, 16511), (301, 16592), (329, 16667), (333, 16682), (400, 16793), (416, 16835), (454, 16928), (467, 16952), (514, 17045), (523, 17084), (528, 17102),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 74

Candidate Starts for Bakery_31:

(Start: 74 @24839 has 30 MA's), (Start: 129 @24935 has 22 MA's), (161, 25004), (164, 25010), (170, 25022), (172, 25025), (177, 25034), (184, 25049), (261, 25223), (278, 25259), (341, 25376), (354, 25406), (415, 25541), (431, 25577), (443, 25607), (448, 25619), (484, 25694), (505, 25715),

Gene: Banquo_25 Start: 16992, Stop: 17822, Start Num: 92

Candidate Starts for Banquo_25:

(Start: 89 @16989 has 6 MA's), (Start: 92 @16992 has 54 MA's), (108, 17007), (120, 17037), (122, 17046), (Start: 130 @17070 has 1 MA's), (184, 17184), (186, 17190), (190, 17202), (195, 17214), (246, 17313), (289, 17400), (303, 17424), (346, 17508), (360, 17532), (362, 17535), (389, 17571), (429, 17652), (460, 17718), (471, 17742), (476, 17754), (478, 17757),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 56

Candidate Starts for Bantam_29:

(Start: 56 @26180 has 9 MA's), (Start: 70 @26201 has 4 MA's), (142, 26327), (149, 26336), (217, 26456), (237, 26507), (245, 26516), (259, 26552), (300, 26624), (302, 26630), (366, 26759), (400, 26807), (435, 26882), (457, 26930),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 87

Candidate Starts for Baoshan_16:

(Start: 87 @15899 has 65 MA's), (106, 15923), (120, 15953), (157, 16034), (177, 16079), (296, 16304), (298, 16307), (300, 16310), (311, 16340), (340, 16397), (354, 16427), (390, 16496), (398, 16514), (429, 16589), (434, 16601), (465, 16664), (479, 16691), (512, 16754), (521, 16793), (524, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 74

Candidate Starts for Barb_32:

(Start: 74 @25634 has 30 MA's), (Start: 129 @25739 has 22 MA's), (161, 25808), (164, 25814), (177, 25838), (184, 25853), (354, 26213), (364, 26228), (378, 26246), (415, 26348), (433, 26390), (448, 26426), (505, 26522), (519, 26573),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 126

Candidate Starts for Barco_18:

(Start: 126 @15787 has 6 MA's), (Start: 129 @15793 has 22 MA's), (200, 15949), (230, 16030), (281, 16129), (326, 16237), (356, 16321), (396, 16393), (452, 16522), (466, 16549), (483, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 28

Candidate Starts for Barkley26_17:

(6, 15147), (Start: 28 @15480 has 209 MA's), (54, 15600), (65, 15618), (101, 15663), (105, 15669), (Start: 129 @15732 has 22 MA's), (145, 15768), (178, 15837), (180, 15840), (188, 15861), (216, 15915), (231, 15960), (249, 15990), (300, 16092), (305, 16104), (310, 16116), (314, 16134), (385, 16299), (400, 16329), (409, 16347), (416, 16371), (460, 16473), (468, 16491), (514, 16581), (521, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 28

Candidate Starts for BarrelRoll_22:

(Start: 28 @16003 has 209 MA's), (54, 16120), (116, 16210), (Start: 123 @16231 has 1 MA's), (Start: 130 @16252 has 1 MA's), (141, 16279), (259, 16534), (301, 16615), (329, 16690), (333, 16705), (400, 16816), (416, 16858), (454, 16951), (467, 16975), (514, 17068), (523, 17107), (528, 17125),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 68

Candidate Starts for Barsten_34:

(Start: 68 @29324 has 42 MA's), (164, 29510), (170, 29522), (184, 29549), (191, 29570), (217, 29630), (260, 29717), (261, 29720), (278, 29756), (294, 29789), (302, 29804), (307, 29816), (325, 29846), (330, 29852), (354, 29912), (400, 30002), (433, 30092), (443, 30116), (448, 30128), (479, 30194), (513, 30245),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 87

Candidate Starts for Baudelaire_17:

(59, 15389), (69, 15404), (Start: 87 @15428 has 65 MA's), (106, 15452), (124, 15497), (Start: 129 @15512 has 22 MA's), (138, 15530), (177, 15608), (255, 15761), (258, 15770), (300, 15833), (352, 15944), (354, 15950), (357, 15956), (382, 15992), (390, 16019), (402, 16043), (408, 16061), (411, 16070), (412, 16073), (429, 16112), (441, 16139), (465, 16187), (476, 16208), (521, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 68

Candidate Starts for Baumdotcom_33:

(Start: 68 @28596 has 42 MA's), (164, 28782), (170, 28794), (177, 28806), (184, 28821), (188, 28833), (198, 28860), (210, 28875), (217, 28902), (261, 28992), (278, 29028), (307, 29088), (322, 29112), (330, 29124), (354, 29184), (400, 29274), (443, 29388), (448, 29400), (479, 29466), (489, 29481), (509, 29505), (513, 29517),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 87

Candidate Starts for Bazzle_17:

(Start: 87 @16039 has 65 MA's), (106, 16063), (120, 16093), (177, 16219), (296, 16444), (298, 16447), (300, 16450), (340, 16537), (352, 16561), (354, 16567), (390, 16636), (398, 16654), (406, 16672), (407, 16675), (465, 16804), (479, 16831), (487, 16843), (521, 16933), (524, 16945),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 87

Candidate Starts for Beelzebub_53:

(Start: 87 @26710 has 65 MA's), (153, 26842), (161, 26866), (165, 26875), (169, 26881), (174, 26890), (185, 26914), (188, 26923), (193, 26935), (250, 27061), (289, 27142), (300, 27157), (302, 27163), (352, 27271), (411, 27397), (413, 27403), (490, 27553), (493, 27559), (500, 27571), (501, 27574), (526, 27661), (527, 27664), (529, 27667),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 28

Candidate Starts for Beezoo_22:

(Start: 28 @16027 has 209 MA's), (54, 16144), (116, 16234), (Start: 123 @16255 has 1 MA's), (Start: 130 @16276 has 1 MA's), (141, 16303), (259, 16558), (301, 16639), (329, 16714), (333, 16729), (400, 16840), (416, 16882), (454, 16975), (467, 16999), (514, 17092), (523, 17131), (528, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 129

Candidate Starts for Begonia_19:

(Start: 126 @16265 has 6 MA's), (Start: 129 @16271 has 22 MA's), (200, 16427), (230, 16508), (281, 16607), (326, 16715), (356, 16799), (396, 16871), (452, 17000), (483, 17042),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 28

Candidate Starts for Bella96_22:

(Start: 28 @15947 has 209 MA's), (54, 16064), (116, 16154), (Start: 123 @16175 has 1 MA's), (Start: 130 @16196 has 1 MA's), (141, 16223), (231, 16424), (259, 16478), (301, 16559), (329, 16634), (333, 16649), (416, 16802), (454, 16895), (467, 16919), (514, 17012), (523, 17051), (528, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Belladonna_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400,

16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 87

Candidate Starts for Bellis_18:

(Start: 87 @16492 has 65 MA's), (106, 16516), (124, 16561), (Start: 129 @16576 has 22 MA's), (138, 16597), (185, 16693), (255, 16828), (258, 16837), (298, 16897), (300, 16900), (302, 16906), (335, 16978), (352, 17011), (390, 17086), (412, 17140), (418, 17161), (443, 17212), (465, 17254), (521, 17365), (522, 17368),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 53

Candidate Starts for Belphegor_32:

(Start: 53 @29032 has 22 MA's), (148, 29191), (176, 29251), (225, 29347), (227, 29350), (278, 29458), (290, 29479), (331, 29581), (345, 29617), (434, 29809), (445, 29833), (447, 29839), (455, 29854), (479, 29905), (508, 29938), (509, 29941), (527, 30007),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 78

Candidate Starts for Bernal13_18:

(Start: 78 @16018 has 8 MA's), (101, 16045), (111, 16063), (190, 16240), (191, 16243), (222, 16318), (255, 16384), (266, 16411), (298, 16468), (302, 16477), (412, 16714), (419, 16738), (470, 16837), (478, 16858), (491, 16879), (509, 16918), (512, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 55

Candidate Starts for BetterKatz_21:

(Start: 55 @16552 has 16 MA's), (91, 16597), (110, 16627), (154, 16735), (219, 16885), (232, 16933), (274, 17017), (279, 17026), (302, 17068), (377, 17245), (391, 17278), (409, 17314), (501, 17509), (522, 17581), (523, 17584),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 104

Candidate Starts for BiPauneto_43:

(Start: 104 @28641 has 7 MA's), (135, 28722), (158, 28767), (189, 28836), (259, 29004), (303, 29088), (327, 29139), (343, 29172), (428, 29370), (436, 29388), (462, 29430), (508, 29520), (510, 29526), (516, 29547),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 68

Candidate Starts for Bibwit_33:

(Start: 68 @29511 has 42 MA's), (164, 29697), (170, 29709), (184, 29736), (261, 29907), (278, 29943), (294, 29976), (302, 29991), (307, 30003), (325, 30033), (330, 30039), (354, 30099), (400, 30189), (433, 30279), (443, 30303), (448, 30315), (479, 30381), (513, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for BigCheese_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: BigChungus_16 Start: 14508, Stop: 15464, Start Num: 92

Candidate Starts for BigChungus_16:

(Start: 92 @14508 has 54 MA's), (117, 14553), (138, 14610), (153, 14637), (177, 14691), (188, 14718), (212, 14769), (213, 14772), (215, 14778), (216, 14781), (233, 14835), (245, 14850), (262, 14895), (273, 14919), (310, 14985), (354, 15081), (432, 15267), (445, 15297), (448, 15306), (459, 15330), (475, 15363), (518, 15450), (520, 15456),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 28

Candidate Starts for Biglebops_18:

(Start: 28 @15554 has 209 MA's), (54, 15677), (116, 15767), (141, 15836), (188, 15935), (189, 15938), (231, 16037), (301, 16172), (400, 16373), (416, 16415), (417, 16418), (454, 16508), (467, 16532), (514, 16625), (523, 16664), (528, 16682),

Gene: BillDoor_19 Start: 14397, Stop: 15368, Start Num: 92

Candidate Starts for BillDoor_19:

(Start: 92 @14397 has 54 MA's), (117, 14442), (124, 14463), (Start: 129 @14478 has 22 MA's), (138, 14499), (161, 14550), (177, 14580), (188, 14607), (212, 14658), (215, 14667), (216, 14670), (233, 14724), (242, 14736), (262, 14784), (310, 14874), (330, 14925), (341, 14955), (354, 14985), (366, 15003), (405, 15099), (411, 15117), (431, 15168), (432, 15171), (445, 15201), (448, 15210), (453, 15225), (483, 15282), (514, 15330), (518, 15354), (520, 15360),

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

Candidate Starts for Bipper_23:

(Start: 41 @18745 has 4 MA's), (Start: 81 @18811 has 8 MA's), (Start: 89 @18820 has 6 MA's), (Start: 123 @18883 has 1 MA's), (Start: 129 @18901 has 22 MA's), (131, 18907), (188, 19030), (202, 19057), (204, 19060), (218, 19081), (265, 19183), (269, 19192), (282, 19219), (314, 19294), (340, 19336), (352, 19363), (388, 19408), (400, 19432), (401, 19435), (418, 19477), (439, 19525), (442, 19534), (461, 19576), (467, 19588), (504, 19645), (523, 19714),

Gene: Biskit_18 Start: 14412, Stop: 15383, Start Num: 92

Candidate Starts for Biskit_18:

(Start: 92 @14412 has 54 MA's), (117, 14457), (124, 14478), (153, 14541), (161, 14565), (177, 14595), (212, 14673), (215, 14682), (216, 14685), (242, 14751), (262, 14799), (286, 14841), (302, 14871), (310, 14889), (330, 14940), (354, 15000), (364, 15015), (366, 15018), (379, 15042), (405, 15114), (411, 15132), (431, 15183), (432, 15186), (445, 15216), (448, 15225), (453, 15240), (483, 15297), (514, 15345), (518, 15369), (520, 15375),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 68

Candidate Starts for Bizzy_34:

(Start: 68 @28919 has 42 MA's), (153, 29075), (164, 29105), (170, 29117), (177, 29129), (184, 29144), (188, 29156), (261, 29315), (278, 29351), (307, 29411), (330, 29447), (354, 29507), (400, 29597), (433, 29687), (443, 29711), (448, 29723), (479, 29789), (489, 29804), (509, 29828), (513, 29840),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 87

Candidate Starts for Blackbeetle_49:

(Start: 87 @25756 has 65 MA's), (153, 25888), (161, 25912), (165, 25921), (169, 25927), (174, 25936), (185, 25960), (188, 25969), (193, 25981), (198, 25993), (250, 26107), (289, 26188), (300, 26203), (302, 26209), (352, 26317), (411, 26443), (413, 26449), (490, 26599), (493, 26605), (500, 26617), (501, 26620), (526, 26707), (527, 26710), (529, 26713),

Gene: Blarby_19 Start: 13331, Stop: 14263, Start Num: 81

Candidate Starts for Blarby_19:

(Start: 81 @13331 has 8 MA's), (138, 13442), (186, 13541), (188, 13547), (194, 13562), (213, 13604), (247, 13682), (258, 13700), (291, 13766), (321, 13823), (341, 13862), (354, 13892), (364, 13907), (366, 13910), (382, 13931), (398, 13976), (405, 13997), (406, 14000), (418, 14036), (431, 14063), (432, 14066), (450, 14105), (459, 14123), (479, 14165), (505, 14195), (506, 14198), (508, 14204), (510, 14210),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 129

Candidate Starts for BlingBling_18:

(Start: 126 @15787 has 6 MA's), (Start: 129 @15793 has 22 MA's), (200, 15949), (230, 16030), (281, 16129), (326, 16237), (356, 16321), (396, 16393), (452, 16522), (466, 16549), (483, 16564),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 129

Candidate Starts for Blino_18:

(Start: 126 @15755 has 6 MA's), (Start: 129 @15761 has 22 MA's), (200, 15917), (230, 15998), (281, 16097), (326, 16205), (356, 16289), (394, 16355), (396, 16361), (452, 16490), (483, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Blizzard_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 64

Candidate Starts for BlueNGold_99:

(Start: 64 @59080 has 5 MA's), (76, 59095), (Start: 81 @59101 has 8 MA's), (86, 59107), (140, 59224), (144, 59227), (168, 59278), (185, 59314), (257, 59449), (273, 59485), (290, 59515), (401, 59767), (418, 59812), (431, 59842), (433, 59848), (445, 59875), (469, 59914), (512, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 127

Candidate Starts for Blueberry_20:

(Start: 127 @16105 has 13 MA's), (Start: 137 @16120 has 1 MA's), (185, 16222), (200, 16261), (230, 16342), (272, 16426), (281, 16441), (326, 16549), (356, 16633), (394, 16699), (396, 16705), (411, 16744), (452, 16834), (483, 16876),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 68

Candidate Starts for BobBob_31:

(Start: 68 @28792 has 42 MA's), (164, 28978), (170, 28990), (184, 29017), (191, 29038), (217, 29098), (261, 29188), (278, 29224), (294, 29257), (302, 29272), (307, 29284), (325, 29314), (330, 29320), (354, 29380), (400, 29470), (433, 29560), (443, 29584), (448, 29596), (479, 29662), (489, 29677), (509, 29701), (513, 29713), (519, 29743),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for BobsGarage_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 55

Candidate Starts for Bock_21:

(Start: 55 @16302 has 16 MA's), (91, 16347), (110, 16377), (145, 16470), (154, 16485), (219, 16635), (232, 16683), (274, 16767), (279, 16776), (302, 16818), (377, 16995), (391, 17028), (409, 17064), (501, 17259), (522, 17331), (523, 17334),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 28

Candidate Starts for Boiiii_22:

(Start: 28 @16053 has 209 MA's), (54, 16170), (116, 16260), (Start: 123 @16281 has 1 MA's), (Start: 130 @16302 has 1 MA's), (141, 16329), (259, 16584), (301, 16665), (329, 16740), (333, 16755), (400, 16866), (416, 16908), (454, 17001), (467, 17025), (514, 17118), (523, 17157), (528, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 26

Candidate Starts for Boilgate_19:

(Start: 26 @16429 has 1 MA's), (32, 16453), (43, 16525), (54, 16555), (Start: 58 @16561 has 1 MA's), (101, 16618), (Start: 129 @16684 has 22 MA's), (Start: 130 @16687 has 1 MA's), (140, 16711), (151, 16729), (167, 16768), (186, 16807), (188, 16813), (205, 16846), (231, 16915), (259, 16969), (283, 17017), (293, 17035), (296, 17038), (300, 17044), (388, 17221), (400, 17245), (416, 17287), (417, 17290), (429, 17320), (439, 17341), (454, 17380), (461, 17392), (463, 17395), (509, 17482), (514, 17497), (523, 17536), (528, 17554),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 79

Candidate Starts for Bongo_27:

(Start: 79 @21457 has 19 MA's), (134, 21559), (143, 21577), (153, 21592), (185, 21664), (188, 21673), (228, 21751), (296, 21886), (298, 21889), (300, 21892), (332, 21961), (352, 22003), (354, 22009), (417, 22150), (429, 22171), (434, 22183), (508, 22306), (512, 22318),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 100

Candidate Starts for Bonum_43:

(Start: 100 @29225 has 6 MA's), (135, 29306), (156, 29342), (216, 29489), (327, 29723), (341, 29750), (365, 29801), (405, 29894), (462, 30011), (510, 30107), (512, 30113), (516, 30128),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 64

Candidate Starts for Boopy_100:

(Start: 64 @59092 has 5 MA's), (76, 59107), (Start: 81 @59113 has 8 MA's), (86, 59119), (140, 59236), (144, 59239), (168, 59290), (185, 59326), (257, 59461), (273, 59497), (290, 59527), (401, 59779), (418, 59824), (431, 59854), (433, 59860), (445, 59887), (469, 59926), (512, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 31

Candidate Starts for BoostSeason_18:

(Start: 31 @13915 has 29 MA's), (32, 13924), (54, 14026), (116, 14116), (Start: 130 @14158 has 1 MA's), (141, 14185), (186, 14278), (188, 14284), (218, 14347), (231, 14386), (259, 14440), (300, 14518), (317, 14569), (328, 14593), (366, 14671), (385, 14689), (400, 14719), (416, 14761), (417, 14764), (467, 14878), (509, 14956), (514, 14971), (523, 15010), (528, 15028),

Gene: Bowser_18 Start: 15695, Stop: 16621, Start Num: 88

Candidate Starts for Bowser_18:

(13, 15356), (17, 15431), (69, 15677), (Start: 88 @15695 has 13 MA's), (Start: 97 @15704 has 11 MA's), (120, 15746), (Start: 123 @15758 has 1 MA's), (220, 15980), (235, 16025), (251, 16049), (257, 16055), (260, 16064), (262, 16070), (276, 16100), (296, 16130), (310, 16160), (311, 16166), (342, 16226), (343, 16229), (354, 16253), (388, 16310), (395, 16331), (418, 16397), (450, 16466), (476, 16520), (518, 16604),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 68

Candidate Starts for Brandonk123_35:

(Start: 68 @29858 has 42 MA's), (164, 30044), (170, 30056), (184, 30083), (191, 30104), (217, 30164), (261, 30254), (278, 30290), (294, 30323), (302, 30338), (307, 30350), (325, 30380), (330, 30386), (354, 30446), (400, 30536), (433, 30626), (443, 30650), (448, 30662), (479, 30728), (509, 30767), (513, 30779),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 97

Candidate Starts for Braxoaddie_44:

(Start: 97 @30405 has 11 MA's), (Start: 118 @30441 has 2 MA's), (173, 30558), (189, 30597), (196, 30615), (216, 30666), (259, 30765), (300, 30840), (303, 30849), (334, 30924), (343, 30945), (405, 31083), (416, 31119), (434, 31158), (462, 31200), (496, 31263), (510, 31296),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Breezona_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 79

Candidate Starts for Bricole_27:

(Start: 79 @21443 has 19 MA's), (134, 21545), (143, 21563), (153, 21578), (185, 21650), (188, 21659), (228, 21737), (296, 21872), (298, 21875), (300, 21878), (332, 21947), (352, 21989), (354, 21995), (417, 22136), (429, 22157), (434, 22169), (508, 22292), (512, 22304),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 87

Candidate Starts for Bromden_18:

(Start: 87 @16160 has 65 MA's), (106, 16184), (Start: 118 @16211 has 2 MA's), (120, 16214), (124, 16229), (138, 16262), (185, 16358), (255, 16493), (258, 16502), (300, 16565), (335, 16643), (342, 16658), (354, 16682), (390, 16751), (402, 16775), (408, 16793), (412, 16805), (441, 16871), (465, 16919), (479, 16946), (521, 17030),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for BruceB_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 60

Candidate Starts for BrutonGaster_35:

(43, 25015), (Start: 50 @25036 has 1 MA's), (Start: 60 @25054 has 9 MA's), (98, 25102), (142, 25201), (218, 25333), (269, 25444), (300, 25498), (310, 25522), (313, 25537), (366, 25633), (400, 25681), (411, 25699), (482, 25846), (508, 25894), (509, 25897),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 28

Candidate Starts for Bryler_21:

(Start: 28 @15211 has 209 MA's), (54, 15331), (116, 15421), (141, 15490), (231, 15691), (333, 15916), (364, 15976), (385, 15997), (416, 16069), (417, 16072), (418, 16075), (454, 16162), (467, 16186), (509, 16264), (514, 16279), (523, 16318), (528, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 55

Candidate Starts for Brylie_21:

(Start: 55 @16293 has 16 MA's), (91, 16338), (110, 16368), (154, 16476), (219, 16626), (232, 16674), (274, 16758), (279, 16767), (302, 16809), (377, 16986), (391, 17019), (409, 17055), (501, 17250), (522, 17322), (523, 17325),

Gene: Budski_19 Start: 15501, Stop: 16424, Start Num: 94

Candidate Starts for Budski_19:

(Start: 94 @15501 has 13 MA's), (Start: 97 @15504 has 11 MA's), (106, 15516), (115, 15534), (131, 15579), (153, 15618), (170, 15657), (186, 15690), (188, 15696), (215, 15765), (233, 15819), (235, 15822), (238, 15825), (247, 15837), (258, 15855), (260, 15861), (262, 15867), (270, 15885), (302, 15939), (307, 15951), (310, 15957), (322, 15978), (343, 16026), (352, 16044), (354, 16050), (364, 16065), (366, 16068), (431, 16221), (432, 16224), (434, 16230), (450, 16263), (459, 16281), (475, 16314), (510, 16365), (515, 16380), (523, 16416),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 100

Candidate Starts for Buggaboo_41:

(Start: 100 @29704 has 6 MA's), (135, 29785), (156, 29821), (194, 29911), (216, 29968), (327, 30202), (341, 30229), (365, 30280), (405, 30373), (462, 30490), (510, 30586), (512, 30592), (516, 30607),

Gene: Bunker_18 Start: 15822, Stop: 16751, Start Num: 88

Candidate Starts for Bunker_18:

(20, 15585), (69, 15801), (Start: 88 @15822 has 13 MA's), (Start: 97 @15831 has 11 MA's), (120, 15873), (Start: 123 @15885 has 1 MA's), (220, 16107), (235, 16152), (251, 16176), (257, 16182), (260, 16191), (262, 16197), (276, 16227), (296, 16257), (310, 16287), (311, 16293), (343, 16356), (354, 16380), (388, 16437), (395, 16458), (418, 16524), (450, 16593), (518, 16731),

Gene: Burnsey_17 Start: 14765, Stop: 15736, Start Num: 92

Candidate Starts for Burnsey_17:

(Start: 92 @14765 has 54 MA's), (117, 14810), (124, 14831), (153, 14894), (161, 14918), (177, 14948), (193, 14987), (212, 15026), (215, 15035), (216, 15038), (242, 15104), (262, 15152), (286, 15194), (310, 15242), (330, 15293), (354, 15353), (364, 15368), (366, 15371), (372, 15389), (379, 15395), (395, 15440), (405, 15467), (411, 15485), (432, 15539), (445, 15569), (448, 15578), (453, 15593), (483, 15650), (514, 15698), (518, 15722), (520, 15728),

Gene: Button_18 Start: 13831, Stop: 14790, Start Num: 92

Candidate Starts for Button_18:

(Start: 92 @13831 has 54 MA's), (Start: 118 @13879 has 2 MA's), (120, 13882), (153, 13960), (190, 14047), (215, 14101), (245, 14173), (255, 14197), (262, 14218), (310, 14308), (318, 14323), (326, 14338), (354, 14410), (395, 14497), (431, 14590), (432, 14593), (445, 14623), (448, 14632), (459, 14656), (475, 14689), (479, 14698), (483, 14704), (515, 14755), (518, 14776), (520, 14782),

Gene: Buttrmlkdreams_17 Start: 14394, Stop: 15365, Start Num: 92

Candidate Starts for Buttrmlkdreams_17:

(Start: 92 @14394 has 54 MA's), (117, 14439), (124, 14460), (153, 14523), (161, 14547), (177, 14577), (212, 14655), (215, 14664), (216, 14667), (242, 14733), (262, 14781), (286, 14823), (302, 14853), (310, 14871), (330, 14922), (354, 14982), (364, 14997), (366, 15000), (379, 15024), (405, 15096), (411, 15114), (431, 15165), (432, 15168), (445, 15198), (448, 15207), (453, 15222), (483, 15279), (514, 15327), (518, 15351), (520, 15357),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 93

Candidate Starts for C3PO_30:

(Start: 93 @27616 has 8 MA's), (107, 27640), (Start: 123 @27685 has 1 MA's), (149, 27745), (166, 27784), (210, 27880), (276, 28042), (297, 28075), (341, 28150), (350, 28174), (396, 28249), (420, 28315), (439, 28351), (459, 28378), (492, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for CLED96_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for CREW_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 82

Candidate Starts for Cafasso_18:

(9, 15190), (Start: 82 @15643 has 11 MA's), (102, 15670), (Start: 118 @15703 has 2 MA's), (162, 15805), (177, 15832), (187, 15856), (237, 15958), (255, 15991), (267, 16021), (296, 16057), (300, 16063), (303, 16072), (339, 16150), (352, 16180), (354, 16186), (364, 16201), (406, 16306), (434, 16372), (485, 16471), (510, 16504), (518, 16540),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 28

Candidate Starts for Cain_21:

(Start: 28 @15199 has 209 MA's), (54, 15319), (116, 15409), (141, 15478), (231, 15679), (333, 15904), (364, 15964), (385, 15985), (416, 16057), (417, 16060), (418, 16063), (454, 16150), (467, 16174), (509, 16252), (514, 16267), (523, 16306), (528, 16324),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 71

Candidate Starts for Calm_17:

(Start: 71 @15861 has 9 MA's), (Start: 84 @15879 has 9 MA's), (106, 15903), (120, 15933), (124, 15948), (138, 15981), (217, 16125), (252, 16206), (298, 16281), (300, 16284), (302, 16290), (324, 16335), (335, 16362), (352, 16395), (354, 16401), (374, 16434), (382, 16443), (390, 16470), (441, 16590), (465, 16638), (510, 16704), (512, 16710), (521, 16749),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 29

Candidate Starts for Cambiare_18:

(Start: 29 @16198 has 2 MA's), (54, 16327), (65, 16345), (105, 16396), (116, 16420), (Start: 130 @16462 has 1 MA's), (131, 16465), (140, 16486), (145, 16495), (161, 16531), (180, 16567), (183, 16573), (189, 16591), (216, 16642), (278, 16777), (305, 16831), (327, 16891), (400, 17056), (416, 17098), (449, 17176), (501, 17272), (502, 17275), (521, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Camri_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Caprice_46 Start: 25826, Stop: 26788, Start Num: 87

Candidate Starts for Caprice_46:

(Start: 87 @25826 has 65 MA's), (153, 25958), (161, 25982), (165, 25991), (169, 25997), (174, 26006), (185, 26030), (188, 26039), (193, 26051), (250, 26177), (289, 26258), (300, 26273), (302, 26279), (352, 26387), (411, 26513), (413, 26519), (447, 26594), (490, 26669), (493, 26675), (500, 26687), (501, 26690), (526, 26777), (527, 26780), (529, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Capricorn_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 129

Candidate Starts for CaptainKirk2_18:

(Start: 126 @15811 has 6 MA's), (Start: 129 @15817 has 22 MA's), (200, 15973), (230, 16054), (281, 16153), (326, 16261), (356, 16345), (394, 16411), (411, 16456), (452, 16546), (483, 16588),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 47

Candidate Starts for Cardigan_46:

(Start: 47 @29891 has 2 MA's), (116, 29978), (140, 30044), (149, 30059), (242, 30236), (269, 30293), (300, 30347), (310, 30371), (354, 30470), (366, 30488), (400, 30536), (411, 30554), (418, 30578), (508, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 129

Candidate Starts for CarolAnn_18:

(Start: 126 @15754 has 6 MA's), (Start: 129 @15760 has 22 MA's), (200, 15916), (230, 15997), (281, 16096), (326, 16204), (356, 16288), (394, 16354), (396, 16360), (452, 16489), (483, 16531),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for CaseJules_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for CassieYates_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Catfish_21 Start: 17616, Stop: 18467, Start Num: 89

Candidate Starts for Catfish_21:

(Start: 89 @17616 has 6 MA's), (Start: 92 @17619 has 54 MA's), (105, 17640), (120, 17676), (Start: 130 @17709 has 1 MA's), (161, 17778), (184, 17823), (195, 17853), (264, 17988), (277, 18015), (289, 18039), (302, 18060), (362, 18180), (411, 18246), (413, 18252), (503, 18447),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Cedasite_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 68

Candidate Starts for ChadMasterC_34:

(Start: 68 @30723 has 42 MA's), (164, 30909), (170, 30921), (184, 30948), (191, 30969), (217, 31029), (260, 31116), (261, 31119), (278, 31155), (294, 31188), (302, 31203), (307, 31215), (325, 31245), (330, 31251), (354, 31311), (400, 31401), (433, 31491), (443, 31515), (448, 31527), (479, 31593), (509, 31632), (513, 31644),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Chance64_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 28

Candidate Starts for Chancellor_23:

(Start: 28 @17500 has 209 MA's), (32, 17518), (43, 17590), (54, 17620), (116, 17710), (Start: 130 @17752 has 1 MA's), (140, 17776), (189, 17881), (259, 18034), (296, 18103), (300, 18109), (366, 18262), (385, 18280), (400, 18310), (416, 18352), (417, 18355), (514, 18562), (523, 18601), (528, 18619),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 68

Candidate Starts for Charming_34:

(Start: 68 @29358 has 42 MA's), (164, 29544), (170, 29556), (184, 29583), (191, 29604), (217, 29664), (261, 29754), (278, 29790), (294, 29823), (302, 29838), (307, 29850), (325, 29880), (330, 29886), (354, 29946), (400, 30036), (433, 30126), (443, 30150), (448, 30162), (479, 30228), (489, 30243), (509, 30267), (513, 30279), (519, 30309),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 87

Candidate Starts for Chaser_17:

(Start: 87 @15760 has 65 MA's), (106, 15784), (Start: 118 @15811 has 2 MA's), (120, 15814), (124, 15829), (138, 15862), (185, 15958), (255, 16093), (258, 16102), (298, 16162), (300, 16165), (335, 16243), (342, 16258), (354, 16282), (382, 16324), (390, 16351), (402, 16375), (408, 16393), (429, 16444), (441, 16471), (465, 16519), (479, 16546), (521, 16630),

Gene: Che9d_18 Start: 12821, Stop: 13750, Start Num: 81

Candidate Starts for Che9d_18:

(Start: 81 @12821 has 8 MA's), (120, 12881), (138, 12932), (186, 13031), (188, 13037), (194, 13052), (247, 13172), (291, 13256), (300, 13268), (321, 13313), (341, 13352), (343, 13358), (354, 13382), (355, 13385), (357, 13388), (398, 13466), (405, 13487), (406, 13490), (418, 13526), (431, 13553), (432, 13556), (450, 13595), (459, 13613), (462, 13619), (479, 13655), (483, 13661), (505, 13685), (508, 13691), (510, 13697),

Gene: CheeseTouch_19 Start: 15504, Stop: 16424, Start Num: 97

Candidate Starts for CheeseTouch_19:

(Start: 94 @15501 has 13 MA's), (Start: 97 @15504 has 11 MA's), (106, 15516), (115, 15534), (131, 15579), (153, 15618), (170, 15657), (186, 15690), (188, 15696), (215, 15765), (235, 15822), (238, 15825), (247, 15837), (260, 15861), (262, 15867), (270, 15885), (302, 15939), (307, 15951), (310, 15957), (322, 15978), (343, 16026), (352, 16044), (354, 16050), (364, 16065), (366, 16068), (431, 16221), (432, 16224), (434, 16230), (450, 16263), (475, 16314), (510, 16365), (515, 16380), (523, 16416),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 28

Candidate Starts for CheetoDust_22:

(Start: 28 @16028 has 209 MA's), (54, 16145), (116, 16235), (Start: 123 @16256 has 1 MA's), (Start: 130 @16277 has 1 MA's), (141, 16304), (259, 16559), (301, 16640), (329, 16715), (333, 16730), (400, 16841), (416, 16883), (454, 16976), (467, 17000), (514, 17093), (523, 17132), (528, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 28

Candidate Starts for Cheetobro_23:

(Start: 28 @17497 has 209 MA's), (32, 17515), (43, 17587), (54, 17617), (116, 17707), (Start: 130 @17749 has 1 MA's), (140, 17773), (189, 17878), (259, 18031), (296, 18100), (300, 18106), (366, 18259), (385, 18277), (400, 18307), (416, 18349), (417, 18352), (514, 18559), (523, 18598), (528, 18616),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Cherrybomb426_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216,

15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: CherryonLim_18 Start: 15217, Stop: 16173, Start Num: 92

Candidate Starts for CherryonLim_18:

(Start: 92 @15217 has 54 MA's), (117, 15262), (153, 15346), (177, 15400), (188, 15427), (212, 15478), (213, 15481), (215, 15487), (216, 15490), (245, 15559), (262, 15604), (273, 15628), (310, 15694), (354, 15790), (420, 15952), (431, 15973), (432, 15976), (445, 16006), (448, 16015), (475, 16072), (518, 16159), (520, 16165),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 97

Candidate Starts for ChewyVIII_55:

(Start: 97 @37234 has 11 MA's), (141, 37336), (196, 37456), (207, 37477), (216, 37507), (226, 37546), (263, 37612), (316, 37726), (363, 37828), (378, 37855), (462, 38038), (484, 38086), (505, 38125), (507, 38131),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 53

Candidate Starts for Chickadee_31:

(Start: 53 @26548 has 22 MA's), (65, 26560), (86, 26587), (116, 26635), (117, 26638), (136, 26689), (176, 26767), (225, 26863), (259, 26935), (320, 27064), (331, 27097), (345, 27133), (432, 27319), (445, 27349), (464, 27376), (479, 27412), (508, 27445), (527, 27514),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 55

Candidate Starts for Chop_21:

(Start: 55 @16827 has 16 MA's), (91, 16872), (110, 16902), (154, 17010), (219, 17160), (232, 17208), (274, 17292), (279, 17301), (302, 17343), (377, 17520), (409, 17589), (480, 17751), (501, 17784), (522, 17856), (523, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 28

Candidate Starts for Chris_21:

(Start: 28 @15243 has 209 MA's), (54, 15360), (65, 15378), (Start: 123 @15471 has 1 MA's), (141, 15519), (231, 15720), (282, 15819), (291, 15840), (328, 15927), (333, 15945), (366, 16008), (388, 16032), (400, 16056), (416, 16098), (417, 16101), (439, 16152), (454, 16191), (514, 16308), (519, 16335), (523, 16347), (528, 16365),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 71

Candidate Starts for CicholasNage_17:

(Start: 71 @15849 has 9 MA's), (Start: 84 @15867 has 9 MA's), (106, 15891), (120, 15921), (124, 15936), (138, 15969), (217, 16113), (252, 16194), (298, 16269), (300, 16272), (302, 16278), (324, 16323), (335, 16350), (352, 16383), (354, 16389), (374, 16422), (382, 16431), (390, 16458), (441, 16578), (465, 16626), (510, 16692), (512, 16698), (521, 16737),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 74

Candidate Starts for ClamChowder_32:

(Start: 74 @25634 has 30 MA's), (Start: 129 @25739 has 22 MA's), (161, 25808), (164, 25814), (177, 25838), (184, 25853), (354, 26213), (364, 26228), (378, 26246), (415, 26348), (433, 26390), (448, 26426), (505, 26522), (519, 26573),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 87

Candidate Starts for Clarkson_50:

(Start: 87 @26438 has 65 MA's), (153, 26570), (161, 26594), (165, 26603), (169, 26609), (174, 26618), (185, 26642), (188, 26651), (193, 26663), (198, 26675), (250, 26789), (289, 26870), (300, 26885), (302, 26891), (352, 26999), (411, 27125), (413, 27131), (447, 27206), (490, 27281), (493,

27287), (500, 27299), (501, 27302), (526, 27389), (527, 27392), (529, 27395),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 87

Candidate Starts for Claus_17:

(Start: 87 @16055 has 65 MA's), (106, 16079), (120, 16109), (157, 16190), (177, 16235), (296, 16460), (298, 16463), (300, 16466), (311, 16496), (340, 16553), (354, 16583), (390, 16652), (398, 16670), (429, 16745), (434, 16757), (465, 16820), (479, 16847), (512, 16910), (521, 16949), (524, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 87

Candidate Starts for Clautastrophe_18:

(Start: 87 @16490 has 65 MA's), (106, 16514), (124, 16559), (Start: 129 @16574 has 22 MA's), (138, 16595), (185, 16691), (255, 16826), (258, 16835), (298, 16895), (300, 16898), (302, 16904), (335, 16976), (352, 17009), (357, 17021), (390, 17084), (412, 17138), (418, 17159), (443, 17210), (465, 17252), (521, 17363), (522, 17366),

Gene: Cleo_17 Start: 15020, Stop: 15991, Start Num: 92

Candidate Starts for Cleo_17:

(46, 14945), (Start: 92 @15020 has 54 MA's), (117, 15065), (153, 15149), (177, 15203), (200, 15260), (212, 15284), (215, 15293), (216, 15296), (233, 15353), (262, 15413), (270, 15431), (310, 15503), (316, 15524), (405, 15719), (432, 15788), (433, 15791), (445, 15818), (448, 15827), (459, 15851), (475, 15884), (484, 15902), (512, 15947), (518, 15977),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 74

Candidate Starts for Clown_34:

(Start: 74 @27669 has 30 MA's), (Start: 81 @27678 has 8 MA's), (116, 27726), (Start: 129 @27765 has 22 MA's), (153, 27810), (164, 27840), (177, 27864), (184, 27879), (210, 27936), (261, 28053), (262, 28056), (354, 28236), (415, 28371), (431, 28407), (433, 28413), (448, 28449), (476, 28509), (479, 28515), (484, 28524), (505, 28545),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 60

Candidate Starts for ClubL_47:

(Start: 60 @28631 has 9 MA's), (98, 28679), (116, 28706), (142, 28778), (176, 28844), (188, 28874), (251, 28982), (300, 29075), (310, 29099), (313, 29114), (366, 29210), (400, 29258), (494, 29438), (509, 29474),

Gene: CoffeeBean_45 Start: 30399, Stop: 31289, Start Num: 118

Candidate Starts for CoffeeBean_45:

(Start: 97 @30363 has 11 MA's), (Start: 118 @30399 has 2 MA's), (173, 30516), (189, 30555), (196, 30573), (216, 30624), (259, 30723), (300, 30798), (303, 30807), (334, 30882), (343, 30903), (405, 31041), (416, 31077), (434, 31116), (462, 31158), (496, 31221), (510, 31254),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 28

