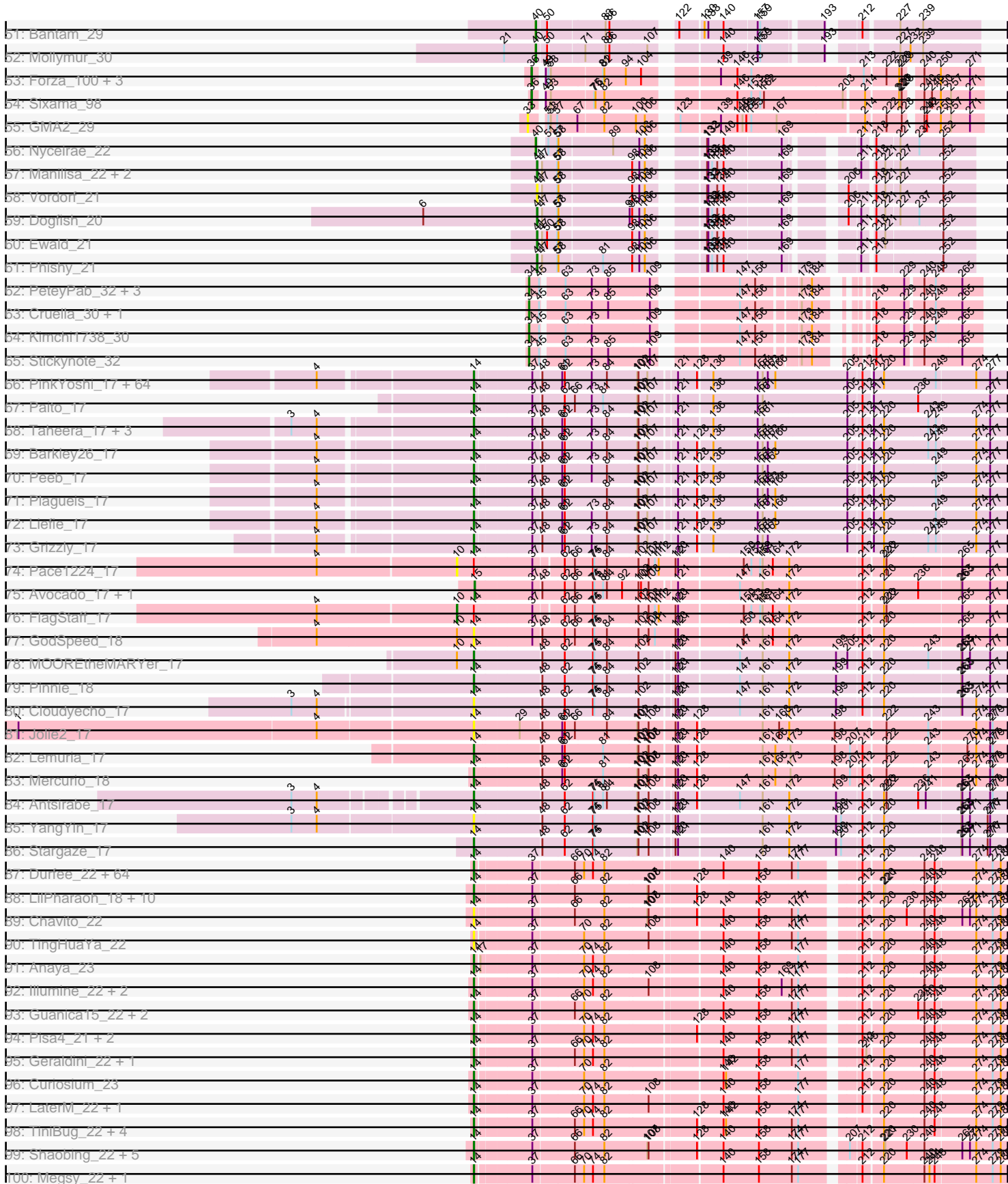


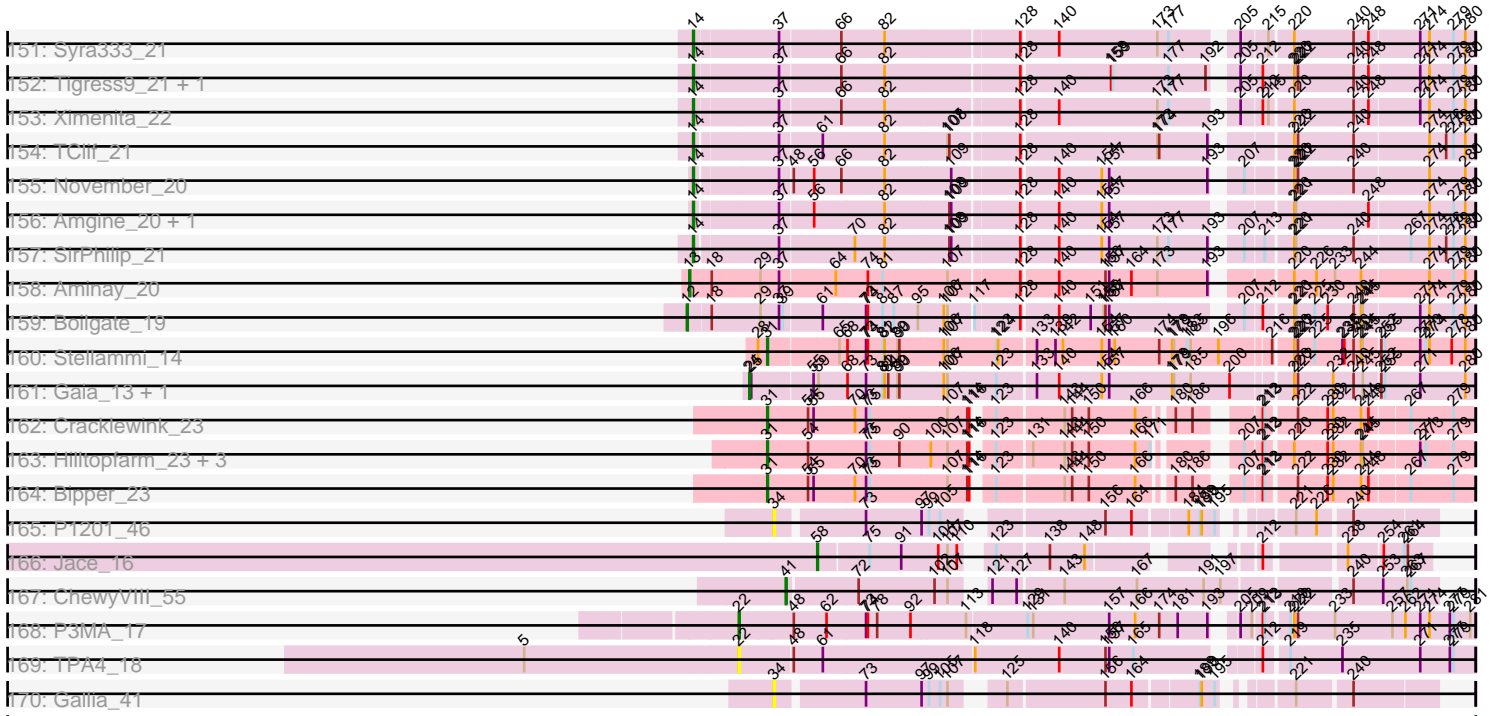
Pham 311084



Pham 311084

r01: LastHope_22	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r02: LeMond_21 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r03: Sunson_22 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r04: MarkPew_22	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r05: Apocalypse_22	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r06: Bella96_22 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r07: Chris_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r08: KISI_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r09: Valrus_22	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r10: Scarlett_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r11: Niob_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r12: Findley_18 + 5	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r13: ZoeJ_18	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r14: BoostSeason_18 + 2	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r15: TIM4_18	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r16: MacnCheese_22	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r17: Pixie_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r18: TBond007_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r19: Hurricane_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r20: ShedlockHolmes_21 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r21: Pharb_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r22: TribleTrouble_20	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r23: Reshu_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r24: Bobquesha_24 + 2	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r25: Kraw_23 + 7	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r26: SamScheppers_21 + 5	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r27: Reptar3000_23	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r28: Starp_23 + 2	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r29: Juliette_23 + 2	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r30: Qhanda_24	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r31: Omnicron_20	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r32: InvictusVlaneo_20 + 6	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r33: AlleyCat_20 + 4	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r34: SoSeph_20 + 2	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r35: Miryou_20 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r36: Kratio_19	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r37: Rando14_20	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r38: Guillsminger_20 + 2	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r39: Feyre_20 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r40: Dadosky_20	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r41: OkIRoe_20	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r42: Phrank_21 + 3	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r43: Unicorn_21 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r44: Yuna_22	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r45: ShadowI_20 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r46: EkdiIam_19	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r47: Elite_19 + 2	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r48: Amohniton_21	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r49: Marshawn_23	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280
r50: Hammy_21 + 1	4	4	31	61	70	82	108	128	140	158	177	193	212	220	240	248	274	280

Pham 311084



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 311084 Report

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

Pham number 311084 has 438 members, 46 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 : LongHai_21, Salvus_21
- Track 6 : JacoRen57_16
- Track 7 : Nergal_21
- Track 8 : MalagasyRose_23
- Track 9 : ClubL_47, Aphelion_47, Bachita_49, Toniann_47, Geeche_46, PhinkBoden_47, Cucurbita_49
- Track 10 : Dusty_46, Abscondus_46
- Track 11 : WilliamBoone_47
- Track 12 : Norvs_48, Smoothie_48, Culver_47
- Track 13 : Lozinak_47, Miskis_45, Engineer_48
- Track 14 : BrutonGaster_35
- Track 15 : OneUp_41
- Track 16 : Dalilpop_45
- Track 17 : Flapper_44
- Track 18 : Turuncu_44
- Track 19 : GRU1_30
- Track 20 : GTE5_31
- Track 21 : NosilaM_43
- Track 22 : GrootJr_42, Jifall16_39, Kurt_40, Emianna_40, Tracker_40, Arti_40, NatB6_40, NovumRegina_40, KidneyBean_40, Phomeo_39, Foxboro_41, Wheezy_40
- Track 23 : Outis_41, MerCougar_41, StarStruck_41
- Track 24 : Kabluna_43
- Track 25 : Bonum_43
- Track 26 : Buggaboo_41, SuperSulley_41
- Track 27 : GTE8_29
- Track 28 : Commandaria_42
- Track 29 : Ennea_46, Lollipop1437_45
- Track 30 : RedRaider_47
- Track 31 : Patio_43, Skysand_42, Float294_42
- Track 32 : Yndexa_42, BiPauneto_43, Sukkupi_42, Pemberton_44
- Track 33 : IDyn_41
- Track 34 : HubbaBubba_38

- Track 35 : WhoseManz_42
- Track 36 : Marietta_42
- Track 37 : NadineRae_40
- Track 38 : Pleakley_49, Fury_49
- Track 39 : Scuba_49
- Track 40 : HomeFry_46
- Track 41 : CoffeeBean_44, Maselop_44, Polyuyuki_44, Apiary_44, Braxoaddie_44
- Track 42 : Gagieri_44
- Track 43 : MacGully_49
- Track 44 : Cardigan_46
- Track 45 : Yvonnetastic_44, JonJames_46
- Track 46 : GodonK_88
- Track 47 : Phendrix_86
- Track 48 : SpeedDemon_310
- Track 49 : Towmatter_27, Daredevil_28
- Track 50 : DatBoi_30
- Track 51 : Bantam_29
- Track 52 : Mollymur_30
- Track 53 : Forza_100, Mareelih_98, BlueNGold_99, Boopy_100
- Track 54 : Sixama_98
- Track 55 : GMA2_29
- Track 56 : Nyceirae_22
- Track 57 : Manilisa_22, BabyMoney_20, Meyran_20
- Track 58 : Vordorf_21
- Track 59 : Dogfish_20
- Track 60 : Ewald_21
- Track 61 : Phishy_21
- Track 62 : PeteyPab_32, Zion_33, Darwin_33, PotatoChip_33
- Track 63 : Cruella_30, C3PO_30
- Track 64 : Kimchi1738_30
- Track 65 : Stickynote_32
- Track 66 : PinkYoshi_17, ForeverHowLong_17, DingDing_17, Jolene_17, Rattrick_17, CassieYates_17, Angel_17, OctaviousRex_17, ECartman_17, Phloodle_17, Avrafan_17, Sizemore_17, Schiebel_17, Hope_17, Hotshotbaby7_17, Marmie_17, Maliketh_17, Cedasite_17, Renaissance_17, AzulaCat_17, BPs_17, Jeilious_17, ZoMa_17, LouisV14_17, BQuat_17, DMoney_17, DNAllI_0017, Gideon_17, Neoh_17, Aroostook_17, Annihilator_17, Phreak_17, Kareem_17, Chance64_17, TomBrady_17, Primanti_17, Crespo_17, Darionha_17, Frosty24_17, Gomashi_17, Ruriko_17, AizenPogi_17, Sweets_17, Remy19_17, Kasen3_17, Richarlison_17, Halo_17, Mowgli_17, Olga_17, Zombie_17, MZKinsey_17, Camri_17, BruceB_17, JorRay_17, Cherrybomb426_17, CLED96_17, ShaboiShabazz_17, Periodt_17, Jane_17, Wendigo_17, Jonghyun_17, Phish_17, TinaBug_17, Coleslaw_17, GoldenAsh_17
- Track 67 : Paito_17
- Track 68 : Taheera_17, Rabbs_17, Terror_17, Sneeze_17
- Track 69 : Barkley26_17
- Track 70 : Peeb_17
- Track 71 : Plagueis_17
- Track 72 : Liefie_17
- Track 73 : Grizzly_17
- Track 74 : Pace1224_17
- Track 75 : Avocado_17, Cambiare_18
- Track 76 : FlagStaff_17

- Track 77 : GodSpeed_18
- Track 78 : MOOREtheMARYer_17
- Track 79 : Pinnie_18
- Track 80 : Cloudyecho_17
- Track 81 : Jolie2_17
- Track 82 : Lemuria_17
- Track 83 : Mercurio_18
- Track 84 : Antsirabe_17
- Track 85 : YangYin_17
- Track 86 : Stargaze_17
- Track 87 : Durfee_22, BaghaKamala_22, Joy99_22, Adonis_22, Zavala_22, HedwigODU_22, Inky_22, TreyKay_22, BGlluviae_22, Capricorn_22, CallaLilly_22, Veliki_22, Tachez_22, Sulley_22, Ramen_22, Rapunzel97_22, Pokerus_21, Beezoo_22, Boiiii_22, YoureAdopted_21, Belladonna_22, CheetoDust_22, Peel_22, Angelica_22, Jayhawk_22, Mynx_22, Asayake_22, Ganymede_23, AlishaPH_22, MacKat_22, Spock_22, Twitch_22, Emerson_22, CaseJules_22, BarrelRoll_22, Deby_22, Llorens_22, Piatt_22, JAWS_22, Prithvi_22, BEEST_22, CrimD_22, Jeckyll_22, Hyperbowlee_22, Jarvi_22, TruffulaTree_22, QuincyRose_21, Slimphazie_22, LindNT_22, Tiri_22, Adephagia_22, Dalmuri_22, Topper_22, CREW_22, ActinUp_22, Padpat_22, Blizzard_22, Atiba_22, Homura_22, Clipper_22, Padfoot_22, Rosmarinus_22, ShiaSurprise_22, Zabiza_22, Lunahalos_22
- Track 88 : LilPharaoh_18, Nutello_18, Teejan_18, SgtBeansprout_18, Mdavu_18, Trice_18, Enkosi_18, Amelie_18, Binglebops_18, Torres_18, Nikao_18
- Track 89 : Chavito_22
- Track 90 : TingHuaYa_22
- Track 91 : Anaya_23
- Track 92 : Illumine_22, Devera_22, Dole_22
- Track 93 : Guanica15_22, Yunkel11_22, Efra2_22
- Track 94 : Pisa4_21, Bern_22, Pisa1_21
- Track 95 : Geraldini_22, MeaningOfLife_22
- Track 96 : Curiosium_23
- Track 97 : LaterM_22, Murucutumbu_22
- Track 98 : TiniBug_22, Anma_22, SamuelLPlaqson_22, Urkel_22, DrHayes_22
- Track 99 : Shaobing_22, Dartin_22, McMater_22, Peanam_22, Richo_22, Niklas_22
- Track 100 : Megsy_22, TaiwanKao_23
- Track 101 : LastHope_22
- Track 102 : LeMond_21, Oscar_21
- Track 103 : Stinson_22, Ageofdapage_22
- Track 104 : MarkPhew_22
- Track 105 : Apocalypse_22
- Track 106 : Bella96_22, DartGoblin_22
- Track 107 : Chris_21
- Track 108 : KiSi_21
- Track 109 : Validus_22
- Track 110 : Scarlett_21
- Track 111 : Nibb_21
- Track 112 : Findley_18, Strobilo_18, DismalFunk_18, Milly_18, DismalStressor_18, Marcoliusprime_18
- Track 113 : ZoeJ_18
- Track 114 : BoostSeason_18, Doughnut_18, Mufasa_18
- Track 115 : TM4_18
- Track 116 : MacnCheese_22
- Track 117 : Pixie_21