Candidate Starts for Coleslaw_17:

(6, 15135), (Start: 28 @15468 has 209 MA's), (54, 15588), (65, 15606), (101, 15651), (105, 15657), (Start: 129 @15720 has 22 MA's), (145, 15756), (178, 15825), (180, 15828), (188, 15849), (216, 15903), (231, 15948), (249, 15978), (300, 16080), (305, 16092), (310, 16104), (314, 16122), (385, 16287), (400, 16317), (409, 16335), (416, 16359), (468, 16479), (514, 16569), (521, 16602),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 31

Candidate Starts for Collard_20:

(Start: 31 @16380 has 29 MA's), (101, 16554), (Start: 129 @16620 has 22 MA's), (Start: 130 @16623 has 1 MA's), (141, 16650), (188, 16749), (231, 16851), (259, 16905), (275, 16935), (291, 16971), (293,

16974), (300, 16983), (328, 17058), (329, 17061), (343, 17097), (366, 17139), (385, 17157), (388, 17163), (400, 17187), (401, 17190), (416, 17229), (514, 17439), (523, 17478), (528, 17496),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 75

Candidate Starts for Colleen_18:

(Start: 75 @16550 has 3 MA's), (Start: 78 @16553 has 8 MA's), (124, 16637), (187, 16775), (341, 17063),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 100

Candidate Starts for Commandaria_42:

(Start: 100 @30197 has 6 MA's), (135, 30284), (152, 30314), (173, 30359), (216, 30467), (303, 30650), (341, 30731), (343, 30737), (354, 30764), (447, 30980), (462, 31007), (510, 31103),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 87

Candidate Starts for Corazon_47:

(Start: 87 @26391 has 65 MA's), (153, 26523), (161, 26547), (165, 26556), (169, 26562), (174, 26571), (185, 26595), (188, 26604), (193, 26616), (198, 26628), (250, 26742), (289, 26823), (300, 26838), (302, 26844), (352, 26952), (411, 27078), (413, 27084), (447, 27159), (490, 27234), (493, 27240), (500, 27252), (501, 27255), (526, 27342), (527, 27345), (529, 27348),

Gene: Coriander_18 Start: 16561, Stop: 17508, Start Num: 88

Candidate Starts for Coriander_18:

(Start: 88 @16561 has 13 MA's), (183, 16756), (215, 16837), (220, 16849), (251, 16921), (257, 16927), (262, 16942), (310, 17032), (311, 17038), (343, 17101), (354, 17125), (355, 17128), (357, 17131), (381, 17167), (405, 17236), (418, 17278), (431, 17305), (450, 17347), (451, 17350), (457, 17362), (507, 17437), (521, 17491),

Gene: Cozz_17 Start: 14765, Stop: 15736, Start Num: 92

Candidate Starts for Cozz_17:

(Start: 92 @14765 has 54 MA's), (117, 14810), (124, 14831), (153, 14894), (161, 14918), (177, 14948), (193, 14987), (212, 15026), (215, 15035), (216, 15038), (242, 15104), (262, 15152), (286, 15194), (310, 15242), (330, 15293), (354, 15353), (364, 15368), (366, 15371), (372, 15389), (379, 15395), (395, 15440), (405, 15467), (411, 15485), (432, 15539), (445, 15569), (448, 15578), (453, 15593), (483, 15650), (514, 15698), (518, 15722), (520, 15728),

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

Candidate Starts for Cracklewink_23:

(Start: 41 @18745 has 4 MA's), (Start: 81 @18811 has 8 MA's), (Start: 89 @18820 has 6 MA's), (Start: 123 @18883 has 1 MA's), (Start: 129 @18901 has 22 MA's), (131, 18907), (188, 19030), (202, 19057), (204, 19060), (218, 19081), (265, 19183), (269, 19192), (282, 19219), (314, 19294), (340, 19336), (352, 19363), (400, 19432), (401, 19435), (418, 19477), (439, 19525), (442, 19534), (461, 19576), (467, 19588), (504, 19645), (523, 19714),

Gene: Crater_17 Start: 15047, Stop: 15973, Start Num: 92

Candidate Starts for Crater_17:

(Start: 92 @15047 has 54 MA's), (Start: 97 @15053 has 11 MA's), (115, 15083), (138, 15143), (153, 15167), (159, 15182), (165, 15197), (170, 15206), (177, 15218), (186, 15239), (193, 15257), (197, 15269), (215, 15314), (233, 15368), (235, 15371), (238, 15374), (247, 15386), (262, 15416), (270, 15434), (302, 15488), (307, 15500), (310, 15506), (322, 15527), (343, 15575), (352, 15593), (354, 15599), (364, 15614), (366, 15617), (431, 15770), (432, 15773), (434, 15779), (450, 15812), (459, 15830), (475, 15863), (510, 15914), (515, 15929), (523, 15965),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 28

Candidate Starts for Crespo_17:

(6, 15145), (Start: 28 @15478 has 209 MA's), (54, 15598), (65, 15616), (101, 15661), (105, 15667), (Start: 129 @15730 has 22 MA's), (145, 15766), (178, 15835), (180, 15838), (188, 15859), (216, 15913), (231, 15958), (249, 15988), (300, 16090), (305, 16102), (310, 16114), (314, 16132), (385, 16297), (400, 16327), (409, 16345), (416, 16369), (468, 16489), (514, 16579), (521, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 28

Candidate Starts for CrimD_22:

(Start: 28 @15989 has 209 MA's), (54, 16106), (116, 16196), (Start: 123 @16217 has 1 MA's), (Start: 130 @16238 has 1 MA's), (141, 16265), (259, 16520), (301, 16601), (329, 16676), (333, 16691), (400, 16802), (416, 16844), (454, 16937), (467, 16961), (514, 17054), (523, 17093), (528, 17111),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Crossroads_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 93

Candidate Starts for Cruella_30:

(Start: 93 @27616 has 8 MA's), (107, 27640), (Start: 123 @27685 has 1 MA's), (149, 27745), (166, 27784), (210, 27880), (276, 28042), (297, 28075), (341, 28150), (350, 28174), (396, 28249), (420, 28315), (439, 28351), (459, 28378), (492, 28435),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 60

Candidate Starts for Cucurbita_49:

(Start: 60 @30001 has 9 MA's), (98, 30049), (116, 30076), (142, 30148), (176, 30214), (188, 30244), (251, 30352), (300, 30445), (310, 30469), (313, 30484), (366, 30580), (400, 30628), (494, 30808), (509, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 56

Candidate Starts for Culver_47:

(Start: 56 @28434 has 9 MA's), (Start: 60 @28440 has 9 MA's), (98, 28488), (116, 28515), (142, 28587), (176, 28653), (188, 28683), (251, 28791), (300, 28884), (310, 28908), (313, 28923), (366, 29019), (400, 29067), (494, 29247), (509, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 28

Candidate Starts for Curiosium_23:

(Start: 28 @15737 has 209 MA's), (54, 15854), (Start: 123 @15965 has 1 MA's), (141, 16013), (259, 16268), (264, 16274), (301, 16349), (333, 16439), (400, 16550), (416, 16592), (454, 16685), (467, 16709), (514, 16802), (523, 16841), (528, 16859),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for DMoney_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: DNAlll_0017 Start: 15486, Stop: 16658, Start Num: 28

Candidate Starts for DNAlll_0017:

(6, 15153), (Start: 28 @15486 has 209 MA's), (54, 15606), (65, 15624), (101, 15669), (105, 15675), (Start: 129 @15738 has 22 MA's), (145, 15774), (178, 15843), (180, 15846), (188, 15867), (216,

15921), (231, 15966), (249, 15996), (300, 16098), (305, 16110), (310, 16122), (314, 16140), (385, 16305), (400, 16335), (409, 16353), (416, 16377), (468, 16497), (514, 16587), (521, 16620),

Gene: DS6A_20 Start: 16001, Stop: 16972, Start Num: 57

Candidate Starts for DS6A_20:

(Start: 57 @16001 has 1 MA's), (102, 16064), (153, 16178), (155, 16181), (182, 16241), (188, 16259), (199, 16286), (257, 16415), (258, 16418), (261, 16427), (276, 16460), (321, 16538), (323, 16541), (354, 16613), (419, 16760), (420, 16763), (423, 16769), (431, 16784), (438, 16799), (476, 16880), (507, 16919), (511, 16931),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 31

Candidate Starts for Dadosky_20:

(Start: 31 @16302 has 29 MA's), (101, 16476), (Start: 129 @16542 has 22 MA's), (141, 16572), (188, 16671), (231, 16773), (259, 16827), (275, 16857), (291, 16893), (293, 16896), (300, 16905), (328, 16980), (329, 16983), (337, 17004), (343, 17019), (366, 17061), (385, 17079), (388, 17085), (400, 17109), (401, 17112), (416, 17151), (460, 17253), (514, 17361), (523, 17400), (528, 17418),

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

Candidate Starts for Daegal_22:

(Start: 49 @16606 has 21 MA's), (Start: 53 @16615 has 22 MA's), (116, 16711), (120, 16720), (122, 16729), (141, 16780), (145, 16786), (190, 16882), (198, 16900), (223, 16969), (225, 16978), (232, 16999), (236, 17005), (241, 17011), (244, 17014), (274, 17086), (276, 17089), (341, 17245), (368, 17296), (374, 17314), (402, 17386), (411, 17404), (443, 17488), (454, 17515), (456, 17518), (476, 17554), (488, 17572), (509, 17614), (514, 17629), (515, 17632), (521, 17662), (523, 17668),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 99

Candidate Starts for Dalilpop_45:

(2, 30261), (Start: 99 @31200 has 24 MA's), (135, 31278), (207, 31431), (259, 31560), (292, 31623), (343, 31731), (462, 31986), (502, 32061), (510, 32082),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Dalmuri_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 74

Candidate Starts for Danyall_32:

(Start: 74 @25434 has 30 MA's), (Start: 129 @25539 has 22 MA's), (161, 25608), (164, 25614), (177, 25638), (184, 25653), (354, 26013), (364, 26028), (378, 26046), (415, 26148), (433, 26190), (448, 26226), (505, 26322), (519, 26373),

Gene: Dardanus_23 Start: 15835, Stop: 16677, Start Num: 89

Candidate Starts for Dardanus_23:

(Start: 89 @15835 has 6 MA's), (Start: 92 @15838 has 54 MA's), (103, 15850), (120, 15886), (Start: 129 @15916 has 22 MA's), (Start: 130 @15919 has 1 MA's), (154, 15967), (167, 16000), (190, 16051), (195, 16063), (203, 16075), (264, 16198), (286, 16240), (289, 16249), (301, 16267), (302, 16270), (318, 16318), (320, 16321), (339, 16342), (362, 16390), (389, 16426), (425, 16498), (426, 16501), (429, 16507), (471, 16597), (478, 16612), (499, 16648),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 56

Candidate Starts for Daredevil_28:

(Start: 56 @24544 has 9 MA's), (116, 24619), (139, 24682), (142, 24691), (149, 24700), (217, 24820), (245, 24880), (300, 24988), (366, 25123), (400, 25171), (435, 25246), (457, 25294), (486, 25342), (494, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Darionha_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: DARTH_P_21 Start: 16442, Stop: 17578, Start Num: 28

Candidate Starts for DARTH_P_21:

(Start: 28 @16442 has 209 MA's), (54, 16559), (65, 16577), (Start: 92 @16610 has 54 MA's), (116, 16649), (141, 16718), (188, 16817), (190, 16823), (231, 16919), (259, 16973), (291, 17039), (300, 17051), (366, 17207), (388, 17231), (416, 17297), (417, 17300), (418, 17303), (454, 17390), (514, 17507), (523, 17546), (528, 17564),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 93

Candidate Starts for Darwin_33:

(Start: 93 @27301 has 8 MA's), (107, 27325), (Start: 123 @27370 has 1 MA's), (149, 27430), (166, 27469), (210, 27565), (276, 27727), (297, 27760), (341, 27835), (350, 27859), (420, 28000), (439, 28036), (459, 28063), (492, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 56

Candidate Starts for DatBoi_30:

(Start: 56 @26971 has 9 MA's), (Start: 70 @26992 has 4 MA's), (116, 27046), (217, 27247), (237, 27298), (245, 27307), (259, 27343), (300, 27415), (302, 27421), (366, 27550), (400, 27598), (435, 27673), (457, 27721),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 28

Candidate Starts for Deby_22:

(Start: 28 @15985 has 209 MA's), (54, 16102), (116, 16192), (Start: 123 @16213 has 1 MA's), (Start: 130 @16234 has 1 MA's), (141, 16261), (259, 16516), (301, 16597), (329, 16672), (333, 16687), (400, 16798), (416, 16840), (454, 16933), (467, 16957), (514, 17050), (523, 17089), (528, 17107),

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

Candidate Starts for DeepSoil15_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 55

Candidate Starts for DelRio_22:

(Start: 55 @17301 has 16 MA's), (91, 17346), (110, 17376), (154, 17484), (219, 17634), (232, 17682), (274, 17766), (279, 17775), (302, 17817), (377, 17994), (409, 18063), (501, 18258), (522, 18330), (523, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 129

Candidate Starts for Delian_18:

(Start: 126 @15811 has 6 MA's), (Start: 129 @15817 has 22 MA's), (200, 15973), (230, 16054), (281, 16153), (326, 16261), (356, 16345), (394, 16411), (411, 16456), (452, 16546), (483, 16588),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 53

Candidate Starts for Delrey21_33:

(Start: 53 @29967 has 22 MA's), (116, 30054), (Start: 129 @30090 has 22 MA's), (148, 30126), (225, 30282), (227, 30285), (259, 30354), (292, 30417), (299, 30426), (331, 30516), (344, 30549), (345, 30552), (418, 30705), (436, 30747), (445, 30768), (464, 30795), (473, 30816), (476, 30825), (479, 30831), (508, 30864), (509, 30867), (520, 30912), (523, 30921), (527, 30933),

Gene: Demsculpinboyz_18 Start: 12806, Stop: 13735, Start Num: 81

Candidate Starts for Demsculpinboyz_18:

(Start: 81 @12806 has 8 MA's), (120, 12866), (138, 12917), (186, 13016), (188, 13022), (194, 13037), (247, 13157), (258, 13175), (291, 13241), (300, 13253), (321, 13298), (341, 13337), (343, 13343), (354, 13367), (355, 13370), (357, 13373), (398, 13451), (405, 13472), (406, 13475), (418, 13511), (431, 13538), (432, 13541), (450, 13580), (459, 13598), (462, 13604), (479, 13640), (483, 13646), (505, 13670), (508, 13676), (510, 13682),

Gene: Derg_31 Start: 28515, Stop: 29471, Start Num: 68

Candidate Starts for Derg_31:

(Start: 68 @28515 has 42 MA's), (153, 28671), (164, 28701), (170, 28713), (172, 28716), (177, 28725), (184, 28740), (188, 28752), (261, 28911), (278, 28947), (307, 29007), (330, 29043), (354, 29103), (400, 29193), (433, 29283), (443, 29307), (448, 29319), (479, 29385), (489, 29400), (509, 29424), (513, 29436),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 28

Candidate Starts for Devera_22:

(Start: 28 @16032 has 209 MA's), (54, 16149), (Start: 123 @16260 has 1 MA's), (Start: 130 @16281 has 1 MA's), (141, 16308), (189, 16410), (259, 16563), (301, 16644), (320, 16698), (329, 16719), (333, 16734), (400, 16845), (416, 16887), (454, 16980), (467, 17004), (514, 17097), (523, 17136), (528, 17154),

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

Candidate Starts for Dewey_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Dxdert_32 Start: 26991, Stop: 27968, Start Num: 53

Candidate Starts for Dxdert_32:

(Start: 53 @26991 has 22 MA's), (65, 27003), (86, 27030), (116, 27078), (117, 27081), (136, 27132), (176, 27210), (225, 27306), (243, 27339), (259, 27378), (320, 27507), (331, 27540), (345, 27576), (432, 27762), (445, 27792), (464, 27819), (479, 27855), (508, 27888), (527, 27957),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 79

Candidate Starts for Diminimus_28:

(Start: 79 @21456 has 19 MA's), (134, 21558), (143, 21576), (153, 21591), (185, 21663), (188, 21672), (228, 21750), (296, 21885), (298, 21888), (300, 21891), (332, 21960), (352, 22002), (354, 22008), (417, 22149), (429, 22170), (434, 22182), (508, 22305), (512, 22317),

Gene: DinoDaryn_23 Start: 15864, Stop: 16697, Start Num: 89

Candidate Starts for DinoDaryn_23:

(Start: 89 @15864 has 6 MA's), (Start: 92 @15867 has 54 MA's), (108, 15882), (122, 15921), (Start: 129 @15942 has 22 MA's), (Start: 130 @15945 has 1 MA's), (195, 16089), (289, 16275), (339, 16362), (389, 16446), (429, 16527), (468, 16611), (471, 16617), (476, 16629), (478, 16632), (493, 16656),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 84

Candidate Starts for DirkDirk_17:

(48, 15804), (51, 15807), (Start: 71 @15840 has 9 MA's), (Start: 84 @15858 has 9 MA's), (106, 15882), (120, 15912), (124, 15927), (138, 15960), (217, 16104), (252, 16185), (298, 16260), (300, 16263), (302, 16269), (324, 16314), (335, 16341), (352, 16374), (354, 16380), (374, 16413), (382, 16422), (390, 16449), (441, 16569), (465, 16617), (479, 16644), (510, 16683), (512, 16689), (521, 16728),

Gene: DirtyBoi_19 Start: 16014, Stop: 16961, Start Num: 88

Candidate Starts for DirtyBoi_19:

(Start: 88 @16014 has 13 MA's), (183, 16209), (215, 16290), (220, 16302), (251, 16374), (257, 16380), (262, 16395), (296, 16455), (310, 16485), (311, 16491), (343, 16554), (354, 16578), (355, 16581), (381, 16620), (405, 16689), (418, 16731), (431, 16758), (450, 16800), (451, 16803), (457, 16815), (483, 16866), (507, 16890),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 31

Candidate Starts for DismalFunk_18:

(Start: 31 @13889 has 29 MA's), (32, 13898), (54, 14000), (116, 14090), (Start: 130 @14132 has 1 MA's), (131, 14135), (141, 14159), (188, 14258), (218, 14321), (231, 14360), (259, 14414), (291, 14480), (300, 14492), (317, 14543), (328, 14567), (366, 14645), (385, 14663), (400, 14693), (403, 14702), (416, 14735), (417, 14738), (467, 14852), (509, 14930), (514, 14945), (523, 14984), (528, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 31

Candidate Starts for DismalStressor_18:

(Start: 31 @13889 has 29 MA's), (32, 13898), (54, 14000), (116, 14090), (Start: 130 @14132 has 1 MA's), (131, 14135), (141, 14159), (188, 14258), (218, 14321), (231, 14360), (259, 14414), (291, 14480), (300, 14492), (317, 14543), (328, 14567), (366, 14645), (385, 14663), (400, 14693), (403, 14702), (416, 14735), (417, 14738), (467, 14852), (509, 14930), (514, 14945), (523, 14984), (528, 15002),

Gene: Dmitri_18 Start: 16558, Stop: 17505, Start Num: 88

Candidate Starts for Dmitri_18:

(Start: 88 @16558 has 13 MA's), (183, 16753), (215, 16834), (220, 16846), (251, 16918), (257, 16924), (262, 16939), (296, 16999), (310, 17029), (311, 17035), (343, 17098), (354, 17122), (355, 17125), (381, 17164), (405, 17233), (418, 17275), (450, 17344), (451, 17347), (457, 17359), (483, 17410), (507, 17434), (520, 17485), (521, 17488),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 53

Candidate Starts for DoctorFroggo_33:

(Start: 53 @29967 has 22 MA's), (116, 30054), (Start: 129 @30090 has 22 MA's), (148, 30126), (225, 30282), (227, 30285), (259, 30354), (292, 30417), (299, 30426), (331, 30516), (344, 30549), (345, 30552), (418, 30705), (436, 30747), (445, 30768), (464, 30795), (473, 30816), (476, 30825), (479, 30831), (508, 30864), (509, 30867), (520, 30912), (523, 30921), (527, 30933),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 70

Candidate Starts for Dogfish_20:

(16, 17051), (Start: 70 @17321 has 4 MA's), (73, 17327), (101, 17363), (102, 17366), (170, 17528), (174, 17534), (181, 17549), (186, 17561), (239, 17657), (241, 17660), (248, 17669), (254, 17681), (259, 17696), (317, 17825), (388, 17921), (398, 17945), (411, 17966), (417, 17987), (430, 18017), (446, 18053), (474, 18107),

Gene: Doggs_17 Start: 16261, Stop: 17208, Start Num: 88

Candidate Starts for Doggs_17:

(Start: 88 @16261 has 13 MA's), (183, 16456), (215, 16537), (220, 16549), (251, 16621), (257, 16627), (262, 16642), (296, 16702), (310, 16732), (311, 16738), (343, 16801), (354, 16825), (355, 16828), (381, 16867), (405, 16936), (418, 16978), (431, 17005), (445, 17038), (450, 17047), (451, 17050), (457, 17062), (483, 17113), (507, 17137), (520, 17188), (521, 17191),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 28

Candidate Starts for Dole_22:

(Start: 28 @16034 has 209 MA's), (54, 16151), (Start: 123 @16262 has 1 MA's), (Start: 130 @16283 has 1 MA's), (141, 16310), (189, 16412), (259, 16565), (301, 16646), (320, 16700), (329, 16721), (333, 16736), (400, 16847), (416, 16889), (454, 16982), (467, 17006), (514, 17099), (523, 17138), (528, 17156),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 87

Candidate Starts for Douge_17:

(Start: 87 @15701 has 65 MA's), (106, 15725), (Start: 118 @15752 has 2 MA's), (120, 15755), (124, 15770), (138, 15803), (185, 15899), (255, 16034), (258, 16043), (298, 16103), (300, 16106), (335, 16184), (342, 16199), (354, 16223), (390, 16292), (402, 16316), (408, 16334), (429, 16385), (441, 16412), (465, 16460), (479, 16487), (521, 16571),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 28

Candidate Starts for DrHayes_22:

(Start: 28 @15965 has 209 MA's), (54, 16082), (116, 16172), (Start: 123 @16193 has 1 MA's), (Start: 130 @16214 has 1 MA's), (141, 16241), (231, 16442), (259, 16496), (264, 16502), (301, 16577), (329, 16652), (333, 16667), (416, 16820), (454, 16913), (467, 16937), (514, 17030), (523, 17069), (528, 17087),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for DrSeegs_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Dre3_17 Start: 14967, Stop: 15938, Start Num: 92

Candidate Starts for Dre3_17:

(46, 14892), (Start: 92 @14967 has 54 MA's), (117, 15012), (153, 15096), (177, 15150), (200, 15207), (212, 15231), (215, 15240), (216, 15243), (233, 15300), (262, 15360), (270, 15378), (310, 15450), (316, 15471), (354, 15552), (405, 15666), (432, 15735), (433, 15738), (445, 15765), (448, 15774), (459, 15798), (475, 15831), (484, 15849), (512, 15894), (518, 15924),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 79

Candidate Starts for Dulcita_28:

(Start: 79 @21456 has 19 MA's), (134, 21558), (143, 21576), (153, 21591), (185, 21663), (188, 21672), (228, 21750), (296, 21885), (298, 21888), (300, 21891), (332, 21960), (352, 22002), (354, 22008), (417, 22149), (429, 22170), (434, 22182), (508, 22305), (512, 22317),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 55

Candidate Starts for DumpsterDude_18:

(Start: 55 @15153 has 16 MA's), (116, 15246), (Start: 130 @15288 has 1 MA's), (154, 15336), (189, 15414), (223, 15504), (232, 15534), (268, 15606), (273, 15615), (274, 15618), (279, 15627), (302, 15669), (341, 15768), (374, 15837), (501, 16110), (522, 16182), (523, 16185),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 87

Candidate Starts for DuncansLeg_18:

(Start: 87 @16490 has 65 MA's), (106, 16514), (124, 16559), (Start: 129 @16574 has 22 MA's), (138, 16595), (185, 16691), (188, 16700), (255, 16826), (258, 16835), (298, 16895), (300, 16898), (302, 16904), (335, 16976), (352, 17009), (357, 17021), (390, 17084), (418, 17159), (443, 17210), (465, 17252), (521, 17363), (522, 17366),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Durfee_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Dusty_45 Start: 28440, Stop: 29321, Start Num: 60

Candidate Starts for Dusty_45:

(Start: 56 @28434 has 9 MA's), (Start: 60 @28440 has 9 MA's), (98, 28488), (116, 28515), (142, 28587), (188, 28683), (251, 28791), (300, 28884), (310, 28908), (313, 28923), (366, 29019), (400, 29067), (494, 29247), (509, 29283),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 87

Candidate Starts for DyoEdafos_18:

(Start: 87 @15909 has 65 MA's), (106, 15933), (Start: 118 @15960 has 2 MA's), (120, 15963), (124, 15978), (138, 16011), (185, 16107), (255, 16242), (258, 16251), (298, 16311), (300, 16314), (335, 16392), (342, 16407), (354, 16431), (390, 16500), (402, 16524), (441, 16620), (465, 16668), (479, 16695), (510, 16734), (521, 16779),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for ECartman_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 53

Candidate Starts for EMoore_30:

(Start: 53 @28525 has 22 MA's), (148, 28684), (176, 28744), (188, 28774), (221, 28831), (225, 28840), (259, 28912), (278, 28951), (290, 28972), (302, 28990), (331, 29074), (340, 29095), (345, 29110), (399, 29215), (400, 29218), (429, 29290), (434, 29302), (445, 29326), (447, 29332), (455, 29347), (465, 29365), (479, 29398), (508, 29431), (509, 29434), (527, 29500),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 53

Candidate Starts for EdmundFerry_30:

(Start: 53 @26577 has 22 MA's), (65, 26589), (86, 26616), (116, 26664), (117, 26667), (136, 26718), (176, 26796), (225, 26892), (259, 26964), (320, 27093), (331, 27126), (345, 27162), (432, 27348), (445, 27378), (464, 27405), (479, 27441), (508, 27474), (527, 27543),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 31

Candidate Starts for Edugator_19:

(Start: 31 @16302 has 29 MA's), (101, 16476), (Start: 129 @16542 has 22 MA's), (141, 16572), (188, 16671), (231, 16773), (259, 16827), (275, 16857), (291, 16893), (293, 16896), (300, 16905), (328, 16980), (329, 16983), (343, 17019), (366, 17061), (385, 17079), (388, 17085), (400, 17109), (401, 17112), (416, 17151), (460, 17253), (514, 17361), (523, 17400), (528, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 28

Candidate Starts for Efra2_22:

(Start: 28 @15227 has 209 MA's), (54, 15344), (116, 15434), (Start: 123 @15455 has 1 MA's), (141, 15503), (259, 15758), (301, 15839), (329, 15914), (333, 15929), (400, 16040), (416, 16082), (449, 16160), (454, 16175), (467, 16199), (514, 16292), (523, 16331), (528, 16349),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Ein37_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 28

Candidate Starts for Ekdilam_19:

(Start: 28 @16204 has 209 MA's), (54, 16321), (65, 16339), (Start: 92 @16372 has 54 MA's), (116, 16411), (141, 16480), (188, 16579), (190, 16585), (259, 16735), (291, 16801), (300, 16813), (366, 16969), (388, 16993), (401, 17020), (416, 17059), (417, 17062), (454, 17152), (514, 17269), (523, 17308), (528, 17326),

Gene: Elinal_18 Start: 14465, Stop: 15421, Start Num: 92

Candidate Starts for Elinal_18:

(Start: 92 @14465 has 54 MA's), (117, 14510), (138, 14567), (153, 14594), (177, 14648), (188, 14675), (212, 14726), (213, 14729), (215, 14735), (216, 14738), (233, 14792), (245, 14807), (261, 14849), (262, 14852), (273, 14876), (284, 14891), (310, 14942), (354, 15038), (432, 15224), (445, 15254), (448, 15263), (459, 15287), (475, 15320), (518, 15407), (520, 15413),

Gene: Elliott_17 Start: 14764, Stop: 15735, Start Num: 92

Candidate Starts for Elliott_17:

(Start: 92 @14764 has 54 MA's), (117, 14809), (124, 14830), (153, 14893), (161, 14917), (177, 14947), (193, 14986), (212, 15025), (215, 15034), (216, 15037), (242, 15103), (262, 15151), (286, 15193), (310, 15241), (330, 15292), (354, 15352), (364, 15367), (366, 15370), (372, 15388), (379, 15394), (395, 15439), (405, 15466), (411, 15484), (432, 15538), (445, 15568), (448, 15577), (453, 15592), (483, 15649), (514, 15697), (518, 15721), (520, 15727),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 28

Candidate Starts for Ellie_19:

(Start: 28 @16200 has 209 MA's), (54, 16317), (Start: 92 @16368 has 54 MA's), (141, 16476), (189, 16578), (190, 16581), (231, 16677), (259, 16731), (291, 16797), (300, 16809), (416, 17055), (417, 17058), (514, 17265), (523, 17304), (528, 17322),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 87

Candidate Starts for Ellson_18:

(Start: 87 @16498 has 65 MA's), (106, 16522), (124, 16567), (Start: 129 @16582 has 22 MA's), (138, 16603), (185, 16699), (188, 16708), (255, 16834), (258, 16843), (298, 16903), (300, 16906), (302, 16912), (335, 16984), (352, 17017), (357, 17029), (390, 17092), (418, 17167), (443, 17218), (465, 17260), (521, 17371), (522, 17374),

Gene: Emalyn_16 Start: 14065, Stop: 15036, Start Num: 92

Candidate Starts for Emalyn_16:

(Start: 92 @14065 has 54 MA's), (117, 14110), (124, 14131), (138, 14167), (177, 14248), (212, 14326), (215, 14335), (216, 14338), (233, 14392), (242, 14404), (262, 14452), (286, 14494), (310, 14542), (330, 14593), (341, 14623), (354, 14653), (364, 14668), (366, 14671), (405, 14767), (411, 14785), (432, 14839), (433, 14842), (445, 14869), (448, 14878), (453, 14893), (483, 14950), (514, 14998), (518, 15022), (520, 15028),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 28

Candidate Starts for Emerson_22:

(Start: 28 @16011 has 209 MA's), (54, 16128), (116, 16218), (Start: 123 @16239 has 1 MA's), (Start: 130 @16260 has 1 MA's), (141, 16287), (259, 16542), (301, 16623), (329, 16698), (333, 16713), (400, 16824), (416, 16866), (454, 16959), (467, 16983), (514, 17076), (523, 17115), (528, 17133),

Gene: EmiRose_16 Start: 13050, Stop: 13937, Start Num: 113

Candidate Starts for EmiRose_16:

(Start: 113 @13050 has 1 MA's), (119, 13068), (147, 13137), (188, 13227), (191, 13236), (210, 13269), (213, 13284), (275, 13440), (277, 13443), (280, 13449), (347, 13608), (364, 13638), (387, 13668), (390, 13680), (437, 13794), (440, 13800),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 99

Candidate Starts for Emianna_40:

(Start: 99 @29879 has 24 MA's), (135, 29966), (173, 30041), (200, 30107), (216, 30149), (233, 30206), (343, 30419), (354, 30446), (405, 30557), (462, 30689), (510, 30785),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 84

Candidate Starts for Enceladus_17:

(48, 15805), (51, 15808), (Start: 71 @15841 has 9 MA's), (Start: 84 @15859 has 9 MA's), (106, 15883), (120, 15913), (124, 15928), (138, 15961), (217, 16105), (252, 16186), (298, 16261), (300, 16264), (302, 16270), (324, 16315), (335, 16342), (352, 16375), (354, 16381), (374, 16414), (382, 16423), (390, 16450), (441, 16570), (465, 16618), (479, 16645), (510, 16684), (512, 16690), (521, 16729),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 60

Candidate Starts for Engineer_48:

(Start: 56 @28651 has 9 MA's), (Start: 60 @28657 has 9 MA's), (98, 28705), (116, 28732), (142, 28804), (176, 28870), (188, 28900), (251, 29008), (300, 29101), (310, 29125), (313, 29140), (366, 29236), (400, 29284), (494, 29464), (509, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 28

Candidate Starts for Enkosi_18:

(Start: 28 @15554 has 209 MA's), (54, 15677), (116, 15767), (141, 15836), (188, 15935), (189, 15938), (231, 16037), (301, 16172), (400, 16373), (416, 16415), (417, 16418), (454, 16508), (467, 16532), (514, 16625), (523, 16664), (528, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 99

Candidate Starts for Ennea_46:

(Start: 99 @30548 has 24 MA's), (135, 30626), (173, 30701), (216, 30809), (254, 30893), (341, 31073), (343, 31079), (436, 31295), (462, 31334), (502, 31409), (510, 31430), (516, 31451),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 28

Candidate Starts for Eponine_23:

(Start: 28 @17390 has 209 MA's), (43, 17480), (54, 17510), (116, 17600), (Start: 130 @17642 has 1 MA's), (131, 17645), (136, 17657), (296, 17993), (300, 17999), (328, 18074), (366, 18152), (384, 18167), (400, 18200), (416, 18242), (417, 18245), (456, 18338), (514, 18452), (523, 18491), (528, 18509),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 79

Candidate Starts for Estes_32:

(Start: 79 @22177 has 19 MA's), (Start: 87 @22186 has 65 MA's), (120, 22240), (131, 22276), (134, 22279), (143, 22297), (153, 22312), (184, 22381), (185, 22384), (298, 22609), (300, 22612), (311, 22642), (352, 22723), (354, 22729), (434, 22903), (441, 22918), (457, 22951), (520, 23074),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 74

Candidate Starts for Evamon_30:

(Start: 74 @24920 has 30 MA's), (Start: 129 @25025 has 22 MA's), (161, 25094), (164, 25100), (177, 25124), (184, 25139), (354, 25499), (364, 25514), (378, 25532), (415, 25634), (433, 25676), (448, 25712), (484, 25787), (505, 25808), (519, 25859),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Evanesce_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 70

Candidate Starts for Ewald_21:

(Start: 70 @17595 has 4 MA's), (73, 17601), (Start: 82 @17613 has 11 MA's), (101, 17637), (102, 17640), (174, 17808), (181, 17823), (186, 17835), (239, 17931), (241, 17934), (248, 17943), (254, 17955), (259, 17970), (317, 18099), (398, 18219), (411, 18240), (417, 18261), (474, 18381),

Gene: Eyes_18 Start: 15709, Stop: 16635, Start Num: 88

Candidate Starts for Eyes_18:

(14, 15391), (24, 15490), (34, 15577), (69, 15691), (Start: 88 @15709 has 13 MA's), (Start: 97 @15718 has 11 MA's), (120, 15760), (Start: 123 @15772 has 1 MA's), (220, 15994), (235, 16039), (251, 16063), (257, 16069), (260, 16078), (262, 16084), (276, 16114), (296, 16144), (310, 16174), (311, 16180), (322, 16195), (342, 16240), (343, 16243), (354, 16267), (388, 16324), (395, 16345), (418, 16411), (450, 16480), (476, 16534), (518, 16618),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 30

Candidate Starts for FF47_20:

(Start: 30 @14818 has 4 MA's), (35, 14866), (Start: 94 @14974 has 13 MA's), (101, 14983), (131, 15052), (142, 15079), (214, 15226), (260, 15334), (300, 15409), (303, 15418), (316, 15454), (343, 15523), (366, 15565), (403, 15619), (426, 15676), (476, 15781), (480, 15787), (521, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 127

Candidate Starts for Fairfaxidum_18:

(Start: 127 @15961 has 13 MA's), (Start: 137 @15976 has 1 MA's), (153, 16006), (160, 16027), (200, 16117), (230, 16198), (325, 16402), (326, 16405), (411, 16600), (452, 16690), (483, 16732), (508, 16780), (510, 16786),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Faith1_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 62

Candidate Starts for Farewell_15:

(Start: 62 @15126 has 1 MA's), (66, 15135), (90, 15165), (125, 15234), (132, 15255), (188, 15375), (191, 15384), (222, 15471), (255, 15537), (300, 15624), (302, 15630), (341, 15714), (352, 15738), (353, 15741), (443, 15939), (450, 15951), (470, 15990), (491, 16017), (498, 16032), (525, 16122),

Gene: Feastonyeet_16 Start: 14508, Stop: 15464, Start Num: 92

Candidate Starts for Feastonyeet_16:

(Start: 92 @14508 has 54 MA's), (117, 14553), (138, 14610), (153, 14637), (177, 14691), (188, 14718), (212, 14769), (213, 14772), (215, 14778), (216, 14781), (233, 14835), (245, 14850), (262, 14895), (273, 14919), (310, 14985), (354, 15081), (432, 15267), (445, 15297), (448, 15306), (459, 15330), (475, 15363), (518, 15450), (520, 15456),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 28

Candidate Starts for Fefferhead_21:

(Start: 28 @16367 has 209 MA's), (54, 16484), (Start: 92 @16535 has 54 MA's), (141, 16643), (189, 16745), (190, 16748), (231, 16844), (259, 16898), (291, 16964), (300, 16976), (416, 17222), (417, 17225), (514, 17432), (523, 17471), (528, 17489),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 127

Candidate Starts for Fenry_17:

(Start: 127 @15512 has 13 MA's), (200, 15668), (230, 15749), (261, 15806), (281, 15848), (326, 15956), (356, 16040), (394, 16106), (396, 16112), (411, 16151), (452, 16241), (483, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 31

Candidate Starts for Feyre_20:

(Start: 31 @16241 has 29 MA's), (Start: 130 @16484 has 1 MA's), (141, 16511), (188, 16610), (231, 16712), (259, 16766), (275, 16796), (291, 16832), (293, 16835), (300, 16844), (328, 16919), (329, 16922), (343, 16958), (366, 17000), (385, 17018), (388, 17024), (400, 17048), (401, 17051), (403, 17057), (416, 17090), (514, 17300), (523, 17339), (528, 17357),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 31

Candidate Starts for Findley_18:

(Start: 31 @13892 has 29 MA's), (32, 13901), (54, 14003), (116, 14093), (Start: 130 @14135 has 1 MA's), (131, 14138), (141, 14162), (188, 14261), (218, 14324), (231, 14363), (259, 14417), (291, 14483), (300, 14495), (317, 14546), (328, 14570), (366, 14648), (385, 14666), (400, 14696), (403, 14705), (416, 14738), (417, 14741), (467, 14855), (509, 14933), (514, 14948), (523, 14987), (528, 15005),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 87

Candidate Starts for Finemlucis_17:

(Start: 87 @16080 has 65 MA's), (106, 16104), (120, 16134), (177, 16260), (217, 16332), (296, 16485), (298, 16488), (300, 16491), (311, 16521), (340, 16578), (352, 16602), (354, 16608), (390, 16677), (398, 16695), (407, 16716), (434, 16782), (465, 16845), (521, 16974), (524, 16986),

Gene: Finnry_18 Start: 16494, Stop: 17384, Start Num: 87

Candidate Starts for Finnry_18:

(Start: 87 @16494 has 65 MA's), (106, 16518), (124, 16563), (Start: 129 @16578 has 22 MA's), (138, 16599), (185, 16695), (255, 16830), (258, 16839), (298, 16899), (300, 16902), (302, 16908), (335,

16980), (352, 17013), (390, 17088), (412, 17142), (418, 17163), (443, 17214), (465, 17256), (521, 17367), (522, 17370),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 28

Candidate Starts for Fionnbharth_23:

(Start: 28 @17490 has 209 MA's), (32, 17508), (43, 17580), (54, 17610), (116, 17700), (Start: 130 @17742 has 1 MA's), (140, 17766), (189, 17871), (296, 18093), (300, 18099), (364, 18249), (366, 18252), (385, 18270), (400, 18300), (416, 18342), (417, 18345), (439, 18396), (509, 18537), (514, 18552), (523, 18591), (528, 18609),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 74

Candidate Starts for Fireball_31:

(Start: 74 @25055 has 30 MA's), (Start: 129 @25151 has 22 MA's), (161, 25220), (164, 25226), (177, 25250), (184, 25265), (190, 25283), (278, 25475), (324, 25553), (343, 25598), (354, 25622), (382, 25661), (415, 25757), (433, 25799), (448, 25835), (462, 25865), (484, 25910), (505, 25931), (519, 25982),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 68

Candidate Starts for Fitzgerald_32:

(Start: 68 @29941 has 42 MA's), (164, 30127), (170, 30139), (184, 30166), (191, 30187), (217, 30247), (261, 30337), (278, 30373), (294, 30406), (302, 30421), (307, 30433), (325, 30463), (330, 30469), (354, 30529), (400, 30619), (433, 30709), (443, 30733), (448, 30745), (479, 30811), (489, 30826), (509, 30850), (513, 30862), (519, 30892),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 23

Candidate Starts for FlagStaff_17:

(6, 15304), (Start: 23 @15628 has 1 MA's), (Start: 28 @15664 has 209 MA's), (54, 15790), (105, 15850), (116, 15874), (Start: 130 @15916 has 1 MA's), (131, 15919), (180, 16021), (189, 16045), (195, 16060), (198, 16066), (214, 16105), (216, 16111), (282, 16255), (289, 16273), (302, 16294), (305, 16300), (312, 16324), (327, 16360), (400, 16525), (416, 16567), (418, 16573), (502, 16744), (521, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 99

Candidate Starts for Flapper_44:

(Start: 99 @30267 has 24 MA's), (135, 30345), (207, 30498), (259, 30627), (343, 30798), (462, 31053), (502, 31128), (510, 31149),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 68

Candidate Starts for Flatwoods_34:

(Start: 68 @28876 has 42 MA's), (153, 29032), (164, 29062), (170, 29074), (177, 29086), (184, 29101), (188, 29113), (261, 29272), (278, 29308), (307, 29368), (322, 29392), (330, 29404), (354, 29464), (400, 29554), (433, 29644), (443, 29668), (448, 29680), (479, 29746), (489, 29761), (509, 29785), (513, 29797),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 99

Candidate Starts for Float294_42:

(Start: 99 @29990 has 24 MA's), (135, 30068), (173, 30143), (216, 30251), (254, 30335), (341, 30515), (343, 30521), (436, 30737), (462, 30776), (502, 30851), (507, 30863), (510, 30872), (516, 30893),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Forge_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 64

Candidate Starts for Forza_100:

(Start: 64 @59008 has 5 MA's), (76, 59023), (Start: 81 @59029 has 8 MA's), (86, 59035), (140, 59152), (144, 59155), (168, 59206), (185, 59242), (257, 59377), (273, 59413), (290, 59443), (401, 59695), (418, 59740), (431, 59770), (433, 59776), (445, 59803), (469, 59842), (512, 59911),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 68

Candidate Starts for Fosterous_32:

(Start: 68 @29783 has 42 MA's), (164, 29969), (170, 29981), (184, 30008), (191, 30029), (217, 30089), (260, 30176), (261, 30179), (278, 30215), (294, 30248), (302, 30263), (307, 30275), (325, 30305), (330, 30311), (354, 30371), (400, 30461), (433, 30551), (443, 30575), (448, 30587), (479, 30653), (489, 30668), (509, 30692), (513, 30704), (519, 30734),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 99

Candidate Starts for Foxboro_41:

(Start: 99 @30385 has 24 MA's), (135, 30472), (173, 30547), (200, 30613), (216, 30655), (233, 30712), (343, 30925), (354, 30952), (405, 31063), (462, 31195), (510, 31291),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 55

Candidate Starts for Francois_21:

(Start: 55 @16316 has 16 MA's), (91, 16361), (110, 16391), (154, 16499), (219, 16649), (232, 16697), (274, 16781), (279, 16790), (302, 16832), (391, 17042), (409, 17078), (501, 17273), (522, 17345), (523, 17348),

Gene: Fribs8_18 Start: 15556, Stop: 16521, Start Num: 92

Candidate Starts for Fribs8_18:

(Start: 92 @15556 has 54 MA's), (117, 15601), (138, 15658), (153, 15685), (177, 15739), (212, 15820), (215, 15829), (216, 15832), (242, 15901), (262, 15949), (270, 15967), (310, 16039), (316, 16054), (341, 16105), (342, 16108), (405, 16249), (432, 16318), (433, 16321), (445, 16348), (448, 16357), (459, 16381), (475, 16414), (479, 16423), (484, 16432), (512, 16477), (518, 16507), (520, 16513),

Gene: Frickyeah_19 Start: 15508, Stop: 16431, Start Num: 94

Candidate Starts for Frickyeah_19:

(Start: 94 @15508 has 13 MA's), (Start: 97 @15511 has 11 MA's), (106, 15523), (115, 15541), (131, 15586), (153, 15625), (170, 15664), (186, 15697), (188, 15703), (215, 15772), (233, 15826), (235, 15829), (238, 15832), (247, 15844), (262, 15874), (270, 15892), (302, 15946), (307, 15958), (310, 15964), (322, 15985), (343, 16033), (354, 16057), (364, 16072), (366, 16075), (382, 16096), (431, 16228), (432, 16231), (434, 16237), (450, 16270), (459, 16288), (475, 16321), (510, 16372), (515, 16387), (523, 16423),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 137

Candidate Starts for Frokostdame_18:

(Start: 127 @15759 has 13 MA's), (Start: 137 @15774 has 1 MA's), (185, 15876), (200, 15915), (230, 15996), (272, 16080), (281, 16095), (326, 16203), (356, 16287), (394, 16353), (396, 16359), (411, 16398), (452, 16488), (483, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Frosty24_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Fryberger_52 Start: 26990, Stop: 27934, Start Num: 83

Candidate Starts for Fryberger_52:

(Start: 81 @26987 has 8 MA's), (Start: 83 @26990 has 5 MA's), (143, 27110), (188, 27206), (228, 27308), (261, 27374), (270, 27395), (273, 27401), (300, 27452), (310, 27476), (354, 27569), (382, 27608), (420, 27719), (423, 27725), (426, 27734), (431, 27740), (445, 27773), (448, 27782), (451, 27791), (459, 27806), (507, 27881), (511, 27893), (515, 27905), (518, 27926),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 74

Candidate Starts for Fugax_32:

(Start: 74 @25634 has 30 MA's), (Start: 129 @25739 has 22 MA's), (161, 25808), (164, 25814), (177, 25838), (184, 25853), (354, 26213), (364, 26228), (378, 26246), (415, 26348), (433, 26390), (448, 26426), (505, 26522), (519, 26573),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 99

Candidate Starts for Fury_49:

(Start: 99 @29757 has 24 MA's), (135, 29838), (173, 29913), (194, 29964), (233, 30078), (341, 30285), (462, 30546), (496, 30609), (510, 30642),

Gene: GEazy_18 Start: 15730, Stop: 16650, Start Num: 97

Candidate Starts for GEazy_18:

(69, 15700), (Start: 88 @15721 has 13 MA's), (Start: 97 @15730 has 11 MA's), (120, 15772), (220, 16006), (235, 16051), (251, 16075), (257, 16081), (260, 16090), (262, 16096), (276, 16126), (296, 16156), (310, 16186), (311, 16192), (343, 16255), (354, 16279), (388, 16336), (418, 16423), (450, 16492), (511, 16597), (518, 16630),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 53

Candidate Starts for GMA2_29:

(Start: 53 @30651 has 22 MA's), (Start: 81 @30681 has 8 MA's), (86, 30687), (98, 30702), (121, 30750), (144, 30807), (180, 30882), (188, 30903), (217, 30942), (257, 31029), (273, 31065), (279, 31077), (287, 31086), (290, 31095), (316, 31152), (402, 31350), (418, 31392), (433, 31428), (445, 31455), (447, 31461), (469, 31494), (479, 31518), (512, 31563),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 99

Candidate Starts for GRU1_30:

(Start: 99 @22167 has 24 MA's), (135, 22245), (207, 22398), (254, 22512), (259, 22527), (292, 22590), (343, 22698), (462, 22953), (502, 23028), (510, 23049),

Gene: GTE2_15 Start: 14148, Stop: 15074, Start Num: 117

Candidate Starts for GTE2_15:

(Start: 92 @14103 has 54 MA's), (117, 14148), (124, 14169), (138, 14205), (161, 14256), (177, 14286), (212, 14364), (215, 14373), (216, 14376), (233, 14430), (242, 14442), (262, 14490), (286, 14532), (310, 14580), (330, 14631), (341, 14661), (354, 14691), (364, 14706), (366, 14709), (405, 14805), (411, 14823), (431, 14874), (432, 14877), (445, 14907), (448, 14916), (453, 14931), (483, 14988), (514, 15036), (518, 15060), (520, 15066),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 99

Candidate Starts for GTE5_31:

(Start: 99 @23122 has 24 MA's), (135, 23200), (207, 23353), (259, 23482), (343, 23653), (411, 23809), (462, 23908), (502, 23983), (510, 24004),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 53

Candidate Starts for GTE6_31:

(Start: 53 @27069 has 22 MA's), (65, 27081), (86, 27108), (116, 27156), (136, 27210), (176, 27288), (225, 27384), (243, 27417), (259, 27456), (320, 27585), (331, 27618), (345, 27654), (432, 27840), (445, 27870), (479, 27933), (508, 27966), (527, 28035),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 99

Candidate Starts for GTE8_29:

(Start: 99 @23138 has 24 MA's), (135, 23225), (173, 23300), (216, 23408), (226, 23447), (292, 23570), (343, 23678), (405, 23816), (462, 23948), (510, 24044),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Gabriela_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 68

Candidate Starts for Gaea_33:

(Start: 68 @28524 has 42 MA's), (153, 28680), (164, 28710), (170, 28722), (177, 28734), (184, 28749), (188, 28761), (261, 28920), (278, 28956), (307, 29016), (322, 29040), (330, 29052), (354, 29112), (400, 29202), (416, 29253), (433, 29292), (443, 29316), (448, 29328), (479, 29394), (489, 29409), (507, 29427), (509, 29433), (513, 29445),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 38

Candidate Starts for Gaia_13:

(Start: 38 @13325 has 2 MA's), (40, 13328), (Start: 94 @13421 has 13 MA's), (98, 13427), (120, 13472), (Start: 129 @13502 has 22 MA's), (140, 13529), (141, 13532), (145, 13538), (154, 13553), (156, 13556), (186, 13625), (188, 13631), (218, 13709), (245, 13766), (259, 13802), (291, 13868), (300, 13880), (336, 13982), (338, 13985), (349, 14012), (376, 14075), (416, 14156), (418, 14162), (442, 14219), (454, 14249), (463, 14264), (476, 14288), (480, 14294), (509, 14351), (528, 14423),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 68

Candidate Starts for Galadriel_34:

(Start: 68 @30272 has 42 MA's), (164, 30458), (170, 30470), (184, 30497), (191, 30518), (217, 30578), (260, 30665), (261, 30668), (278, 30704), (294, 30737), (302, 30752), (307, 30764), (325, 30794), (330, 30800), (354, 30860), (400, 30950), (433, 31040), (443, 31064), (448, 31076), (479, 31142), (509, 31181), (513, 31193), (519, 31223),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 127

Candidate Starts for Gambino_20:

(Start: 127 @16105 has 13 MA's), (Start: 137 @16120 has 1 MA's), (185, 16222), (200, 16261), (230, 16342), (272, 16426), (281, 16441), (326, 16549), (356, 16633), (394, 16699), (396, 16705), (411, 16744), (452, 16834), (483, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 49

Candidate Starts for Gancho_20:

(Start: 49 @16036 has 21 MA's), (Start: 53 @16045 has 22 MA's), (116, 16141), (120, 16150), (122, 16159), (141, 16210), (145, 16216), (188, 16306), (190, 16312), (198, 16330), (223, 16399), (225,

16408), (232, 16429), (236, 16435), (241, 16441), (244, 16444), (274, 16516), (276, 16519), (341, 16675), (374, 16744), (402, 16816), (411, 16834), (431, 16888), (443, 16918), (454, 16945), (456, 16948), (476, 16984), (480, 16990), (488, 17002), (509, 17044), (514, 17059), (515, 17062), (521, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 28

Candidate Starts for Ganymede_23:

(Start: 28 @16031 has 209 MA's), (54, 16148), (116, 16238), (Start: 123 @16259 has 1 MA's), (Start: 130 @16280 has 1 MA's), (141, 16307), (259, 16562), (301, 16643), (329, 16718), (333, 16733), (400, 16844), (416, 16886), (454, 16979), (467, 17003), (514, 17096), (523, 17135), (528, 17153),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 87

Candidate Starts for Gardann_17:

(Start: 87 @16079 has 65 MA's), (106, 16103), (120, 16133), (177, 16259), (217, 16331), (296, 16484), (298, 16487), (300, 16490), (311, 16520), (340, 16577), (352, 16601), (354, 16607), (390, 16676), (398, 16694), (407, 16715), (429, 16769), (434, 16781), (465, 16844), (521, 16973), (524, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 79

Candidate Starts for GardenSalsa_31:

(Start: 79 @22001 has 19 MA's), (Start: 87 @22010 has 65 MA's), (120, 22064), (131, 22100), (134, 22103), (143, 22121), (153, 22136), (184, 22205), (185, 22208), (298, 22433), (300, 22436), (311, 22466), (354, 22553), (411, 22673), (434, 22727), (441, 22742), (457, 22775), (520, 22898),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 87

Candidate Starts for Gattaca_48:

(Start: 87 @25618 has 65 MA's), (153, 25750), (161, 25774), (165, 25783), (169, 25789), (174, 25798), (185, 25822), (188, 25831), (193, 25843), (250, 25969), (289, 26050), (300, 26065), (302, 26071), (352, 26179), (411, 26305), (413, 26311), (447, 26386), (490, 26461), (493, 26467), (500, 26479), (501, 26482), (526, 26569), (527, 26572), (529, 26575),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 79

Candidate Starts for GenevaB15_31:

(Start: 79 @22046 has 19 MA's), (Start: 87 @22055 has 65 MA's), (120, 22109), (131, 22145), (134, 22148), (143, 22166), (153, 22181), (157, 22190), (184, 22250), (185, 22253), (298, 22478), (300, 22481), (311, 22511), (354, 22598), (417, 22739), (441, 22787), (457, 22820), (520, 22943),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 31

Candidate Starts for Gengar_20:

(Start: 31 @16348 has 29 MA's), (101, 16522), (Start: 129 @16588 has 22 MA's), (Start: 130 @16591 has 1 MA's), (141, 16618), (188, 16717), (231, 16819), (259, 16873), (275, 16903), (291, 16939), (293, 16942), (300, 16951), (328, 17026), (329, 17029), (343, 17065), (366, 17107), (385, 17125), (388, 17131), (400, 17155), (401, 17158), (403, 17164), (416, 17197), (514, 17407), (523, 17446), (528, 17464),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 68

Candidate Starts for Geodirt_31:

(Start: 68 @29258 has 42 MA's), (164, 29444), (170, 29456), (184, 29483), (191, 29504), (217, 29564), (261, 29654), (278, 29690), (294, 29723), (302, 29738), (307, 29750), (325, 29780), (330, 29786), (354, 29846), (400, 29936), (433, 30026), (443, 30050), (448, 30062), (479, 30128), (489, 30143), (509, 30167), (513, 30179),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 28

Candidate Starts for Geraldini_22:

(Start: 28 @16027 has 209 MA's), (54, 16144), (116, 16234), (Start: 123 @16255 has 1 MA's), (Start: 130 @16276 has 1 MA's), (141, 16303), (259, 16558), (301, 16639), (329, 16714), (333, 16729), (400, 16840), (403, 16849), (416, 16882), (454, 16975), (467, 16999), (514, 17092), (523, 17131), (528, 17149),

Gene: Getalong_20 Start: 16305, Stop: 17228, Start Num: 94

Candidate Starts for Getalong_20:

(Start: 94 @16305 has 13 MA's), (Start: 97 @16308 has 11 MA's), (106, 16320), (115, 16338), (131, 16383), (153, 16422), (170, 16461), (186, 16494), (188, 16500), (215, 16569), (233, 16623), (235, 16626), (238, 16629), (247, 16641), (260, 16665), (262, 16671), (270, 16689), (302, 16743), (307, 16755), (310, 16761), (322, 16782), (342, 16827), (343, 16830), (352, 16848), (354, 16854), (364, 16869), (366, 16872), (431, 17025), (432, 17028), (434, 17034), (450, 17067), (459, 17085), (475, 17118), (510, 17169), (515, 17184), (523, 17220),

Gene: Gezellig_31 Start: 25052, Stop: 25996, Start Num: 74

Candidate Starts for Gezellig_31:

(Start: 74 @25052 has 30 MA's), (Start: 129 @25157 has 22 MA's), (161, 25226), (164, 25232), (177, 25256), (184, 25271), (354, 25631), (364, 25646), (378, 25664), (415, 25766), (433, 25808), (448, 25844), (505, 25940), (519, 25991),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 129

Candidate Starts for Ghobes_15:

(Start: 126 @13485 has 6 MA's), (Start: 129 @13491 has 22 MA's), (146, 13518), (147, 13521), (237, 13725), (240, 13728), (254, 13755), (285, 13830), (294, 13848), (334, 13956), (417, 14142), (418, 14145), (451, 14217), (496, 14283), (511, 14319), (517, 14343),

Gene: GiKK_20 Start: 14134, Stop: 15093, Start Num: 92

Candidate Starts for GiKK_20:

(Start: 92 @14134 has 54 MA's), (Start: 118 @14182 has 2 MA's), (120, 14185), (153, 14263), (213, 14398), (215, 14404), (245, 14476), (255, 14500), (262, 14521), (310, 14611), (318, 14626), (326, 14641), (354, 14713), (395, 14800), (432, 14896), (445, 14926), (448, 14935), (459, 14959), (475, 14992), (479, 15001), (483, 15007), (515, 15058), (518, 15079), (520, 15085),

Gene: Gibbous_17 Start: 14967, Stop: 15938, Start Num: 92

Candidate Starts for Gibbous_17:

(46, 14892), (Start: 92 @14967 has 54 MA's), (117, 15012), (153, 15096), (177, 15150), (200, 15207), (212, 15231), (215, 15240), (216, 15243), (233, 15300), (262, 15360), (270, 15378), (310, 15450), (316, 15471), (354, 15552), (405, 15666), (432, 15735), (433, 15738), (445, 15765), (448, 15774), (459, 15798), (475, 15831), (484, 15849), (512, 15894), (518, 15924),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Gideon_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Giles_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368,

17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 79

Candidate Starts for Glaske16_28:

(Start: 79 @21456 has 19 MA's), (134, 21558), (143, 21576), (153, 21591), (185, 21663), (188, 21672), (228, 21750), (296, 21885), (298, 21888), (300, 21891), (332, 21960), (352, 22002), (354, 22008), (417, 22149), (429, 22170), (434, 22182), (508, 22305), (512, 22317),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 52

Candidate Starts for GodonK_88:

(Start: 52 @51377 has 2 MA's), (Start: 81 @51416 has 8 MA's), (133, 51521), (144, 51542), (168, 51593), (171, 51599), (186, 51632), (273, 51800), (290, 51830), (366, 52010), (390, 52064), (402, 52085), (411, 52103), (418, 52127), (429, 52154), (431, 52157), (433, 52163), (445, 52190), (459, 52208), (510, 52292), (512, 52298), (513, 52301),

Gene: Goib_22 Start: 15642, Stop: 16475, Start Num: 89

Candidate Starts for Goib_22:

(Start: 89 @15642 has 6 MA's), (Start: 92 @15645 has 54 MA's), (108, 15660), (122, 15699), (Start: 129 @15720 has 22 MA's), (Start: 130 @15723 has 1 MA's), (195, 15867), (289, 16053), (318, 16122), (389, 16224), (429, 16305), (431, 16308), (468, 16389), (471, 16395), (476, 16407), (478, 16410), (493, 16434),

Gene: GoldHunter_18 Start: 14765, Stop: 15736, Start Num: 92

Candidate Starts for GoldHunter_18:

(Start: 92 @14765 has 54 MA's), (117, 14810), (124, 14831), (153, 14894), (161, 14918), (177, 14948), (193, 14987), (212, 15026), (215, 15035), (216, 15038), (242, 15104), (262, 15152), (286, 15194), (310, 15242), (330, 15293), (354, 15353), (364, 15368), (366, 15371), (372, 15389), (379, 15395), (395, 15440), (405, 15467), (411, 15485), (432, 15539), (445, 15569), (448, 15578), (453, 15593), (483, 15650), (514, 15698), (518, 15722), (520, 15728),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for GoldenAsh_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 28

Candidate Starts for Gomashi_17:

(6, 15145), (Start: 28 @15478 has 209 MA's), (54, 15598), (65, 15616), (101, 15661), (105, 15667), (Start: 129 @15730 has 22 MA's), (145, 15766), (178, 15835), (180, 15838), (188, 15859), (216, 15913), (231, 15958), (249, 15988), (300, 16090), (305, 16102), (310, 16114), (314, 16132), (385, 16297), (400, 16327), (409, 16345), (416, 16369), (468, 16489), (514, 16579), (521, 16612),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 55

Candidate Starts for GrandSlam_21:

(Start: 55 @16827 has 16 MA's), (91, 16872), (110, 16902), (154, 17010), (219, 17160), (232, 17208), (274, 17292), (279, 17301), (302, 17343), (377, 17520), (409, 17589), (480, 17751), (501, 17784), (522, 17856), (523, 17859),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 49

Candidate Starts for Gravaillia_21:

(Start: 49 @16042 has 21 MA's), (Start: 53 @16051 has 22 MA's), (116, 16147), (120, 16156), (122, 16165), (141, 16216), (145, 16222), (188, 16312), (190, 16318), (198, 16336), (223, 16405), (225, 16414), (232, 16435), (236, 16441), (241, 16447), (244, 16450), (274, 16522), (276, 16525), (341, 16681), (374, 16750), (402, 16822), (411, 16840), (431, 16894), (443, 16924), (454, 16951), (456, 16954), (476, 16990), (480, 16996), (488, 17008), (509, 17050), (514, 17065), (515, 17068), (521, 17098),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 28

Candidate Starts for Grizzly_17:

(6, 15147), (Start: 28 @15480 has 209 MA's), (54, 15600), (65, 15618), (101, 15663), (105, 15669), (Start: 129 @15732 has 22 MA's), (145, 15768), (178, 15837), (180, 15840), (188, 15861), (216, 15915), (231, 15960), (249, 15990), (300, 16092), (305, 16104), (310, 16116), (385, 16299), (400, 16329), (409, 16347), (416, 16371), (460, 16473), (468, 16491), (514, 16581), (521, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 99

Candidate Starts for GrootJr_42:

(Start: 99 @29261 has 24 MA's), (135, 29348), (173, 29423), (200, 29489), (216, 29531), (233, 29588), (343, 29801), (354, 29828), (405, 29939), (462, 30071), (510, 30167),

Gene: Gspu1_19 Start: 14904, Stop: 15749, Start Num: 92

Candidate Starts for Gspu1_19:

(Start: 89 @14901 has 6 MA's), (Start: 92 @14904 has 54 MA's), (108, 14928), (120, 14958), (Start: 129 @14988 has 22 MA's), (Start: 130 @14991 has 1 MA's), (131, 14994), (152, 15036), (186, 15111), (188, 15117), (264, 15270), (289, 15321), (314, 15378), (342, 15423), (415, 15543), (416, 15546), (458, 15642), (476, 15681), (478, 15684), (499, 15720),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 126

Candidate Starts for Guacamole_18:

(Start: 126 @15791 has 6 MA's), (Start: 129 @15797 has 22 MA's), (200, 15953), (230, 16034), (281, 16133), (326, 16241), (356, 16325), (396, 16397), (452, 16526), (466, 16553), (483, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 28

Candidate Starts for Guanica15_22:

(Start: 28 @15243 has 209 MA's), (54, 15360), (116, 15450), (Start: 123 @15471 has 1 MA's), (141, 15519), (259, 15774), (301, 15855), (329, 15930), (333, 15945), (400, 16056), (416, 16098), (449, 16176), (454, 16191), (467, 16215), (514, 16308), (523, 16347), (528, 16365),

Gene: Guey18_57 Start: 28183, Stop: 29127, Start Num: 83

Candidate Starts for Guey18_57:

(Start: 83 @28183 has 5 MA's), (143, 28303), (188, 28399), (228, 28501), (261, 28567), (270, 28588), (273, 28594), (300, 28645), (310, 28669), (354, 28762), (382, 28801), (420, 28912), (423, 28918), (426, 28927), (431, 28933), (445, 28966), (448, 28975), (451, 28984), (459, 28999), (507, 29074), (511, 29086), (515, 29098), (518, 29119),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 31

Candidate Starts for Guillsminger_20:

(Start: 31 @16323 has 29 MA's), (Start: 129 @16563 has 22 MA's), (Start: 130 @16566 has 1 MA's), (141, 16593), (188, 16692), (231, 16794), (259, 16848), (275, 16878), (291, 16914), (293, 16917), (300, 16926), (328, 17001), (329, 17004), (366, 17082), (385, 17100), (388, 17106), (400, 17130), (401, 17133), (403, 17139), (416, 17172), (514, 17382), (523, 17421), (528, 17439),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 68

Candidate Starts for Gustavo_33:

(Start: 68 @28679 has 42 MA's), (143, 28820), (164, 28865), (170, 28877), (177, 28889), (184, 28904), (188, 28916), (198, 28943), (210, 28958), (217, 28985), (261, 29075), (278, 29111), (307, 29171), (330, 29207), (354, 29267), (400, 29357), (433, 29447), (443, 29471), (448, 29483), (479, 29549), (489, 29564), (509, 29588), (513, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 87

Candidate Starts for GuuelaD_17:

(Start: 87 @16108 has 65 MA's), (106, 16132), (120, 16162), (296, 16513), (298, 16516), (300, 16519), (311, 16549), (340, 16606), (352, 16630), (354, 16636), (390, 16705), (398, 16723), (407, 16744), (434, 16810), (464, 16870), (465, 16873), (521, 17002), (524, 17014),

Gene: GuyFagieri_44 Start: 30280, Stop: 31170, Start Num: 118

Candidate Starts for GuyFagieri_44:

(61, 30193), (96, 30241), (Start: 118 @30280 has 2 MA's), (173, 30397), (189, 30436), (196, 30454), (216, 30505), (259, 30604), (300, 30679), (303, 30688), (394, 30892), (405, 30922), (416, 30958), (434, 30997), (462, 31039), (496, 31102), (502, 31114), (510, 31135),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for HH92_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Hadrien_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 87

Candidate Starts for Hafay_17:

(Start: 87 @16107 has 65 MA's), (120, 16161), (177, 16287), (217, 16359), (296, 16512), (298, 16515), (300, 16518), (311, 16548), (340, 16605), (352, 16629), (354, 16635), (390, 16704), (398, 16722), (407, 16743), (429, 16797), (434, 16809), (465, 16872), (521, 17001), (524, 17013),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Hail_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 84

Candidate Starts for Halena_17:

(48, 15812), (Start: 71 @15848 has 9 MA's), (Start: 84 @15866 has 9 MA's), (106, 15890), (120, 15920), (124, 15935), (138, 15968), (217, 16112), (298, 16268), (300, 16271), (302, 16277), (324, 16322), (335, 16349), (354, 16388), (374, 16421), (382, 16430), (390, 16457), (441, 16577), (465, 16625), (479, 16652), (510, 16691), (512, 16697), (521, 16736),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 28

Candidate Starts for Halo_17:

(6, 15139), (Start: 28 @15472 has 209 MA's), (54, 15592), (65, 15610), (101, 15655), (105, 15661), (Start: 129 @15724 has 22 MA's), (145, 15760), (178, 15829), (180, 15832), (188, 15853), (216, 15907), (231, 15952), (249, 15982), (300, 16084), (305, 16096), (310, 16108), (314, 16126), (385, 16291), (400, 16321), (409, 16339), (416, 16363), (468, 16483), (514, 16573), (521, 16606),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 74

Candidate Starts for Halo3_31:

(Start: 74 @25345 has 30 MA's), (Start: 129 @25450 has 22 MA's), (161, 25519), (164, 25525), (177, 25549), (184, 25564), (354, 25924), (364, 25939), (378, 25957), (415, 26059), (433, 26101), (448, 26137), (505, 26233), (519, 26284),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 28

Candidate Starts for Hammy_21:

(Start: 28 @16436 has 209 MA's), (54, 16553), (65, 16571), (Start: 92 @16604 has 54 MA's), (116, 16643), (141, 16712), (188, 16811), (190, 16817), (231, 16913), (259, 16967), (291, 17033), (300, 17045), (366, 17201), (388, 17225), (416, 17291), (417, 17294), (418, 17297), (454, 17384), (514, 17501), (523, 17540), (528, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 55

Candidate Starts for Hamood_21:

(Start: 55 @16827 has 16 MA's), (91, 16872), (110, 16902), (154, 17010), (219, 17160), (232, 17208), (274, 17292), (279, 17301), (302, 17343), (377, 17520), (409, 17589), (480, 17751), (501, 17784), (522, 17856), (523, 17859),

Gene: HannahD_18 Start: 15721, Stop: 16650, Start Num: 88

Candidate Starts for HannahD_18:

(69, 15700), (Start: 88 @15721 has 13 MA's), (Start: 97 @15730 has 11 MA's), (120, 15772), (220, 16006), (235, 16051), (251, 16075), (257, 16081), (260, 16090), (262, 16096), (276, 16126), (296, 16156), (310, 16186), (311, 16192), (343, 16255), (354, 16279), (388, 16336), (418, 16423), (450, 16492), (511, 16597), (518, 16630),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 53

Candidate Starts for Hans_34:

(Start: 53 @28153 has 22 MA's), (Start: 129 @28276 has 22 MA's), (148, 28312), (176, 28372), (225, 28468), (278, 28579), (290, 28600), (331, 28702), (345, 28738), (445, 28954), (447, 28960), (455, 28975), (464, 28990), (479, 29026), (508, 29059), (509, 29062), (527, 29128),

Gene: Hedwig_19 Start: 16010, Stop: 16957, Start Num: 88

Candidate Starts for Hedwig_19:

(Start: 88 @16010 has 13 MA's), (215, 16286), (220, 16298), (251, 16370), (257, 16376), (262, 16391), (296, 16451), (310, 16481), (311, 16487), (343, 16550), (354, 16574), (355, 16577), (381, 16616), (405, 16685), (418, 16727), (431, 16754), (450, 16796), (451, 16799), (457, 16811), (483, 16862), (507, 16886), (521, 16940),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 28

Candidate Starts for HedwigODU_22:

(Start: 28 @16020 has 209 MA's), (54, 16137), (116, 16227), (Start: 123 @16248 has 1 MA's), (Start: 130 @16269 has 1 MA's), (141, 16296), (259, 16551), (301, 16632), (329, 16707), (333, 16722), (400, 16833), (416, 16875), (454, 16968), (467, 16992), (514, 17085), (523, 17124), (528, 17142),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 31

Candidate Starts for Heftyboy_20:

(Start: 31 @16471 has 29 MA's), (101, 16645), (Start: 129 @16711 has 22 MA's), (Start: 130 @16714 has 1 MA's), (141, 16741), (188, 16840), (231, 16942), (259, 16996), (275, 17026), (291, 17062), (293, 17065), (300, 17074), (328, 17149), (329, 17152), (343, 17188), (366, 17230), (385, 17248), (388, 17254), (400, 17278), (401, 17281), (403, 17287), (416, 17320), (514, 17530), (523, 17569), (528, 17587),

Gene: Hexbug_19 Start: 14820, Stop: 15779, Start Num: 92

Candidate Starts for Hexbug_19:

(46, 14745), (Start: 92 @14820 has 54 MA's), (106, 14841), (120, 14871), (153, 14949), (215, 15090), (255, 15186), (262, 15207), (286, 15249), (310, 15297), (318, 15312), (340, 15366), (354, 15399), (432, 15582), (433, 15585), (445, 15612), (448, 15621), (450, 15627), (459, 15645), (475, 15678), (479, 15687), (483, 15693), (518, 15765), (520, 15771),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 41

Candidate Starts for Hilltopfarm_23:

(Start: 41 @18643 has 4 MA's), (Start: 81 @18709 has 8 MA's), (Start: 129 @18799 has 22 MA's), (131, 18805), (156, 18853), (177, 18901), (188, 18928), (202, 18955), (204, 18958), (218, 18979), (240, 19030), (265, 19081), (269, 19090), (282, 19117), (314, 19192), (325, 19216), (388, 19306), (400, 19330), (401, 19333), (416, 19369), (439, 19423), (442, 19432), (461, 19474), (463, 19477), (509, 19558), (512, 19567), (523, 19612),

Gene: HippoPololi_19 Start: 15627, Stop: 16592, Start Num: 92

Candidate Starts for HippoPololi_19:

(Start: 92 @15627 has 54 MA's), (117, 15672), (138, 15729), (153, 15756), (177, 15810), (212, 15891), (215, 15900), (216, 15903), (233, 15960), (262, 16020), (270, 16038), (310, 16110), (316, 16125), (341, 16176), (342, 16179), (395, 16293), (405, 16320), (432, 16389), (433, 16392), (445, 16419), (448, 16428), (459, 16452), (475, 16485), (484, 16503), (512, 16548), (518, 16578),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 129

Candidate Starts for Hitter_18:

(Start: 126 @15787 has 6 MA's), (Start: 129 @15793 has 22 MA's), (200, 15949), (230, 16030), (281, 16129), (326, 16237), (356, 16321), (394, 16387), (411, 16432), (452, 16522), (483, 16564),

Gene: Holliday_19 Start: 15504, Stop: 16424, Start Num: 97

Candidate Starts for Holliday_19:

(Start: 94 @15501 has 13 MA's), (Start: 97 @15504 has 11 MA's), (106, 15516), (115, 15534), (131, 15579), (153, 15618), (170, 15657), (186, 15690), (188, 15696), (215, 15765), (233, 15819), (235, 15822), (238, 15825), (247, 15837), (258, 15855), (260, 15861), (262, 15867), (270, 15885), (302, 15939), (307, 15951), (310, 15957), (322, 15978), (343, 16026), (352, 16044), (354, 16050), (364, 16065), (366, 16068), (431, 16221), (432, 16224), (434, 16230), (450, 16263), (459, 16281), (475, 16314), (510, 16365), (515, 16380), (523, 16416),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Homura_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Hope_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Horseradish_18 Start: 14308, Stop: 15279, Start Num: 92

Candidate Starts for Horseradish_18:

(Start: 92 @14308 has 54 MA's), (117, 14353), (124, 14374), (Start: 129 @14389 has 22 MA's), (153, 14437), (161, 14461), (177, 14491), (212, 14569), (215, 14578), (216, 14581), (242, 14647), (262, 14695), (286, 14737), (310, 14785), (330, 14836), (354, 14896), (364, 14911), (366, 14914), (379, 14938), (405, 15010), (411, 15028), (431, 15079), (432, 15082), (445, 15112), (448, 15121), (453, 15136), (475, 15178), (483, 15193), (514, 15241), (518, 15265), (520, 15271),

Gene: Horus_19 Start: 15514, Stop: 16437, Start Num: 94

Candidate Starts for Horus_19:

(Start: 94 @15514 has 13 MA's), (Start: 97 @15517 has 11 MA's), (106, 15529), (115, 15547), (131, 15592), (153, 15631), (170, 15670), (186, 15703), (188, 15709), (215, 15778), (233, 15832), (235, 15835), (238, 15838), (247, 15850), (260, 15874), (262, 15880), (270, 15898), (302, 15952), (307, 15964), (310, 15970), (322, 15991), (342, 16036), (343, 16039), (352, 16057), (354, 16063), (364, 16078), (366, 16081), (431, 16234), (432, 16237), (434, 16243), (450, 16276), (459, 16294), (475, 16327), (510, 16378), (515, 16393), (523, 16429),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Hotshotbaby7_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: HubbaBubba_39 Start: 25653, Stop: 26573, Start Num: 104

Candidate Starts for HubbaBubba_39:

(Start: 104 @25653 has 7 MA's), (135, 25734), (158, 25779), (189, 25848), (259, 26016), (303, 26100), (327, 26151), (386, 26274), (428, 26382), (436, 26400), (462, 26442), (472, 26463), (508, 26532), (510, 26538), (516, 26559),

Gene: Huff_23 Start: 15864, Stop: 16697, Start Num: 89

Candidate Starts for Huff_23:

(Start: 89 @15864 has 6 MA's), (Start: 92 @15867 has 54 MA's), (108, 15882), (122, 15921), (Start: 129 @15942 has 22 MA's), (Start: 130 @15945 has 1 MA's), (195, 16089), (289, 16275), (339, 16362), (389, 16446), (429, 16527), (468, 16611), (471, 16617), (476, 16629), (478, 16632), (493, 16656),

Gene: Huphlepuuff_51 Start: 26243, Stop: 27205, Start Num: 87

Candidate Starts for Huphlepuuff_51:

(Start: 87 @26243 has 65 MA's), (153, 26375), (161, 26399), (165, 26408), (169, 26414), (174, 26423), (185, 26447), (188, 26456), (193, 26468), (198, 26480), (250, 26594), (289, 26675), (300, 26690), (302, 26696), (352, 26804), (411, 26930), (413, 26936), (447, 27011), (490, 27086), (493, 27092), (500, 27104), (501, 27107), (526, 27194), (527, 27197), (529, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 28

Candidate Starts for Hurricane_21:

(Start: 28 @16451 has 209 MA's), (54, 16574), (101, 16637), (105, 16643), (120, 16673), (Start: 130 @16706 has 1 MA's), (180, 16811), (188, 16832), (218, 16895), (231, 16934), (249, 16964), (291,

17051), (310, 17087), (385, 17234), (400, 17264), (403, 17273), (416, 17306), (417, 17309), (418, 17312), (454, 17399), (504, 17486), (521, 17549), (523, 17555),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Hyperbowlee_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 104

Candidate Starts for IDyn_41:

(Start: 104 @27049 has 7 MA's), (135, 27130), (158, 27175), (189, 27244), (259, 27412), (303, 27496), (327, 27547), (343, 27580), (386, 27670), (428, 27778), (462, 27838), (508, 27928), (510, 27934), (516, 27955),

Gene: IPhane7_27 Start: 21457, Stop: 22368, Start Num: 79

Candidate Starts for IPhane7_27:

(Start: 79 @21457 has 19 MA's), (134, 21559), (143, 21577), (153, 21592), (185, 21664), (188, 21673), (228, 21751), (296, 21886), (298, 21889), (300, 21892), (332, 21961), (352, 22003), (354, 22009), (417, 22150), (429, 22171), (434, 22183), (508, 22306), (512, 22318),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 78

Candidate Starts for Ibrahim_18:

(Start: 78 @16018 has 8 MA's), (101, 16045), (111, 16063), (190, 16240), (191, 16243), (222, 16318), (255, 16384), (266, 16411), (298, 16468), (302, 16477), (412, 16714), (419, 16738), (470, 16837), (478, 16858), (491, 16879), (509, 16918), (512, 16927),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 28

Candidate Starts for Illumine_22:

(Start: 28 @16034 has 209 MA's), (54, 16151), (Start: 123 @16262 has 1 MA's), (Start: 130 @16283 has 1 MA's), (141, 16310), (189, 16412), (259, 16565), (301, 16646), (320, 16700), (329, 16721), (333, 16736), (400, 16847), (416, 16889), (454, 16982), (467, 17006), (514, 17099), (523, 17138), (528, 17156),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Inky_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 53

Candidate Starts for Inspectinfecti_33:

(Start: 53 @28515 has 22 MA's), (Start: 129 @28638 has 22 MA's), (148, 28674), (176, 28734), (225, 28830), (278, 28941), (290, 28962), (331, 29064), (345, 29100), (445, 29316), (447, 29322), (455, 29337), (464, 29352), (479, 29388), (508, 29421), (509, 29424), (527, 29490),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 31

Candidate Starts for InvictusManeo_20:

(Start: 31 @16423 has 29 MA's), (101, 16597), (Start: 129 @16663 has 22 MA's), (Start: 130 @16666 has 1 MA's), (141, 16693), (188, 16792), (231, 16894), (259, 16948), (275, 16978), (291, 17014), (293, 17017), (300, 17026), (328, 17101), (329, 17104), (343, 17140), (366, 17182), (385, 17200), (388, 17206), (400, 17230), (401, 17233), (416, 17272), (514, 17482), (523, 17521), (528, 17539),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Itos_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 28

Candidate Starts for JAWS_22:

(Start: 28 @16005 has 209 MA's), (54, 16122), (116, 16212), (Start: 123 @16233 has 1 MA's), (Start: 130 @16254 has 1 MA's), (141, 16281), (259, 16536), (301, 16617), (329, 16692), (333, 16707), (400, 16818), (416, 16860), (454, 16953), (467, 16977), (514, 17070), (523, 17109), (528, 17127),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 28

Candidate Starts for JF1_23:

(Start: 28 @17489 has 209 MA's), (32, 17507), (43, 17579), (54, 17609), (116, 17699), (Start: 130 @17741 has 1 MA's), (140, 17765), (189, 17870), (296, 18092), (300, 18098), (364, 18248), (366, 18251), (385, 18269), (400, 18299), (416, 18341), (417, 18344), (439, 18395), (509, 18536), (514, 18551), (523, 18590), (528, 18608),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 68

Candidate Starts for JKSyngboy_31:

(Start: 68 @29254 has 42 MA's), (153, 29410), (164, 29440), (170, 29452), (177, 29464), (184, 29479), (188, 29491), (210, 29533), (260, 29647), (261, 29650), (278, 29686), (307, 29746), (322, 29770), (330, 29782), (354, 29842), (400, 29932), (433, 30022), (443, 30046), (448, 30058), (479, 30124), (489, 30139), (509, 30163), (513, 30175),

Gene: Jabbawokkie_20 Start: 13336, Stop: 14265, Start Num: 81

Candidate Starts for Jabbawokkie_20:

(Start: 81 @13336 has 8 MA's), (120, 13396), (138, 13447), (186, 13546), (188, 13552), (194, 13567), (247, 13687), (258, 13705), (291, 13771), (300, 13783), (321, 13828), (341, 13867), (343, 13873), (354, 13897), (355, 13900), (357, 13903), (364, 13912), (366, 13915), (398, 13981), (405, 14002), (406, 14005), (418, 14041), (431, 14068), (432, 14071), (450, 14110), (459, 14128), (462, 14134), (479, 14170), (483, 14176), (505, 14200), (508, 14206), (510, 14212),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 68

Candidate Starts for Jabberwocky_32:

(Start: 68 @30402 has 42 MA's), (164, 30588), (170, 30600), (184, 30627), (191, 30648), (217, 30708), (260, 30795), (261, 30798), (278, 30834), (294, 30867), (302, 30882), (307, 30894), (325, 30924), (330, 30930), (354, 30990), (400, 31080), (433, 31170), (443, 31194), (448, 31206), (479, 31272), (513, 31323),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 30

Candidate Starts for JacoRen57_16:

(Start: 30 @14312 has 4 MA's), (35, 14360), (Start: 72 @14465 has 1 MA's), (98, 14489), (101, 14492), (140, 14582), (142, 14588), (195, 14702), (198, 14711), (282, 14891), (300, 14924), (303, 14933), (353, 15062), (360, 15074), (366, 15083), (400, 15128), (403, 15137), (416, 15170), (425, 15191), (429, 15200), (454, 15260), (476, 15299), (480, 15305), (495, 15329), (521, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 127

Candidate Starts for Jalammah_20:

(Start: 127 @16587 has 13 MA's), (200, 16743), (230, 16824), (261, 16881), (266, 16890), (281, 16923), (326, 17031), (356, 17115), (394, 17181), (396, 17187), (452, 17316), (483, 17358),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 74

Candidate Starts for Jambalaya_30:

(Start: 74 @24699 has 30 MA's), (Start: 129 @24804 has 22 MA's), (161, 24873), (164, 24879), (177, 24903), (184, 24918), (354, 25278), (364, 25293), (378, 25311), (415, 25413), (433, 25455), (448, 25491), (505, 25587), (519, 25638),

Gene: Jamzy_20 Start: 14144, Stop: 15103, Start Num: 92

Candidate Starts for Jamzy_20:

(Start: 92 @14144 has 54 MA's), (Start: 118 @14192 has 2 MA's), (120, 14195), (153, 14273), (213, 14408), (215, 14414), (242, 14483), (245, 14486), (255, 14510), (262, 14531), (284, 14570), (310, 14621), (354, 14723), (395, 14810), (432, 14906), (445, 14936), (448, 14945), (459, 14969), (475, 15002), (479, 15011), (483, 15017), (515, 15068), (518, 15089), (520, 15095),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Jane_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Jarvi_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 129

Candidate Starts for JasperJr_18:

(Start: 126 @15791 has 6 MA's), (Start: 129 @15797 has 22 MA's), (200, 15953), (230, 16034), (281, 16133), (326, 16241), (356, 16325), (396, 16397), (452, 16526), (466, 16553), (483, 16568),

Gene: Jayhawk_23 Start: 16018, Stop: 17154, Start Num: 28

Candidate Starts for Jayhawk_23:

(Start: 28 @16018 has 209 MA's), (54, 16135), (116, 16225), (Start: 123 @16246 has 1 MA's), (Start: 130 @16267 has 1 MA's), (141, 16294), (259, 16549), (301, 16630), (329, 16705), (333, 16720), (400, 16831), (416, 16873), (454, 16966), (467, 16990), (514, 17083), (523, 17122), (528, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Jeckyll_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 99

Candidate Starts for Jifall16_39:

(Start: 99 @29533 has 24 MA's), (135, 29620), (173, 29695), (200, 29761), (216, 29803), (233, 29860), (343, 30073), (354, 30100), (405, 30211), (462, 30343), (510, 30439),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 87

Candidate Starts for Jobypre_18:

(Start: 87 @16490 has 65 MA's), (106, 16514), (124, 16559), (Start: 129 @16574 has 22 MA's), (138, 16595), (185, 16691), (255, 16826), (258, 16835), (298, 16895), (300, 16898), (302, 16904), (335, 16976), (352, 17009), (357, 17021), (390, 17084), (412, 17138), (418, 17159), (443, 17210), (465,

17252), (521, 17363), (522, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 71

Candidate Starts for JoeDirt_17:

(48, 15803), (51, 15806), (Start: 71 @15839 has 9 MA's), (Start: 84 @15857 has 9 MA's), (106, 15881), (120, 15911), (124, 15926), (138, 15959), (217, 16103), (252, 16184), (298, 16259), (300, 16262), (302, 16268), (324, 16313), (335, 16340), (352, 16373), (354, 16379), (374, 16412), (382, 16421), (390, 16448), (441, 16568), (465, 16616), (479, 16643), (510, 16682), (512, 16688), (521, 16727),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 87

Candidate Starts for JoieB_50:

(Start: 87 @26435 has 65 MA's), (153, 26567), (161, 26591), (165, 26600), (169, 26606), (174, 26615), (185, 26639), (188, 26648), (193, 26660), (250, 26786), (289, 26867), (300, 26882), (302, 26888), (352, 26996), (411, 27122), (413, 27128), (490, 27278), (493, 27284), (500, 27296), (501, 27299), (526, 27386), (527, 27389), (529, 27392),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Jolene_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 28

Candidate Starts for Jolie2_17:

(1, 13731), (6, 14433), (Start: 28 @14787 has 209 MA's), (43, 14886), (65, 14934), (101, 14979), (105, 14985), (116, 15009), (145, 15084), (178, 15153), (180, 15156), (189, 15180), (214, 15231), (216, 15237), (231, 15282), (305, 15426), (317, 15465), (327, 15486), (371, 15591), (418, 15699), (460, 15795), (514, 15903), (521, 15936), (523, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 47

Candidate Starts for JonJames_46:

(Start: 47 @32084 has 2 MA's), (116, 32171), (140, 32237), (149, 32252), (152, 32258), (242, 32429), (269, 32486), (300, 32540), (310, 32564), (354, 32663), (366, 32681), (400, 32729), (411, 32747), (418, 32771), (508, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Jonghyun_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for JorRay_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 28

Candidate Starts for Joy99_22:

(Start: 28 @15980 has 209 MA's), (54, 16097), (116, 16187), (Start: 123 @16208 has 1 MA's), (Start: 130 @16229 has 1 MA's), (141, 16256), (259, 16511), (301, 16592), (329, 16667), (333, 16682), (400, 16793), (416, 16835), (454, 16928), (467, 16952), (514, 17045), (523, 17084), (528, 17102),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 127

Candidate Starts for JuJu_18:

(Start: 127 @15718 has 13 MA's), (Start: 137 @15733 has 1 MA's), (200, 15874), (230, 15955), (326, 16162), (356, 16246), (394, 16312), (411, 16357), (452, 16447), (466, 16474), (483, 16489),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 87

Candidate Starts for Jubie_18:

(Start: 87 @16491 has 65 MA's), (106, 16515), (124, 16560), (Start: 129 @16575 has 22 MA's), (138, 16596), (185, 16692), (255, 16827), (258, 16836), (298, 16896), (300, 16899), (302, 16905), (335, 16977), (352, 17010), (357, 17022), (390, 17085), (412, 17139), (418, 17160), (443, 17211), (465, 17253), (521, 17364), (522, 17367),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 28

Candidate Starts for Juliette_23:

(Start: 28 @17390 has 209 MA's), (43, 17480), (54, 17510), (116, 17600), (Start: 130 @17642 has 1 MA's), (131, 17645), (136, 17657), (296, 17993), (300, 17999), (328, 18074), (366, 18152), (384, 18167), (400, 18200), (416, 18242), (417, 18245), (456, 18338), (514, 18452), (523, 18491), (528, 18509),

Gene: JustASigh_18 Start: 15253, Stop: 16359, Start Num: 45

Candidate Starts for JustASigh_18:

(Start: 45 @15253 has 1 MA's), (Start: 49 @15268 has 21 MA's), (Start: 67 @15298 has 1 MA's), (Start: 70 @15301 has 4 MA's), (Start: 123 @15397 has 1 MA's), (140, 15442), (141, 15445), (145, 15451), (154, 15466), (192, 15550), (236, 15670), (267, 15727), (273, 15742), (304, 15805), (333, 15886), (341, 15904), (402, 16045), (461, 16186), (463, 16189), (476, 16213), (501, 16252), (509, 16273), (515, 16291),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 100

Candidate Starts for Kabluna_43:

(Start: 100 @28640 has 6 MA's), (135, 28721), (156, 28757), (216, 28904), (327, 29138), (341, 29165), (405, 29309), (462, 29426), (510, 29522), (512, 29528), (516, 29543),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 87

Candidate Starts for Kahlid_17:

(Start: 87 @16079 has 65 MA's), (106, 16103), (120, 16133), (177, 16259), (217, 16331), (296, 16484), (298, 16487), (300, 16490), (311, 16520), (340, 16577), (352, 16601), (354, 16607), (390, 16676), (398, 16694), (407, 16715), (429, 16769), (434, 16781), (465, 16844), (521, 16973), (524, 16985),

Gene: Kamaru_19 Start: 15501, Stop: 16424, Start Num: 94

Candidate Starts for Kamaru_19:

(Start: 94 @15501 has 13 MA's), (Start: 97 @15504 has 11 MA's), (106, 15516), (115, 15534), (131, 15579), (153, 15618), (170, 15657), (186, 15690), (188, 15696), (215, 15765), (233, 15819), (235, 15822), (238, 15825), (247, 15837), (258, 15855), (260, 15861), (262, 15867), (270, 15885), (302, 15939), (307, 15951), (310, 15957), (322, 15978), (343, 16026), (352, 16044), (354, 16050), (364, 16065), (366, 16068), (431, 16221), (432, 16224), (434, 16230), (450, 16263), (459, 16281), (475, 16314), (510, 16365), (515, 16380), (523, 16416),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 68

Candidate Starts for Kamashten_33:

(Start: 68 @29854 has 42 MA's), (164, 30040), (170, 30052), (184, 30079), (191, 30100), (217, 30160), (260, 30247), (261, 30250), (278, 30286), (294, 30319), (302, 30334), (307, 30346), (325, 30376), (330, 30382), (354, 30442), (400, 30532), (433, 30622), (443, 30646), (448, 30658), (479, 30724), (489, 30739), (509, 30763), (513, 30775),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 129

Candidate Starts for KappaFarmDelta_18:

(Start: 126 @15955 has 6 MA's), (Start: 129 @15961 has 22 MA's), (160, 16027), (200, 16117), (230, 16198), (326, 16405), (356, 16489), (394, 16555), (396, 16561), (452, 16690), (466, 16717), (483, 16732),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Kareem_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 28

Candidate Starts for Kasen3_17:

(6, 15145), (Start: 28 @15478 has 209 MA's), (54, 15598), (65, 15616), (101, 15661), (105, 15667), (Start: 129 @15730 has 22 MA's), (145, 15766), (178, 15835), (180, 15838), (188, 15859), (216, 15913), (231, 15958), (249, 15988), (300, 16090), (305, 16102), (310, 16114), (314, 16132), (385, 16297), (400, 16327), (409, 16345), (416, 16369), (468, 16489), (514, 16579), (521, 16612),

Gene: KayGee_16 Start: 14465, Stop: 15421, Start Num: 92

Candidate Starts for KayGee_16:

(Start: 92 @14465 has 54 MA's), (117, 14510), (138, 14567), (153, 14594), (177, 14648), (188, 14675), (212, 14726), (213, 14729), (215, 14735), (216, 14738), (233, 14792), (245, 14807), (261, 14849), (262, 14852), (273, 14876), (284, 14891), (310, 14942), (354, 15038), (432, 15224), (445, 15254), (448, 15263), (459, 15287), (475, 15320), (518, 15407), (520, 15413),

Gene: Keelan_50 Start: 26977, Stop: 27921, Start Num: 83

Candidate Starts for Keelan_50:

(Start: 83 @26977 has 5 MA's), (143, 27097), (186, 27187), (213, 27247), (233, 27307), (251, 27334), (261, 27361), (270, 27382), (273, 27388), (291, 27427), (300, 27439), (354, 27556), (355, 27559), (382, 27595), (420, 27706), (426, 27721), (445, 27760), (448, 27769), (451, 27778), (459, 27793), (507, 27868), (518, 27913),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 68

Candidate Starts for Keitabear_34:

(Start: 68 @31219 has 42 MA's), (164, 31405), (170, 31417), (184, 31444), (261, 31615), (278, 31651), (294, 31684), (302, 31699), (307, 31711), (325, 31741), (330, 31747), (354, 31807), (400, 31897), (433, 31987), (443, 32011), (448, 32023), (479, 32089), (489, 32104), (513, 32140),

Gene: Kenna_18 Start: 15508, Stop: 16431, Start Num: 94

Candidate Starts for Kenna_18:

(Start: 94 @15508 has 13 MA's), (Start: 97 @15511 has 11 MA's), (106, 15523), (115, 15541), (131, 15586), (153, 15625), (170, 15664), (186, 15697), (188, 15703), (215, 15772), (233, 15826), (235, 15829), (238, 15832), (247, 15844), (258, 15862), (260, 15868), (262, 15874), (270, 15892), (302, 15946), (307, 15958), (310, 15964), (322, 15985), (343, 16033), (352, 16051), (354, 16057), (364, 16072), (366, 16075), (431, 16228), (432, 16231), (434, 16237), (450, 16270), (459, 16288), (475,

16321), (510, 16372), (515, 16387), (523, 16423),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 28

Candidate Starts for Keshu_21:

(Start: 28 @16443 has 209 MA's), (54, 16566), (101, 16629), (105, 16635), (120, 16665), (Start: 130 @16698 has 1 MA's), (180, 16803), (188, 16824), (190, 16830), (218, 16887), (231, 16926), (249, 16956), (259, 16980), (291, 17043), (310, 17079), (385, 17226), (400, 17256), (403, 17265), (416, 17298), (417, 17301), (418, 17304), (454, 17391), (504, 17478), (521, 17541), (523, 17547),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 68

Candidate Starts for Kewpiedoll_33:

(Start: 68 @29261 has 42 MA's), (164, 29447), (170, 29459), (184, 29486), (191, 29507), (217, 29567), (261, 29657), (278, 29693), (294, 29726), (302, 29741), (307, 29753), (325, 29783), (330, 29789), (354, 29849), (400, 29939), (433, 30029), (443, 30053), (448, 30065), (479, 30131), (489, 30146), (509, 30170), (513, 30182),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 28

Candidate Starts for KiSi_21:

(Start: 28 @15189 has 209 MA's), (54, 15306), (65, 15324), (Start: 123 @15417 has 1 MA's), (141, 15465), (231, 15666), (259, 15720), (282, 15765), (291, 15786), (314, 15840), (328, 15873), (333, 15891), (366, 15954), (416, 16044), (417, 16047), (439, 16098), (454, 16137), (514, 16254), (523, 16293), (528, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 99

Candidate Starts for KidneyBean_40:

(Start: 99 @29657 has 24 MA's), (135, 29744), (173, 29819), (200, 29885), (216, 29927), (233, 29984), (343, 30197), (354, 30224), (405, 30335), (462, 30467), (510, 30563),

Gene: Kiko_19 Start: 15761, Stop: 16708, Start Num: 88

Candidate Starts for Kiko_19:

(Start: 88 @15761 has 13 MA's), (102, 15779), (183, 15956), (215, 16037), (220, 16049), (235, 16094), (251, 16121), (257, 16127), (262, 16142), (296, 16202), (310, 16232), (311, 16238), (343, 16301), (405, 16436), (418, 16478), (431, 16505), (450, 16547), (451, 16550), (457, 16562), (476, 16601), (483, 16613), (507, 16637), (520, 16688),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 93

Candidate Starts for Kimchi1738_30:

(Start: 93 @26704 has 8 MA's), (107, 26728), (Start: 123 @26773 has 1 MA's), (149, 26833), (210, 26968), (276, 27130), (297, 27163), (341, 27238), (350, 27262), (396, 27337), (420, 27403), (439, 27439), (459, 27466), (492, 27523),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 74

Candidate Starts for KimmyK_32:

(Start: 74 @25634 has 30 MA's), (Start: 129 @25739 has 22 MA's), (161, 25808), (164, 25814), (177, 25838), (184, 25853), (354, 26213), (364, 26228), (378, 26246), (415, 26348), (433, 26390), (448, 26426), (505, 26522), (519, 26573),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Kinbote_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476,

17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 87

Candidate Starts for Kingsolomon_18:

(Start: 87 @16490 has 65 MA's), (106, 16514), (124, 16559), (Start: 129 @16574 has 22 MA's), (138, 16595), (185, 16691), (255, 16826), (258, 16835), (298, 16895), (300, 16898), (302, 16904), (335, 16976), (352, 17009), (357, 17021), (390, 17084), (412, 17138), (418, 17159), (443, 17210), (465, 17252), (521, 17363), (522, 17366),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 31

Candidate Starts for Kratio_19:

(Start: 31 @16054 has 29 MA's), (101, 16228), (Start: 129 @16294 has 22 MA's), (Start: 130 @16297 has 1 MA's), (141, 16324), (188, 16423), (231, 16525), (259, 16579), (275, 16609), (291, 16645), (293, 16648), (300, 16657), (328, 16732), (329, 16735), (343, 16771), (366, 16813), (385, 16831), (388, 16837), (400, 16861), (401, 16864), (416, 16903), (461, 17008), (514, 17113), (523, 17152), (528, 17170),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 68

Candidate Starts for Kroos_34:

(Start: 68 @29432 has 42 MA's), (153, 29588), (164, 29618), (170, 29630), (177, 29642), (184, 29657), (188, 29669), (261, 29828), (278, 29864), (307, 29924), (330, 29960), (354, 30020), (400, 30110), (433, 30200), (443, 30224), (448, 30236), (479, 30302), (489, 30317), (509, 30341), (513, 30353),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 28

Candidate Starts for Krueger_21:

(Start: 28 @15170 has 209 MA's), (54, 15290), (116, 15380), (141, 15449), (231, 15650), (301, 15785), (302, 15788), (333, 15875), (364, 15935), (385, 15956), (400, 15986), (416, 16028), (417, 16031), (418, 16034), (454, 16121), (467, 16145), (509, 16223), (514, 16238), (523, 16277), (528, 16295),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 87

Candidate Starts for Krypton555_18:

(Start: 87 @16428 has 65 MA's), (106, 16452), (124, 16497), (Start: 129 @16512 has 22 MA's), (138, 16533), (185, 16629), (255, 16764), (258, 16773), (298, 16833), (300, 16836), (302, 16842), (335, 16914), (352, 16947), (357, 16959), (390, 17022), (412, 17076), (418, 17097), (443, 17148), (465, 17190), (521, 17301), (522, 17304),

Gene: Kudrefre_26 Start: 20872, Stop: 21783, Start Num: 82

Candidate Starts for Kudrefre_26:

(Start: 82 @20872 has 11 MA's), (95, 20887), (233, 21178), (234, 21181), (286, 21280), (296, 21298), (300, 21304), (310, 21328), (352, 21415), (354, 21421), (381, 21469), (410, 21547), (411, 21550), (433, 21601), (459, 21655), (481, 21697), (509, 21733), (510, 21736), (515, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 74

Candidate Starts for Kumao_27:

(Start: 74 @20552 has 30 MA's), (111, 20600), (Start: 129 @20651 has 22 MA's), (153, 20693), (159, 20708), (170, 20735), (185, 20765), (255, 20906), (296, 20987), (298, 20990), (300, 20993), (302, 20999), (352, 21104), (354, 21110), (429, 21272), (443, 21305), (457, 21332), (483, 21380), (512, 21419), (520, 21455),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 99

Candidate Starts for Kurt_40:

(Start: 99 @29894 has 24 MA's), (135, 29981), (173, 30056), (200, 30122), (216, 30164), (233, 30221), (343, 30434), (354, 30461), (405, 30572), (462, 30704), (510, 30800),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 53

Candidate Starts for Kwekel_31:

(Start: 53 @26508 has 22 MA's), (65, 26520), (Start: 81 @26541 has 8 MA's), (86, 26547), (114, 26586), (116, 26595), (Start: 129 @26631 has 22 MA's), (136, 26649), (140, 26658), (176, 26727), (225, 26823), (243, 26856), (320, 27024), (331, 27057), (345, 27093), (384, 27168), (429, 27273), (432, 27279), (445, 27309), (464, 27336), (479, 27372), (508, 27405), (527, 27474),

Gene: Kwobi_34 Start: 29418, Stop: 30374, Start Num: 68

Candidate Starts for Kwobi_34:

(Start: 68 @29418 has 42 MA's), (153, 29574), (164, 29604), (170, 29616), (177, 29628), (184, 29643), (188, 29655), (261, 29814), (278, 29850), (307, 29910), (330, 29946), (354, 30006), (400, 30096), (433, 30186), (443, 30210), (448, 30222), (479, 30288), (489, 30303), (509, 30327), (513, 30339),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 31

Candidate Starts for Larva_20:

(Start: 31 @16169 has 29 MA's), (101, 16343), (Start: 129 @16409 has 22 MA's), (141, 16439), (188, 16538), (231, 16640), (259, 16694), (275, 16724), (291, 16760), (293, 16763), (300, 16772), (328, 16847), (329, 16850), (343, 16886), (366, 16928), (385, 16946), (388, 16952), (400, 16976), (401, 16979), (416, 17018), (460, 17120), (514, 17228), (523, 17267), (528, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 28

Candidate Starts for LastHope_22:

(Start: 28 @15314 has 209 MA's), (54, 15431), (Start: 123 @15542 has 1 MA's), (141, 15590), (189, 15692), (259, 15845), (301, 15926), (333, 16016), (400, 16127), (416, 16169), (454, 16262), (467, 16286), (514, 16379), (523, 16418), (528, 16436),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 28

Candidate Starts for LaterM_22:

(Start: 28 @15979 has 209 MA's), (54, 16096), (Start: 123 @16207 has 1 MA's), (Start: 130 @16228 has 1 MA's), (141, 16255), (189, 16357), (259, 16510), (301, 16591), (333, 16681), (400, 16792), (416, 16834), (454, 16927), (467, 16951), (514, 17044), (523, 17083), (528, 17101),

Gene: Lauer_16 Start: 14514, Stop: 15470, Start Num: 92

Candidate Starts for Lauer_16:

(Start: 92 @14514 has 54 MA's), (117, 14559), (138, 14616), (153, 14643), (177, 14697), (188, 14724), (212, 14775), (213, 14778), (215, 14784), (216, 14787), (233, 14841), (245, 14856), (262, 14901), (273, 14925), (284, 14940), (310, 14991), (354, 15087), (432, 15273), (445, 15303), (448, 15312), (475, 15369), (510, 15420), (518, 15456), (520, 15462),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 71

Candidate Starts for LeBron_17:

(Start: 71 @15873 has 9 MA's), (Start: 84 @15891 has 9 MA's), (106, 15915), (120, 15945), (124, 15960), (138, 15993), (217, 16137), (252, 16218), (298, 16293), (300, 16296), (302, 16302), (324, 16347), (335, 16374), (352, 16407), (354, 16413), (374, 16446), (382, 16455), (390, 16482), (441, 16602), (465, 16650), (510, 16716), (512, 16722), (521, 16761),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 28

Candidate Starts for LeMond_21:

(Start: 28 @15260 has 209 MA's), (54, 15377), (65, 15395), (101, 15440), (Start: 123 @15488 has 1 MA's), (141, 15536), (231, 15737), (259, 15791), (282, 15836), (291, 15857), (314, 15911), (328, 15944), (333, 15962), (366, 16025), (416, 16115), (417, 16118), (439, 16169), (454, 16208), (514, 16325), (523, 16364), (528, 16382),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 28

Candidate Starts for Lemuria_17:

(Start: 28 @14821 has 209 MA's), (65, 14968), (101, 15013), (105, 15019), (140, 15109), (178, 15187), (180, 15190), (188, 15211), (189, 15214), (214, 15265), (216, 15271), (231, 15316), (305, 15460), (314, 15490), (328, 15523), (371, 15625), (388, 15661), (400, 15685), (418, 15733), (460, 15829), (507, 15916), (514, 15937), (521, 15970), (523, 15976),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 68

Candidate Starts for Lennon_34:

(Start: 68 @31006 has 42 MA's), (164, 31192), (170, 31204), (184, 31231), (191, 31252), (217, 31312), (260, 31399), (261, 31402), (278, 31438), (294, 31471), (302, 31486), (307, 31498), (325, 31528), (330, 31534), (354, 31594), (400, 31684), (433, 31774), (443, 31798), (448, 31810), (479, 31876), (513, 31927), (519, 31957),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 53

Candidate Starts for Leonard_32:

(Start: 53 @28151 has 22 MA's), (Start: 129 @28274 has 22 MA's), (148, 28310), (176, 28370), (225, 28466), (278, 28577), (290, 28598), (331, 28700), (340, 28721), (345, 28736), (377, 28793), (400, 28844), (445, 28952), (447, 28958), (455, 28973), (465, 28991), (479, 29024), (508, 29057), (509, 29060), (527, 29126),

Gene: Leroy_19 Start: 15515, Stop: 16438, Start Num: 94

Candidate Starts for Leroy_19:

(Start: 94 @15515 has 13 MA's), (Start: 97 @15518 has 11 MA's), (106, 15530), (115, 15548), (131, 15593), (153, 15632), (170, 15671), (186, 15704), (188, 15710), (215, 15779), (235, 15836), (238, 15839), (247, 15851), (260, 15875), (262, 15881), (270, 15899), (302, 15953), (307, 15965), (310, 15971), (322, 15992), (343, 16040), (352, 16058), (354, 16064), (364, 16079), (366, 16082), (431, 16235), (432, 16238), (434, 16244), (450, 16277), (459, 16295), (475, 16328), (510, 16379), (515, 16394), (523, 16430),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 31

Candidate Starts for Leston_20:

(Start: 31 @16453 has 29 MA's), (Start: 129 @16693 has 22 MA's), (Start: 130 @16696 has 1 MA's), (141, 16723), (188, 16822), (231, 16924), (259, 16978), (275, 17008), (291, 17044), (293, 17047), (300, 17056), (328, 17131), (329, 17134), (366, 17212), (385, 17230), (388, 17236), (400, 17260), (401, 17263), (403, 17269), (416, 17302), (514, 17512), (523, 17551), (528, 17569),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Lewan_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 28

Candidate Starts for Liefie_17:

(6, 15143), (Start: 28 @15476 has 209 MA's), (54, 15596), (65, 15614), (101, 15659), (105, 15665), (Start: 129 @15728 has 22 MA's), (145, 15764), (178, 15833), (180, 15836), (188, 15857), (216, 15911), (231, 15956), (249, 15986), (300, 16088), (305, 16100), (314, 16130), (385, 16295), (400,

16325), (409, 16343), (416, 16367), (468, 16487), (514, 16577), (521, 16610),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 87

Candidate Starts for LilDestine_17:

(Start: 87 @16073 has 65 MA's), (106, 16097), (120, 16127), (177, 16253), (217, 16325), (296, 16478), (298, 16481), (300, 16484), (311, 16514), (340, 16571), (352, 16595), (354, 16601), (390, 16670), (398, 16688), (407, 16709), (434, 16775), (465, 16838), (521, 16967), (524, 16979),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 68

Candidate Starts for LilHam_31:

(Start: 68 @28021 has 42 MA's), (164, 28207), (170, 28219), (177, 28231), (184, 28246), (188, 28258), (198, 28285), (210, 28300), (217, 28327), (261, 28417), (278, 28453), (307, 28513), (322, 28537), (330, 28549), (354, 28609), (400, 28699), (433, 28789), (443, 28813), (448, 28825), (479, 28891), (489, 28906), (509, 28930), (513, 28942),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for LilHazelnut_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 28

Candidate Starts for LilPharaoh_18:

(Start: 28 @15554 has 209 MA's), (54, 15677), (116, 15767), (141, 15836), (188, 15935), (189, 15938), (231, 16037), (301, 16172), (400, 16373), (416, 16415), (417, 16418), (454, 16508), (467, 16532), (514, 16625), (523, 16664), (528, 16682),

Gene: LilSpotty_16 Start: 13314, Stop: 14294, Start Num: 55

Candidate Starts for LilSpotty_16:

(Start: 55 @13314 has 16 MA's), (102, 13371), (115, 13392), (Start: 129 @13434 has 22 MA's), (138, 13455), (153, 13479), (186, 13554), (247, 13695), (268, 13740), (276, 13755), (284, 13764), (310, 13815), (328, 13860), (364, 13941), (384, 13974), (400, 14016), (408, 14040), (419, 14073), (432, 14103), (433, 14106), (445, 14133), (448, 14142), (453, 14157), (459, 14166),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 50

Candidate Starts for Lilbeanie_29:

(Start: 50 @23420 has 1 MA's), (54, 23426), (86, 23471), (111, 23504), (148, 23594), (220, 23729), (225, 23750), (331, 23984), (345, 24020), (364, 24056), (402, 24143), (425, 24206), (432, 24221), (445, 24251), (502, 24332), (508, 24347), (509, 24350), (527, 24422),

Gene: Lilbit_50 Start: 26439, Stop: 27401, Start Num: 87

Candidate Starts for Lilbit_50:

(Start: 87 @26439 has 65 MA's), (153, 26571), (161, 26595), (165, 26604), (169, 26610), (174, 26619), (185, 26643), (188, 26652), (193, 26664), (198, 26676), (250, 26790), (289, 26871), (300, 26886), (302, 26892), (352, 27000), (411, 27126), (413, 27132), (447, 27207), (490, 27282), (493, 27288), (500, 27300), (501, 27303), (526, 27390), (527, 27393), (529, 27396),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 79

Candidate Starts for LilhomieP_26:

(Start: 79 @21457 has 19 MA's), (134, 21559), (143, 21577), (153, 21592), (185, 21664), (188, 21673), (228, 21751), (296, 21886), (298, 21889), (300, 21892), (332, 21961), (352, 22003), (354,

22009), (417, 22150), (429, 22171), (434, 22183), (508, 22306), (512, 22318),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 28

Candidate Starts for LindNT_22:

(Start: 28 @15985 has 209 MA's), (54, 16102), (116, 16192), (Start: 123 @16213 has 1 MA's), (Start: 130 @16234 has 1 MA's), (141, 16261), (259, 16516), (301, 16597), (329, 16672), (333, 16687), (400, 16798), (416, 16840), (454, 16933), (467, 16957), (514, 17050), (523, 17089), (528, 17107),

Gene: LitninMcQueen_19 Start: 15502, Stop: 16425, Start Num: 94

Candidate Starts for LitninMcQueen_19:

(Start: 94 @15502 has 13 MA's), (Start: 97 @15505 has 11 MA's), (106, 15517), (115, 15535), (131, 15580), (153, 15619), (170, 15658), (186, 15691), (188, 15697), (215, 15766), (233, 15820), (235, 15823), (238, 15826), (247, 15838), (258, 15856), (260, 15862), (262, 15868), (270, 15886), (302, 15940), (307, 15952), (310, 15958), (322, 15979), (343, 16027), (352, 16045), (354, 16051), (364, 16066), (366, 16069), (431, 16222), (432, 16225), (434, 16231), (450, 16264), (459, 16282), (475, 16315), (510, 16366), (515, 16381), (523, 16417),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 87

Candidate Starts for LittleLaf_49:

(Start: 87 @26168 has 65 MA's), (153, 26300), (161, 26324), (165, 26333), (169, 26339), (174, 26348), (185, 26372), (188, 26381), (193, 26393), (198, 26405), (250, 26519), (289, 26600), (300, 26615), (302, 26621), (352, 26729), (411, 26855), (413, 26861), (447, 26936), (490, 27011), (493, 27017), (500, 27029), (501, 27032), (526, 27119), (527, 27122), (529, 27125),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Llorens_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 87

Candidate Starts for Loadrie_17:

(Start: 87 @16106 has 65 MA's), (106, 16130), (120, 16160), (177, 16286), (217, 16358), (296, 16511), (298, 16514), (300, 16517), (311, 16547), (340, 16604), (352, 16628), (354, 16634), (390, 16703), (398, 16721), (407, 16742), (429, 16796), (434, 16808), (465, 16871), (521, 17000), (524, 17012),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 99

Candidate Starts for Lollipop1437_45:

(Start: 99 @30536 has 24 MA's), (135, 30614), (173, 30689), (216, 30797), (254, 30881), (341, 31061), (343, 31067), (436, 31283), (462, 31322), (502, 31397), (510, 31418), (516, 31439),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 87

Candidate Starts for Lolly9_18:

(Start: 87 @16308 has 65 MA's), (106, 16332), (124, 16377), (Start: 129 @16392 has 22 MA's), (138, 16413), (185, 16509), (255, 16644), (258, 16653), (298, 16713), (300, 16716), (302, 16722), (335, 16794), (352, 16827), (357, 16839), (390, 16902), (411, 16953), (418, 16977), (443, 17028), (465, 17070), (521, 17181), (522, 17184),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for LouisV14_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216,

15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 68

Candidate Starts for Love_37:

(Start: 68 @30788 has 42 MA's), (164, 30974), (170, 30986), (184, 31013), (191, 31034), (217, 31094), (260, 31181), (261, 31184), (278, 31220), (294, 31253), (302, 31268), (307, 31280), (325, 31310), (330, 31316), (354, 31376), (400, 31466), (416, 31517), (433, 31556), (443, 31580), (448, 31592), (479, 31658), (509, 31697), (513, 31709), (519, 31739),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 60

Candidate Starts for Lozinak_47:

(Start: 56 @28706 has 9 MA's), (Start: 60 @28712 has 9 MA's), (98, 28760), (116, 28787), (142, 28859), (176, 28925), (188, 28955), (251, 29063), (300, 29156), (310, 29180), (313, 29195), (366, 29291), (400, 29339), (494, 29519), (509, 29555),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Luke_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 87

Candidate Starts for Lumos_18:

(Start: 87 @16487 has 65 MA's), (106, 16511), (124, 16556), (Start: 129 @16571 has 22 MA's), (138, 16592), (185, 16688), (255, 16823), (258, 16832), (298, 16892), (300, 16895), (302, 16901), (335, 16973), (352, 17006), (357, 17018), (390, 17081), (412, 17135), (418, 17156), (443, 17207), (465, 17249), (521, 17360), (522, 17363),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Luna22_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Lunahalos_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Lutum_19 Start: 15511, Stop: 16431, Start Num: 97

Candidate Starts for Lutum_19:

(Start: 94 @15508 has 13 MA's), (Start: 97 @15511 has 11 MA's), (106, 15523), (115, 15541), (131, 15586), (153, 15625), (170, 15664), (186, 15697), (188, 15703), (215, 15772), (233, 15826), (235, 15829), (238, 15832), (247, 15844), (258, 15862), (260, 15868), (262, 15874), (270, 15892), (302, 15946), (307, 15958), (310, 15964), (322, 15985), (343, 16033), (352, 16051), (354, 16057), (364, 16072), (366, 16075), (431, 16228), (432, 16231), (434, 16237), (450, 16270), (459, 16288), (475, 16321), (510, 16372), (515, 16387), (523, 16423),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 126

Candidate Starts for Lysidious_19:

(Start: 126 @16311 has 6 MA's), (Start: 129 @16317 has 22 MA's), (200, 16473), (230, 16554), (261, 16611), (266, 16620), (281, 16653), (326, 16761), (356, 16845), (394, 16911), (396, 16917), (452, 17046), (483, 17088),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 84

Candidate Starts for MAckerman_17:

(48, 15811), (Start: 71 @15847 has 9 MA's), (Start: 84 @15865 has 9 MA's), (106, 15889), (120, 15919), (124, 15934), (138, 15967), (217, 16111), (298, 16267), (300, 16270), (302, 16276), (324, 16321), (335, 16348), (354, 16387), (374, 16420), (382, 16429), (390, 16456), (441, 16576), (465, 16624), (510, 16690), (512, 16696), (521, 16735),

Gene: MAnor_17 Start: 14517, Stop: 15428, Start Num: 117

Candidate Starts for MAnor_17:

(Start: 92 @14472 has 54 MA's), (117, 14517), (177, 14655), (188, 14682), (212, 14733), (213, 14736), (215, 14742), (216, 14745), (245, 14814), (262, 14859), (273, 14883), (284, 14898), (310, 14949), (354, 15045), (431, 15228), (432, 15231), (445, 15261), (448, 15270), (475, 15327), (510, 15378), (518, 15414), (520, 15420),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 28

Candidate Starts for MOOREtheMARYer_17:

(Start: 23 @15684 has 1 MA's), (Start: 28 @15720 has 209 MA's), (65, 15864), (105, 15915), (Start: 130 @15981 has 1 MA's), (131, 15984), (145, 16014), (180, 16086), (214, 16155), (216, 16161), (278, 16296), (305, 16350), (327, 16410), (373, 16518), (385, 16545), (400, 16575), (416, 16617), (460, 16719), (501, 16791), (502, 16794), (509, 16812), (521, 16860),

Gene: MScarn_19 Start: 14397, Stop: 15368, Start Num: 92

Candidate Starts for MScarn_19:

(Start: 92 @14397 has 54 MA's), (117, 14442), (124, 14463), (153, 14526), (161, 14550), (177, 14580), (212, 14658), (215, 14667), (216, 14670), (242, 14736), (262, 14784), (286, 14826), (310, 14874), (330, 14925), (354, 14985), (364, 15000), (366, 15003), (379, 15027), (405, 15099), (411, 15117), (431, 15168), (432, 15171), (445, 15201), (448, 15210), (453, 15225), (483, 15282), (514, 15330), (518, 15354), (520, 15360),

Gene: MaVan_21 Start: 15745, Stop: 16710, Start Num: 92

Candidate Starts for MaVan_21:

(Start: 92 @15745 has 54 MA's), (117, 15790), (Start: 129 @15826 has 22 MA's), (138, 15847), (153, 15874), (177, 15928), (212, 16009), (215, 16018), (216, 16021), (242, 16090), (262, 16138), (310, 16228), (316, 16243), (335, 16282), (405, 16438), (431, 16504), (432, 16507), (433, 16510), (445, 16537), (448, 16546), (459, 16570), (475, 16603), (484, 16621), (512, 16666), (518, 16696), (520, 16702),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 118

Candidate Starts for MacGully_49:

(61, 30635), (96, 30683), (Start: 118 @30719 has 2 MA's), (120, 30722), (194, 30890), (196, 30896), (240, 31013), (254, 31031), (259, 31046), (300, 31121), (327, 31181), (341, 31220), (343, 31226), (405, 31364), (428, 31424), (442, 31457), (462, 31481), (496, 31544), (510, 31577), (512, 31583),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 28

Candidate Starts for MacnCheese_22:

(Start: 28 @16685 has 209 MA's), (54, 16808), (101, 16871), (105, 16877), (116, 16898), (120, 16907), (Start: 130 @16940 has 1 MA's), (180, 17045), (188, 17066), (231, 17168), (249, 17198), (259, 17222), (271, 17243), (291, 17285), (310, 17321), (385, 17468), (400, 17498), (403, 17507), (416, 17540), (417, 17543), (418, 17546), (454, 17633), (476, 17672), (504, 17720), (519, 17777), (521, 17783), (523, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 30

Candidate Starts for Maco6_18:

(Start: 30 @14149 has 4 MA's), (35, 14197), (Start: 94 @14305 has 13 MA's), (101, 14314), (131, 14383), (136, 14395), (142, 14410), (214, 14557), (260, 14665), (300, 14740), (303, 14749), (316, 14785), (343, 14854), (366, 14896), (400, 14941), (403, 14950), (426, 15007), (476, 15112), (521, 15223),

Gene: MagicMan_18 Start: 16039, Stop: 16965, Start Num: 88

Candidate Starts for MagicMan_18:

(33, 15904), (34, 15907), (69, 16021), (Start: 88 @16039 has 13 MA's), (Start: 97 @16048 has 11 MA's), (120, 16090), (Start: 123 @16102 has 1 MA's), (220, 16324), (235, 16369), (251, 16393), (257, 16399), (260, 16408), (262, 16414), (276, 16444), (296, 16474), (310, 16504), (311, 16510), (342, 16570), (343, 16573), (354, 16597), (388, 16654), (395, 16675), (418, 16741), (450, 16810), (518, 16948),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 129

Candidate Starts for Malachai_19:

(Start: 126 @16265 has 6 MA's), (Start: 129 @16271 has 22 MA's), (200, 16427), (230, 16508), (281, 16607), (326, 16715), (356, 16799), (396, 16871), (452, 17000), (483, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 44

Candidate Starts for MalagasyRose_23:

(Start: 44 @15476 has 1 MA's), (63, 15518), (Start: 81 @15542 has 8 MA's), (109, 15581), (131, 15650), (141, 15674), (145, 15680), (162, 15719), (189, 15776), (209, 15803), (211, 15809), (218, 15830), (220, 15833), (240, 15881), (249, 15899), (259, 15923), (260, 15926), (291, 15989), (300, 16001), (303, 16010), (306, 16016), (314, 16043), (316, 16046), (332, 16091), (352, 16133), (385, 16187), (392, 16205), (429, 16307), (439, 16328), (449, 16352), (502, 16454), (509, 16472), (514, 16487), (522, 16523),

Gene: Malisha_20 Start: 17283, Stop: 18203, Start Num: 97

Candidate Starts for Malisha_20:

(Start: 94 @17280 has 13 MA's), (Start: 97 @17283 has 11 MA's), (106, 17295), (115, 17313), (131, 17358), (138, 17373), (146, 17385), (153, 17397), (170, 17436), (186, 17469), (215, 17544), (233, 17598), (235, 17601), (238, 17604), (247, 17616), (258, 17634), (260, 17640), (262, 17646), (302, 17718), (307, 17730), (310, 17736), (322, 17757), (343, 17805), (354, 17829), (364, 17844), (366, 17847), (393, 17901), (431, 18000), (432, 18003), (434, 18009), (450, 18042), (457, 18057), (459, 18060), (476, 18096), (510, 18144),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 28

Candidate Starts for Malthus_24:

(Start: 28 @17413 has 209 MA's), (32, 17431), (43, 17503), (54, 17533), (116, 17623), (Start: 130 @17665 has 1 MA's), (140, 17689), (189, 17794), (296, 18016), (300, 18022), (364, 18172), (366, 18175), (385, 18193), (400, 18223), (416, 18265), (417, 18268), (439, 18319), (509, 18460), (514, 18475), (523, 18514), (528, 18532),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 31

Candidate Starts for Marcoliusprime_18:

(Start: 31 @13889 has 29 MA's), (32, 13898), (54, 14000), (116, 14090), (Start: 130 @14132 has 1 MA's), (131, 14135), (141, 14159), (188, 14258), (218, 14321), (231, 14360), (259, 14414), (291, 14480), (300, 14492), (317, 14543), (328, 14567), (366, 14645), (385, 14663), (400, 14693), (403, 14702), (416, 14735), (417, 14738), (467, 14852), (509, 14930), (514, 14945), (523, 14984), (528, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 64

Candidate Starts for Mareelih_98:

(Start: 64 @58510 has 5 MA's), (76, 58525), (Start: 81 @58531 has 8 MA's), (86, 58537), (140, 58654), (144, 58657), (168, 58708), (185, 58744), (257, 58879), (273, 58915), (290, 58945), (401, 59197), (418, 59242), (431, 59272), (433, 59278), (445, 59305), (469, 59344), (512, 59413),

Gene: Margaret_20 Start: 14513, Stop: 15472, Start Num: 92

Candidate Starts for Margaret_20:

(46, 14438), (Start: 92 @14513 has 54 MA's), (106, 14534), (Start: 118 @14561 has 2 MA's), (120, 14564), (215, 14783), (233, 14840), (261, 14897), (262, 14900), (310, 14990), (340, 15059), (354, 15092), (420, 15251), (431, 15272), (432, 15275), (445, 15305), (448, 15314), (450, 15320), (459, 15338), (475, 15371), (479, 15380), (483, 15386), (515, 15437), (518, 15458), (520, 15464),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 104

Candidate Starts for Marietta_42:

(Start: 104 @26965 has 7 MA's), (135, 27046), (158, 27091), (189, 27160), (233, 27286), (259, 27328), (303, 27412), (327, 27463), (343, 27496), (386, 27586), (428, 27694), (436, 27712), (462, 27754), (508, 27844), (510, 27850), (516, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 28

Candidate Starts for MarkPhew_22:

(Start: 28 @15151 has 209 MA's), (54, 15268), (65, 15286), (116, 15358), (Start: 123 @15379 has 1 MA's), (141, 15427), (189, 15529), (190, 15532), (231, 15628), (282, 15727), (291, 15748), (328, 15835), (333, 15853), (366, 15916), (416, 16006), (417, 16009), (454, 16099), (514, 16216), (519, 16243), (523, 16255), (528, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Marmie_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 28

Candidate Starts for Marshawn_23:

(25, 15754), (Start: 28 @15766 has 209 MA's), (54, 15886), (116, 15976), (141, 16045), (231, 16246), (259, 16300), (291, 16366), (300, 16378), (317, 16429), (388, 16558), (400, 16582), (416, 16624), (417, 16627), (418, 16630), (439, 16678), (454, 16717), (519, 16861), (523, 16873), (528, 16891),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 87

Candidate Starts for Marvin_47:

(Start: 87 @26438 has 65 MA's), (153, 26570), (161, 26594), (165, 26603), (169, 26609), (174, 26618), (185, 26642), (188, 26651), (193, 26663), (250, 26789), (289, 26870), (300, 26885), (302, 26891), (352, 26999), (411, 27125), (413, 27131), (490, 27281), (493, 27287), (500, 27299), (501, 27302), (526, 27389), (527, 27392), (529, 27395),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 97

Candidate Starts for Maselop_44:

(Start: 97 @30439 has 11 MA's), (Start: 118 @30475 has 2 MA's), (173, 30592), (189, 30631), (196, 30649), (216, 30700), (259, 30799), (300, 30874), (303, 30883), (334, 30958), (343, 30979), (405, 31117), (416, 31153), (434, 31192), (462, 31234), (496, 31297), (510, 31330),

Gene: Mayweather_18 Start: 15087, Stop: 16043, Start Num: 92

Candidate Starts for Mayweather_18:

(Start: 92 @15087 has 54 MA's), (117, 15132), (153, 15216), (177, 15270), (188, 15297), (212, 15348), (213, 15351), (215, 15357), (216, 15360), (245, 15429), (262, 15474), (273, 15498), (310, 15564), (354, 15660), (431, 15843), (432, 15846), (445, 15876), (448, 15885), (475, 15942), (510, 15993), (518, 16029), (520, 16035),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 68

Candidate Starts for McKinley_36:

(Start: 68 @30814 has 42 MA's), (164, 31000), (170, 31012), (184, 31039), (191, 31060), (217, 31120), (260, 31207), (261, 31210), (278, 31246), (294, 31279), (302, 31294), (307, 31306), (325, 31336), (330, 31342), (354, 31402), (400, 31492), (433, 31582), (443, 31606), (448, 31618), (479, 31684), (509, 31723), (513, 31735),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 28

Candidate Starts for Mdavu_18:

(Start: 28 @15542 has 209 MA's), (54, 15665), (116, 15755), (141, 15824), (188, 15923), (189, 15926), (231, 16025), (301, 16160), (400, 16361), (416, 16403), (417, 16406), (454, 16496), (467, 16520), (514, 16613), (523, 16652), (528, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 28

Candidate Starts for MeaningOfLife_22:

(Start: 28 @15987 has 209 MA's), (54, 16104), (116, 16194), (Start: 123 @16215 has 1 MA's), (Start: 130 @16236 has 1 MA's), (141, 16263), (259, 16518), (301, 16599), (329, 16674), (333, 16689), (400, 16800), (403, 16809), (416, 16842), (454, 16935), (467, 16959), (514, 17052), (523, 17091), (528, 17109),

Gene: Megsy_23 Start: 15988, Stop: 17124, Start Num: 28

Candidate Starts for Megsy_23:

(Start: 28 @15988 has 209 MA's), (54, 16105), (116, 16195), (Start: 123 @16216 has 1 MA's), (Start: 130 @16237 has 1 MA's), (141, 16264), (259, 16519), (301, 16600), (329, 16675), (333, 16690), (400, 16801), (416, 16843), (454, 16936), (461, 16948), (467, 16960), (514, 17053), (523, 17092), (528, 17110),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 53

Candidate Starts for MelBins_33:

(Start: 53 @28300 has 22 MA's), (Start: 129 @28423 has 22 MA's), (148, 28459), (176, 28519), (225, 28615), (278, 28726), (290, 28747), (331, 28849), (345, 28885), (400, 28993), (445, 29101), (447, 29107), (455, 29122), (464, 29137), (479, 29173), (508, 29206), (509, 29209), (527, 29275),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 126

Candidate Starts for Melba_18:

(Start: 126 @15787 has 6 MA's), (Start: 129 @15793 has 22 MA's), (200, 15949), (230, 16030), (281, 16129), (326, 16237), (356, 16321), (396, 16393), (452, 16522), (466, 16549), (483, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 129

Candidate Starts for Mellie_17:

(Start: 126 @15548 has 6 MA's), (Start: 129 @15554 has 22 MA's), (200, 15710), (230, 15791), (281, 15890), (326, 15998), (356, 16082), (394, 16148), (411, 16193), (452, 16283), (483, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 78

Candidate Starts for Mendokysei_17:

(Start: 78 @15828 has 8 MA's), (101, 15855), (111, 15873), (191, 16053), (222, 16128), (266, 16221), (298, 16278), (302, 16287), (341, 16371), (419, 16548), (427, 16563), (443, 16596), (470, 16647), (491, 16689), (509, 16728), (512, 16737),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 99

Candidate Starts for MerCougar_41:

(Start: 99 @29816 has 24 MA's), (135, 29903), (156, 29939), (173, 29978), (341, 30347), (405, 30491), (462, 30608), (510, 30704), (512, 30710), (516, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 28

Candidate Starts for Mercurio_18:

(Start: 28 @15481 has 209 MA's), (65, 15628), (101, 15673), (105, 15679), (140, 15769), (178, 15847), (180, 15850), (188, 15871), (189, 15874), (214, 15925), (216, 15931), (231, 15976), (305, 16120), (314, 16150), (328, 16183), (371, 16285), (388, 16321), (400, 16345), (418, 16393), (460, 16489), (502, 16564), (514, 16597), (521, 16630), (523, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 70

Candidate Starts for Meyran_20:

(Start: 70 @18053 has 4 MA's), (73, 18059), (101, 18095), (102, 18098), (174, 18266), (181, 18281), (186, 18293), (239, 18389), (241, 18392), (248, 18401), (254, 18413), (259, 18428), (317, 18557), (398, 18677), (411, 18698), (417, 18719), (430, 18749), (474, 18839),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Miley16_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 31

Candidate Starts for Milly_18:

(Start: 31 @13889 has 29 MA's), (32, 13898), (54, 14000), (116, 14090), (Start: 130 @14132 has 1 MA's), (131, 14135), (141, 14159), (188, 14258), (218, 14321), (231, 14360), (259, 14414), (291, 14480), (300, 14492), (317, 14543), (328, 14567), (366, 14645), (385, 14663), (400, 14693), (403, 14702), (416, 14735), (417, 14738), (467, 14852), (509, 14930), (514, 14945), (523, 14984), (528, 15002),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 87

Candidate Starts for MiniLon_18:

(Start: 87 @16308 has 65 MA's), (106, 16332), (124, 16377), (Start: 129 @16392 has 22 MA's), (138, 16413), (185, 16509), (255, 16644), (258, 16653), (298, 16713), (300, 16716), (302, 16722), (335, 16794), (352, 16827), (357, 16839), (390, 16902), (411, 16953), (418, 16977), (443, 17028), (465, 17070), (521, 17181), (522, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 87

Candidate Starts for MiniMac_18:

(Start: 87 @16309 has 65 MA's), (106, 16333), (124, 16378), (Start: 129 @16393 has 22 MA's), (138, 16414), (185, 16510), (255, 16645), (258, 16654), (298, 16714), (300, 16717), (302, 16723), (335, 16795), (352, 16828), (357, 16840), (390, 16903), (411, 16954), (418, 16978), (443, 17029), (465,

17071), (521, 17182), (522, 17185),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 129

Candidate Starts for MintFen_18:

(Start: 126 @15787 has 6 MA's), (Start: 129 @15793 has 22 MA's), (200, 15949), (230, 16030), (281, 16129), (326, 16237), (356, 16321), (396, 16393), (452, 16522), (466, 16549), (483, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 31

Candidate Starts for Miryou_20:

(Start: 31 @16308 has 29 MA's), (Start: 130 @16551 has 1 MA's), (141, 16578), (188, 16677), (231, 16779), (259, 16833), (275, 16863), (291, 16899), (293, 16902), (300, 16911), (328, 16986), (329, 16989), (343, 17025), (366, 17067), (385, 17085), (388, 17091), (400, 17115), (401, 17118), (403, 17124), (416, 17157), (514, 17367), (523, 17406), (528, 17424),

Gene: Miskis_49 Start: 28475, Stop: 29356, Start Num: 60

Candidate Starts for Miskis_49:

(Start: 56 @28469 has 9 MA's), (Start: 60 @28475 has 9 MA's), (98, 28523), (116, 28550), (142, 28622), (176, 28688), (188, 28718), (251, 28826), (300, 28919), (310, 28943), (313, 28958), (366, 29054), (400, 29102), (494, 29282), (509, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 28

Candidate Starts for MissDaisy_23:

(Start: 28 @17255 has 209 MA's), (32, 17273), (43, 17345), (54, 17375), (116, 17465), (120, 17474), (Start: 130 @17507 has 1 MA's), (140, 17531), (189, 17636), (259, 17789), (296, 17858), (300, 17864), (366, 18017), (385, 18035), (400, 18065), (416, 18107), (417, 18110), (509, 18302), (514, 18317), (523, 18356), (528, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 127

Candidate Starts for MissRona_20:

(Start: 127 @16105 has 13 MA's), (Start: 137 @16120 has 1 MA's), (185, 16222), (200, 16261), (230, 16342), (272, 16426), (281, 16441), (326, 16549), (356, 16633), (394, 16699), (396, 16705), (411, 16744), (452, 16834), (483, 16876),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 28

Candidate Starts for Mitti_23:

(Start: 28 @17413 has 209 MA's), (32, 17431), (43, 17503), (54, 17533), (116, 17623), (Start: 130 @17665 has 1 MA's), (140, 17689), (189, 17794), (259, 17947), (296, 18016), (300, 18022), (366, 18175), (385, 18193), (400, 18223), (416, 18265), (417, 18268), (509, 18460), (514, 18475), (523, 18514), (528, 18532),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for MkaliMitinis3_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 82

Candidate Starts for ModicumRichard_18:

(9, 15190), (Start: 82 @15643 has 11 MA's), (102, 15670), (Start: 118 @15703 has 2 MA's), (162, 15805), (177, 15832), (187, 15856), (237, 15958), (255, 15991), (267, 16021), (296, 16057), (300, 16063), (303, 16072), (339, 16150), (352, 16180), (354, 16186), (364, 16201), (406, 16306), (434, 16372), (485, 16471), (508, 16498), (510, 16504), (518, 16540),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 56

Candidate Starts for Mollymur_30:

(36, 27171), (Start: 56 @27246 has 9 MA's), (Start: 70 @27267 has 4 MA's), (124, 27345), (142, 27393), (149, 27402), (188, 27489), (259, 27618), (300, 27690), (302, 27696), (366, 27825), (435, 27948), (444, 27969), (457, 27996),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 68

Candidate Starts for MoontowerMania_33:

(Start: 68 @29628 has 42 MA's), (164, 29814), (170, 29826), (172, 29829), (184, 29853), (191, 29874), (217, 29934), (260, 30021), (261, 30024), (278, 30060), (294, 30093), (302, 30108), (307, 30120), (325, 30150), (330, 30156), (354, 30216), (400, 30306), (433, 30396), (443, 30420), (448, 30432), (479, 30498), (509, 30537), (513, 30549), (519, 30579),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 87

Candidate Starts for Moostard_18:

(Start: 87 @16493 has 65 MA's), (106, 16517), (124, 16562), (Start: 129 @16577 has 22 MA's), (138, 16598), (185, 16694), (255, 16829), (258, 16838), (298, 16898), (300, 16901), (302, 16907), (335, 16979), (352, 17012), (390, 17087), (412, 17141), (418, 17162), (443, 17213), (465, 17255), (521, 17366), (522, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 82

Candidate Starts for Morgana_18:

(9, 15180), (Start: 82 @15633 has 11 MA's), (102, 15660), (Start: 118 @15693 has 2 MA's), (162, 15795), (177, 15822), (237, 15948), (255, 15981), (267, 16011), (296, 16047), (300, 16053), (303, 16062), (339, 16140), (354, 16176), (364, 16191), (434, 16365), (485, 16464), (508, 16491), (510, 16497),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 87

Candidate Starts for MosMoris_47:

(Start: 87 @25618 has 65 MA's), (153, 25750), (161, 25774), (165, 25783), (169, 25789), (174, 25798), (185, 25822), (188, 25831), (193, 25843), (250, 25969), (289, 26050), (300, 26065), (302, 26071), (352, 26179), (411, 26305), (413, 26311), (447, 26386), (490, 26461), (493, 26467), (500, 26479), (501, 26482), (526, 26569), (527, 26572), (529, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Mowgli_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 79

Candidate Starts for MrMagoo_31:

(Start: 79 @22001 has 19 MA's), (Start: 87 @22010 has 65 MA's), (120, 22064), (131, 22100), (134, 22103), (143, 22121), (153, 22136), (184, 22205), (185, 22208), (298, 22433), (300, 22436), (311, 22466), (354, 22553), (411, 22673), (434, 22727), (441, 22742), (457, 22775), (520, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 87

Candidate Starts for MsGreen_18:

(Start: 87 @16490 has 65 MA's), (106, 16514), (124, 16559), (Start: 129 @16574 has 22 MA's), (138, 16595), (185, 16691), (255, 16826), (258, 16835), (298, 16895), (300, 16898), (302, 16904), (335, 16976), (352, 17009), (357, 17021), (390, 17084), (412, 17138), (418, 17159), (443, 17210), (465, 17252), (521, 17363), (522, 17366),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 30

Candidate Starts for Muddy_20:

(Start: 30 @15099 has 4 MA's), (35, 15147), (Start: 94 @15255 has 13 MA's), (101, 15264), (131, 15333), (142, 15360), (214, 15507), (260, 15615), (300, 15690), (303, 15699), (316, 15735), (343, 15804), (366, 15846), (400, 15891), (403, 15900), (426, 15957), (476, 16062), (521, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 31

Candidate Starts for Mufasa_18:

(Start: 31 @13909 has 29 MA's), (32, 13918), (54, 14020), (116, 14110), (Start: 130 @14152 has 1 MA's), (141, 14179), (186, 14272), (188, 14278), (218, 14341), (231, 14380), (259, 14434), (300, 14512), (317, 14563), (328, 14587), (366, 14665), (385, 14683), (400, 14713), (416, 14755), (417, 14758), (467, 14872), (509, 14950), (514, 14965), (523, 15004), (528, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 55

Candidate Starts for Mulch_21:

(Start: 55 @16293 has 16 MA's), (91, 16338), (110, 16368), (154, 16476), (219, 16626), (232, 16674), (274, 16758), (279, 16767), (302, 16809), (377, 16986), (391, 17019), (409, 17055), (501, 17250), (522, 17322), (523, 17325),

Gene: MunkgeeRoachy_18 Start: 14812, Stop: 15783, Start Num: 92

Candidate Starts for MunkgeeRoachy_18:

(Start: 92 @14812 has 54 MA's), (117, 14857), (124, 14878), (153, 14941), (161, 14965), (177, 14995), (193, 15034), (212, 15073), (215, 15082), (216, 15085), (242, 15151), (262, 15199), (286, 15241), (310, 15289), (354, 15400), (364, 15415), (366, 15418), (372, 15436), (379, 15442), (395, 15487), (405, 15514), (411, 15532), (431, 15583), (432, 15586), (445, 15616), (448, 15625), (453, 15640), (476, 15685), (483, 15697), (514, 15745), (518, 15769), (520, 15775),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 127

Candidate Starts for Murp_18:

(Start: 127 @15861 has 13 MA's), (200, 16017), (230, 16098), (281, 16197), (326, 16305), (356, 16389), (394, 16455), (396, 16461), (452, 16590), (483, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 28

Candidate Starts for Murucutumbu_22:

(Start: 28 @15969 has 209 MA's), (54, 16086), (Start: 123 @16197 has 1 MA's), (Start: 130 @16218 has 1 MA's), (141, 16245), (189, 16347), (259, 16500), (301, 16581), (333, 16671), (400, 16782), (416, 16824), (454, 16917), (467, 16941), (514, 17034), (523, 17073), (528, 17091),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 74

Candidate Starts for Mutzi_32:

(Start: 74 @25361 has 30 MA's), (Start: 129 @25457 has 22 MA's), (161, 25526), (164, 25532), (170, 25544), (172, 25547), (177, 25556), (184, 25571), (261, 25745), (276, 25778), (278, 25781), (354, 25928), (415, 26063), (431, 26099), (448, 26141), (484, 26216), (505, 26237), (519, 26288),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 28

Candidate Starts for Mynx_22:

(Start: 28 @16034 has 209 MA's), (54, 16151), (116, 16241), (Start: 123 @16262 has 1 MA's), (Start: 130 @16283 has 1 MA's), (141, 16310), (259, 16565), (301, 16646), (329, 16721), (333, 16736), (400, 16847), (416, 16889), (454, 16982), (467, 17006), (514, 17099), (523, 17138), (528, 17156),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 55

Candidate Starts for Nadeem_21:

(Start: 55 @16293 has 16 MA's), (91, 16338), (110, 16368), (154, 16476), (219, 16626), (232, 16674), (274, 16758), (279, 16767), (302, 16809), (377, 16986), (391, 17019), (409, 17055), (501, 17250), (522, 17322), (523, 17325),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 104

Candidate Starts for NadineRae_40:

(Start: 104 @26218 has 7 MA's), (135, 26299), (158, 26344), (189, 26413), (233, 26539), (259, 26581), (303, 26665), (327, 26716), (343, 26749), (428, 26947), (436, 26965), (462, 27007), (510, 27103), (516, 27124),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 78

Candidate Starts for Nairb_18:

(Start: 78 @16018 has 8 MA's), (101, 16045), (111, 16063), (190, 16240), (191, 16243), (222, 16318), (255, 16384), (266, 16411), (298, 16468), (302, 16477), (412, 16714), (419, 16738), (470, 16837), (478, 16858), (491, 16879), (509, 16918), (512, 16927),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 55

Candidate Starts for NancyRae_21:

(Start: 55 @16299 has 16 MA's), (91, 16344), (110, 16374), (154, 16482), (219, 16632), (232, 16680), (274, 16764), (279, 16773), (302, 16815), (377, 16992), (391, 17025), (409, 17061), (501, 17256), (522, 17328), (523, 17331),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 79

Candidate Starts for Nanosmite_31:

(Start: 79 @21873 has 19 MA's), (134, 21975), (143, 21993), (153, 22008), (184, 22077), (188, 22089), (228, 22167), (252, 22215), (298, 22305), (300, 22308), (332, 22377), (352, 22419), (398, 22512), (406, 22530), (417, 22566), (434, 22599), (457, 22647), (508, 22722), (512, 22734),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 99

Candidate Starts for NatB6_40:

(Start: 99 @28930 has 24 MA's), (135, 29017), (173, 29092), (200, 29158), (216, 29200), (233, 29257), (343, 29470), (354, 29497), (405, 29608), (462, 29740), (510, 29836),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 53

Candidate Starts for Natkenzie_34:

(Start: 53 @29777 has 22 MA's), (112, 29852), (116, 29864), (Start: 129 @29900 has 22 MA's), (148, 29936), (193, 30038), (225, 30092), (259, 30164), (292, 30227), (299, 30236), (320, 30293), (331, 30326), (344, 30359), (345, 30362), (377, 30419), (418, 30515), (432, 30548), (436, 30557), (445, 30578), (464, 30605), (473, 30626), (476, 30635), (479, 30641), (508, 30674), (509, 30677), (523, 30731), (527, 30743),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 38

Candidate Starts for Nebkiss_14:

(Start: 38 @13326 has 2 MA's), (40, 13329), (Start: 94 @13422 has 13 MA's), (98, 13428), (120, 13473), (Start: 129 @13503 has 22 MA's), (140, 13530), (141, 13533), (145, 13539), (154, 13554), (156, 13557), (186, 13626), (188, 13632), (218, 13710), (245, 13767), (259, 13803), (291, 13869), (300, 13881), (336, 13983), (338, 13986), (349, 14013), (376, 14076), (416, 14157), (418, 14163), (442, 14220), (454, 14250), (463, 14265), (476, 14289), (480, 14295), (509, 14352), (528, 14424),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 37

Candidate Starts for Nergal_21:

(Start: 37 @15940 has 1 MA's), (39, 15961), (120, 16105), (Start: 129 @16135 has 22 MA's), (136, 16153), (141, 16165), (162, 16210), (189, 16267), (218, 16312), (291, 16471), (300, 16483), (306,

16498), (314, 16525), (332, 16573), (352, 16615), (373, 16645), (388, 16678), (392, 16690), (416, 16747), (431, 16783), (449, 16825), (467, 16864), (495, 16912), (502, 16927), (509, 16945), (521, 16993), (522, 16996),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Netyap_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 82

Candidate Starts for Neville_27:

(Start: 72 @22377 has 1 MA's), (Start: 82 @22392 has 11 MA's), (120, 22449), (Start: 129 @22479 has 22 MA's), (167, 22557), (185, 22593), (221, 22668), (234, 22701), (255, 22737), (296, 22818), (298, 22821), (310, 22848), (311, 22854), (329, 22881), (354, 22941), (357, 22947), (411, 23070), (412, 23073), (418, 23094), (434, 23124), (439, 23133), (457, 23172), (459, 23175), (481, 23217), (500, 23232), (502, 23238), (510, 23256), (515, 23271),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 28

Candidate Starts for Nibb_21:

(Start: 28 @15295 has 209 MA's), (54, 15412), (65, 15430), (116, 15502), (Start: 123 @15523 has 1 MA's), (141, 15571), (231, 15772), (282, 15871), (291, 15892), (328, 15979), (366, 16060), (416, 16150), (417, 16153), (454, 16243), (514, 16360), (519, 16387), (523, 16399), (528, 16417),

Gene: Nibbles_19 Start: 15745, Stop: 16710, Start Num: 92

Candidate Starts for Nibbles_19:

(Start: 92 @15745 has 54 MA's), (117, 15790), (Start: 129 @15826 has 22 MA's), (138, 15847), (153, 15874), (177, 15928), (200, 15985), (212, 16009), (215, 16018), (216, 16021), (242, 16090), (262, 16138), (310, 16228), (316, 16243), (335, 16282), (405, 16438), (431, 16504), (432, 16507), (433, 16510), (445, 16537), (448, 16546), (459, 16570), (475, 16603), (484, 16621), (512, 16666), (518, 16696), (520, 16702),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 87

Candidate Starts for Nicholas_18:

(Start: 87 @16490 has 65 MA's), (106, 16514), (124, 16559), (Start: 129 @16574 has 22 MA's), (138, 16595), (185, 16691), (255, 16826), (258, 16835), (298, 16895), (300, 16898), (302, 16904), (335, 16976), (352, 17009), (357, 17021), (390, 17084), (412, 17138), (418, 17159), (443, 17210), (465, 17252), (521, 17363), (522, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 87

Candidate Starts for Nicholasp3_17:

(Start: 87 @16079 has 65 MA's), (106, 16103), (120, 16133), (177, 16259), (217, 16331), (296, 16484), (298, 16487), (300, 16490), (311, 16520), (340, 16577), (352, 16601), (354, 16607), (390, 16676), (398, 16694), (407, 16715), (429, 16769), (434, 16781), (465, 16844), (521, 16973), (524, 16985),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 28

Candidate Starts for Nikao_18:

(Start: 28 @15554 has 209 MA's), (54, 15677), (116, 15767), (141, 15836), (188, 15935), (189, 15938), (231, 16037), (301, 16172), (400, 16373), (416, 16415), (417, 16418), (454, 16508), (467, 16532), (514, 16625), (523, 16664), (528, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 28

Candidate Starts for Niklas_22:

(Start: 28 @15378 has 209 MA's), (54, 15498), (116, 15588), (141, 15657), (188, 15756), (189, 15759), (231, 15858), (259, 15912), (301, 15993), (329, 16068), (333, 16083), (388, 16170), (400, 16194), (416, 16236), (417, 16239), (439, 16290), (454, 16329), (502, 16413), (509, 16431), (514, 16446), (523, 16485), (528, 16503),

Gene: Nina_18 Start: 15806, Stop: 16777, Start Num: 92

Candidate Starts for Nina_18:

(Start: 92 @15806 has 54 MA's), (117, 15851), (124, 15872), (153, 15935), (161, 15959), (177, 15989), (193, 16028), (212, 16067), (215, 16076), (216, 16079), (242, 16145), (262, 16193), (286, 16235), (310, 16283), (330, 16334), (354, 16394), (364, 16409), (366, 16412), (372, 16430), (379, 16436), (395, 16481), (405, 16508), (411, 16526), (431, 16577), (432, 16580), (445, 16610), (448, 16619), (453, 16634), (483, 16691), (514, 16739), (518, 16763), (520, 16769),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 30

Candidate Starts for NoShow_17:

(Start: 30 @14354 has 4 MA's), (35, 14402), (Start: 72 @14507 has 1 MA's), (98, 14531), (140, 14624), (198, 14753), (260, 14888), (291, 14954), (300, 14966), (303, 14975), (328, 15041), (352, 15101), (353, 15104), (366, 15125), (387, 15146), (400, 15170), (403, 15179), (416, 15212), (425, 15233), (495, 15371), (515, 15422), (521, 15452), (523, 15458),

Gene: Nodigi_19 Start: 14799, Stop: 15758, Start Num: 92

Candidate Starts for Nodigi_19:

(Start: 92 @14799 has 54 MA's), (106, 14820), (120, 14850), (215, 15069), (255, 15165), (262, 15186), (286, 15228), (310, 15276), (318, 15291), (340, 15345), (354, 15378), (432, 15561), (433, 15564), (445, 15591), (448, 15600), (450, 15606), (459, 15624), (475, 15657), (479, 15666), (483, 15672), (512, 15714), (515, 15723), (518, 15744), (520, 15750),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 68

Candidate Starts for Nordenberg_28:

(Start: 68 @28984 has 42 MA's), (164, 29170), (170, 29182), (184, 29209), (191, 29230), (217, 29290), (261, 29380), (278, 29416), (294, 29449), (302, 29464), (307, 29476), (325, 29506), (330, 29512), (354, 29572), (400, 29662), (433, 29752), (443, 29776), (448, 29788), (479, 29854), (509, 29893), (513, 29905),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 56

Candidate Starts for Norvs_48:

(Start: 56 @28708 has 9 MA's), (Start: 60 @28714 has 9 MA's), (98, 28762), (116, 28789), (142, 28861), (176, 28927), (188, 28957), (251, 29065), (300, 29158), (310, 29182), (313, 29197), (366, 29293), (400, 29341), (494, 29521), (509, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 100

Candidate Starts for NosilaM_43:

(Start: 100 @29537 has 6 MA's), (135, 29618), (156, 29654), (216, 29801), (327, 30035), (341, 30062), (405, 30206), (411, 30224), (462, 30323), (510, 30419), (512, 30425), (516, 30440),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 99

Candidate Starts for NovumRegina_40:

(Start: 99 @29260 has 24 MA's), (135, 29347), (173, 29422), (200, 29488), (216, 29530), (233, 29587), (343, 29800), (354, 29827), (405, 29938), (462, 30070), (510, 30166),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 74

Candidate Starts for Nubi_30:

(Start: 74 @24922 has 30 MA's), (Start: 129 @25027 has 22 MA's), (161, 25096), (164, 25102), (177, 25126), (184, 25141), (354, 25501), (364, 25516), (378, 25534), (415, 25636), (433, 25678), (448, 25714), (505, 25810), (519, 25861),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 28

Candidate Starts for Nutello_18:

(Start: 28 @15554 has 209 MA's), (54, 15677), (116, 15767), (141, 15836), (188, 15935), (189, 15938), (231, 16037), (301, 16172), (400, 16373), (416, 16415), (417, 16418), (454, 16508), (467, 16532), (514, 16625), (523, 16664), (528, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 67

Candidate Starts for Nyceirae_22:

(Start: 67 @17929 has 1 MA's), (85, 17938), (101, 17959), (102, 17962), (154, 18085), (181, 18145), (186, 18157), (239, 18253), (241, 18256), (259, 18292), (317, 18421), (398, 18541), (411, 18562), (430, 18613), (446, 18649), (474, 18703),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 49

Candidate Starts for OBUpride_21:

(Start: 49 @16309 has 21 MA's), (Start: 53 @16318 has 22 MA's), (116, 16414), (120, 16423), (122, 16432), (141, 16483), (145, 16489), (190, 16585), (198, 16603), (223, 16672), (225, 16681), (232, 16702), (236, 16708), (241, 16714), (244, 16717), (274, 16789), (276, 16792), (341, 16948), (368, 16999), (374, 17017), (402, 17089), (411, 17107), (443, 17191), (454, 17218), (456, 17221), (476, 17257), (488, 17275), (509, 17317), (514, 17332), (515, 17335), (521, 17365), (523, 17371),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 82

Candidate Starts for ObLaDi_18:

(Start: 82 @15622 has 11 MA's), (102, 15649), (Start: 118 @15682 has 2 MA's), (162, 15784), (177, 15811), (187, 15835), (255, 15970), (267, 16000), (296, 16036), (300, 16042), (303, 16051), (339, 16129), (352, 16159), (354, 16165), (364, 16180), (406, 16285), (434, 16351), (485, 16450), (508, 16477), (510, 16483), (518, 16519),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 129

Candidate Starts for Obliviate_17:

(Start: 126 @15577 has 6 MA's), (Start: 129 @15583 has 22 MA's), (200, 15739), (230, 15820), (281, 15919), (326, 16027), (356, 16111), (394, 16177), (411, 16222), (452, 16312), (483, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for OctaviousRex_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 82

Candidate Starts for Octobien14_27:

(Start: 82 @21830 has 11 MA's), (95, 21845), (167, 21995), (185, 22031), (234, 22139), (286, 22238), (296, 22256), (300, 22262), (310, 22286), (354, 22379), (410, 22505), (412, 22511), (418, 22532), (433, 22559), (459, 22613), (481, 22655), (509, 22691), (515, 22709),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 84

Candidate Starts for OhShagHennessy_17:

(48, 15776), (51, 15779), (Start: 71 @15812 has 9 MA's), (Start: 84 @15830 has 9 MA's), (106, 15854), (120, 15884), (124, 15899), (138, 15932), (217, 16076), (252, 16157), (298, 16232), (300,

16235), (302, 16241), (324, 16286), (335, 16313), (352, 16346), (354, 16352), (374, 16385), (382, 16394), (390, 16421), (441, 16541), (465, 16589), (479, 16616), (510, 16655), (512, 16661), (521, 16700),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 31

Candidate Starts for OkiRoe_20:

(Start: 31 @16324 has 29 MA's), (Start: 129 @16564 has 22 MA's), (Start: 130 @16567 has 1 MA's), (141, 16594), (188, 16693), (231, 16795), (259, 16849), (275, 16879), (291, 16915), (293, 16918), (300, 16927), (328, 17002), (329, 17005), (343, 17041), (366, 17083), (385, 17101), (388, 17107), (400, 17131), (401, 17134), (403, 17140), (416, 17173), (514, 17383), (523, 17422), (528, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Olga_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 28

Candidate Starts for OmniCritical_23:

(Start: 28 @17398 has 209 MA's), (32, 17416), (43, 17488), (54, 17518), (116, 17608), (Start: 130 @17650 has 1 MA's), (140, 17674), (189, 17779), (259, 17932), (296, 18001), (300, 18007), (366, 18160), (385, 18178), (400, 18208), (416, 18250), (417, 18253), (509, 18445), (514, 18460), (523, 18499), (528, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 31

Candidate Starts for Omnicron_20:

(Start: 31 @15090 has 29 MA's), (65, 15219), (101, 15264), (Start: 129 @15330 has 22 MA's), (Start: 130 @15333 has 1 MA's), (141, 15360), (161, 15402), (188, 15459), (231, 15561), (259, 15615), (275, 15645), (291, 15681), (300, 15693), (317, 15744), (328, 15768), (341, 15801), (366, 15849), (388, 15873), (400, 15897), (401, 15900), (416, 15939), (514, 16149), (523, 16188), (528, 16206),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 58

Candidate Starts for OneUp_41:

(18, 25920), (19, 25944), (21, 25953), (Start: 58 @26148 has 1 MA's), (98, 26196), (142, 26295), (152, 26310), (218, 26427), (269, 26538), (300, 26592), (310, 26616), (313, 26631), (364, 26724), (366, 26727), (384, 26742), (400, 26775), (482, 26940), (508, 26988), (509, 26991),

Gene: Opie_18 Start: 16062, Stop: 16988, Start Num: 88

Candidate Starts for Opie_18:

(34, 15930), (69, 16044), (Start: 88 @16062 has 13 MA's), (Start: 97 @16071 has 11 MA's), (120, 16113), (Start: 123 @16125 has 1 MA's), (220, 16347), (235, 16392), (251, 16416), (257, 16422), (260, 16431), (262, 16437), (276, 16467), (296, 16497), (310, 16527), (311, 16533), (342, 16593), (343, 16596), (354, 16620), (388, 16677), (395, 16698), (450, 16833), (518, 16971),