- Track 118 : TBond007_21
- Track 119 : Hurricane_21
- Track 120 : ShedlockHolmes_21, Lea83_21
- Track 121 : Pharb_21
- Track 122 : TribbleTrouble_20
- Track 123 : Keshu_21
- Track 124 : Bobquesha_24, MissDaisy_23, Patt_23
- Track 125 : Kraw_23, Fionnbharth_23, Y10_23, JF1_23, YasnayaPolyana_23, Wintermute_23, Y2_23, Malthus_24
- Track 126 : SamScheppers_21, DanSyl44_24, Mitti_23, OmniCritical_23, Lebo14_23, Taquito_21
- Track 127 : Reptar3000_23
- Track 128 : Slarp_23, Cheetobro_23, Chancellor_23
- Track 129 : Juliette_23, Ruthiejr_22, Eponine_23
- Track 130 : Qhanda_24
- Track 131 : Omnicron_20
- Track 132 : InvictusManeo_20, ViviJ_19, Agent47_20, LilDirt_19, Collard_20, DoubleChamp_20, BananenDer11_20
- Track 133 : AlleyCat_20, Edugator_19, Neighly_20, Psycho_20, Larva_20
- Track 134 : SoSeph_20, Heftyboy_20, Gengar_20
- Track 135 : Miryou_20, Thyatira_20
- Track 136 : Kratio_19
- Track 137 : Rando14_20
- Track 138 : Guillsminger_20, Leston_20, Paola_20
- Track 139 : Feyre_20, Waterfoul_20
- Track 140 : Dadosky_20
- Track 141 : OkiRoe_20
- Track 142 : Phrank_21, Bryler_21, Cain_21, Tierra_21
- Track 143 : Unicorn_21, PhelpsODU_21
- Track 144 : Yuna_22
- Track 145 : Shadow1_20, Sunflower1121_20
- Track 146 : Ekdilam_19
- Track 147 : Ellie_19, Applecrisp_20, Fefferhead_21
- Track 148 : Amohntion_21
- Track 149 : Marshawn_23
- Track 150 : Hammy_21, DARTH_P_21
- Track 151 : Syra333_21
- Track 152 : Tigress9_21, Krueger_21
- Track 153 : Ximenita_22
- Track 154 : TClif_21
- Track 155 : November_20
- Track 156 : Amgine_20, Lavahound_20
- Track 157 : SirPhilip_21
- Track 158 : Aminay_20
- Track 159 : Boilgate_19
- Track 160 : Stellammi_14
- Track 161 : Gaia_13, Nebkiss_14
- Track 162 : Cracklewink_23
- Track 163 : Hilltopfarm_23, Faiyaz_23, AuntGwenStacy_23, Typha_23
- Track 164 : Bipper_23
- Track 165 : P1201_46
- Track 166 : Jace_16
- Track 167 : ChewyVIII_55

- Track 168 : P3MA_17
- Track 169 : TPA4_18
- Track 170 : Gallia_41

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

The start number called the most often in the published annotations is 14, it was called in 231 of the 392 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_22, Adephegia_22, Adonis_22, Ageofdapage_22, AizenPogi_17, AlishaPH_22, Amelie_18, Amgine_20, Amohnition_21, Anaya_23, Angel_17, Angelica_22, Anma_22, Annihilator_17, Antsirabe_17, Apocalypse_22, Applecrisp_20, Aroostook_17, Asayake_22, Atiba_22, Avrafan_17, AzulaCat_17, BEEST_22, BGlluviae_22, BPs_17, BQuat_17, BaghaKamala_22, Barkley26_17, BarrelRoll_22, Beezoo_22, Bella96_22, Belladonna_22, Bern_22, Biglebops_18, Blizzard_22, Bobquesha_24, Boiiii_22, BruceB_17, Bryler_21, CLED96_17, CREW_22, Cain_21, CallaLilly_22, Camri_17, Capricorn_22, CaseJules_22, CassieYates_17, Cedasite_17, Chance64_17, Chancellor_23, Chavito_22, CheetoDust_22, Cheetobro_23, Cherrybomb426_17, Chris_21, Clipper_22, Cloudyecho_17, Coleslaw_17, Crespo_17, CrimD_22, Curiosium_23, DMoney_17, DNAIII_0017, Dalmuri_22, DanSyl44_24, Darionha_17, DartGoblin_22, DarthP_21, Dartin_22, Deby_22, Devera_22, DingDing_17, Dole_22, DrHayes_22, Durfee_22, ECartman_17, Efra2_22, Ekdilam_19, Ellie_19, Emerson_22, Enkosi_18, Eponine_23, Fefferhead_21, Fionnbharth_23, ForeverHowLong_17, Frosty24_17, Ganymede_23, Geraldini_22, Gideon_17, GodSpeed_18, GoldenAsh_17, Gomashi_17, Grizzly_17, Guanica15_22, Halo_17, Hammy_21, HedwigODU_22, Homura_22, Hope_17, Hotshotbaby7_17, Hyperbowlee_22, Illumine_22, Inky_22, JAWS_22, JF1_23, Jane_17, Jarvi_22, Jayhawk_22, Jeckyll_22, Jeilious_17, Jolene_17, Jolie2_17, Jonghyun_17, JorRay_17, Joy99_22, Juliette_23, Kareem_17, Kasen3_17, KiSi_21, Kraw_23, Krueger_21, LastHope_22, LaterM_22, Lavahound_20, LeMond_21, Lebo14_23, Lemuria_17, Liefie_17, LilPharaoh_18, LindNT_22, Llorens_22, LouisV14_17, Lunahalos_22, MOOREtheMARYer_17, MZKinsey_17, MacKat_22, Maliketh_17, Malthus_24, MarkPhew_22, Marmie_17, Marshawn_23, McMater_22, Mdavu_18, MeaningOfLife_22, Megsy_22, Mercurio_18, MissDaisy_23, Mitti_23, Mowgli_17, Murucutumbu_22, Mynx_22, Neoh_17, Nibb_21, Nikao_18, Niklas_22, November_20, 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, PhelpsODU_21, Phish_17, Phloodle_17, Phrank_21, Phreak_17, Piatt_22, PinkYoshi_17, Pinnie_18, Pisa1_21, Pisa4_21, Plagueis_17, Pokerus_21, Primanti_17, Prithvi_22, QuincyRose_21, Rabbs_17, Ramen_22, Rapunzel97_22, Rattrick_17, Remy19_17, Renaissance_17, Reptar3000_23, Richarlison_17, Richo_22, Rosmarinus_22, Ruriko_17, Ruthiejr_22, SamScheppers_21, SamuelLPlaqson_22, Scarlett_21, Schiebel_17, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22, 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, TClif_21, Tachez_22, Taheera_17, TaiwanKao_23, Taquito_21, Teejan_18, Terror_17, Tierra_21, Tigress9_21, TinaBug_17, TingHuaYa_22, TiniBug_22, Tiri_22, TomBrady_17, Topper_22, Torres_18, TreyKay_22, Trice_18,

TruffulaTree_22, Twitch_22, Unicorn_21, Urkel_22, Validus_22, Veliki_22, Wendigo_17, Wintermute_23, Ximenita_22, Y10_23, Y2_23, YangYin_17, YasnayaPolyana_23, YoureAdopted_21, Yuna_22, Yunkel11_22, Zabiza_22, Zavala_22, ZoMa_17, Zombie_17,

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

- FlagStaff_17, Pace1224_17, Qhanda_24,

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

- 8UZL_20, Abscondus_46, Agent47_20, AlleyCat_20, Aminay_20, Aphelion_47, Apiary_44, Arti_40, AuntGwenStacy_23, Avocado_17, BabyMoney_20, Bachita_49, BananenDer11_20, Bantam_29, BiPauneto_43, Bipper_23, BlueNGold_99, Boilgate_19, Bonum_43, Boopy_100, BoostSeason_18, Braxoaddie_44, BrutonGaster_35, Buggaboo_41, C3PO_30, Cambiare_18, Cardigan_46, ChewyVIII_55, ClubL_47, CoffeeBean_44, Collard_20, Commandaria_42, Cracklewink_23, Cruella_30, Cucurbita_49, Culver_47, Dadosky_20, Dalilpop_45, Daredevil_28, Darwin_33, DatBoi_30, DismalFunk_18, DismalStressor_18, Dogfish_20, DoubleChamp_20, Doughnut_18, Dusty_46, Edugator_19, Emianna_40, Engineer_48, Ennea_46, Ewald_21, FF47_20, Faiyaz_23, Feyre_20, Findley_18, Flapper_44, Float294_42, Forza_100, Foxboro_41, Fury_49, GMA2_29, GRU1_30, GTE5_31, GTE8_29, Gagieri_44, Gaia_13, Gallia_41, Geeche_46, Gengar_20, GodonK_88, GrootJr_42, Guillsminger_20, Heftyboy_20, Hilltopfarm_23, HomeFry_46, HubbaBubba_38, Hurricane_21, IDyn_41, InvictusManeo_20, Jace_16, JacoRen57_16, Jifall16_39, JonJames_46, Kabluna_43, Keshu_21, KidneyBean_40, Kimchi1738_30, Kratio_19, Kurt_40, Larva_20, Lea83_21, Leston_20, LiIDirt_19, Lollipop1437_45, LongHai_21, Lozinak_47, MacGully_49, MacnCheese_22, Maco6_18, MalagasyRose_23, Manilisa_22, Marcoliusprime_18, Mareelih_98, Marietta_42, Maselop_44, MerCougar_41, Meyran_20, Milly_18, Miryou_20, Miskis_45, Mollymur_30, Muddy_20, Mufasa_18, NadineRae_40, NatB6_40, Nebkiss_14, Neighly_20, Nergal_21, NoShow_17, Norvs_48, NosilaM_43, NovumRegina_40, Nyceirae_22, OkiRoe_20, Omnicron_20, OneUp_41, Outis_41, P1201_46, P3MA_17, Paola_20, Patio_43, Pemberton_44, PeteyPab_32, Pharb_21, Phendrix_86, PhinkBoden_47, Phishy_21, Phomeo_39, Pixie_21, Pleakley_49, Polyyuki_44, PotatoChip_33, Psycho_20, Rando14_20, RedRaider_47, Salvus_21, Scuba_49, ShedlockHolmes_21, Sixama_98, Skysand_42, Smoothie_48, SoSeph_20, SpeedDemon_310, StarStruck_41, Stellammi_14, Stickynote_32, Strobilo_18, Sukkupi_42, SuperSulley_41, TBond007_21, TM4_18, TPA4_18, Thyatira_20, Toniann_47, Towmatter_27, Tracker_40, TribbleTrouble_20, Turuncu_44, Typha_23, ViviJ_19, Vordorf_21, Waterfoul_20, Wheezy_40, WhoseManz_42, WilliamBoone_47, Yndexa_42, Yvonnestic_44, Zion_33, ZoeJ_18,

Summary by start number:

Start 10:

- Found in 4 of 438 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 392
- Called 50.0% of time when present
- Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 12:

- Found in 1 of 438 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 392
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 13:

- Found in 10 of 438 (2.3%) of genes in pham
- Manual Annotations of this start: 10 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_20 (K7), Hurricane_21 (K3), Keshu_21 (K3), Lea83_21 (K3), MacnCheese_22 (K3), Pharb_21 (K3), Pixie_21 (K3), ShedlockHolmes_21 (K3), TBond007_21 (K3), TripleTrouble_20 (K3),

Start 14:

- Found in 258 of 438 (58.9%) of genes in pham
- Manual Annotations of this start: 231 of 392
- Called 98.8% of time when present
- Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AizenPogi_17 (G1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Anma_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Applecrisp_20 (K6), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), AzulaCat_17 (G1), BEEST_22 (K1), BGlluviae_22 (K1), BPs_17 (G1), BQuat_17 (G1), BaghaKamala_22 (K1), Barkley26_17 (G1), BarrelRoll_22 (K1), Beezoo_22 (K1), Bella96_22 (K1), Belladonna_22 (K1), Bern_22 (K1), Binglebops_18 (K1), Blizzard_22 (K1), Bobquesha_24 (K4), Boiiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), CallaLilly_22 (K1), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), Chavito_22 (K1), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Clipper_22 (K1), Cloudyecho_17 (G3), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAllI_0017 (G1), Dalmuri_22 (K1), DanSyl44_24 (K4), Darionha_17 (G1), DartGoblin_22 (K1), DarthP_21 (K6), Dartin_22 (K1), Deby_22 (K1), Devera_22 (K1), DingDing_17 (G1), Dole_22 (K1), DrHayes_22 (K1), Durfee_22 (K1), ECartman_17 (G1), Efra2_22 (K1), Ekdilam_19 (K6), Ellie_19 (K6), Emerson_22 (K1), Enkosi_18 (K1), Eponine_23 (K4), Fefferhead_21 (K6), Fionnbharth_23 (K4), ForeverHowLong_17 (G1), Frosty24_17 (G1), Ganymede_23 (K1), Geraldini_22 (K1), Gideon_17 (G1), GodSpeed_18 (G2), GoldenAsh_17 (G1), Gomashi_17 (G1), Grizzly_17 (G1), Guanica15_22 (K1), Halo_17 (G1), Hammy_21 (K6), HedwigODU_22 (K1), Homura_22 (K1), Hope_17 (G1), Hotshotbaby7_17 (G1), Hyperbowlee_22 (K1), Illumine_22 (K1), Inky_22 (K1), JAWS_22 (K1), JF1_23 (K4), Jane_17 (G1), Jarvi_22 (K1), Jayhawk_22 (K1), Jeckyll_22 (K1), Jeilious_17 (G), Jolene_17 (G1), Jolie2_17 (G4), Jonghyun_17 (G1), JorRay_17 (G1), Joy99_22 (K1), Juliette_23 (K4), Kareem_17 (G1), Kasen3_17 (G1), KiSi_21 (K1), Kraw_23 (K4), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1), Lavahound_20 (K6), LeMond_21 (K1), Lebo14_23 (K4), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MZKinsey_17 (G1), MacKat_22 (K1), Maliketh_17 (G1), Malthus_24 (K4), MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), McMater_22 (K1), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_22 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Neoh_17 (G), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), November_20 (K6), Nutello_18 (K1), OctaviousRex_17 (G1), Olga_17 (G1), OmniCritical_23 (K4), Oscar_21 (K1), Padfoot_22 (K1), Padpat_22 (K1), Paito_17 (G1), Patt_23 (K4), Peanam_22 (K1), Peeb_17 (G1), Peel_22 (K1), Periodt_17 (G1), PhelpsODU_21 (K6), Phish_17 (G1), Phloodle_17 (G1), Phrank_21

(K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pisa1_21 (K1), Pisa4_21 (K1), Plagueis_17 (G1), Pokerus_21 (K1), Primanti_17 (G1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Rattrick_17 (G1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Richarlison_17 (G1), Richo_22 (K1), Rosmarinus_22 (K1), Ruriko_17 (G1), Ruthiejr_22 (K4), SamScheppers_21 (K4), SamuelLPlaqson_22 (K1), Scarlett_21 (K1), Schiebel_17 (G1), SgtBeansprout_18 (K1), ShaboiShabazz_17 (G1), Shadow1_20 (K6), Shaobing_22 (K1), 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), TClif_21 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Teejan_18 (K1), Terror_17 (G1), Tierra_21 (K6), Tigress9_21 (K6), TinaBug_17 (G1), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), Trice_18 (K1), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wendigo_17 (G1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YangYin_17 (G5), YasnayaPolyana_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_22 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 15:

- Found in 2 of 438 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 16:

- Found in 8 of 438 (1.8%) of genes in pham
- Manual Annotations of this start: 4 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), LongHai_21 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB), Salvus_21 (AB),

Start 17:

- Found in 39 of 438 (8.9%) of genes in pham
- Manual Annotations of this start: 36 of 392
- Called 97.4% of time when present
- Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), BananenDer11_20 (K5), BoostSeason_18 (K2), Collard_20 (K5), Dadosky_20 (K5), DismalFunk_18 (K2), DismalStressor_18 (K2), DoubleChamp_20 (K5), Doughnut_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), LiIDirt_19 (K5), Marcoliusprime_18 (K2), Milly_18 (K2), Miryou_20 (K5), Mufasa_18 (K2), Neighly_20 (K3), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Strobilo_18 (K2), TM4_18 (K2), Thyatira_20 (K5), ViviJ_19 (K5), Waterfoul_20 (K5), ZoeJ_18 (K2),

Start 18:

- Found in 35 of 438 (8.0%) of genes in pham
- No Manual Annotations of this start.
- Called 2.9% of time when present

- Phage (with cluster) where this start called: Qhanda_24 (K4),

Start 20:

- Found in 1 of 438 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_21 (AG),

Start 22:

- Found in 2 of 438 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P3MA_17 (singleton), TPA4_18 (singleton),

Start 24:

- Found in 2 of 438 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 26:

- Found in 1 of 438 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_23 (AG),