Gene: Orla_19 Start: 14803, Stop: 15762, Start Num: 92

Candidate Starts for Orla_19:

(46, 14728), (Start: 92 @14803 has 54 MA's), (106, 14824), (120, 14854), (215, 15073), (255, 15169), (262, 15190), (286, 15232), (310, 15280), (318, 15295), (340, 15349), (354, 15382), (432, 15565), (433, 15568), (445, 15595), (448, 15604), (450, 15610), (459, 15628), (475, 15661), (479, 15670), (483, 15676), (518, 15748), (520, 15754),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 28

Candidate Starts for Oscar_21:

(Start: 28 @15261 has 209 MA's), (54, 15378), (65, 15396), (101, 15441), (Start: 123 @15489 has 1 MA's), (141, 15537), (231, 15738), (259, 15792), (282, 15837), (291, 15858), (314, 15912), (328, 15945), (333, 15963), (366, 16026), (416, 16116), (417, 16119), (439, 16170), (454, 16209), (514, 16326), (523, 16365), (528, 16383),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 99

Candidate Starts for Outis_41:

(Start: 99 @29510 has 24 MA's), (135, 29597), (156, 29633), (173, 29672), (341, 30041), (405, 30185), (462, 30302), (510, 30398), (512, 30404), (516, 30419),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 93

Candidate Starts for P1201_46:

(Start: 93 @33556 has 8 MA's), (149, 33685), (189, 33775), (193, 33784), (201, 33802), (297, 34015), (312, 34057), (350, 34132), (359, 34150), (361, 34153), (375, 34174), (405, 34246), (416, 34279), (439, 34327),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 127

Candidate Starts for PCoral7_18:

(Start: 127 @15883 has 13 MA's), (Start: 137 @15898 has 1 MA's), (153, 15928), (160, 15949), (200, 16039), (230, 16120), (325, 16324), (326, 16327), (411, 16522), (452, 16612), (483, 16654), (508, 16702), (510, 16708),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 80

Candidate Starts for PSonyx_16:

(Start: 80 @16641 has 1 MA's), (224, 16932), (226, 16944), (237, 16968), (288, 17052), (302, 17079), (311, 17103), (329, 17127), (335, 17148), (343, 17166), (357, 17196), (408, 17283), (416, 17310), (477, 17430), (485, 17445), (512, 17484),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 23

Candidate Starts for Pace1224_17:

(6, 15304), (Start: 23 @15628 has 1 MA's), (Start: 28 @15664 has 209 MA's), (54, 15790), (105, 15850), (116, 15874), (Start: 130 @15916 has 1 MA's), (131, 15919), (145, 15949), (180, 16021), (189, 16045), (195, 16060), (198, 16066), (214, 16105), (216, 16111), (282, 16255), (289, 16273), (302, 16294), (305, 16300), (312, 16324), (327, 16360), (400, 16525), (416, 16567), (418, 16573), (502, 16744), (521, 16810),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Padfoot_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 28

Candidate Starts for Padpat_22:

(Start: 28 @16011 has 209 MA's), (54, 16128), (116, 16218), (Start: 123 @16239 has 1 MA's), (Start: 130 @16260 has 1 MA's), (141, 16287), (259, 16542), (301, 16623), (329, 16698), (333, 16713), (400, 16824), (416, 16866), (454, 16959), (467, 16983), (514, 17076), (523, 17115), (528, 17133),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 28

Candidate Starts for Paito_17:

(Start: 28 @15610 has 209 MA's), (54, 15730), (65, 15748), (105, 15799), (116, 15823), (Start: 129 @15862 has 22 MA's), (140, 15889), (178, 15967), (180, 15970), (188, 15991), (216, 16045), (249,

16120), (300, 16222), (305, 16234), (385, 16429), (400, 16459), (409, 16477), (449, 16579), (521, 16744),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 31

Candidate Starts for Paola_20:

(Start: 31 @16323 has 29 MA's), (Start: 129 @16563 has 22 MA's), (Start: 130 @16566 has 1 MA's), (141, 16593), (188, 16692), (231, 16794), (259, 16848), (275, 16878), (291, 16914), (293, 16917), (300, 16926), (328, 17001), (329, 17004), (366, 17082), (385, 17100), (388, 17106), (400, 17130), (401, 17133), (403, 17139), (416, 17172), (514, 17382), (523, 17421), (528, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 55

Candidate Starts for Parada_21:

(Start: 55 @16293 has 16 MA's), (91, 16338), (110, 16368), (154, 16476), (219, 16626), (232, 16674), (274, 16758), (279, 16767), (302, 16809), (377, 16986), (391, 17019), (409, 17055), (501, 17250), (522, 17322), (523, 17325),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 68

Candidate Starts for Paries_36:

(Start: 68 @30450 has 42 MA's), (164, 30636), (170, 30648), (184, 30675), (191, 30696), (217, 30756), (260, 30843), (261, 30846), (278, 30882), (294, 30915), (302, 30930), (307, 30942), (325, 30972), (330, 30978), (354, 31038), (400, 31128), (433, 31218), (443, 31242), (448, 31254), (479, 31320), (509, 31359), (513, 31371),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 99

Candidate Starts for Patio_43:

(Start: 99 @29772 has 24 MA's), (135, 29850), (173, 29925), (216, 30033), (254, 30117), (341, 30297), (343, 30303), (436, 30519), (462, 30558), (502, 30633), (507, 30645), (510, 30654), (516, 30675),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 28

Candidate Starts for Patt_23:

(Start: 28 @17231 has 209 MA's), (32, 17249), (43, 17321), (54, 17351), (116, 17441), (120, 17450), (Start: 130 @17483 has 1 MA's), (140, 17507), (189, 17612), (259, 17765), (296, 17834), (300, 17840), (366, 17993), (385, 18011), (400, 18041), (416, 18083), (417, 18086), (509, 18278), (514, 18293), (523, 18332), (528, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 28

Candidate Starts for Peanam_22:

(Start: 28 @15375 has 209 MA's), (54, 15495), (116, 15585), (141, 15654), (188, 15753), (189, 15756), (231, 15855), (259, 15909), (301, 15990), (329, 16065), (333, 16080), (388, 16167), (400, 16191), (416, 16233), (417, 16236), (439, 16287), (454, 16326), (502, 16410), (509, 16428), (514, 16443), (523, 16482), (528, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Peeb_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Peel_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 79

Candidate Starts for PegLeg_27:

(Start: 79 @21456 has 19 MA's), (134, 21558), (143, 21576), (153, 21591), (185, 21663), (188, 21672), (228, 21750), (296, 21885), (298, 21888), (300, 21891), (332, 21960), (352, 22002), (354, 22008), (417, 22149), (429, 22170), (434, 22182), (508, 22305), (512, 22317),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Periodt_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Periwinkle_21 Start: 15973, Stop: 16896, Start Num: 94

Candidate Starts for Periwinkle_21:

(Start: 94 @15973 has 13 MA's), (Start: 97 @15976 has 11 MA's), (106, 15988), (115, 16006), (131, 16051), (153, 16090), (170, 16129), (186, 16162), (188, 16168), (215, 16237), (233, 16291), (235, 16294), (238, 16297), (247, 16309), (260, 16333), (262, 16339), (270, 16357), (302, 16411), (307, 16423), (310, 16429), (322, 16450), (342, 16495), (343, 16498), (352, 16516), (354, 16522), (364, 16537), (366, 16540), (431, 16693), (432, 16696), (434, 16702), (450, 16735), (459, 16753), (475, 16786), (510, 16837), (515, 16852), (523, 16888),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 93

Candidate Starts for PeteyPab_32:

(Start: 93 @28461 has 8 MA's), (107, 28485), (Start: 123 @28530 has 1 MA's), (149, 28590), (166, 28629), (210, 28725), (276, 28887), (297, 28920), (341, 28995), (350, 29019), (420, 29160), (439, 29196), (459, 29223), (492, 29280),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 129

Candidate Starts for Petra_20:

(Start: 126 @16188 has 6 MA's), (Start: 129 @16194 has 22 MA's), (185, 16311), (200, 16350), (230, 16431), (281, 16530), (326, 16638), (356, 16722), (394, 16788), (396, 16794), (452, 16923), (483, 16965),

Gene: Phabuloso_19 Start: 15505, Stop: 16425, Start Num: 97

Candidate Starts for Phabuloso_19:

(Start: 94 @15502 has 13 MA's), (Start: 97 @15505 has 11 MA's), (106, 15517), (115, 15535), (131, 15580), (153, 15619), (170, 15658), (186, 15691), (188, 15697), (215, 15766), (233, 15820), (235, 15823), (238, 15826), (247, 15838), (258, 15856), (260, 15862), (262, 15868), (270, 15886), (302, 15940), (307, 15952), (310, 15958), (322, 15979), (343, 16027), (352, 16045), (354, 16051), (364, 16066), (366, 16069), (431, 16222), (432, 16225), (434, 16231), (450, 16264), (459, 16282), (475, 16315), (510, 16366), (515, 16381), (523, 16417),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 28

Candidate Starts for Pharb_21:

(Start: 28 @16291 has 209 MA's), (54, 16414), (65, 16432), (101, 16477), (105, 16483), (120, 16513), (Start: 130 @16546 has 1 MA's), (180, 16651), (188, 16672), (190, 16678), (218, 16735), (231, 16774), (249, 16804), (291, 16891), (310, 16927), (385, 17074), (400, 17104), (403, 17113), (416, 17146), (417, 17149), (418, 17152), (443, 17212), (454, 17239), (504, 17326), (519, 17383), (521,

17389), (523, 17395),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 53

Candidate Starts for Phauci_25:

(Start: 53 @24740 has 22 MA's), (Start: 129 @24863 has 22 MA's), (148, 24899), (176, 24959), (225, 25055), (278, 25166), (290, 25187), (331, 25289), (345, 25325), (445, 25541), (447, 25547), (455, 25562), (464, 25577), (479, 25613), (508, 25646), (509, 25649), (527, 25715),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 28

Candidate Starts for PhelpsODU_21:

(Start: 28 @15233 has 209 MA's), (54, 15353), (116, 15443), (141, 15512), (231, 15713), (259, 15767), (275, 15797), (333, 15938), (364, 15998), (385, 16019), (400, 16049), (416, 16091), (417, 16094), (418, 16097), (454, 16184), (467, 16208), (509, 16286), (514, 16301), (523, 16340), (528, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 52

Candidate Starts for Phendrix_86:

(Start: 52 @51239 has 2 MA's), (Start: 81 @51278 has 8 MA's), (133, 51383), (144, 51404), (168, 51455), (171, 51461), (186, 51494), (273, 51662), (290, 51692), (366, 51872), (390, 51926), (402, 51947), (417, 51986), (418, 51989), (429, 52016), (431, 52019), (433, 52025), (445, 52052), (459, 52070), (476, 52109), (510, 52154), (512, 52160), (513, 52163),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 53

Candidate Starts for Phinally_32:

(Start: 53 @28148 has 22 MA's), (Start: 129 @28271 has 22 MA's), (148, 28307), (176, 28367), (225, 28463), (278, 28574), (290, 28595), (331, 28697), (340, 28718), (345, 28733), (377, 28790), (400, 28841), (445, 28949), (447, 28955), (455, 28970), (465, 28988), (479, 29021), (508, 29054), (509, 29057), (527, 29123),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 60

Candidate Starts for PhinkBoden_47:

(Start: 60 @29095 has 9 MA's), (98, 29143), (116, 29170), (142, 29242), (176, 29308), (188, 29338), (251, 29446), (300, 29539), (310, 29563), (313, 29578), (366, 29674), (400, 29722), (494, 29902), (509, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Phish_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 70

Candidate Starts for Phishy_21:

(Start: 70 @17919 has 4 MA's), (73, 17925), (101, 17961), (102, 17964), (140, 18063), (174, 18132), (181, 18147), (186, 18159), (239, 18255), (241, 18258), (248, 18267), (254, 18279), (259, 18294), (317, 18423), (398, 18543), (411, 18564), (474, 18705),

Gene: Phistory_20 Start: 16280, Stop: 17203, Start Num: 94

Candidate Starts for Phistory_20:

(Start: 94 @16280 has 13 MA's), (Start: 97 @16283 has 11 MA's), (106, 16295), (115, 16313), (131, 16358), (153, 16397), (170, 16436), (186, 16469), (188, 16475), (215, 16544), (233, 16598), (235, 16601), (238, 16604), (247, 16616), (262, 16646), (270, 16664), (302, 16718), (307, 16730), (310,

16736), (322, 16757), (343, 16805), (352, 16823), (354, 16829), (364, 16844), (366, 16847), (431, 17000), (432, 17003), (434, 17009), (450, 17042), (459, 17060), (475, 17093), (510, 17144), (515, 17159), (523, 17195),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 74

Candidate Starts for Phlop_30:

(Start: 74 @25004 has 30 MA's), (Start: 129 @25109 has 22 MA's), (161, 25178), (164, 25184), (177, 25208), (184, 25223), (354, 25583), (364, 25598), (378, 25616), (415, 25718), (433, 25760), (448, 25796), (505, 25892), (519, 25943),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 99

Candidate Starts for Phomeo_39:

(Start: 99 @29529 has 24 MA's), (135, 29616), (173, 29691), (200, 29757), (216, 29799), (233, 29856), (343, 30069), (354, 30096), (405, 30207), (462, 30339), (510, 30435),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 28

Candidate Starts for Phrank_21:

(Start: 28 @15187 has 209 MA's), (54, 15307), (116, 15397), (141, 15466), (231, 15667), (333, 15892), (364, 15952), (385, 15973), (416, 16045), (417, 16048), (418, 16051), (454, 16138), (467, 16162), (509, 16240), (514, 16255), (523, 16294), (528, 16312),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Phreak_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 129

Candidate Starts for PhrostedPhlake_19:

(Start: 126 @16163 has 6 MA's), (Start: 129 @16169 has 22 MA's), (200, 16325), (230, 16406), (281, 16505), (326, 16613), (356, 16697), (394, 16763), (396, 16769), (452, 16898), (466, 16925), (483, 16940),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Piatt_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Pimento_21 Start: 16065, Stop: 17051, Start Num: 110

Candidate Starts for Pimento_21:

(Start: 55 @15990 has 16 MA's), (91, 16035), (110, 16065), (154, 16173), (219, 16323), (232, 16371), (274, 16455), (279, 16464), (302, 16506), (377, 16683), (409, 16752), (501, 16947), (522, 17019), (523, 17022),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 74

Candidate Starts for PinkCoffee_32:

(Start: 74 @25643 has 30 MA's), (Start: 129 @25748 has 22 MA's), (161, 25817), (164, 25823), (177, 25847), (184, 25862), (354, 26222), (364, 26237), (378, 26255), (415, 26357), (433, 26399), (448, 26435), (505, 26531), (519, 26582),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 28

Candidate Starts for PinkYoshi_17:

(6, 15135), (Start: 28 @15468 has 209 MA's), (54, 15588), (65, 15606), (101, 15651), (105, 15657), (Start: 129 @15720 has 22 MA's), (145, 15756), (178, 15825), (180, 15828), (188, 15849), (216, 15903), (231, 15948), (249, 15978), (300, 16080), (305, 16092), (310, 16104), (314, 16122), (385, 16287), (400, 16317), (409, 16335), (416, 16359), (468, 16479), (514, 16569), (521, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 28

Candidate Starts for Pinnie_18:

(Start: 28 @16180 has 209 MA's), (65, 16324), (105, 16375), (Start: 130 @16441 has 1 MA's), (131, 16444), (145, 16474), (180, 16546), (214, 16615), (216, 16621), (278, 16756), (305, 16810), (327, 16870), (373, 16978), (400, 17035), (416, 17077), (501, 17251), (502, 17254), (521, 17320),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 126

Candidate Starts for Pipp_18:

(Start: 126 @15781 has 6 MA's), (Start: 129 @15787 has 22 MA's), (Start: 137 @15802 has 1 MA's), (200, 15943), (230, 16024), (326, 16231), (356, 16315), (394, 16381), (411, 16426), (452, 16516), (466, 16543), (483, 16558),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 28

Candidate Starts for Pixie_21:

(Start: 28 @16222 has 209 MA's), (54, 16345), (101, 16408), (105, 16414), (120, 16444), (Start: 130 @16477 has 1 MA's), (180, 16582), (188, 16603), (190, 16609), (218, 16666), (231, 16705), (249, 16735), (291, 16822), (310, 16858), (317, 16885), (385, 17005), (400, 17035), (403, 17044), (416, 17077), (417, 17080), (418, 17083), (454, 17170), (504, 17257), (521, 17320), (523, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Plagueis_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 99

Candidate Starts for Pleakley_49:

(Start: 99 @29758 has 24 MA's), (135, 29839), (173, 29914), (194, 29965), (233, 30079), (341, 30286), (462, 30547), (496, 30610), (510, 30643),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 87

Candidate Starts for Poise_49:

(Start: 87 @25756 has 65 MA's), (153, 25888), (161, 25912), (165, 25921), (169, 25927), (174, 25936), (185, 25960), (188, 25969), (193, 25981), (198, 25993), (250, 26107), (289, 26188), (300, 26203), (302, 26209), (352, 26317), (411, 26443), (413, 26449), (490, 26599), (493, 26605), (500, 26617), (501, 26620), (526, 26707), (527, 26710), (529, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 28

Candidate Starts for Pokerus_21:

(Start: 28 @15968 has 209 MA's), (54, 16085), (116, 16175), (Start: 123 @16196 has 1 MA's), (Start: 130 @16217 has 1 MA's), (141, 16244), (259, 16499), (301, 16580), (329, 16655), (333, 16670), (400, 16781), (416, 16823), (454, 16916), (467, 16940), (514, 17033), (523, 17072), (528, 17090),

Gene: Polygyuki_44 Start: 30428, Stop: 31354, Start Num: 97

Candidate Starts for Polygyuki_44:

(Start: 97 @30428 has 11 MA's), (Start: 118 @30464 has 2 MA's), (173, 30581), (189, 30620), (196, 30638), (216, 30689), (259, 30788), (300, 30863), (303, 30872), (334, 30947), (343, 30968), (405, 31106), (416, 31142), (434, 31181), (462, 31223), (496, 31286), (510, 31319),

Gene: Pons_17 Start: 14462, Stop: 15418, Start Num: 92

Candidate Starts for Pons_17:

(Start: 92 @14462 has 54 MA's), (117, 14507), (153, 14591), (177, 14645), (188, 14672), (212, 14723), (213, 14726), (215, 14732), (216, 14735), (245, 14804), (262, 14849), (273, 14873), (310, 14939), (354, 15035), (431, 15218), (432, 15221), (445, 15251), (448, 15260), (475, 15317), (510, 15368), (518, 15404), (520, 15410),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 74

Candidate Starts for Portcullis_30:

(Start: 74 @24953 has 30 MA's), (Start: 129 @25058 has 22 MA's), (161, 25127), (164, 25133), (177, 25157), (184, 25172), (354, 25532), (364, 25547), (378, 25565), (415, 25667), (433, 25709), (448, 25745), (505, 25841), (519, 25892),

Gene: PotPie_18 Start: 15327, Stop: 16283, Start Num: 92

Candidate Starts for PotPie_18:

(Start: 92 @15327 has 54 MA's), (117, 15372), (138, 15429), (153, 15456), (177, 15510), (188, 15537), (212, 15588), (213, 15591), (215, 15597), (216, 15600), (233, 15654), (245, 15669), (262, 15714), (273, 15738), (284, 15753), (310, 15804), (354, 15900), (432, 16086), (445, 16116), (448, 16125), (475, 16182), (510, 16233), (518, 16269), (520, 16275),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 93

Candidate Starts for PotatoChip_33:

(Start: 93 @28463 has 8 MA's), (107, 28487), (Start: 123 @28532 has 1 MA's), (149, 28592), (166, 28631), (210, 28727), (276, 28889), (297, 28922), (341, 28997), (350, 29021), (420, 29162), (439, 29198), (459, 29225), (492, 29282),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 75

Candidate Starts for Poushou_18:

(Start: 75 @16550 has 3 MA's), (Start: 78 @16553 has 8 MA's), (124, 16637), (187, 16775), (341, 17063),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 127

Candidate Starts for PrincePatrick_18:

(Start: 127 @15957 has 13 MA's), (Start: 137 @15972 has 1 MA's), (153, 16002), (160, 16023), (200, 16113), (230, 16194), (325, 16398), (326, 16401), (411, 16596), (452, 16686), (483, 16728), (508, 16776), (510, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 87

Candidate Starts for Pringar_49:

(Start: 87 @26044 has 65 MA's), (153, 26176), (161, 26200), (165, 26209), (169, 26215), (174, 26224), (185, 26248), (188, 26257), (193, 26269), (250, 26395), (289, 26476), (300, 26491), (302, 26497), (352, 26605), (411, 26731), (413, 26737), (490, 26887), (493, 26893), (500, 26905), (501, 26908), (526, 26995), (527, 26998), (529, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 28

Candidate Starts for Prithvi_22:

(Start: 28 @15985 has 209 MA's), (54, 16102), (116, 16192), (Start: 123 @16213 has 1 MA's), (Start: 130 @16234 has 1 MA's), (141, 16261), (259, 16516), (301, 16597), (329, 16672), (333, 16687), (400, 16798), (416, 16840), (454, 16933), (467, 16957), (514, 17050), (523, 17089), (528, 17107),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 31

Candidate Starts for Psycho_20:

(Start: 31 @16299 has 29 MA's), (101, 16473), (Start: 129 @16539 has 22 MA's), (141, 16569), (188, 16668), (231, 16770), (259, 16824), (275, 16854), (291, 16890), (293, 16893), (300, 16902), (328, 16977), (329, 16980), (343, 17016), (366, 17058), (385, 17076), (388, 17082), (400, 17106), (401, 17109), (416, 17148), (460, 17250), (514, 17358), (523, 17397), (528, 17415),

Gene: PsychoKiller_17 Start: 14764, Stop: 15735, Start Num: 92

Candidate Starts for PsychoKiller_17:

(Start: 92 @14764 has 54 MA's), (117, 14809), (124, 14830), (153, 14893), (161, 14917), (177, 14947), (193, 14986), (212, 15025), (215, 15034), (216, 15037), (242, 15103), (262, 15151), (286, 15193), (310, 15241), (330, 15292), (354, 15352), (364, 15367), (366, 15370), (372, 15388), (379, 15394), (395, 15439), (405, 15466), (411, 15484), (432, 15538), (445, 15568), (448, 15577), (453, 15592), (483, 15649), (514, 15697), (518, 15721), (520, 15727),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 74

Candidate Starts for PullumCavea_30:

(Start: 74 @25004 has 30 MA's), (Start: 129 @25109 has 22 MA's), (161, 25178), (164, 25184), (177, 25208), (184, 25223), (354, 25583), (364, 25598), (378, 25616), (415, 25718), (433, 25760), (448, 25796), (505, 25892), (519, 25943),

Gene: Quasar_17 Start: 15373, Stop: 16344, Start Num: 92

Candidate Starts for Quasar_17:

(Start: 92 @15373 has 54 MA's), (117, 15418), (124, 15439), (153, 15502), (161, 15526), (177, 15556), (193, 15595), (212, 15634), (215, 15643), (216, 15646), (242, 15712), (262, 15760), (286, 15802), (310, 15850), (330, 15901), (354, 15961), (364, 15976), (366, 15979), (372, 15997), (379, 16003), (395, 16048), (405, 16075), (411, 16093), (431, 16144), (432, 16147), (445, 16177), (448, 16186), (453, 16201), (483, 16258), (514, 16306), (518, 16330), (520, 16336),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 28

Candidate Starts for QuincyRose_21:

(Start: 28 @16031 has 209 MA's), (54, 16148), (116, 16238), (Start: 123 @16259 has 1 MA's), (Start: 130 @16280 has 1 MA's), (141, 16307), (259, 16562), (301, 16643), (329, 16718), (333, 16733), (400, 16844), (416, 16886), (454, 16979), (467, 17003), (514, 17096), (523, 17135), (528, 17153),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 87

Candidate Starts for REQ3_49:

(Start: 87 @31366 has 65 MA's), (111, 31399), (116, 31411), (153, 31492), (217, 31615), (221, 31633), (237, 31669), (300, 31774), (313, 31813), (367, 31927), (369, 31930), (408, 32029), (450, 32131), (479, 32191), (518, 32266),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 72

Candidate Starts for Rabbitrun_29:

(Start: 72 @22682 has 1 MA's), (Start: 82 @22697 has 11 MA's), (120, 22754), (Start: 129 @22784 has 22 MA's), (155, 22829), (167, 22862), (185, 22898), (221, 22973), (233, 23003), (234, 23006), (255, 23042), (286, 23105), (288, 23108), (296, 23123), (310, 23153), (313, 23168), (329, 23189), (354, 23249), (357, 23255), (418, 23402), (432, 23426), (459, 23483), (500, 23540), (510, 23564), (515, 23579),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 28

Candidate Starts for Rabbs_17:

(4, 15083), (6, 15143), (Start: 28 @15479 has 209 MA's), (54, 15605), (65, 15623), (101, 15668), (105, 15674), (Start: 129 @15737 has 22 MA's), (145, 15773), (178, 15842), (180, 15845), (188, 15866), (216, 15920), (249, 15995), (300, 16097), (305, 16109), (385, 16304), (400, 16334), (409, 16352), (416, 16376), (460, 16478), (468, 16496), (514, 16586), (521, 16619),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 87

Candidate Starts for Raela_49:

(Start: 87 @26311 has 65 MA's), (153, 26443), (161, 26467), (165, 26476), (169, 26482), (174, 26491), (185, 26515), (188, 26524), (193, 26536), (250, 26662), (289, 26743), (300, 26758), (302, 26764), (352, 26872), (411, 26998), (413, 27004), (447, 27079), (490, 27154), (493, 27160), (500, 27172), (501, 27175), (526, 27262), (527, 27265), (529, 27268),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 28

Candidate Starts for Ramen_22:

(Start: 28 @16017 has 209 MA's), (54, 16134), (116, 16224), (Start: 123 @16245 has 1 MA's), (Start: 130 @16266 has 1 MA's), (141, 16293), (259, 16548), (301, 16629), (329, 16704), (333, 16719), (400, 16830), (416, 16872), (454, 16965), (467, 16989), (514, 17082), (523, 17121), (528, 17139),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 31

Candidate Starts for Rando14_20:

(Start: 31 @14989 has 29 MA's), (65, 15118), (101, 15163), (Start: 129 @15229 has 22 MA's), (Start: 130 @15232 has 1 MA's), (141, 15259), (188, 15358), (231, 15460), (259, 15514), (275, 15544), (291, 15580), (300, 15592), (317, 15643), (328, 15667), (341, 15700), (366, 15748), (388, 15772), (400, 15796), (401, 15799), (416, 15838), (514, 16048), (523, 16087), (528, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 28

Candidate Starts for Rapunzel97_22:

(Start: 28 @16018 has 209 MA's), (54, 16135), (116, 16225), (Start: 123 @16246 has 1 MA's), (Start: 130 @16267 has 1 MA's), (141, 16294), (259, 16549), (301, 16630), (329, 16705), (333, 16720), (400, 16831), (416, 16873), (454, 16966), (467, 16990), (514, 17083), (523, 17122), (528, 17140),

Gene: RayTheFireFly_18 Start: 16585, Stop: 17532, Start Num: 88

Candidate Starts for RayTheFireFly_18:

(Start: 88 @16585 has 13 MA's), (183, 16780), (215, 16861), (220, 16873), (251, 16945), (257, 16951), (262, 16966), (310, 17056), (311, 17062), (343, 17125), (354, 17149), (357, 17155), (381, 17191), (405, 17260), (418, 17302), (431, 17329), (450, 17371), (451, 17374), (457, 17386), (483, 17437), (507, 17461), (521, 17515),

Gene: RedBaron_18 Start: 14808, Stop: 15779, Start Num: 92

Candidate Starts for RedBaron_18:

(Start: 92 @14808 has 54 MA's), (117, 14853), (124, 14874), (153, 14937), (161, 14961), (177, 14991), (193, 15030), (212, 15069), (215, 15078), (216, 15081), (242, 15147), (262, 15195), (286, 15237), (310, 15285), (330, 15336), (354, 15396), (364, 15411), (366, 15414), (372, 15432), (379, 15438), (395, 15483), (405, 15510), (411, 15528), (431, 15579), (432, 15582), (445, 15612), (448, 15621), (453, 15636), (483, 15693), (514, 15741), (518, 15765), (520, 15771),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 87

Candidate Starts for RedRaider77_49:

(Start: 87 @26212 has 65 MA's), (153, 26344), (161, 26368), (165, 26377), (169, 26383), (174, 26392), (185, 26416), (188, 26425), (193, 26437), (250, 26563), (289, 26644), (300, 26659), (302, 26665), (352, 26773), (411, 26899), (413, 26905), (447, 26980), (490, 27055), (493, 27061), (500, 27073), (501, 27076), (526, 27163), (527, 27166), (529, 27169),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 77

Candidate Starts for Reindeer_25:

(Start: 77 @21276 has 1 MA's), (Start: 79 @21279 has 19 MA's), (131, 21378), (134, 21381), (143, 21399), (153, 21414), (185, 21486), (188, 21495), (228, 21573), (252, 21621), (298, 21711), (300, 21714), (307, 21732), (332, 21783), (342, 21807), (352, 21825), (354, 21831), (406, 21936), (417, 21972), (429, 21993), (483, 22101), (508, 22128), (512, 22140),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 45

Candidate Starts for Rem711_24:

(3, 17356), (11, 17629), (42, 17917), (Start: 45 @17926 has 1 MA's), (Start: 64 @17965 has 5 MA's), (191, 18217), (236, 18337), (295, 18451), (304, 18469), (315, 18499), (319, 18511), (392, 18691), (402, 18718), (527, 19018),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Remy19_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Renaissance_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 28

Candidate Starts for Reptar3000_23:

(Start: 28 @17233 has 209 MA's), (32, 17251), (43, 17323), (54, 17353), (116, 17443), (120, 17452), (Start: 130 @17485 has 1 MA's), (140, 17509), (189, 17614), (259, 17767), (296, 17836), (300, 17842), (366, 17995), (385, 18013), (400, 18043), (416, 18085), (417, 18088), (514, 18295), (523, 18334), (528, 18352),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 79

Candidate Starts for Rey_31:

(Start: 79 @22233 has 19 MA's), (Start: 87 @22242 has 65 MA's), (120, 22296), (134, 22335), (143, 22353), (153, 22368), (184, 22437), (298, 22665), (300, 22668), (352, 22779), (354, 22785), (417, 22926), (433, 22956), (457, 23007), (520, 23130),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 68

Candidate Starts for Ribeye_34:

(Start: 68 @29836 has 42 MA's), (143, 29977), (153, 29992), (164, 30022), (170, 30034), (177, 30046), (184, 30061), (188, 30073), (198, 30100), (210, 30115), (217, 30142), (261, 30232), (278, 30268), (307, 30328), (330, 30364), (354, 30424), (400, 30514), (433, 30604), (443, 30628), (448, 30640), (479, 30706), (489, 30721), (509, 30745),

Gene: RiverRaider_35 Start: 28121, Stop: 29080, Start Num: 68

Candidate Starts for RiverRaider_35:

(Start: 68 @28121 has 42 MA's), (143, 28265), (153, 28280), (164, 28310), (170, 28322), (184, 28349), (188, 28361), (191, 28370), (217, 28430), (261, 28520), (278, 28556), (302, 28604), (307, 28616), (322, 28640), (325, 28646), (354, 28712), (400, 28802), (433, 28892), (443, 28916), (448, 28928), (450, 28934), (462, 28958), (513, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 53

Candidate Starts for RoadKill_29:

(Start: 53 @26072 has 22 MA's), (65, 26084), (86, 26111), (116, 26159), (136, 26213), (176, 26291), (225, 26387), (243, 26420), (259, 26459), (320, 26588), (331, 26621), (345, 26657), (432, 26843), (445, 26873), (464, 26900), (479, 26936), (508, 26969), (520, 27017), (527, 27038),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 68

Candidate Starts for Rofo_34:

(Start: 68 @29848 has 42 MA's), (164, 30034), (170, 30046), (184, 30073), (191, 30094), (217, 30154), (260, 30241), (261, 30244), (278, 30280), (294, 30313), (302, 30328), (307, 30340), (325, 30370), (330, 30376), (354, 30436), (400, 30526), (433, 30616), (443, 30640), (448, 30652), (479, 30718), (509, 30757), (513, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 74

Candidate Starts for RogerDodger_33:

(Start: 74 @25794 has 30 MA's), (Start: 129 @25890 has 22 MA's), (161, 25959), (164, 25965), (177, 25989), (184, 26004), (278, 26214), (324, 26292), (343, 26337), (354, 26361), (382, 26400), (415, 26496), (433, 26538), (448, 26574), (484, 26649), (505, 26670), (519, 26721),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 78

Candidate Starts for RonRayGun_18:

(Start: 78 @16018 has 8 MA's), (101, 16045), (111, 16063), (190, 16240), (191, 16243), (222, 16318), (255, 16384), (266, 16411), (298, 16468), (302, 16477), (412, 16714), (419, 16738), (470, 16837), (478, 16858), (491, 16879), (509, 16918), (512, 16927),

Gene: Ronaldo_55 Start: 27945, Stop: 28892, Start Num: 81

Candidate Starts for Ronaldo_55:

(Start: 81 @27945 has 8 MA's), (Start: 83 @27948 has 5 MA's), (143, 28068), (188, 28164), (228, 28266), (261, 28332), (270, 28353), (273, 28359), (300, 28410), (310, 28434), (354, 28527), (382, 28566), (420, 28677), (423, 28683), (426, 28692), (431, 28698), (445, 28731), (448, 28740), (451, 28749), (459, 28764), (507, 28839), (511, 28851), (515, 28863), (518, 28884),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 84

Candidate Starts for Rose5_17:

(48, 15811), (Start: 71 @15847 has 9 MA's), (Start: 84 @15865 has 9 MA's), (106, 15889), (120, 15919), (124, 15934), (138, 15967), (217, 16111), (298, 16267), (300, 16270), (302, 16276), (324, 16321), (335, 16348), (354, 16387), (374, 16420), (382, 16429), (390, 16456), (441, 16576), (465, 16624), (510, 16690), (512, 16696), (521, 16735),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 28

Candidate Starts for Rosmarinus_22:

(Start: 28 @16039 has 209 MA's), (54, 16156), (116, 16246), (Start: 123 @16267 has 1 MA's), (Start: 130 @16288 has 1 MA's), (141, 16315), (259, 16570), (301, 16651), (329, 16726), (333, 16741), (400, 16852), (416, 16894), (454, 16987), (467, 17011), (514, 17104), (523, 17143), (528, 17161),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 87

Candidate Starts for Rumpelstiltskin_17:

(Start: 87 @16080 has 65 MA's), (106, 16104), (120, 16134), (177, 16260), (217, 16332), (296, 16485), (298, 16488), (300, 16491), (311, 16521), (340, 16578), (352, 16602), (354, 16608), (390, 16677), (398, 16695), (407, 16716), (434, 16782), (465, 16845), (521, 16974), (524, 16986),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 28

Candidate Starts for Ruthiejr_22:

(Start: 28 @17121 has 209 MA's), (43, 17211), (54, 17241), (116, 17331), (Start: 130 @17373 has 1 MA's), (131, 17376), (136, 17388), (296, 17724), (300, 17730), (328, 17805), (366, 17883), (384, 17898), (400, 17931), (416, 17973), (417, 17976), (456, 18069), (514, 18183), (523, 18222), (528, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 55

Candidate Starts for Ruthy_18:

(Start: 55 @15266 has 16 MA's), (116, 15359), (Start: 130 @15401 has 1 MA's), (154, 15449), (189, 15527), (223, 15617), (229, 15641), (232, 15647), (268, 15719), (273, 15728), (274, 15731), (279, 15740), (302, 15782), (341, 15881), (374, 15950), (454, 16145), (501, 16223), (514, 16259), (522, 16295), (523, 16298),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 74

Candidate Starts for Salvador_30:

(Start: 74 @24918 has 30 MA's), (Start: 129 @25023 has 22 MA's), (161, 25092), (164, 25098), (177, 25122), (184, 25137), (354, 25497), (364, 25512), (378, 25530), (415, 25632), (433, 25674), (448, 25710), (484, 25785), (505, 25806), (519, 25857),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 28

Candidate Starts for SamScheppers_21:

(Start: 28 @17028 has 209 MA's), (32, 17046), (43, 17118), (54, 17148), (116, 17238), (Start: 130 @17280 has 1 MA's), (140, 17304), (189, 17409), (259, 17562), (296, 17631), (300, 17637), (366, 17790), (385, 17808), (400, 17838), (416, 17880), (417, 17883), (509, 18075), (514, 18090), (523, 18129), (528, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 127

Candidate Starts for Samba_18:

(Start: 127 @15871 has 13 MA's), (200, 16027), (230, 16108), (261, 16165), (266, 16174), (281, 16207), (326, 16315), (356, 16399), (394, 16465), (396, 16471), (452, 16600), (483, 16642),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 53

Candidate Starts for Sampson_34:

(Start: 53 @29722 has 22 MA's), (112, 29797), (116, 29809), (Start: 129 @29845 has 22 MA's), (148, 29881), (193, 29983), (225, 30037), (259, 30109), (292, 30172), (299, 30181), (320, 30238), (331, 30271), (344, 30304), (345, 30307), (377, 30364), (418, 30460), (432, 30493), (436, 30502), (445, 30523), (464, 30550), (473, 30571), (476, 30580), (479, 30586), (508, 30619), (509, 30622), (523, 30676), (527, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 87

Candidate Starts for Samty_18:

(Start: 87 @16493 has 65 MA's), (106, 16517), (124, 16562), (Start: 129 @16577 has 22 MA's), (138, 16598), (185, 16694), (255, 16829), (258, 16838), (298, 16898), (300, 16901), (302, 16907), (335, 16979), (352, 17012), (390, 17087), (412, 17141), (418, 17162), (443, 17213), (465, 17255), (521, 17366), (522, 17369),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 28

Candidate Starts for SamuelLPlaqson_22:

(Start: 28 @15965 has 209 MA's), (54, 16082), (116, 16172), (Start: 123 @16193 has 1 MA's), (Start: 130 @16214 has 1 MA's), (141, 16241), (231, 16442), (259, 16496), (264, 16502), (301, 16577), (329, 16652), (333, 16667), (416, 16820), (454, 16913), (467, 16937), (514, 17030), (523, 17069), (528, 17087),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 68

Candidate Starts for Sanjuju_32:

(Start: 68 @30017 has 42 MA's), (164, 30203), (170, 30215), (184, 30242), (191, 30263), (217, 30323), (260, 30410), (261, 30413), (278, 30449), (294, 30482), (302, 30497), (307, 30509), (325, 30539), (330, 30545), (354, 30605), (400, 30695), (433, 30785), (443, 30809), (448, 30821), (479, 30887), (513, 30938),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 128

Candidate Starts for Sapo_15:

(Start: 128 @13755 has 1 MA's), (147, 13791), (163, 13827), (237, 13995), (240, 13998), (294, 14118), (309, 14148), (326, 14196), (327, 14199), (328, 14202), (334, 14226), (360, 14286), (404, 14373), (496, 14553),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 68

Candidate Starts for Saronaya_33:

(Start: 68 @28679 has 42 MA's), (143, 28820), (164, 28865), (170, 28877), (177, 28889), (184, 28904), (188, 28916), (198, 28943), (210, 28958), (217, 28985), (261, 29075), (278, 29111), (307, 29171), (330, 29207), (354, 29267), (400, 29357), (433, 29447), (443, 29471), (448, 29483), (479, 29549), (489, 29564), (509, 29588), (513, 29600),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 74

Candidate Starts for Savbucketdawg_30:

(Start: 74 @24699 has 30 MA's), (Start: 129 @24804 has 22 MA's), (161, 24873), (164, 24879), (177, 24903), (184, 24918), (354, 25278), (364, 25293), (378, 25311), (415, 25413), (433, 25455), (448, 25491), (505, 25587), (519, 25638),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 28

Candidate Starts for Scarlett_21:

(Start: 28 @15263 has 209 MA's), (54, 15380), (65, 15398), (Start: 123 @15491 has 1 MA's), (141, 15539), (231, 15740), (259, 15794), (282, 15839), (291, 15860), (314, 15914), (328, 15947), (333, 15965), (416, 16118), (417, 16121), (439, 16172), (454, 16211), (514, 16328), (523, 16367), (528, 16385),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Schiebel_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Schmidt_19 Start: 13858, Stop: 14700, Start Num: 92

Candidate Starts for Schmidt_19:

(Start: 89 @13855 has 6 MA's), (Start: 92 @13858 has 54 MA's), (103, 13873), (108, 13879), (Start: 129 @13939 has 22 MA's), (Start: 130 @13942 has 1 MA's), (184, 14056), (188, 14068), (190, 14074), (205, 14101), (264, 14221), (289, 14272), (301, 14290), (324, 14350), (343, 14377), (360, 14410), (431, 14533), (468, 14614), (493, 14659), (497, 14668),

Gene: Schnabeltier_18 Start: 16103, Stop: 16966, Start Num: 123

Candidate Starts for Schnabeltier_18:

(33, 15905), (34, 15908), (69, 16022), (Start: 88 @16040 has 13 MA's), (Start: 97 @16049 has 11 MA's), (120, 16091), (Start: 123 @16103 has 1 MA's), (220, 16325), (235, 16370), (251, 16394), (257, 16400), (260, 16409), (262, 16415), (276, 16445), (296, 16475), (310, 16505), (311, 16511), (342, 16571), (343, 16574), (354, 16598), (388, 16655), (395, 16676), (418, 16742), (450, 16811), (518,

16949),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 68

Candidate Starts for SchottB_32:

(Start: 68 @29694 has 42 MA's), (164, 29880), (170, 29892), (177, 29904), (184, 29919), (188, 29931), (198, 29958), (210, 29973), (217, 30000), (261, 30090), (278, 30126), (307, 30186), (322, 30210), (330, 30222), (354, 30282), (400, 30372), (443, 30486), (448, 30498), (479, 30564), (489, 30579), (509, 30603), (513, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 53

Candidate Starts for Scioto_34:

(Start: 53 @29777 has 22 MA's), (112, 29852), (116, 29864), (Start: 129 @29900 has 22 MA's), (148, 29936), (193, 30038), (225, 30092), (259, 30164), (292, 30227), (299, 30236), (320, 30293), (331, 30326), (344, 30359), (345, 30362), (377, 30419), (418, 30515), (432, 30548), (436, 30557), (445, 30578), (464, 30605), (473, 30626), (476, 30635), (479, 30641), (508, 30674), (509, 30677), (523, 30731), (527, 30743),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 68

Candidate Starts for Sedona_34:

(Start: 68 @30954 has 42 MA's), (164, 31140), (170, 31152), (184, 31179), (261, 31350), (278, 31386), (294, 31419), (302, 31434), (307, 31446), (325, 31476), (330, 31482), (354, 31542), (400, 31632), (433, 31722), (443, 31746), (448, 31758), (479, 31824), (489, 31839), (509, 31863), (513, 31875),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 82

Candidate Starts for Sephiroth_27:

(Start: 82 @21043 has 11 MA's), (95, 21058), (233, 21349), (286, 21451), (296, 21469), (300, 21475), (352, 21586), (354, 21592), (381, 21640), (410, 21718), (411, 21721), (412, 21724), (433, 21772), (459, 21826), (481, 21868), (509, 21904), (510, 21907), (515, 21922),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 28

Candidate Starts for SgtBeansprout_18:

(Start: 28 @15554 has 209 MA's), (54, 15677), (116, 15767), (141, 15836), (188, 15935), (189, 15938), (231, 16037), (301, 16172), (400, 16373), (416, 16415), (417, 16418), (454, 16508), (467, 16532), (514, 16625), (523, 16664), (528, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for ShaboiShabazz_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 28

Candidate Starts for Shadow1_20:

(Start: 28 @15075 has 209 MA's), (54, 15195), (116, 15285), (141, 15354), (231, 15555), (301, 15690), (302, 15693), (328, 15762), (333, 15780), (364, 15840), (385, 15861), (400, 15891), (416, 15933), (417, 15936), (418, 15939), (454, 16026), (467, 16050), (509, 16128), (514, 16143), (523, 16182), (528, 16200),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 28

Candidate Starts for Shaobing_22:

(Start: 28 @15375 has 209 MA's), (54, 15495), (116, 15585), (141, 15654), (188, 15753), (189, 15756), (231, 15855), (259, 15909), (301, 15990), (329, 16065), (333, 16080), (388, 16167), (400, 16191), (416, 16233), (417, 16236), (439, 16287), (454, 16326), (502, 16410), (509, 16428), (514, 16443), (523, 16482), (528, 16500),

Gene: SheckWes_16 Start: 14462, Stop: 15418, Start Num: 92

Candidate Starts for SheckWes_16:

(Start: 92 @14462 has 54 MA's), (117, 14507), (153, 14591), (177, 14645), (188, 14672), (212, 14723), (213, 14726), (215, 14732), (216, 14735), (233, 14789), (245, 14804), (262, 14849), (273, 14873), (284, 14888), (310, 14939), (354, 15035), (431, 15218), (432, 15221), (445, 15251), (448, 15260), (475, 15317), (510, 15368), (518, 15404), (520, 15410),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 28

Candidate Starts for ShedlockHolmes_21:

(Start: 28 @16440 has 209 MA's), (54, 16563), (101, 16626), (105, 16632), (120, 16662), (180, 16800), (188, 16821), (190, 16827), (218, 16884), (231, 16923), (249, 16953), (291, 17040), (310, 17076), (385, 17223), (400, 17253), (403, 17262), (416, 17295), (417, 17298), (418, 17301), (454, 17388), (504, 17475), (521, 17538), (523, 17544),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for ShiaSurprise_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 74

Candidate Starts for Shinji_30:

(Start: 74 @24894 has 30 MA's), (Start: 129 @24999 has 22 MA's), (161, 25068), (164, 25074), (177, 25098), (184, 25113), (354, 25473), (364, 25488), (378, 25506), (415, 25608), (433, 25650), (448, 25686), (505, 25782), (519, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 68

Candidate Starts for Shivanishola_35:

(Start: 68 @29916 has 42 MA's), (164, 30102), (170, 30114), (184, 30141), (261, 30312), (278, 30348), (294, 30381), (302, 30396), (307, 30408), (325, 30438), (330, 30444), (354, 30504), (400, 30594), (433, 30684), (443, 30708), (448, 30720), (479, 30786), (489, 30801), (509, 30825), (513, 30837),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 84

Candidate Starts for Silverleaf_17:

(48, 15811), (Start: 71 @15847 has 9 MA's), (Start: 84 @15865 has 9 MA's), (106, 15889), (120, 15919), (124, 15934), (138, 15967), (217, 16111), (298, 16267), (300, 16270), (302, 16276), (324, 16321), (335, 16348), (354, 16387), (374, 16420), (382, 16429), (390, 16456), (441, 16576), (465, 16624), (510, 16690), (512, 16696), (521, 16735),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 28

Candidate Starts for SirPhilip_21:

(Start: 28 @14868 has 209 MA's), (54, 14985), (Start: 123 @15096 has 1 MA's), (141, 15144), (189, 15246), (190, 15249), (231, 15345), (259, 15399), (291, 15462), (300, 15474), (328, 15549), (333, 15567), (366, 15630), (388, 15654), (401, 15681), (416, 15720), (417, 15723), (454, 15813), (504, 15900), (514, 15930), (519, 15957), (523, 15969), (528, 15987),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 68

Candidate Starts for Sitar_34:

(Start: 68 @31006 has 42 MA's), (164, 31192), (170, 31204), (184, 31231), (191, 31252), (217, 31312), (260, 31399), (261, 31402), (278, 31438), (294, 31471), (302, 31486), (307, 31498), (325, 31528), (330, 31534), (354, 31594), (400, 31684), (433, 31774), (443, 31798), (448, 31810), (479, 31876), (513, 31927), (519, 31957),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 64

Candidate Starts for Sixama_98:

(Start: 64 @58478 has 5 MA's), (76, 58493), (86, 58505), (131, 58601), (133, 58604), (144, 58625), (273, 58883), (290, 58913), (302, 58931), (306, 58940), (383, 59126), (402, 59168), (431, 59240), (432, 59243), (433, 59246), (445, 59273), (459, 59291), (469, 59312), (479, 59336), (512, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 28

Candidate Starts for Sizemore_17:

(6, 15145), (Start: 28 @15478 has 209 MA's), (54, 15598), (65, 15616), (101, 15661), (105, 15667), (Start: 129 @15730 has 22 MA's), (145, 15766), (178, 15835), (180, 15838), (188, 15859), (216, 15913), (231, 15958), (249, 15988), (300, 16090), (305, 16102), (310, 16114), (314, 16132), (385, 16297), (400, 16327), (409, 16345), (416, 16369), (468, 16489), (514, 16579), (521, 16612),

Gene: SketchMex_16 Start: 14412, Stop: 15383, Start Num: 92

Candidate Starts for SketchMex_16:

(Start: 92 @14412 has 54 MA's), (117, 14457), (124, 14478), (153, 14541), (161, 14565), (177, 14595), (212, 14673), (215, 14682), (216, 14685), (242, 14751), (262, 14799), (286, 14841), (302, 14871), (310, 14889), (330, 14940), (354, 15000), (364, 15015), (366, 15018), (379, 15042), (405, 15114), (411, 15132), (431, 15183), (432, 15186), (445, 15216), (448, 15225), (453, 15240), (483, 15297), (514, 15345), (518, 15369), (520, 15375),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 79

Candidate Starts for Skinny_28:

(Start: 79 @21457 has 19 MA's), (134, 21559), (143, 21577), (153, 21592), (185, 21664), (188, 21673), (228, 21751), (296, 21886), (298, 21889), (300, 21892), (332, 21961), (352, 22003), (354, 22009), (417, 22150), (429, 22171), (434, 22183), (508, 22306), (512, 22318),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 99

Candidate Starts for Skysand_42:

(Start: 99 @29992 has 24 MA's), (135, 30070), (173, 30145), (216, 30253), (254, 30337), (341, 30517), (343, 30523), (436, 30739), (462, 30778), (502, 30853), (507, 30865), (510, 30874), (516, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 28

Candidate Starts for Slarp_23:

(Start: 28 @17500 has 209 MA's), (32, 17518), (43, 17590), (54, 17620), (116, 17710), (Start: 130 @17752 has 1 MA's), (140, 17776), (189, 17881), (259, 18034), (296, 18103), (300, 18109), (366, 18262), (385, 18280), (400, 18310), (416, 18352), (417, 18355), (514, 18562), (523, 18601), (528, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 150

Candidate Starts for Sleepyhead_17:

(Start: 81 @14705 has 8 MA's), (Start: 89 @14714 has 6 MA's), (Start: 150 @14846 has 1 MA's), (172, 14897), (175, 14903), (179, 14912), (206, 14972), (340, 15296), (344, 15308), (348, 15320), (351, 15326), (370, 15359), (380, 15380), (397, 15428), (421, 15494), (422, 15497), (424, 15503), (459, 15581), (466, 15596), (512, 15689),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 79

Candidate Starts for SlimJimmy_26:

(Start: 79 @21443 has 19 MA's), (134, 21545), (143, 21563), (153, 21578), (185, 21650), (188, 21659), (228, 21737), (296, 21872), (298, 21875), (300, 21878), (332, 21947), (352, 21989), (354, 21995), (417, 22136), (429, 22157), (434, 22169), (508, 22292), (512, 22304),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 28

Candidate Starts for Slimphazie_22:

(Start: 28 @16018 has 209 MA's), (54, 16135), (116, 16225), (Start: 123 @16246 has 1 MA's), (Start: 130 @16267 has 1 MA's), (141, 16294), (259, 16549), (301, 16630), (329, 16705), (333, 16720), (400, 16831), (416, 16873), (454, 16966), (467, 16990), (514, 17083), (523, 17122), (528, 17140),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 74

Candidate Starts for SmokingBunny_30:

(Start: 74 @24909 has 30 MA's), (Start: 129 @25014 has 22 MA's), (161, 25083), (164, 25089), (177, 25113), (184, 25128), (354, 25488), (364, 25503), (378, 25521), (415, 25623), (433, 25665), (448, 25701), (505, 25797), (519, 25848),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 56

Candidate Starts for Smoothie_48:

(Start: 56 @28706 has 9 MA's), (Start: 60 @28712 has 9 MA's), (98, 28760), (116, 28787), (142, 28859), (176, 28925), (188, 28955), (251, 29063), (300, 29156), (310, 29180), (313, 29195), (366, 29291), (400, 29339), (494, 29519), (509, 29555),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 28

Candidate Starts for Sneeze_17:

(4, 15082), (6, 15142), (Start: 28 @15478 has 209 MA's), (54, 15604), (65, 15622), (101, 15667), (105, 15673), (Start: 129 @15736 has 22 MA's), (145, 15772), (178, 15841), (180, 15844), (188, 15865), (216, 15919), (249, 15994), (300, 16096), (305, 16108), (385, 16303), (400, 16333), (409, 16351), (416, 16375), (460, 16477), (468, 16495), (514, 16585), (521, 16618),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 87

Candidate Starts for Snenia_18:

(Start: 87 @16491 has 65 MA's), (106, 16515), (124, 16560), (Start: 129 @16575 has 22 MA's), (138, 16596), (185, 16692), (255, 16827), (258, 16836), (298, 16896), (300, 16899), (302, 16905), (335, 16977), (352, 17010), (357, 17022), (390, 17085), (412, 17139), (418, 17160), (443, 17211), (465, 17253), (521, 17364), (522, 17367),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 31

Candidate Starts for SoSeph_20:

(Start: 31 @16471 has 29 MA's), (101, 16645), (Start: 129 @16711 has 22 MA's), (Start: 130 @16714 has 1 MA's), (141, 16741), (188, 16840), (231, 16942), (259, 16996), (275, 17026), (291, 17062), (293, 17065), (300, 17074), (328, 17149), (329, 17152), (343, 17188), (366, 17230), (385, 17248), (388, 17254), (400, 17278), (401, 17281), (403, 17287), (416, 17320), (514, 17530), (523, 17569), (528, 17587),

Gene: Sopespian_17 Start: 14765, Stop: 15736, Start Num: 92

Candidate Starts for Sopespian_17:

(Start: 92 @14765 has 54 MA's), (117, 14810), (124, 14831), (153, 14894), (161, 14918), (177, 14948), (193, 14987), (212, 15026), (215, 15035), (216, 15038), (242, 15104), (262, 15152), (286, 15194), (310, 15242), (330, 15293), (354, 15353), (364, 15368), (366, 15371), (372, 15389), (379, 15395), (395, 15440), (405, 15467), (411, 15485), (432, 15539), (445, 15569), (448, 15578), (453, 15593), (483, 15650), (514, 15698), (518, 15722), (520, 15728),

Gene: Soul22_18 Start: 12811, Stop: 13740, Start Num: 81

Candidate Starts for Soul22_18:

(Start: 81 @12811 has 8 MA's), (120, 12871), (138, 12922), (186, 13021), (188, 13027), (194, 13042), (247, 13162), (258, 13180), (291, 13246), (300, 13258), (321, 13303), (341, 13342), (343, 13348), (354, 13372), (355, 13375), (357, 13378), (398, 13456), (405, 13477), (406, 13480), (418, 13516), (431, 13543), (432, 13546), (450, 13585), (459, 13603), (462, 13609), (479, 13645), (505, 13675), (508, 13681), (510, 13687),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 62

Candidate Starts for Sparky_15:

(Start: 62 @15127 has 1 MA's), (66, 15136), (90, 15166), (125, 15235), (132, 15256), (188, 15376), (191, 15385), (222, 15472), (255, 15538), (300, 15625), (302, 15631), (341, 15715), (352, 15739), (353, 15742), (443, 15940), (450, 15952), (470, 15991), (491, 16018), (498, 16033), (525, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 56

Candidate Starts for SpeedDemon_310:

(Start: 56 @28038 has 9 MA's), (Start: 70 @28059 has 4 MA's), (116, 28113), (142, 28185), (149, 28194), (217, 28314), (237, 28365), (245, 28374), (259, 28410), (300, 28482), (302, 28488), (366, 28617), (400, 28665), (435, 28740), (457, 28788),

Gene: Splinter_21 Start: 15645, Stop: 16475, Start Num: 92

Candidate Starts for Splinter_21:

(Start: 89 @15642 has 6 MA's), (Start: 92 @15645 has 54 MA's), (108, 15660), (122, 15699), (Start: 129 @15720 has 22 MA's), (Start: 130 @15723 has 1 MA's), (195, 15867), (289, 16053), (318, 16122), (389, 16224), (429, 16305), (431, 16308), (468, 16389), (471, 16395), (476, 16407), (478, 16410), (493, 16434),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Spock_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Spooky_19 Start: 15489, Stop: 16412, Start Num: 94

Candidate Starts for Spooky_19:

(Start: 94 @15489 has 13 MA's), (Start: 97 @15492 has 11 MA's), (106, 15504), (115, 15522), (131, 15567), (138, 15582), (146, 15594), (153, 15606), (170, 15645), (186, 15678), (215, 15753), (233, 15807), (238, 15813), (260, 15849), (262, 15855), (302, 15927), (307, 15939), (310, 15945), (340, 16005), (343, 16014), (354, 16038), (364, 16053), (366, 16056), (393, 16110), (431, 16209), (432, 16212), (434, 16218), (450, 16251), (457, 16266), (459, 16269), (476, 16305),

Gene: Squiddly_21 Start: 16901, Stop: 17824, Start Num: 94

Candidate Starts for Squiddly_21:

(Start: 94 @16901 has 13 MA's), (Start: 97 @16904 has 11 MA's), (106, 16916), (115, 16934), (131, 16979), (138, 16994), (146, 17006), (153, 17018), (170, 17057), (186, 17090), (215, 17165), (233, 17219), (235, 17222), (238, 17225), (247, 17237), (258, 17255), (260, 17261), (262, 17267), (302, 17339), (307, 17351), (310, 17357), (322, 17378), (343, 17426), (354, 17450), (364, 17465), (366, 17468), (431, 17621), (432, 17624), (434, 17630), (450, 17663), (457, 17678), (459, 17681), (476, 17717), (510, 17765),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 99

Candidate Starts for StarStruck_41:

(Start: 99 @29510 has 24 MA's), (135, 29597), (156, 29633), (173, 29672), (341, 30041), (405, 30185), (462, 30302), (510, 30398), (512, 30404), (516, 30419),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 28

Candidate Starts for Stargaze_17:

(Start: 28 @15800 has 209 MA's), (65, 15944), (105, 15995), (Start: 130 @16061 has 1 MA's), (131, 16064), (178, 16163), (180, 16166), (189, 16190), (214, 16235), (216, 16241), (305, 16430), (327, 16490), (373, 16598), (378, 16610), (400, 16655), (416, 16697), (501, 16871), (502, 16874), (509, 16892), (519, 16934), (521, 16940),

Gene: SteamedHams_19 Start: 14430, Stop: 15401, Start Num: 92

Candidate Starts for SteamedHams_19:

(Start: 92 @14430 has 54 MA's), (117, 14475), (124, 14496), (Start: 129 @14511 has 22 MA's), (138, 14532), (161, 14583), (177, 14613), (188, 14640), (212, 14691), (215, 14700), (216, 14703), (233, 14757), (242, 14769), (262, 14817), (310, 14907), (330, 14958), (341, 14988), (354, 15018), (366, 15036), (405, 15132), (411, 15150), (431, 15201), (432, 15204), (445, 15234), (448, 15243), (453, 15258), (483, 15315), (514, 15363), (518, 15387), (520, 15393),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 93

Candidate Starts for Stickynote_32:

(Start: 93 @27883 has 8 MA's), (107, 27907), (Start: 123 @27952 has 1 MA's), (149, 28012), (166, 28051), (210, 28147), (276, 28309), (297, 28342), (341, 28417), (350, 28441), (396, 28516), (420, 28582), (439, 28618), (492, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 28

Candidate Starts for Stinson_22:

(Start: 28 @15984 has 209 MA's), (54, 16101), (Start: 123 @16212 has 1 MA's), (Start: 130 @16233 has 1 MA's), (141, 16260), (189, 16362), (259, 16515), (301, 16596), (329, 16671), (333, 16686), (400, 16797), (416, 16839), (454, 16932), (467, 16956), (514, 17049), (523, 17088), (528, 17106),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 68

Candidate Starts for StorminNorm_33:

(Start: 68 @28561 has 42 MA's), (164, 28747), (170, 28759), (177, 28771), (184, 28786), (188, 28798), (198, 28825), (210, 28840), (217, 28867), (261, 28957), (278, 28993), (307, 29053), (322, 29077), (330, 29089), (354, 29149), (400, 29239), (443, 29353), (448, 29365), (479, 29431), (489, 29446), (509, 29470), (513, 29482),

Gene: Strobilo_19 Start: 13901, Stop: 15019, Start Num: 32

Candidate Starts for Strobilo_19:

(Start: 31 @13892 has 29 MA's), (32, 13901), (54, 14003), (116, 14093), (Start: 130 @14135 has 1 MA's), (131, 14138), (141, 14162), (188, 14261), (218, 14324), (231, 14363), (259, 14417), (291, 14483), (300, 14495), (317, 14546), (328, 14570), (366, 14648), (385, 14666), (400, 14696), (403, 14705), (416, 14738), (417, 14741), (467, 14855), (509, 14933), (514, 14948), (523, 14987), (528, 15005),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 68

Candidate Starts for Stultus_32:

(Start: 68 @28933 has 42 MA's), (164, 29119), (170, 29131), (184, 29158), (191, 29179), (217, 29239), (260, 29326), (261, 29329), (278, 29365), (294, 29398), (302, 29413), (307, 29425), (325, 29455), (330, 29461), (354, 29521), (400, 29611), (433, 29701), (443, 29725), (448, 29737), (479, 29803), (509, 29842), (513, 29854), (519, 29884),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 104

Candidate Starts for Sukkupi_42:

(Start: 104 @28532 has 7 MA's), (135, 28613), (158, 28658), (189, 28727), (259, 28895), (303, 28979), (327, 29030), (343, 29063), (428, 29261), (436, 29279), (462, 29321), (508, 29411), (510, 29417), (516, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 28

Candidate Starts for Sulley_22:

(Start: 28 @15984 has 209 MA's), (54, 16101), (116, 16191), (Start: 123 @16212 has 1 MA's), (Start: 130 @16233 has 1 MA's), (141, 16260), (259, 16515), (301, 16596), (329, 16671), (333, 16686), (400, 16797), (416, 16839), (454, 16932), (467, 16956), (514, 17049), (523, 17088), (528, 17106),

Gene: SummitAcademy_16 Start: 14542, Stop: 15498, Start Num: 92

Candidate Starts for SummitAcademy_16:

(Start: 92 @14542 has 54 MA's), (117, 14587), (138, 14644), (153, 14671), (177, 14725), (188, 14752), (212, 14803), (213, 14806), (215, 14812), (216, 14815), (233, 14869), (245, 14884), (262, 14929), (273, 14953), (284, 14968), (310, 15019), (354, 15115), (432, 15301), (445, 15331), (448, 15340), (475, 15397), (510, 15448), (518, 15484), (520, 15490),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 28

Candidate Starts for Sunflower1121_20:

(Start: 28 @15087 has 209 MA's), (54, 15207), (116, 15297), (141, 15366), (231, 15567), (301, 15702), (302, 15705), (328, 15774), (333, 15792), (364, 15852), (385, 15873), (400, 15903), (416, 15945), (417, 15948), (418, 15951), (454, 16038), (467, 16062), (509, 16140), (514, 16155), (523, 16194), (528, 16212),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 100

Candidate Starts for SuperSulley_41:

(Start: 100 @29704 has 6 MA's), (135, 29785), (156, 29821), (194, 29911), (216, 29968), (327, 30202), (341, 30229), (365, 30280), (405, 30373), (462, 30490), (510, 30586), (512, 30592), (516, 30607),

Gene: Survivors_19 Start: 15594, Stop: 16559, Start Num: 92

Candidate Starts for Survivors_19:

(Start: 92 @15594 has 54 MA's), (117, 15639), (Start: 129 @15675 has 22 MA's), (138, 15696), (153, 15723), (177, 15777), (212, 15858), (215, 15867), (216, 15870), (242, 15939), (262, 15987), (310, 16077), (316, 16092), (335, 16131), (405, 16287), (431, 16353), (432, 16356), (433, 16359), (445, 16386), (448, 16395), (459, 16419), (475, 16452), (484, 16470), (512, 16515), (518, 16545), (520, 16551),

Gene: SweatNTears_19 Start: 14923, Stop: 15894, Start Num: 92

Candidate Starts for SweatNTears_19:

(Start: 92 @14923 has 54 MA's), (117, 14968), (124, 14989), (153, 15052), (161, 15076), (177, 15106), (212, 15184), (215, 15193), (216, 15196), (242, 15262), (262, 15310), (286, 15352), (302, 15382), (310, 15400), (330, 15451), (354, 15511), (364, 15526), (366, 15529), (379, 15553), (405, 15625), (411, 15643), (431, 15694), (432, 15697), (445, 15727), (448, 15736), (453, 15751), (483, 15808), (514, 15856), (518, 15880), (520, 15886),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 28

Candidate Starts for Sweets_17:

(6, 15139), (Start: 28 @15472 has 209 MA's), (54, 15592), (65, 15610), (101, 15655), (105, 15661), (Start: 129 @15724 has 22 MA's), (145, 15760), (178, 15829), (180, 15832), (188, 15853), (216, 15907), (231, 15952), (249, 15982), (300, 16084), (305, 16096), (310, 16108), (314, 16126), (385, 16291), (400, 16321), (409, 16339), (416, 16363), (468, 16483), (514, 16573), (521, 16606),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 82

Candidate Starts for Syleon_27:

(Start: 82 @20965 has 11 MA's), (95, 20980), (233, 21271), (286, 21373), (296, 21391), (300, 21397), (352, 21508), (354, 21514), (381, 21562), (410, 21640), (411, 21643), (412, 21646), (433, 21694), (459, 21748), (481, 21790), (509, 21826), (510, 21829), (515, 21844),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 28

Candidate Starts for Syra333_21:

(Start: 28 @15182 has 209 MA's), (54, 15302), (116, 15392), (141, 15461), (231, 15662), (259, 15716), (328, 15869), (333, 15887), (385, 15968), (403, 16007), (416, 16040), (454, 16133), (467, 16157), (509, 16235), (514, 16250), (523, 16289), (528, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 28

Candidate Starts for TBond007_21:

(Start: 28 @16221 has 209 MA's), (54, 16344), (101, 16407), (105, 16413), (120, 16443), (Start: 130 @16476 has 1 MA's), (180, 16581), (188, 16602), (190, 16608), (218, 16665), (249, 16734), (291, 16821), (310, 16857), (385, 17004), (400, 17034), (403, 17043), (416, 17076), (417, 17079), (418, 17082), (454, 17169), (504, 17256), (521, 17319), (523, 17325),

Gene: TClif_22 Start: 15218, Stop: 16354, Start Num: 28

Candidate Starts for TClif_22:

(Start: 28 @15218 has 209 MA's), (54, 15335), (101, 15398), (141, 15494), (188, 15593), (189, 15596), (231, 15695), (328, 15902), (329, 15905), (366, 15983), (416, 16073), (418, 16079), (454, 16166), (514, 16283), (519, 16310), (523, 16322), (528, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 31

Candidate Starts for TM4_18:

(Start: 31 @13970 has 29 MA's), (32, 13979), (54, 14081), (116, 14171), (Start: 130 @14213 has 1 MA's), (131, 14216), (141, 14240), (188, 14339), (218, 14402), (231, 14441), (259, 14495), (291, 14561), (300, 14573), (317, 14624), (328, 14648), (366, 14726), (385, 14744), (400, 14774), (416, 14816), (417, 14819), (467, 14933), (509, 15011), (514, 15026), (523, 15065), (528, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 37

Candidate Starts for TPA4_18:

(8, 16287), (Start: 37 @16629 has 1 MA's), (65, 16710), (101, 16755), (208, 16986), (259, 17121), (296, 17193), (300, 17199), (313, 17238), (400, 17400), (414, 17433), (447, 17511), (509, 17637), (521, 17685), (523, 17691),

Gene: TZGordon_23 Start: 15781, Stop: 16614, Start Num: 89

Candidate Starts for TZGordon_23:

(Start: 89 @15781 has 6 MA's), (Start: 92 @15784 has 54 MA's), (108, 15799), (122, 15838), (Start: 129 @15859 has 22 MA's), (Start: 130 @15862 has 1 MA's), (195, 16006), (289, 16192), (339, 16279), (389, 16363), (429, 16444), (468, 16528), (471, 16534), (476, 16546), (478, 16549), (493, 16573),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 28

Candidate Starts for Tachez_22:

(Start: 28 @15980 has 209 MA's), (54, 16097), (116, 16187), (Start: 123 @16208 has 1 MA's), (Start: 130 @16229 has 1 MA's), (141, 16256), (259, 16511), (301, 16592), (329, 16667), (333, 16682), (400, 16793), (416, 16835), (454, 16928), (467, 16952), (514, 17045), (523, 17084), (528, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 28

Candidate Starts for Taheera_17:

(4, 15095), (6, 15155), (Start: 28 @15491 has 209 MA's), (54, 15614), (65, 15632), (101, 15677), (105, 15683), (Start: 129 @15746 has 22 MA's), (145, 15782), (178, 15851), (180, 15854), (188, 15875), (216, 15929), (249, 16004), (300, 16106), (305, 16118), (385, 16313), (400, 16343), (409, 16361), (416, 16385), (460, 16487), (468, 16505), (514, 16595), (521, 16628),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 28

Candidate Starts for TaiwanKao_23:

(Start: 28 @15991 has 209 MA's), (54, 16108), (116, 16198), (Start: 123 @16219 has 1 MA's), (Start: 130 @16240 has 1 MA's), (141, 16267), (259, 16522), (301, 16603), (329, 16678), (333, 16693), (400, 16804), (416, 16846), (454, 16939), (461, 16951), (467, 16963), (514, 17056), (523, 17095), (528, 17113),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 68

Candidate Starts for Tangent_34:

(Start: 68 @29370 has 42 MA's), (164, 29556), (170, 29568), (184, 29595), (191, 29616), (217, 29676), (260, 29763), (261, 29766), (278, 29802), (294, 29835), (302, 29850), (307, 29862), (325, 29892), (330, 29898), (354, 29958), (400, 30048), (433, 30138), (443, 30162), (448, 30174), (479, 30240), (509, 30279), (513, 30291), (519, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 68

Candidate Starts for Tangerine_33:

(Start: 68 @28564 has 42 MA's), (143, 28705), (164, 28750), (170, 28762), (177, 28774), (184, 28789), (188, 28801), (198, 28828), (210, 28843), (217, 28870), (261, 28960), (278, 28996), (307, 29056), (330, 29092), (354, 29152), (400, 29242), (433, 29332), (443, 29356), (448, 29368), (479, 29434), (489, 29449), (509, 29473), (513, 29485),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 28

Candidate Starts for Taquito_21:

(Start: 28 @17109 has 209 MA's), (32, 17127), (43, 17199), (54, 17229), (116, 17319), (Start: 130 @17361 has 1 MA's), (140, 17385), (189, 17490), (259, 17643), (296, 17712), (300, 17718), (366, 17871), (385, 17889), (400, 17919), (416, 17961), (417, 17964), (509, 18156), (514, 18171), (523, 18210), (528, 18228),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 53

Candidate Starts for Tardus_35:

(Start: 53 @29129 has 22 MA's), (106, 29201), (116, 29225), (Start: 129 @29261 has 22 MA's), (148, 29297), (225, 29453), (259, 29525), (292, 29588), (299, 29597), (320, 29654), (331, 29687), (344, 29720), (345, 29723), (418, 29876), (432, 29909), (436, 29918), (445, 29939), (464, 29966), (473, 29987), (476, 29996), (479, 30002), (508, 30035), (509, 30038), (523, 30092), (527, 30104),

Gene: TaronosaurusRx_18 Start: 16056, Stop: 16982, Start Num: 88

Candidate Starts for TaronosaurusRx_18:

(14, 15741), (15, 15765), (17, 15792), (69, 16038), (Start: 88 @16056 has 13 MA's), (Start: 97 @16065 has 11 MA's), (120, 16107), (Start: 123 @16119 has 1 MA's), (220, 16341), (235, 16386), (251, 16410), (257, 16416), (260, 16425), (262, 16431), (276, 16461), (310, 16521), (311, 16527), (342, 16587), (343, 16590), (354, 16614), (388, 16671), (418, 16758), (450, 16827), (476, 16881), (518, 16965),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 28

Candidate Starts for Terror_17:

(4, 15095), (6, 15155), (Start: 28 @15491 has 209 MA's), (54, 15614), (65, 15632), (101, 15677), (105, 15683), (Start: 129 @15746 has 22 MA's), (145, 15782), (178, 15851), (180, 15854), (188, 15875),

(216, 15929), (249, 16004), (300, 16106), (305, 16118), (385, 16313), (400, 16343), (409, 16361), (416, 16385), (460, 16487), (468, 16505), (514, 16595), (521, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 87

Candidate Starts for Tesla_48:

(Start: 87 @26061 has 65 MA's), (153, 26193), (161, 26217), (165, 26226), (169, 26232), (174, 26241), (185, 26265), (188, 26274), (193, 26286), (250, 26412), (289, 26493), (300, 26508), (302, 26514), (352, 26622), (411, 26748), (413, 26754), (447, 26829), (490, 26904), (493, 26910), (500, 26922), (501, 26925), (526, 27012), (527, 27015), (529, 27018),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 68

Candidate Starts for Thing3_33:

(Start: 68 @29854 has 42 MA's), (164, 30040), (170, 30052), (184, 30079), (191, 30100), (217, 30160), (260, 30247), (261, 30250), (278, 30286), (294, 30319), (302, 30334), (307, 30346), (325, 30376), (330, 30382), (354, 30442), (400, 30532), (433, 30622), (443, 30646), (448, 30658), (479, 30724), (489, 30739), (509, 30763), (513, 30775),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 31

Candidate Starts for Thyatira_20:

(Start: 31 @16323 has 29 MA's), (Start: 130 @16566 has 1 MA's), (141, 16593), (188, 16692), (231, 16794), (259, 16848), (275, 16878), (291, 16914), (293, 16917), (300, 16926), (328, 17001), (329, 17004), (343, 17040), (366, 17082), (385, 17100), (388, 17106), (400, 17130), (401, 17133), (403, 17139), (416, 17172), (514, 17382), (523, 17421), (528, 17439),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 53

Candidate Starts for Tiamoceli_32:

(Start: 53 @27405 has 22 MA's), (65, 27417), (86, 27444), (116, 27492), (117, 27495), (136, 27546), (176, 27624), (225, 27720), (259, 27792), (320, 27921), (331, 27954), (345, 27990), (432, 28176), (445, 28206), (464, 28233), (479, 28269), (508, 28302), (527, 28371),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 28

Candidate Starts for Tierra_21:

(Start: 28 @15908 has 209 MA's), (54, 16028), (116, 16118), (141, 16187), (231, 16388), (333, 16613), (364, 16673), (385, 16694), (416, 16766), (417, 16769), (418, 16772), (454, 16859), (467, 16883), (509, 16961), (514, 16976), (523, 17015), (528, 17033),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 74

Candidate Starts for TillyBobJoe_30:

(Start: 74 @24720 has 30 MA's), (Start: 129 @24816 has 22 MA's), (161, 24885), (164, 24891), (177, 24915), (184, 24930), (190, 24948), (278, 25140), (324, 25218), (343, 25263), (354, 25287), (382, 25326), (415, 25422), (433, 25464), (448, 25500), (462, 25530), (484, 25575), (505, 25596), (519, 25647),

Gene: TinaLin_24 Start: 16616, Stop: 17446, Start Num: 92

Candidate Starts for TinaLin_24:

(Start: 89 @16613 has 6 MA's), (Start: 92 @16616 has 54 MA's), (108, 16631), (120, 16661), (122, 16670), (Start: 130 @16694 has 1 MA's), (184, 16808), (186, 16814), (190, 16826), (195, 16838), (246, 16937), (289, 17024), (303, 17048), (346, 17132), (360, 17156), (362, 17159), (389, 17195), (429, 17276), (460, 17342), (471, 17366), (476, 17378), (478, 17381),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 28

Candidate Starts for TiniBug_22:

(Start: 28 @15962 has 209 MA's), (54, 16079), (116, 16169), (Start: 123 @16190 has 1 MA's), (Start: 130 @16211 has 1 MA's), (141, 16238), (231, 16439), (259, 16493), (264, 16499), (301, 16574), (329, 16649), (333, 16664), (416, 16817), (454, 16910), (467, 16934), (514, 17027), (523, 17066), (528, 17084),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 28

Candidate Starts for Tiri_22:

(Start: 28 @16023 has 209 MA's), (54, 16140), (116, 16230), (Start: 123 @16251 has 1 MA's), (Start: 130 @16272 has 1 MA's), (141, 16299), (259, 16554), (301, 16635), (329, 16710), (333, 16725), (400, 16836), (416, 16878), (454, 16971), (467, 16995), (514, 17088), (523, 17127), (528, 17145),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 127

Candidate Starts for Toast_18:

(Start: 127 @15883 has 13 MA's), (Start: 137 @15898 has 1 MA's), (153, 15928), (160, 15949), (200, 16039), (230, 16120), (325, 16324), (326, 16327), (411, 16522), (452, 16612), (483, 16654), (508, 16702), (510, 16708),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 74

Candidate Starts for Togo_30:

(Start: 74 @24909 has 30 MA's), (Start: 129 @25014 has 22 MA's), (161, 25083), (164, 25089), (177, 25113), (184, 25128), (354, 25488), (364, 25503), (378, 25521), (415, 25623), (433, 25665), (448, 25701), (505, 25797), (519, 25848),

Gene: Tolls_19 Start: 14433, Stop: 15404, Start Num: 92

Candidate Starts for Tolls_19:

(Start: 92 @14433 has 54 MA's), (117, 14478), (124, 14499), (Start: 129 @14514 has 22 MA's), (138, 14535), (161, 14586), (177, 14616), (188, 14643), (212, 14694), (215, 14703), (216, 14706), (233, 14760), (242, 14772), (262, 14820), (310, 14910), (330, 14961), (341, 14991), (354, 15021), (366, 15039), (405, 15135), (411, 15153), (431, 15204), (432, 15207), (445, 15237), (448, 15246), (453, 15261), (483, 15318), (514, 15366), (518, 15390), (520, 15396),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 28

Candidate Starts for TomBrady_17:

(6, 15145), (Start: 28 @15478 has 209 MA's), (54, 15598), (65, 15616), (101, 15661), (105, 15667), (Start: 129 @15730 has 22 MA's), (145, 15766), (178, 15835), (180, 15838), (188, 15859), (216, 15913), (231, 15958), (249, 15988), (300, 16090), (305, 16102), (310, 16114), (314, 16132), (385, 16297), (400, 16327), (409, 16345), (416, 16369), (468, 16489), (514, 16579), (521, 16612),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 60

Candidate Starts for Toniann_47:

(Start: 60 @28657 has 9 MA's), (98, 28705), (116, 28732), (142, 28804), (176, 28870), (188, 28900), (251, 29008), (300, 29101), (310, 29125), (313, 29140), (366, 29236), (400, 29284), (494, 29464), (509, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Topper_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 75

Candidate Starts for TouchMeNot_18:

(Start: 75 @16550 has 3 MA's), (Start: 78 @16553 has 8 MA's), (124, 16637), (187, 16775), (341, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 87

Candidate Starts for Tourach_17:

(Start: 87 @16072 has 65 MA's), (106, 16096), (120, 16126), (157, 16207), (177, 16252), (296, 16477), (298, 16480), (300, 16483), (340, 16570), (352, 16594), (354, 16600), (390, 16669), (398, 16687), (407, 16708), (429, 16762), (434, 16774), (465, 16837), (521, 16966), (524, 16978),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 99

Candidate Starts for Tracker_40:

(Start: 99 @28657 has 24 MA's), (135, 28744), (173, 28819), (200, 28885), (216, 28927), (233, 28984), (343, 29197), (354, 29224), (405, 29335), (462, 29467), (510, 29563),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 82

Candidate Starts for Trax_27:

(Start: 72 @22683 has 1 MA's), (Start: 82 @22698 has 11 MA's), (120, 22755), (Start: 129 @22785 has 22 MA's), (185, 22899), (221, 22974), (234, 23007), (255, 23043), (296, 23124), (298, 23127), (310, 23154), (311, 23160), (329, 23187), (354, 23247), (357, 23253), (411, 23376), (412, 23379), (418, 23400), (434, 23430), (439, 23439), (457, 23478), (459, 23481), (481, 23523), (500, 23538), (502, 23544), (510, 23562), (515, 23577),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 28

Candidate Starts for TreyKay_22:

(Start: 28 @15985 has 209 MA's), (54, 16102), (116, 16192), (Start: 123 @16213 has 1 MA's), (Start: 130 @16234 has 1 MA's), (141, 16261), (259, 16516), (301, 16597), (329, 16672), (333, 16687), (400, 16798), (416, 16840), (454, 16933), (467, 16957), (514, 17050), (523, 17089), (528, 17107),

Gene: TribbleTrouble_20 Start: 16264, Stop: 17403, Start Num: 28

Candidate Starts for TribbleTrouble_20:

(Start: 28 @16264 has 209 MA's), (54, 16390), (101, 16453), (105, 16459), (120, 16489), (Start: 130 @16522 has 1 MA's), (180, 16627), (188, 16648), (231, 16750), (249, 16780), (271, 16825), (310, 16903), (385, 17050), (400, 17080), (403, 17089), (416, 17122), (417, 17125), (418, 17128), (454, 17215), (504, 17302), (512, 17326), (514, 17332), (521, 17365), (523, 17371),

Gene: Troje_17 Start: 14394, Stop: 15365, Start Num: 92

Candidate Starts for Troje_17:

(Start: 92 @14394 has 54 MA's), (117, 14439), (124, 14460), (Start: 129 @14475 has 22 MA's), (153, 14523), (161, 14547), (177, 14577), (212, 14655), (215, 14664), (216, 14667), (242, 14733), (262, 14781), (286, 14823), (310, 14871), (330, 14922), (354, 14982), (364, 14997), (366, 15000), (379, 15024), (405, 15096), (411, 15114), (431, 15165), (432, 15168), (445, 15198), (448, 15207), (453, 15222), (475, 15264), (483, 15279), (514, 15327), (518, 15351), (520, 15357),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 28

Candidate Starts for TruffulaTree_22:

(Start: 28 @16014 has 209 MA's), (54, 16131), (116, 16221), (Start: 123 @16242 has 1 MA's), (Start: 130 @16263 has 1 MA's), (141, 16290), (259, 16545), (301, 16626), (329, 16701), (333, 16716), (400, 16827), (416, 16869), (454, 16962), (467, 16986), (514, 17079), (523, 17118), (528, 17136),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 99

Candidate Starts for Turuncu_44:

(Start: 99 @29978 has 24 MA's), (135, 30056), (171, 30128), (207, 30209), (259, 30338), (343, 30509), (411, 30665), (462, 30764), (502, 30839), (510, 30860),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 74

Candidate Starts for Twister6_32:

(Start: 74 @25345 has 30 MA's), (Start: 129 @25450 has 22 MA's), (161, 25519), (164, 25525), (177, 25549), (184, 25564), (354, 25924), (364, 25939), (378, 25957), (415, 26059), (433, 26101), (448, 26137), (505, 26233), (519, 26284),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 28

Candidate Starts for Twitch_22:

(Start: 28 @16051 has 209 MA's), (54, 16168), (116, 16258), (Start: 123 @16279 has 1 MA's), (Start: 130 @16300 has 1 MA's), (141, 16327), (259, 16582), (301, 16663), (329, 16738), (333, 16753), (400, 16864), (416, 16906), (454, 16999), (467, 17023), (514, 17116), (523, 17155), (528, 17173),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 53

Candidate Starts for Twonlo_29:

(Start: 53 @26023 has 22 MA's), (65, 26035), (86, 26062), (116, 26110), (117, 26113), (136, 26164), (176, 26242), (225, 26338), (243, 26371), (259, 26410), (320, 26539), (331, 26572), (345, 26608), (432, 26794), (445, 26824), (464, 26851), (479, 26887), (508, 26920), (527, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 79

Candidate Starts for TyDawg_27:

(Start: 79 @21457 has 19 MA's), (134, 21559), (143, 21577), (153, 21592), (185, 21664), (188, 21673), (228, 21751), (296, 21886), (298, 21889), (300, 21892), (332, 21961), (352, 22003), (354, 22009), (417, 22150), (429, 22171), (434, 22183), (508, 22306), (512, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 68

Candidate Starts for Tycho_33:

(Start: 68 @28653 has 42 MA's), (153, 28809), (164, 28839), (170, 28851), (177, 28863), (184, 28878), (188, 28890), (261, 29049), (278, 29085), (307, 29145), (330, 29181), (354, 29241), (400, 29331), (433, 29421), (443, 29445), (448, 29457), (479, 29523), (489, 29538), (509, 29562), (513, 29574),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 41

Candidate Starts for Typha_23:

(Start: 41 @18613 has 4 MA's), (Start: 81 @18679 has 8 MA's), (Start: 129 @18769 has 22 MA's), (131, 18775), (156, 18823), (177, 18871), (188, 18898), (202, 18925), (204, 18928), (218, 18949), (240, 19000), (265, 19051), (269, 19060), (282, 19087), (314, 19162), (325, 19186), (388, 19276), (400, 19300), (401, 19303), (416, 19339), (439, 19393), (442, 19402), (461, 19444), (463, 19447), (509, 19528), (512, 19537), (523, 19582),

Gene: Typhonomachy_18 Start: 14764, Stop: 15735, Start Num: 92

Candidate Starts for Typhonomachy_18:

(Start: 92 @14764 has 54 MA's), (117, 14809), (124, 14830), (153, 14893), (161, 14917), (177, 14947), (193, 14986), (212, 15025), (215, 15034), (216, 15037), (242, 15103), (262, 15151), (286, 15193), (310, 15241), (330, 15292), (354, 15352), (364, 15367), (366, 15370), (372, 15388), (379, 15394), (395, 15439), (405, 15466), (411, 15484), (431, 15535), (432, 15538), (445, 15568), (448, 15577), (453, 15592), (483, 15649), (514, 15697), (518, 15721), (520, 15727),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 84

Candidate Starts for Tyson_17:

(48, 15811), (Start: 71 @15847 has 9 MA's), (Start: 84 @15865 has 9 MA's), (106, 15889), (120, 15919), (124, 15934), (138, 15967), (217, 16111), (252, 16192), (298, 16267), (300, 16270), (302, 16276), (324, 16321), (335, 16348), (352, 16381), (354, 16387), (374, 16420), (382, 16429), (390,

16456), (441, 16576), (465, 16624), (510, 16690), (512, 16696), (521, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 71

Candidate Starts for UPIE_17:

(48, 15809), (Start: 71 @15845 has 9 MA's), (Start: 84 @15863 has 9 MA's), (106, 15887), (120, 15917), (124, 15932), (138, 15965), (217, 16109), (298, 16265), (300, 16268), (302, 16274), (324, 16319), (335, 16346), (352, 16379), (354, 16385), (374, 16418), (382, 16427), (390, 16454), (441, 16574), (465, 16622), (510, 16688), (512, 16694), (521, 16733),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Ubuntu_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 129

Candidate Starts for UmaThurman_18:

(Start: 126 @15915 has 6 MA's), (Start: 129 @15921 has 22 MA's), (200, 16077), (230, 16158), (281, 16257), (326, 16365), (356, 16449), (394, 16515), (411, 16560), (452, 16650), (483, 16692),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 28

Candidate Starts for Unicorn_21:

(Start: 28 @15233 has 209 MA's), (54, 15353), (116, 15443), (141, 15512), (231, 15713), (259, 15767), (275, 15797), (333, 15938), (364, 15998), (385, 16019), (400, 16049), (416, 16091), (417, 16094), (418, 16097), (454, 16184), (467, 16208), (509, 16286), (514, 16301), (523, 16340), (528, 16358),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 28

Candidate Starts for Urkel_22:

(Start: 28 @15965 has 209 MA's), (54, 16082), (116, 16172), (Start: 123 @16193 has 1 MA's), (Start: 130 @16214 has 1 MA's), (141, 16241), (231, 16442), (259, 16496), (264, 16502), (301, 16577), (329, 16652), (333, 16667), (416, 16820), (454, 16913), (467, 16937), (514, 17030), (523, 17069), (528, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 129

Candidate Starts for Utz_18:

(Start: 126 @15782 has 6 MA's), (Start: 129 @15788 has 22 MA's), (200, 15944), (230, 16025), (281, 16124), (326, 16232), (356, 16316), (396, 16388), (452, 16517), (466, 16544), (483, 16559),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 74

Candidate Starts for Valary_33:

(Start: 74 @25854 has 30 MA's), (Start: 129 @25959 has 22 MA's), (161, 26028), (164, 26034), (177, 26058), (184, 26073), (354, 26433), (364, 26448), (378, 26466), (415, 26568), (433, 26610), (448, 26646), (505, 26742), (519, 26793),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 28

Candidate Starts for Validus_22:

(Start: 28 @15308 has 209 MA's), (54, 15428), (116, 15518), (141, 15587), (188, 15686), (189, 15689), (231, 15788), (259, 15842), (301, 15923), (329, 15998), (333, 16013), (400, 16124), (416, 16166), (417, 16169), (454, 16259), (502, 16343), (509, 16361), (514, 16376), (523, 16415), (528, 16433),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 74

Candidate Starts for VanDeWege_33:

(Start: 74 @25693 has 30 MA's), (Start: 129 @25789 has 22 MA's), (161, 25858), (164, 25864), (177, 25888), (184, 25903), (261, 26077), (278, 26113), (324, 26191), (354, 26260), (415, 26395), (433, 26437), (448, 26473), (484, 26548), (505, 26569), (519, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 82

Candidate Starts for VanLee_19:

(Start: 82 @15562 has 11 MA's), (120, 15619), (124, 15634), (187, 15769), (255, 15904), (267, 15934), (296, 15970), (298, 15973), (303, 15985), (311, 16006), (329, 16036), (352, 16093), (354, 16099), (368, 16123), (434, 16273), (485, 16369), (517, 16429),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 87

Candidate Starts for VasuNzinga_49:

(Start: 87 @25618 has 65 MA's), (153, 25750), (161, 25774), (165, 25783), (169, 25789), (174, 25798), (185, 25822), (188, 25831), (193, 25843), (250, 25969), (289, 26050), (300, 26065), (302, 26071), (352, 26179), (411, 26305), (413, 26311), (490, 26461), (493, 26467), (500, 26479), (501, 26482), (526, 26569), (527, 26572), (529, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 28

Candidate Starts for Veliki_22:

(Start: 28 @16054 has 209 MA's), (54, 16171), (116, 16261), (Start: 123 @16282 has 1 MA's), (Start: 130 @16303 has 1 MA's), (141, 16330), (259, 16585), (301, 16666), (329, 16741), (333, 16756), (400, 16867), (416, 16909), (454, 17002), (467, 17026), (514, 17119), (523, 17158), (528, 17176),

Gene: Vendetta_21 Start: 15645, Stop: 16475, Start Num: 92

Candidate Starts for Vendetta_21:

(Start: 89 @15642 has 6 MA's), (Start: 92 @15645 has 54 MA's), (108, 15660), (122, 15699), (Start: 129 @15720 has 22 MA's), (Start: 130 @15723 has 1 MA's), (195, 15867), (289, 16053), (318, 16122), (389, 16224), (429, 16305), (431, 16308), (468, 16389), (471, 16395), (476, 16407), (478, 16410), (493, 16434),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 53

Candidate Starts for Verity_33:

(Start: 53 @29967 has 22 MA's), (116, 30054), (Start: 129 @30090 has 22 MA's), (148, 30126), (225, 30282), (227, 30285), (259, 30354), (292, 30417), (299, 30426), (331, 30516), (344, 30549), (345, 30552), (418, 30705), (436, 30747), (445, 30768), (464, 30795), (473, 30816), (476, 30825), (479, 30831), (508, 30864), (509, 30867), (520, 30912), (523, 30921), (527, 30933),

Gene: Vetric_17 Start: 16080, Stop: 16994, Start Num: 87

Candidate Starts for Vetric_17:

(Start: 87 @16080 has 65 MA's), (106, 16104), (120, 16134), (177, 16260), (217, 16332), (296, 16485), (298, 16488), (300, 16491), (311, 16521), (340, 16578), (352, 16602), (354, 16608), (390, 16677), (398, 16695), (407, 16716), (434, 16782), (465, 16845), (521, 16974), (524, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 53

Candidate Starts for ViaConlectus_34:

(Start: 53 @28404 has 22 MA's), (106, 28476), (116, 28500), (Start: 129 @28536 has 22 MA's), (148, 28572), (225, 28728), (259, 28800), (292, 28863), (299, 28872), (320, 28929), (331, 28962), (344, 28995), (345, 28998), (403, 29115), (418, 29151), (432, 29184), (436, 29193), (445, 29214), (464, 29241), (476, 29271), (479, 29277), (508, 29310), (509, 29313), (523, 29367), (527, 29379),

Gene: Vine_18 Start: 15477, Stop: 16433, Start Num: 92

Candidate Starts for Vine_18:

(Start: 92 @15477 has 54 MA's), (117, 15522), (138, 15579), (153, 15606), (177, 15660), (188, 15687), (212, 15738), (213, 15741), (215, 15747), (216, 15750), (233, 15804), (245, 15819), (262, 15864), (273, 15888), (284, 15903), (310, 15954), (354, 16050), (432, 16236), (445, 16266), (448, 16275), (459, 16299), (475, 16332), (518, 16419), (520, 16425),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 68

Candidate Starts for Vivi2_36:

(Start: 68 @30528 has 42 MA's), (164, 30714), (170, 30726), (184, 30753), (191, 30774), (217, 30834), (260, 30921), (261, 30924), (278, 30960), (294, 30993), (302, 31008), (307, 31020), (325, 31050), (330, 31056), (354, 31116), (400, 31206), (433, 31296), (443, 31320), (448, 31332), (479, 31398), (509, 31437), (513, 31449),

Gene: Volt_54 Start: 27948, Stop: 28892, Start Num: 83

Candidate Starts for Volt_54:

(Start: 81 @27945 has 8 MA's), (Start: 83 @27948 has 5 MA's), (143, 28068), (188, 28164), (228, 28266), (261, 28332), (270, 28353), (273, 28359), (300, 28410), (310, 28434), (354, 28527), (382, 28566), (420, 28677), (423, 28683), (426, 28692), (431, 28698), (445, 28731), (448, 28740), (451, 28749), (459, 28764), (507, 28839), (511, 28851), (515, 28863), (518, 28884),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 70

Candidate Starts for Vordorf_21:

(Start: 70 @17520 has 4 MA's), (73, 17526), (101, 17562), (102, 17565), (174, 17733), (181, 17748), (186, 17760), (239, 17856), (241, 17859), (254, 17880), (259, 17895), (317, 18024), (388, 18120), (411, 18165), (417, 18186), (430, 18216), (474, 18306),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 129

Candidate Starts for Walrus_19:

(Start: 126 @16010 has 6 MA's), (Start: 129 @16016 has 22 MA's), (200, 16172), (230, 16253), (281, 16352), (326, 16460), (356, 16544), (394, 16610), (411, 16655), (452, 16745), (483, 16787),

Gene: Wamburgxpress_17 Start: 15878, Stop: 16759, Start Num: 84

Candidate Starts for Wamburgxpress_17:

(Start: 71 @15860 has 9 MA's), (Start: 84 @15878 has 9 MA's), (106, 15902), (120, 15932), (124, 15947), (138, 15980), (217, 16124), (252, 16205), (298, 16280), (300, 16283), (302, 16289), (324, 16334), (335, 16361), (352, 16394), (354, 16400), (374, 16433), (382, 16442), (390, 16469), (441, 16589), (465, 16637), (510, 16703), (512, 16709), (521, 16748),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 31

Candidate Starts for Waterfoul_20:

(Start: 31 @16344 has 29 MA's), (Start: 130 @16587 has 1 MA's), (141, 16614), (188, 16713), (231, 16815), (259, 16869), (275, 16899), (291, 16935), (293, 16938), (300, 16947), (328, 17022), (329, 17025), (343, 17061), (366, 17103), (385, 17121), (388, 17127), (400, 17151), (401, 17154), (403, 17160), (416, 17193), (514, 17403), (523, 17442), (528, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Webster2_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Weirido19_18 Start: 14977, Stop: 16083, Start Num: 45

Candidate Starts for Weirido19_18:

(10, 14650), (12, 14686), (Start: 45 @14977 has 1 MA's), (Start: 49 @14989 has 21 MA's), (Start: 123 @15118 has 1 MA's), (140, 15163), (141, 15166), (145, 15172), (154, 15187), (192, 15271), (223, 15355), (232, 15385), (236, 15391), (253, 15421), (267, 15448), (268, 15454), (273, 15463), (295, 15508), (304, 15526), (308, 15535), (333, 15610), (341, 15628), (402, 15769), (476, 15937), (501, 15976), (509, 15997), (512, 16006), (514, 16012), (523, 16051),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 55

Candidate Starts for WheatThin_21:

(Start: 55 @16293 has 16 MA's), (91, 16338), (110, 16368), (154, 16476), (219, 16626), (232, 16674), (274, 16758), (279, 16767), (302, 16809), (377, 16986), (391, 17019), (409, 17055), (501, 17250), (522, 17322), (523, 17325),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 99

Candidate Starts for Wheezy_40:

(Start: 99 @28862 has 24 MA's), (135, 28949), (173, 29024), (200, 29090), (216, 29132), (233, 29189), (343, 29402), (354, 29429), (405, 29540), (462, 29672), (510, 29768),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 87

Candidate Starts for Whirlwind_19:

(Start: 87 @16247 has 65 MA's), (106, 16271), (124, 16316), (Start: 129 @16331 has 22 MA's), (138, 16352), (185, 16448), (255, 16583), (258, 16592), (298, 16652), (300, 16655), (302, 16661), (335, 16733), (352, 16766), (390, 16841), (418, 16916), (443, 16967), (465, 17009), (521, 17120), (522, 17123),

Gene: Whitney_20 Start: 16305, Stop: 17228, Start Num: 94

Candidate Starts for Whitney_20:

(Start: 94 @16305 has 13 MA's), (Start: 97 @16308 has 11 MA's), (106, 16320), (115, 16338), (131, 16383), (153, 16422), (170, 16461), (186, 16494), (188, 16500), (215, 16569), (233, 16623), (235, 16626), (238, 16629), (247, 16641), (260, 16665), (262, 16671), (270, 16689), (302, 16743), (307, 16755), (310, 16761), (322, 16782), (342, 16827), (343, 16830), (352, 16848), (354, 16854), (364, 16869), (366, 16872), (431, 17025), (432, 17028), (434, 17034), (450, 17067), (459, 17085), (475, 17118), (510, 17169), (515, 17184), (523, 17220),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 78

Candidate Starts for Whitty_18:

(Start: 78 @16018 has 8 MA's), (101, 16045), (111, 16063), (190, 16240), (191, 16243), (222, 16318), (255, 16384), (266, 16411), (298, 16468), (302, 16477), (412, 16714), (419, 16738), (470, 16837), (478, 16858), (491, 16879), (509, 16918), (512, 16927),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 104

Candidate Starts for WhoseManz_42:

(Start: 104 @26578 has 7 MA's), (135, 26659), (158, 26704), (189, 26773), (233, 26899), (259, 26941), (303, 27025), (327, 27076), (343, 27109), (405, 27247), (428, 27307), (436, 27325), (462, 27367), (508, 27457), (510, 27463), (516, 27484),

Gene: Wigglewigggle_17 Start: 16106, Stop: 17020, Start Num: 87

Candidate Starts for Wigglewigggle_17:

(Start: 87 @16106 has 65 MA's), (106, 16130), (120, 16160), (177, 16286), (217, 16358), (296, 16511), (298, 16514), (300, 16517), (311, 16547), (340, 16604), (352, 16628), (354, 16634), (390, 16703), (398, 16721), (407, 16742), (429, 16796), (434, 16808), (465, 16871), (521, 17000), (524,

17012),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 87

Candidate Starts for Wilder_17:

(Start: 87 @16079 has 65 MA's), (106, 16103), (120, 16133), (177, 16259), (217, 16331), (296, 16484), (298, 16487), (300, 16490), (311, 16520), (340, 16577), (352, 16601), (354, 16607), (390, 16676), (398, 16694), (407, 16715), (429, 16769), (434, 16781), (465, 16844), (521, 16973), (524, 16985),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 127

Candidate Starts for William_18:

(Start: 127 @15832 has 13 MA's), (Start: 137 @15847 has 1 MA's), (153, 15877), (160, 15898), (200, 15988), (230, 16069), (325, 16273), (326, 16276), (411, 16471), (452, 16561), (483, 16603), (508, 16651), (510, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 56

Candidate Starts for WilliamBoone_47:

(Start: 56 @28015 has 9 MA's), (Start: 60 @28021 has 9 MA's), (98, 28069), (116, 28096), (142, 28168), (152, 28183), (251, 28372), (300, 28465), (310, 28489), (313, 28504), (364, 28597), (366, 28600), (400, 28648), (494, 28828), (509, 28864),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 87

Candidate Starts for Winky_17:

(Start: 87 @16074 has 65 MA's), (106, 16098), (120, 16128), (177, 16254), (217, 16326), (296, 16479), (298, 16482), (300, 16485), (311, 16515), (340, 16572), (352, 16596), (354, 16602), (390, 16671), (398, 16689), (407, 16710), (434, 16776), (465, 16839), (521, 16968), (524, 16980),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 28

Candidate Starts for Wintermute_23:

(Start: 28 @17489 has 209 MA's), (32, 17507), (43, 17579), (54, 17609), (116, 17699), (Start: 130 @17741 has 1 MA's), (140, 17765), (189, 17870), (296, 18092), (300, 18098), (364, 18248), (366, 18251), (385, 18269), (400, 18299), (416, 18341), (417, 18344), (439, 18395), (509, 18536), (514, 18551), (523, 18590), (528, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 49

Candidate Starts for Wishmaker_21:

(Start: 49 @16315 has 21 MA's), (Start: 53 @16324 has 22 MA's), (116, 16420), (120, 16429), (122, 16438), (141, 16489), (145, 16495), (190, 16591), (198, 16609), (223, 16678), (225, 16687), (232, 16708), (236, 16714), (241, 16720), (244, 16723), (274, 16795), (276, 16798), (341, 16954), (368, 17005), (374, 17023), (402, 17095), (411, 17113), (443, 17197), (454, 17224), (456, 17227), (476, 17263), (488, 17281), (509, 17323), (514, 17338), (515, 17341), (521, 17371), (523, 17377),

Gene: Wisp_17 Start: 15521, Stop: 16366, Start Num: 137

Candidate Starts for Wisp_17:

(Start: 126 @15500 has 6 MA's), (Start: 129 @15506 has 22 MA's), (Start: 137 @15521 has 1 MA's), (200, 15662), (230, 15743), (261, 15800), (266, 15809), (281, 15842), (326, 15950), (356, 16034), (394, 16100), (411, 16145), (452, 16235), (483, 16277), (517, 16358),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 74

Candidate Starts for Wizard_30:

(Start: 74 @25052 has 30 MA's), (Start: 129 @25157 has 22 MA's), (161, 25226), (164, 25232), (177, 25256), (184, 25271), (354, 25631), (364, 25646), (378, 25664), (415, 25766), (433, 25808), (448, 25844), (505, 25940), (519, 25991),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 129

Candidate Starts for Wocket_19:

(Start: 126 @15974 has 6 MA's), (Start: 129 @15980 has 22 MA's), (200, 16136), (326, 16424), (356, 16508), (394, 16574), (396, 16580), (452, 16709), (483, 16751),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 71

Candidate Starts for Wyatt2_17:

(48, 15811), (Start: 71 @15847 has 9 MA's), (Start: 84 @15865 has 9 MA's), (106, 15889), (120, 15919), (124, 15934), (138, 15967), (217, 16111), (298, 16267), (300, 16270), (302, 16276), (324, 16321), (335, 16348), (354, 16387), (374, 16420), (382, 16429), (390, 16456), (441, 16576), (465, 16624), (510, 16690), (512, 16696), (521, 16735),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 28

Candidate Starts for Ximenita_22:

(Start: 28 @15360 has 209 MA's), (54, 15480), (116, 15570), (141, 15639), (231, 15840), (259, 15894), (328, 16047), (333, 16065), (385, 16146), (400, 16176), (403, 16185), (416, 16218), (454, 16311), (467, 16335), (509, 16413), (514, 16428), (523, 16467), (528, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 28

Candidate Starts for Y10_23:

(Start: 28 @17489 has 209 MA's), (32, 17507), (43, 17579), (54, 17609), (116, 17699), (Start: 130 @17741 has 1 MA's), (140, 17765), (189, 17870), (296, 18092), (300, 18098), (364, 18248), (366, 18251), (385, 18269), (400, 18299), (416, 18341), (417, 18344), (439, 18395), (509, 18536), (514, 18551), (523, 18590), (528, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 28

Candidate Starts for Y2_23:

(Start: 28 @17489 has 209 MA's), (32, 17507), (43, 17579), (54, 17609), (116, 17699), (Start: 130 @17741 has 1 MA's), (140, 17765), (189, 17870), (296, 18092), (300, 18098), (364, 18248), (366, 18251), (385, 18269), (400, 18299), (416, 18341), (417, 18344), (439, 18395), (509, 18536), (514, 18551), (523, 18590), (528, 18608),

Gene: Yakult_18 Start: 14355, Stop: 15323, Start Num: 92

Candidate Starts for Yakult_18:

(46, 14280), (Start: 92 @14355 has 54 MA's), (117, 14400), (Start: 118 @14403 has 2 MA's), (120, 14406), (124, 14421), (Start: 129 @14436 has 22 MA's), (146, 14472), (153, 14484), (212, 14616), (215, 14625), (261, 14739), (262, 14742), (310, 14832), (354, 14943), (395, 15030), (432, 15126), (433, 15129), (445, 15156), (448, 15165), (450, 15171), (459, 15189), (475, 15222), (479, 15231), (518, 15309), (520, 15315),

Gene: Yarn_16 Start: 14423, Stop: 15394, Start Num: 92

Candidate Starts for Yarn_16:

(Start: 92 @14423 has 54 MA's), (117, 14468), (124, 14489), (Start: 129 @14504 has 22 MA's), (138, 14525), (161, 14576), (177, 14606), (188, 14633), (212, 14684), (215, 14693), (216, 14696), (233, 14750), (242, 14762), (262, 14810), (310, 14900), (330, 14951), (341, 14981), (354, 15011), (366, 15029), (405, 15125), (411, 15143), (431, 15194), (432, 15197), (445, 15227), (448, 15236), (453, 15251), (483, 15308), (514, 15356), (518, 15380), (520, 15386),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 104

Candidate Starts for Yndexa_42:

(Start: 104 @28532 has 7 MA's), (135, 28613), (158, 28658), (189, 28727), (259, 28895), (303, 28979), (327, 29030), (343, 29063), (428, 29261), (436, 29279), (462, 29321), (508, 29411), (510,

29417), (516, 29438),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 68

Candidate Starts for YorkOnyx_34:

(Start: 68 @28912 has 42 MA's), (153, 29068), (164, 29098), (170, 29110), (177, 29122), (184, 29137), (188, 29149), (261, 29308), (278, 29344), (307, 29404), (322, 29428), (330, 29440), (354, 29500), (400, 29590), (433, 29680), (443, 29704), (448, 29716), (479, 29782), (489, 29797), (509, 29821), (513, 29833),

Gene: Yoshi_18 Start: 12812, Stop: 13741, Start Num: 81

Candidate Starts for Yoshi_18:

(Start: 81 @12812 has 8 MA's), (120, 12872), (138, 12923), (186, 13022), (188, 13028), (194, 13043), (213, 13085), (247, 13163), (258, 13181), (291, 13247), (300, 13259), (321, 13304), (341, 13343), (343, 13349), (354, 13373), (355, 13376), (357, 13379), (398, 13457), (405, 13478), (406, 13481), (418, 13517), (431, 13544), (432, 13547), (450, 13586), (459, 13604), (462, 13610), (479, 13646), (483, 13652), (505, 13676), (508, 13682), (510, 13688),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 28

Candidate Starts for YoureAdopted_21:

(Start: 28 @15987 has 209 MA's), (54, 16104), (116, 16194), (Start: 123 @16215 has 1 MA's), (Start: 130 @16236 has 1 MA's), (141, 16263), (259, 16518), (301, 16599), (329, 16674), (333, 16689), (400, 16800), (416, 16842), (454, 16935), (467, 16959), (514, 17052), (523, 17091), (528, 17109),

Gene: Yummy_18 Start: 14308, Stop: 15279, Start Num: 92

Candidate Starts for Yummy_18:

(Start: 92 @14308 has 54 MA's), (117, 14353), (124, 14374), (Start: 129 @14389 has 22 MA's), (153, 14437), (161, 14461), (177, 14491), (212, 14569), (215, 14578), (216, 14581), (242, 14647), (262, 14695), (286, 14737), (310, 14785), (330, 14836), (354, 14896), (364, 14911), (366, 14914), (379, 14938), (405, 15010), (411, 15028), (431, 15079), (432, 15082), (445, 15112), (448, 15121), (453, 15136), (475, 15178), (483, 15193), (514, 15241), (518, 15265), (520, 15271),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 28

Candidate Starts for Yuna_22:

(Start: 28 @15278 has 209 MA's), (54, 15395), (101, 15458), (141, 15554), (189, 15656), (231, 15755), (259, 15809), (301, 15890), (366, 16043), (388, 16067), (416, 16133), (417, 16136), (418, 16139), (454, 16226), (509, 16328), (514, 16343), (523, 16382), (528, 16400),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 74

Candidate Starts for YungMoney_32:

(Start: 74 @26412 has 30 MA's), (Start: 129 @26508 has 22 MA's), (161, 26577), (164, 26583), (170, 26595), (172, 26598), (177, 26607), (184, 26622), (261, 26796), (276, 26829), (278, 26832), (341, 26949), (354, 26979), (415, 27114), (431, 27150), (448, 27192), (484, 27267), (505, 27288),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 28

Candidate Starts for Yunkel11_22:

(Start: 28 @15243 has 209 MA's), (54, 15360), (116, 15450), (Start: 123 @15471 has 1 MA's), (141, 15519), (259, 15774), (301, 15855), (329, 15930), (333, 15945), (400, 16056), (416, 16098), (449, 16176), (454, 16191), (467, 16215), (514, 16308), (523, 16347), (528, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 47

Candidate Starts for Yvonnetastic_44:

(Start: 47 @29619 has 2 MA's), (116, 29706), (140, 29772), (149, 29787), (152, 29793), (242, 29964), (269, 30021), (300, 30075), (310, 30099), (354, 30198), (366, 30216), (400, 30264), (411, 30282),

(418, 30306), (508, 30474),

Gene: ZAYM_18 Start: 16111, Stop: 16974, Start Num: 123

Candidate Starts for ZAYM_18:

(14, 15733), (17, 15784), (69, 16030), (Start: 88 @16048 has 13 MA's), (Start: 97 @16057 has 11 MA's), (120, 16099), (Start: 123 @16111 has 1 MA's), (220, 16333), (235, 16378), (251, 16402), (257, 16408), (262, 16423), (276, 16453), (310, 16513), (311, 16519), (342, 16579), (343, 16582), (354, 16606), (388, 16663), (418, 16750), (450, 16819), (476, 16873), (518, 16957),

Gene: Zabiza_23 Start: 16018, Stop: 17154, Start Num: 28

Candidate Starts for Zabiza_23:

(Start: 28 @16018 has 209 MA's), (54, 16135), (116, 16225), (Start: 123 @16246 has 1 MA's), (Start: 130 @16267 has 1 MA's), (141, 16294), (259, 16549), (301, 16630), (329, 16705), (333, 16720), (400, 16831), (416, 16873), (454, 16966), (467, 16990), (514, 17083), (523, 17122), (528, 17140),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 87

Candidate Starts for Zakai_17:

(Start: 87 @16068 has 65 MA's), (106, 16092), (120, 16122), (177, 16248), (217, 16320), (296, 16473), (298, 16476), (300, 16479), (311, 16509), (340, 16566), (352, 16590), (354, 16596), (390, 16665), (398, 16683), (407, 16704), (434, 16770), (465, 16833), (521, 16962), (524, 16974),

Gene: Zapner_19 Start: 13337, Stop: 14266, Start Num: 81

Candidate Starts for Zapner_19:

(Start: 81 @13337 has 8 MA's), (120, 13397), (138, 13448), (186, 13547), (188, 13553), (194, 13568), (247, 13688), (258, 13706), (291, 13772), (300, 13784), (321, 13829), (341, 13868), (343, 13874), (354, 13898), (355, 13901), (357, 13904), (364, 13913), (366, 13916), (398, 13982), (405, 14003), (406, 14006), (418, 14042), (431, 14069), (432, 14072), (450, 14111), (459, 14129), (462, 14135), (479, 14171), (483, 14177), (505, 14201), (508, 14207), (510, 14213),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 126

Candidate Starts for Zarbodnamra_18:

(Start: 126 @15786 has 6 MA's), (Start: 129 @15792 has 22 MA's), (200, 15948), (230, 16029), (281, 16128), (326, 16236), (356, 16320), (452, 16521), (483, 16563),

Gene: Zareef_21 Start: 15746, Stop: 16711, Start Num: 92

Candidate Starts for Zareef_21:

(Start: 92 @15746 has 54 MA's), (117, 15791), (Start: 129 @15827 has 22 MA's), (138, 15848), (153, 15875), (177, 15929), (212, 16010), (215, 16019), (216, 16022), (242, 16091), (262, 16139), (310, 16229), (316, 16244), (335, 16283), (405, 16439), (431, 16505), (432, 16508), (433, 16511), (445, 16538), (448, 16547), (459, 16571), (475, 16604), (484, 16622), (512, 16667), (518, 16697), (520, 16703),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 71

Candidate Starts for Zaria_17:

(Start: 71 @15861 has 9 MA's), (Start: 84 @15879 has 9 MA's), (106, 15903), (120, 15933), (124, 15948), (138, 15981), (217, 16125), (252, 16206), (298, 16281), (300, 16284), (302, 16290), (324, 16335), (335, 16362), (352, 16395), (354, 16401), (374, 16434), (382, 16443), (390, 16470), (441, 16590), (465, 16638), (510, 16704), (512, 16710), (521, 16749),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 28

Candidate Starts for Zavala_22:

(Start: 28 @15992 has 209 MA's), (54, 16109), (116, 16199), (Start: 123 @16220 has 1 MA's), (Start: 130 @16241 has 1 MA's), (141, 16268), (259, 16523), (301, 16604), (329, 16679), (333, 16694), (400,

16805), (416, 16847), (454, 16940), (467, 16964), (514, 17057), (523, 17096), (528, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 78

Candidate Starts for ZenTime222_18:

(Start: 78 @16018 has 8 MA's), (101, 16045), (111, 16063), (190, 16240), (191, 16243), (222, 16318), (255, 16384), (266, 16411), (298, 16468), (302, 16477), (412, 16714), (419, 16738), (470, 16837), (478, 16858), (491, 16879), (509, 16918), (512, 16927),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 87

Candidate Starts for ZhongYanYuan_16:

(Start: 87 @15899 has 65 MA's), (106, 15923), (120, 15953), (157, 16034), (177, 16079), (296, 16304), (298, 16307), (300, 16310), (311, 16340), (340, 16397), (354, 16427), (390, 16496), (398, 16514), (429, 16589), (434, 16601), (465, 16664), (479, 16691), (512, 16754), (521, 16793), (524, 16805),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 129

Candidate Starts for ZiggyZoo_17:

(Start: 126 @15577 has 6 MA's), (Start: 129 @15583 has 22 MA's), (200, 15739), (230, 15820), (281, 15919), (326, 16027), (356, 16111), (394, 16177), (411, 16222), (452, 16312), (483, 16354),

Gene: Ziko_55 Start: 27888, Stop: 28832, Start Num: 83

Candidate Starts for Ziko_55:

(Start: 81 @27885 has 8 MA's), (Start: 83 @27888 has 5 MA's), (143, 28008), (188, 28104), (228, 28206), (261, 28272), (270, 28293), (273, 28299), (300, 28350), (310, 28374), (354, 28467), (382, 28506), (420, 28617), (423, 28623), (426, 28632), (431, 28638), (445, 28671), (448, 28680), (451, 28689), (459, 28704), (507, 28779), (511, 28791), (515, 28803), (518, 28824),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 93

Candidate Starts for Zion_33:

(Start: 93 @28461 has 8 MA's), (107, 28485), (Start: 123 @28530 has 1 MA's), (149, 28590), (166, 28629), (210, 28725), (276, 28887), (297, 28920), (341, 28995), (350, 29019), (420, 29160), (439, 29196), (459, 29223), (492, 29280),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 53

Candidate Starts for Zipp_33:

(Start: 53 @29867 has 22 MA's), (116, 29954), (Start: 129 @29990 has 22 MA's), (148, 30026), (225, 30182), (227, 30185), (259, 30254), (292, 30317), (299, 30326), (331, 30416), (344, 30449), (345, 30452), (418, 30605), (436, 30647), (445, 30668), (464, 30695), (473, 30716), (476, 30725), (479, 30731), (508, 30764), (509, 30767), (520, 30812), (523, 30821), (527, 30833),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 53

Candidate Starts for Zitch_35:

(Start: 53 @27751 has 22 MA's), (112, 27826), (116, 27838), (Start: 129 @27874 has 22 MA's), (148, 27910), (193, 28012), (225, 28066), (259, 28138), (261, 28144), (292, 28201), (299, 28210), (320, 28267), (331, 28300), (344, 28333), (345, 28336), (418, 28489), (432, 28522), (436, 28531), (445, 28552), (464, 28579), (473, 28600), (476, 28609), (479, 28615), (508, 28648), (509, 28651), (523, 28705), (527, 28717),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for ZoMa_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385,

16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 31

Candidate Starts for ZoeJ_18:

(Start: 31 @13830 has 29 MA's), (32, 13839), (54, 13941), (116, 14031), (Start: 130 @14073 has 1 MA's), (131, 14076), (141, 14100), (188, 14199), (218, 14262), (231, 14301), (259, 14355), (300, 14433), (328, 14508), (366, 14586), (385, 14604), (400, 14634), (416, 14676), (417, 14679), (454, 14769), (467, 14793), (509, 14871), (514, 14886), (523, 14925), (528, 14943),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 28

Candidate Starts for Zombie_17:

(6, 15144), (Start: 28 @15477 has 209 MA's), (54, 15597), (65, 15615), (101, 15660), (105, 15666), (Start: 129 @15729 has 22 MA's), (145, 15765), (178, 15834), (180, 15837), (188, 15858), (216, 15912), (231, 15957), (249, 15987), (300, 16089), (305, 16101), (310, 16113), (314, 16131), (385, 16296), (400, 16326), (409, 16344), (416, 16368), (468, 16488), (514, 16578), (521, 16611),