Start 31:

- Found in 7 of 438 (1.6%) of genes in pham
- Manual Annotations of this start: 7 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Faiyaz_23 (Y), Hilltopfarm_23 (Y), Stellammi_14 (UNK), Typha_23 (Y),

Start 32:

- Found in 2 of 438 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_88 (DK), Phendrix_86 (DK),

Start 33:

- Found in 4 of 438 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_46 (DD), GMA2_29 (DS), JonJames_46 (DD), Yvonnetastic_44 (DD),

Start 34:

- Found in 10 of 438 (2.3%) of genes in pham
- Manual Annotations of this start: 8 of 392
- Called 100.0% of time when present

- Phage (with cluster) where this start called: C3PO_30 (EN), Cruella_30 (EN), Darwin_33 (EN), Gallia_41 (singleton), Kimchi1738_30 (EN), P1201_46 (singleton), PeteyPab_32 (EN), PotatoChip_33 (EN), StickyNote_32 (EN), Zion_33 (EN),

Start 36:

- Found in 5 of 438 (1.1%) of genes in pham
- Manual Annotations of this start: 5 of 392
- Called 100.0% 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 40:

- Found in 16 of 438 (3.7%) of genes in pham
- Manual Annotations of this start: 11 of 392
- Called 68.8% of time when present
- Phage (with cluster) where this start called: Bantam_29 (DL), Culver_47 (CQ1), Daredevil_28 (DL), DatBoi_30 (DL), Mollymur_30 (DL), Norvs_48 (CQ1), Nyceirae_22 (DT), Smoothie_48 (CQ1), SpeedDemon_310 (DL), Towmatter_27 (DL), WilliamBoone_47 (CQ1),

Start 41:

- Found in 11 of 438 (2.5%) of genes in pham
- Manual Annotations of this start: 6 of 392
- Called 81.8% of time when present
- Phage (with cluster) where this start called: BabyMoney_20 (DT), ChewyVIII_55 (singleton), Dogfish_20 (DT), Ewald_21 (DT), Manilisa_22 (DT), Meyran_20 (DT), OneUp_41 (CQ2), Phishy_21 (DT), Vordorf_21 (DT),

Start 42:

- Found in 5 of 438 (1.1%) of genes in pham
- Manual Annotations of this start: 5 of 392
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_44 (CR6), Braxoaddie_44 (CR6), CoffeeBean_44 (CR6), Maselop_44 (CR6), Polyuyuki_44 (CR6),

Start 43:

- Found in 17 of 438 (3.9%) of genes in pham
- Manual Annotations of this start: 12 of 392
- Called 76.5% of time when present
- Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_46 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Miskis_45 (CQ1), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 44:

- Found in 31 of 438 (7.1%) of genes in pham
- Manual Annotations of this start: 27 of 392
- 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), HomeFry_46 (CR5), 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), RedRaider_47 (CR3), Scuba_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 46:

- Found in 6 of 438 (1.4%) of genes in pham
- Manual Annotations of this start: 6 of 392
- Called 100.0% 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 49:

- Found in 15 of 438 (3.4%) of genes in pham
- Manual Annotations of this start: 8 of 392
- Called 60.0% of time when present
- Phage (with cluster) where this start called: BiPauneto_43 (CR4), HubbaBubba_38 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Pemberton_44 (CR4), Sukkupi_42 (CR4), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 58:

- Found in 15 of 438 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 392
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Jace_16 (singleton),

Start 60:

- Found in 27 of 438 (6.2%) of genes in pham
- Manual Annotations of this start: 2 of 392
- Called 7.4% of time when present
- Phage (with cluster) where this start called: Gagieri_44 (CR6), MacGully_49 (CR7),

Summary by clusters:

There are 35 clusters represented in this pham: singleton, DK, DD, DL, K3, K2, K1, AB, K7, K6, K5, K4, DT, K8, DS, G5, G4, G3, G2, G1, CQ2, CQ1, EN, AG, G, Y, X, UNK, CR2, CR3, CR1, CR6, CR7, CR4, CR5,

Info for manual annotations of cluster AB:

- Start number 16 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 20 was manually annotated 1 time for cluster AG.
- Start number 26 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster CQ1:

- Start number 40 was manually annotated 4 times for cluster CQ1.
- Start number 43 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 41 was manually annotated 1 time for cluster CQ2.
- Start number 43 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 44 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 44 was manually annotated 15 times for cluster CR2.
- Start number 46 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 44 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 49 was manually annotated 8 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 44 was manually annotated 3 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 42 was manually annotated 5 times for cluster CR6.
- Start number 60 was manually annotated 1 time for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 60 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster DD:

- Start number 33 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DK:

- Start number 32 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 40 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DS:

- Start number 36 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 40 was manually annotated 1 time for cluster DT.
- Start number 41 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster EN:

- Start number 34 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster G:

- Start number 14 was manually annotated 1 time for cluster G.

Info for manual annotations of cluster G1:

- Start number 14 was manually annotated 67 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 10 was manually annotated 1 time for cluster G2.
- Start number 15 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 14 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 14 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 14 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 14 was manually annotated 109 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 17 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 13 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 14 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 17 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 14 was manually annotated 26 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 13 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 12 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster UNK:

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

Info for manual annotations of cluster X:

- Start number 24 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 31 was manually annotated 6 times for cluster Y.

Gene Information:

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 16

Candidate Starts for 8UZL_20:

(Start: 16 @14891 has 4 MA's), (19, 14939), (Start: 58 @15047 has 1 MA's), (61, 15056), (75, 15125), (78, 15137), (83, 15152), (120, 15299), (141, 15407), (157, 15482), (160, 15491), (167, 15527), (182, 15596), (193, 15638), (212, 15683), (215, 15692), (224, 15749), (252, 15854), (277, 15965),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 43

Candidate Starts for Abscondus_46:

(Start: 40 @28434 has 11 MA's), (Start: 43 @28440 has 12 MA's), (Start: 60 @28488 has 2 MA's), (66, 28515), (83, 28587), (107, 28683), (137, 28791), (157, 28884), (163, 28908), (165, 28923), (193, 29019), (212, 29067), (256, 29247), (268, 29283),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 14

Candidate Starts for ActinUp_22:

(Start: 14 @16020 has 231 MA's), (37, 16137), (66, 16227), (70, 16248), (74, 16269), (82, 16296), (140, 16551), (158, 16632), (174, 16707), (177, 16722), (212, 16833), (220, 16875), (240, 16968), (248, 16992), (274, 17085), (279, 17124), (280, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 14

Candidate Starts for Adephagia_22:

(Start: 14 @16017 has 231 MA's), (37, 16134), (66, 16224), (70, 16245), (74, 16266), (82, 16293), (140, 16548), (158, 16629), (174, 16704), (177, 16719), (212, 16830), (220, 16872), (240, 16965), (248, 16989), (274, 17082), (279, 17121), (280, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 14

Candidate Starts for Adonis_22:

(Start: 14 @16023 has 231 MA's), (37, 16140), (66, 16230), (70, 16251), (74, 16272), (82, 16299), (140, 16554), (158, 16635), (174, 16710), (177, 16725), (212, 16836), (220, 16878), (240, 16971), (248, 16995), (274, 17088), (279, 17127), (280, 17145),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 17

Candidate Starts for Agent47_20:

(Start: 17 @16419 has 36 MA's), (61, 16593), (73, 16659), (74, 16662), (82, 16689), (107, 16788), (128, 16890), (140, 16944), (146, 16974), (154, 17010), (155, 17013), (157, 17022), (173, 17097), (174, 17100), (182, 17136), (193, 17178), (205, 17196), (207, 17202), (212, 17226), (213, 17229), (220, 17268), (274, 17478), (279, 17517), (280, 17535),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 14

Candidate Starts for Ageofdapage_22:

(Start: 14 @15951 has 231 MA's), (37, 16068), (70, 16179), (74, 16200), (82, 16227), (108, 16329), (140, 16482), (158, 16563), (174, 16638), (177, 16653), (212, 16764), (220, 16806), (240, 16899), (248, 16923), (274, 17016), (279, 17055), (280, 17073),

Gene: AizenPogi_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for AizenPogi_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 14

Candidate Starts for AlishaPH_22:

(Start: 14 @16010 has 231 MA's), (37, 16127), (66, 16217), (70, 16238), (74, 16259), (82, 16286), (140, 16541), (158, 16622), (174, 16697), (177, 16712), (212, 16823), (220, 16865), (240, 16958), (248, 16982), (274, 17075), (279, 17114), (280, 17132),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 17

Candidate Starts for AlleyCat_20:

(Start: 17 @16301 has 36 MA's), (61, 16475), (73, 16541), (82, 16571), (107, 16670), (128, 16772), (140, 16826), (146, 16856), (154, 16892), (155, 16895), (157, 16904), (173, 16979), (174, 16982),

(182, 17018), (193, 17060), (205, 17078), (207, 17084), (212, 17108), (213, 17111), (220, 17150), (243, 17252), (274, 17360), (279, 17399), (280, 17417),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Amelie_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 14

Candidate Starts for Amgine_20:

(Start: 14 @16119 has 231 MA's), (37, 16236), (56, 16287), (82, 16395), (108, 16497), (109, 16500), (128, 16596), (140, 16650), (154, 16716), (157, 16728), (220, 16974), (221, 16977), (248, 17091), (274, 17184), (279, 17223), (280, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 13

Candidate Starts for Aminay_20:

(Start: 13 @16296 has 10 MA's), (18, 16320), (29, 16392), (37, 16422), (64, 16506), (74, 16554), (81, 16578), (107, 16680), (128, 16782), (140, 16836), (156, 16905), (157, 16911), (164, 16947), (173, 16986), (193, 17064), (220, 17154), (226, 17190), (233, 17220), (244, 17259), (274, 17364), (279, 17403), (280, 17421),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 14

Candidate Starts for Amohnition_21:

(Start: 14 @16493 has 231 MA's), (37, 16610), (48, 16628), (56, 16661), (66, 16700), (82, 16769), (107, 16868), (109, 16874), (128, 16970), (140, 17024), (154, 17090), (157, 17102), (173, 17177), (193, 17258), (207, 17282), (220, 17348), (221, 17351), (240, 17441), (274, 17558), (279, 17597), (280, 17615),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 14

Candidate Starts for Anaya_23:

(Start: 14 @16036 has 231 MA's), (Start: 17 @16042 has 36 MA's), (37, 16153), (70, 16264), (74, 16285), (82, 16312), (140, 16567), (158, 16648), (177, 16738), (212, 16849), (220, 16891), (240, 16984), (248, 17008), (274, 17101), (279, 17140), (280, 17158),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Angel_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 14

Candidate Starts for Angelica_22:

(Start: 14 @15985 has 231 MA's), (37, 16102), (66, 16192), (70, 16213), (74, 16234), (82, 16261), (140, 16516), (158, 16597), (174, 16672), (177, 16687), (212, 16798), (220, 16840), (240, 16933), (248, 16957), (274, 17050), (279, 17089), (280, 17107),

Gene: Anma_22 Start: 15965, Stop: 17101, Start Num: 14

Candidate Starts for Anma_22:

(Start: 14 @15965 has 231 MA's), (37, 16082), (66, 16172), (70, 16193), (74, 16214), (82, 16241), (128, 16442), (140, 16496), (142, 16502), (158, 16577), (174, 16652), (177, 16667), (220, 16820), (240, 16913), (248, 16937), (274, 17030), (279, 17069), (280, 17087),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 14

Candidate Starts for Annihilator_17:

(4, 15135), (Start: 14 @15468 has 231 MA's), (37, 15588), (48, 15606), (61, 15651), (62, 15657), (73, 15720), (84, 15756), (101, 15825), (102, 15828), (107, 15849), (121, 15903), (128, 15948), (136, 15978), (157, 16080), (161, 16092), (163, 16104), (166, 16122), (205, 16287), (212, 16317), (217, 16335), (220, 16359), (249, 16479), (274, 16569), (277, 16602),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 14

Candidate Starts for Antsirabe_17:

(3, 15441), (4, 15501), (Start: 14 @15810 has 231 MA's), (48, 15951), (62, 16002), (74, 16068), (75, 16071), (81, 16092), (84, 16101), (101, 16170), (102, 16173), (108, 16197), (120, 16242), (121, 16248), (128, 16293), (147, 16383), (161, 16437), (172, 16497), (199, 16605), (212, 16662), (220, 16704), (222, 16710), (236, 16782), (241, 16800), (263, 16878), (265, 16881), (271, 16899), (277, 16947), (279, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 43

Candidate Starts for Aphelion_47:

(Start: 43 @28709 has 12 MA's), (Start: 60 @28757 has 2 MA's), (66, 28784), (83, 28856), (99, 28922), (107, 28952), (137, 29060), (157, 29153), (163, 29177), (165, 29192), (193, 29288), (212, 29336), (256, 29516), (268, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 42

Candidate Starts for Apiary_44:

(Start: 42 @30416 has 5 MA's), (Start: 60 @30452 has 2 MA's), (89, 30569), (97, 30608), (102, 30626), (121, 30677), (140, 30776), (157, 30851), (160, 30860), (175, 30935), (181, 30956), (214, 31094), (220, 31130), (227, 31169), (240, 31211), (258, 31274), (270, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 14

Candidate Starts for Apocalypse_22:

(Start: 14 @15988 has 231 MA's), (37, 16105), (66, 16195), (70, 16216), (74, 16237), (82, 16264), (126, 16453), (140, 16519), (158, 16600), (174, 16675), (177, 16690), (212, 16801), (220, 16843), (240, 16936), (248, 16960), (274, 17053), (279, 17092), (280, 17110),

Gene: Applecrisp_20 Start: 16530, Stop: 17666, Start Num: 14

Candidate Starts for Applecrisp_20:

(Start: 14 @16530 has 231 MA's), (37, 16647), (56, 16698), (82, 16806), (108, 16908), (109, 16911), (128, 17007), (140, 17061), (154, 17127), (157, 17139), (220, 17385), (221, 17388), (274, 17595), (279, 17634), (280, 17652),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Aroostook_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 44

Candidate Starts for Arti_40:

(Start: 44 @28866 has 27 MA's), (69, 28953), (89, 29028), (105, 29094), (121, 29136), (131, 29193), (181, 29406), (187, 29433), (214, 29544), (240, 29676), (270, 29772),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Asayake_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 14

Candidate Starts for Atiba_22:

(Start: 14 @15980 has 231 MA's), (37, 16097), (66, 16187), (70, 16208), (74, 16229), (82, 16256), (140, 16511), (158, 16592), (174, 16667), (177, 16682), (212, 16793), (220, 16835), (240, 16928), (248, 16952), (274, 17045), (279, 17084), (280, 17102),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 31

Candidate Starts for AuntGwenStacy_23:

(Start: 31 @18613 has 7 MA's), (54, 18679), (73, 18769), (75, 18775), (90, 18823), (100, 18871), (107, 18898), (114, 18925), (116, 18928), (123, 18949), (131, 19000), (143, 19051), (144, 19060), (150, 19087), (166, 19162), (171, 19186), (207, 19276), (212, 19300), (213, 19303), (220, 19339), (230, 19393), (232, 19402), (244, 19444), (245, 19447), (271, 19528), (273, 19537), (279, 19582),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 15

Candidate Starts for Avocado_17:

(Start: 15 @15733 has 2 MA's), (37, 15862), (48, 15880), (62, 15931), (66, 15955), (74, 15997), (75, 16000), (81, 16021), (84, 16030), (92, 16066), (102, 16102), (104, 16108), (108, 16126), (121, 16177), (147, 16312), (161, 16366), (172, 16426), (212, 16591), (220, 16633), (236, 16711), (263, 16807), (265, 16810), (277, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Avrafan_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for AzulaCat_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for BEEST_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for BGlluviae_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for BPs_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 14

Candidate Starts for BQuat_17:

(4, 15135), (Start: 14 @15468 has 231 MA's), (37, 15588), (48, 15606), (61, 15651), (62, 15657), (73, 15720), (84, 15756), (101, 15825), (102, 15828), (107, 15849), (121, 15903), (128, 15948), (136, 15978), (157, 16080), (161, 16092), (163, 16104), (166, 16122), (205, 16287), (212, 16317), (217, 16335), (220, 16359), (249, 16479), (274, 16569), (277, 16602),

Gene: BabyMoney_20 Start: 17148, Stop: 18008, Start Num: 41

Candidate Starts for BabyMoney_20:

(Start: 41 @17148 has 6 MA's), (47, 17154), (57, 17190), (Start: 58 @17193 has 1 MA's), (98, 17361), (103, 17376), (106, 17388), (132, 17484), (133, 17487), (135, 17496), (138, 17508), (140, 17523), (169, 17652), (211, 17772), (218, 17793), (221, 17814), (227, 17844), (252, 17934),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 43

Candidate Starts for Bachita_49:

(Start: 43 @29142 has 12 MA's), (Start: 60 @29190 has 2 MA's), (66, 29217), (83, 29289), (99, 29355), (107, 29385), (137, 29493), (157, 29586), (163, 29610), (165, 29625), (193, 29721), (212, 29769), (256, 29949), (268, 29985),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 14

Candidate Starts for BaghaKamala_22:

(Start: 14 @15980 has 231 MA's), (37, 16097), (66, 16187), (70, 16208), (74, 16229), (82, 16256), (140, 16511), (158, 16592), (174, 16667), (177, 16682), (212, 16793), (220, 16835), (240, 16928), (248, 16952), (274, 17045), (279, 17084), (280, 17102),

Gene: BananenDer11_20 Start: 16380, Stop: 17510, Start Num: 17

Candidate Starts for BananenDer11_20:

(Start: 17 @16380 has 36 MA's), (61, 16554), (73, 16620), (74, 16623), (82, 16650), (107, 16749), (128, 16851), (140, 16905), (146, 16935), (154, 16971), (155, 16974), (157, 16983), (173, 17058), (174, 17061), (182, 17097), (193, 17139), (205, 17157), (207, 17163), (212, 17187), (213, 17190), (220, 17229), (274, 17439), (279, 17478), (280, 17496),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 40

Candidate Starts for Bantam_29:

(Start: 40 @26180 has 11 MA's), (50, 26201), (83, 26327), (86, 26336), (122, 26456), (130, 26507), (133, 26516), (140, 26552), (157, 26624), (159, 26630), (193, 26759), (212, 26807), (227, 26882), (239, 26930),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 14

Candidate Starts for Barkley26_17:

(4, 15147), (Start: 14 @15480 has 231 MA's), (37, 15600), (48, 15618), (61, 15663), (62, 15669), (73, 15732), (84, 15768), (101, 15837), (102, 15840), (107, 15861), (121, 15915), (128, 15960), (136, 15990), (157, 16092), (161, 16104), (163, 16116), (166, 16134), (205, 16299), (212, 16329), (217, 16347), (220, 16371), (243, 16473), (249, 16491), (274, 16581), (277, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 14

Candidate Starts for BarrelRoll_22:

(Start: 14 @16003 has 231 MA's), (37, 16120), (66, 16210), (70, 16231), (74, 16252), (82, 16279), (140, 16534), (158, 16615), (174, 16690), (177, 16705), (212, 16816), (220, 16858), (240, 16951), (248, 16975), (274, 17068), (279, 17107), (280, 17125),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 14

Candidate Starts for Beezoo_22:

(Start: 14 @16027 has 231 MA's), (37, 16144), (66, 16234), (70, 16255), (74, 16276), (82, 16303), (140, 16558), (158, 16639), (174, 16714), (177, 16729), (212, 16840), (220, 16882), (240, 16975), (248, 16999), (274, 17092), (279, 17131), (280, 17149),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 14

Candidate Starts for Bella96_22:

(Start: 14 @15947 has 231 MA's), (37, 16064), (66, 16154), (70, 16175), (74, 16196), (82, 16223), (128, 16424), (140, 16478), (158, 16559), (174, 16634), (177, 16649), (220, 16802), (240, 16895), (248, 16919), (274, 17012), (279, 17051), (280, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Belladonna_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Bern_22 Start: 15975, Stop: 17111, Start Num: 14

Candidate Starts for Bern_22:

(Start: 14 @15975 has 231 MA's), (37, 16092), (70, 16203), (74, 16224), (82, 16251), (128, 16452), (140, 16506), (158, 16587), (174, 16662), (177, 16677), (212, 16788), (220, 16830), (240, 16923), (248, 16947), (274, 17040), (279, 17079), (280, 17097),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 49

Candidate Starts for BiPauneto_43:

(Start: 49 @28641 has 8 MA's), (69, 28722), (79, 28767), (97, 28836), (140, 29004), (160, 29088), (170, 29139), (181, 29172), (223, 29370), (228, 29388), (240, 29430), (269, 29520), (270, 29526), (274, 29547),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Biglebops_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 31

Candidate Starts for Bipper_23:

(Start: 31 @18745 has 7 MA's), (54, 18811), (55, 18820), (70, 18883), (73, 18901), (75, 18907), (107, 19030), (114, 19057), (116, 19060), (123, 19081), (143, 19183), (144, 19192), (150, 19219), (166, 19294), (180, 19336), (186, 19363), (207, 19408), (212, 19432), (213, 19435), (222, 19477), (230, 19525), (232, 19534), (244, 19576), (248, 19588), (267, 19645), (279, 19714),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Blizzard_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 36

Candidate Starts for BlueNGold_99:

(Start: 36 @59080 has 5 MA's), (Start: 49 @59095 has 8 MA's), (51, 59101), (53, 59107), (81, 59224), (82, 59227), (94, 59278), (104, 59314), (139, 59449), (146, 59485), (153, 59515), (213, 59767), (222, 59812), (226, 59842), (228, 59848), (240, 59875), (250, 59914), (271, 59983),

Gene: Bobquesha_24 Start: 17234, Stop: 18367, Start Num: 14

Candidate Starts for Bobquesha_24:

(Start: 14 @17234 has 231 MA's), (18, 17252), (29, 17324), (37, 17354), (66, 17444), (68, 17453), (74, 17486), (81, 17510), (108, 17615), (140, 17768), (156, 17837), (157, 17843), (193, 17996), (205, 18014), (212, 18044), (220, 18086), (221, 18089), (271, 18281), (274, 18296), (279, 18335), (280, 18353),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 14

Candidate Starts for Boiiii_22:

(Start: 14 @16053 has 231 MA's), (37, 16170), (66, 16260), (70, 16281), (74, 16302), (82, 16329), (140, 16584), (158, 16665), (174, 16740), (177, 16755), (212, 16866), (220, 16908), (240, 17001), (248, 17025), (274, 17118), (279, 17157), (280, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 12

Candidate Starts for Boilgate_19:

(Start: 12 @16429 has 1 MA's), (18, 16453), (29, 16525), (37, 16555), (39, 16561), (61, 16618), (73, 16684), (74, 16687), (81, 16711), (87, 16729), (95, 16768), (106, 16807), (107, 16813), (117, 16846), (128, 16915), (140, 16969), (151, 17017), (155, 17035), (156, 17038), (157, 17044), (207, 17221), (212, 17245), (220, 17287), (221, 17290), (225, 17320), (230, 17341), (240, 17380), (244, 17392), (245, 17395), (271, 17482), (274, 17497), (279, 17536), (280, 17554),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 46

Candidate Starts for Bonum_43:

(Start: 46 @29225 has 6 MA's), (69, 29306), (77, 29342), (121, 29489), (170, 29723), (179, 29750), (192, 29801), (214, 29894), (240, 30011), (270, 30107), (271, 30113), (274, 30128),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 36

Candidate Starts for Boopy_100:

(Start: 36 @59092 has 5 MA's), (Start: 49 @59107 has 8 MA's), (51, 59113), (53, 59119), (81, 59236), (82, 59239), (94, 59290), (104, 59326), (139, 59461), (146, 59497), (153, 59527), (213, 59779), (222, 59824), (226, 59854), (228, 59860), (240, 59887), (250, 59926), (271, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 17

Candidate Starts for BoostSeason_18:

(Start: 17 @13915 has 36 MA's), (18, 13924), (37, 14026), (66, 14116), (74, 14158), (82, 14185), (106, 14278), (107, 14284), (123, 14347), (128, 14386), (140, 14440), (157, 14518), (168, 14569), (173, 14593), (193, 14671), (205, 14689), (212, 14719), (220, 14761), (221, 14764), (248, 14878), (271, 14956), (274, 14971), (279, 15010), (280, 15028),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 42

Candidate Starts for Braxoaddie_44:

(Start: 42 @30405 has 5 MA's), (Start: 60 @30441 has 2 MA's), (89, 30558), (97, 30597), (102, 30615), (121, 30666), (140, 30765), (157, 30840), (160, 30849), (175, 30924), (181, 30945), (214, 31083), (220, 31119), (227, 31158), (240, 31200), (258, 31263), (270, 31296),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for BruceB_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 43

Candidate Starts for BrutonGaster_35:

(30, 25015), (35, 25036), (Start: 43 @25054 has 12 MA's), (Start: 60 @25102 has 2 MA's), (83, 25201), (123, 25333), (144, 25444), (157, 25498), (163, 25522), (165, 25537), (193, 25633), (212, 25681), (218, 25699), (251, 25846), (266, 25894), (268, 25897),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 14

Candidate Starts for Bryler_21:

(Start: 14 @15211 has 231 MA's), (37, 15331), (66, 15421), (82, 15490), (128, 15691), (177, 15916), (192, 15976), (205, 15997), (220, 16069), (221, 16072), (222, 16075), (240, 16162), (248, 16186), (271, 16264), (274, 16279), (279, 16318), (280, 16336),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 46

Candidate Starts for Buggaboo_41:

(Start: 46 @29704 has 6 MA's), (69, 29785), (77, 29821), (100, 29911), (121, 29968), (170, 30202), (179, 30229), (192, 30280), (214, 30373), (240, 30490), (270, 30586), (271, 30592), (274, 30607),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 34

Candidate Starts for C3PO_30:

(Start: 34 @27616 has 8 MA's), (45, 27640), (63, 27685), (73, 27745), (85, 27784), (109, 27880), (147, 28042), (156, 28075), (179, 28150), (184, 28174), (218, 28249), (229, 28315), (240, 28351), (249, 28378), (265, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for CLED96_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for CREW_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 14

Candidate Starts for Cain_21:

(Start: 14 @15199 has 231 MA's), (37, 15319), (66, 15409), (82, 15478), (128, 15679), (177, 15904), (192, 15964), (205, 15985), (220, 16057), (221, 16060), (222, 16063), (240, 16150), (248, 16174), (271, 16252), (274, 16267), (279, 16306), (280, 16324),

Gene: CallaLilly_22 Start: 15974, Stop: 17110, Start Num: 14

Candidate Starts for CallaLilly_22:

(Start: 14 @15974 has 231 MA's), (37, 16091), (66, 16181), (70, 16202), (74, 16223), (82, 16250), (140, 16505), (158, 16586), (174, 16661), (177, 16676), (212, 16787), (220, 16829), (240, 16922), (248, 16946), (274, 17039), (279, 17078), (280, 17096),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 15

Candidate Starts for Cambiare_18:

(Start: 15 @16198 has 2 MA's), (37, 16327), (48, 16345), (62, 16396), (66, 16420), (74, 16462), (75, 16465), (81, 16486), (84, 16495), (92, 16531), (102, 16567), (104, 16573), (108, 16591), (121, 16642), (147, 16777), (161, 16831), (172, 16891), (212, 17056), (220, 17098), (236, 17176), (263, 17272), (265, 17275), (277, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Camri_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Capricorn_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 33

Candidate Starts for Cardigan_46:

(Start: 33 @29891 has 2 MA's), (66, 29978), (81, 30044), (86, 30059), (132, 30236), (144, 30293), (157, 30347), (163, 30371), (188, 30470), (193, 30488), (212, 30536), (218, 30554), (222, 30578), (266, 30746),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for CaseJules_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for CassieYates_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Cedasite_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Chance64_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 14

Candidate Starts for Chancellor_23:

(Start: 14 @17500 has 231 MA's), (18, 17518), (29, 17590), (37, 17620), (66, 17710), (74, 17752), (81, 17776), (108, 17881), (140, 18034), (156, 18103), (157, 18109), (193, 18262), (205, 18280), (212, 18310), (220, 18352), (221, 18355), (274, 18562), (279, 18601), (280, 18619),

Gene: Chavito_22 Start: 15385, Stop: 16524, Start Num: 14

Candidate Starts for Chavito_22:

(Start: 14 @15385 has 231 MA's), (37, 15505), (66, 15595), (82, 15664), (107, 15763), (108, 15766), (128, 15865), (140, 15919), (158, 16000), (174, 16075), (177, 16090), (212, 16201), (220, 16243), (230, 16297), (240, 16336), (248, 16360), (265, 16420), (271, 16438), (274, 16453), (279, 16492), (280, 16510),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 14

Candidate Starts for CheetoDust_22:

(Start: 14 @16028 has 231 MA's), (37, 16145), (66, 16235), (70, 16256), (74, 16277), (82, 16304), (140, 16559), (158, 16640), (174, 16715), (177, 16730), (212, 16841), (220, 16883), (240, 16976), (248, 17000), (274, 17093), (279, 17132), (280, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 14

Candidate Starts for Cheetobro_23:

(Start: 14 @17497 has 231 MA's), (18, 17515), (29, 17587), (37, 17617), (66, 17707), (74, 17749), (81, 17773), (108, 17878), (140, 18031), (156, 18100), (157, 18106), (193, 18259), (205, 18277), (212, 18307), (220, 18349), (221, 18352), (274, 18559), (279, 18598), (280, 18616),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Cherrybomb426_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 41

Candidate Starts for ChewyVIII_55:

(Start: 41 @37234 has 6 MA's), (72, 37336), (102, 37456), (107, 37477), (121, 37507), (127, 37546), (143, 37612), (167, 37726), (191, 37828), (197, 37855), (240, 38038), (253, 38086), (263, 38125), (267, 38131),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 14

Candidate Starts for Chris_21:

(Start: 14 @15243 has 231 MA's), (37, 15360), (48, 15378), (70, 15471), (82, 15519), (128, 15720), (150, 15819), (154, 15840), (173, 15927), (177, 15945), (193, 16008), (207, 16032), (212, 16056), (220, 16098), (221, 16101), (230, 16152), (240, 16191), (274, 16308), (276, 16335), (279, 16347), (280, 16365),

Gene: Clipper_22 Start: 16028, Stop: 17164, Start Num: 14

Candidate Starts for Clipper_22:

(Start: 14 @16028 has 231 MA's), (37, 16145), (66, 16235), (70, 16256), (74, 16277), (82, 16304), (140, 16559), (158, 16640), (174, 16715), (177, 16730), (212, 16841), (220, 16883), (240, 16976), (248, 17000), (274, 17093), (279, 17132), (280, 17150),

Gene: Cloudyecho_17 Start: 15656, Stop: 16834, Start Num: 14

Candidate Starts for Cloudyecho_17:

(3, 15257), (4, 15317), (Start: 14 @15656 has 231 MA's), (48, 15800), (62, 15851), (74, 15917), (75, 15920), (84, 15950), (102, 16022), (120, 16091), (121, 16097), (147, 16232), (161, 16286), (172, 16346), (199, 16454), (212, 16511), (220, 16553), (263, 16727), (265, 16730), (274, 16763), (277, 16796),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 43

Candidate Starts for ClubL_47:

(Start: 43 @28631 has 12 MA's), (Start: 60 @28679 has 2 MA's), (66, 28706), (83, 28778), (99, 28844), (107, 28874), (137, 28982), (157, 29075), (163, 29099), (165, 29114), (193, 29210), (212, 29258), (256, 29438), (268, 29474),

Gene: CoffeeBean_44 Start: 30363, Stop: 31289, Start Num: 42

Candidate Starts for CoffeeBean_44:

(Start: 42 @30363 has 5 MA's), (Start: 60 @30399 has 2 MA's), (89, 30516), (97, 30555), (102, 30573), (121, 30624), (140, 30723), (157, 30798), (160, 30807), (175, 30882), (181, 30903), (214, 31041), (220, 31077), (227, 31116), (240, 31158), (258, 31221), (270, 31254),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 14

Candidate Starts for Coleslaw_17:

(4, 15135), (Start: 14 @15468 has 231 MA's), (37, 15588), (48, 15606), (61, 15651), (62, 15657), (73, 15720), (84, 15756), (101, 15825), (102, 15828), (107, 15849), (121, 15903), (128, 15948), (136, 15978), (157, 16080), (161, 16092), (163, 16104), (166, 16122), (205, 16287), (212, 16317), (217, 16335), (220, 16359), (249, 16479), (274, 16569), (277, 16602),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 17

Candidate Starts for Collard_20:

(Start: 17 @16380 has 36 MA's), (61, 16554), (73, 16620), (74, 16623), (82, 16650), (107, 16749), (128, 16851), (140, 16905), (146, 16935), (154, 16971), (155, 16974), (157, 16983), (173, 17058), (174, 17061), (182, 17097), (193, 17139), (205, 17157), (207, 17163), (212, 17187), (213, 17190), (220, 17229), (274, 17439), (279, 17478), (280, 17496),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 46

Candidate Starts for Commandaria_42:

(Start: 46 @30197 has 6 MA's), (69, 30284), (75, 30314), (89, 30359), (121, 30467), (160, 30650), (179, 30731), (181, 30737), (187, 30764), (234, 30980), (240, 31007), (270, 31103),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 31

Candidate Starts for Cracklewink_23:

(Start: 31 @18745 has 7 MA's), (54, 18811), (55, 18820), (70, 18883), (73, 18901), (75, 18907), (107, 19030), (114, 19057), (116, 19060), (123, 19081), (143, 19183), (144, 19192), (150, 19219), (166, 19294), (180, 19336), (186, 19363), (212, 19432), (213, 19435), (222, 19477), (230, 19525), (232, 19534), (244, 19576), (248, 19588), (267, 19645), (279, 19714),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 14

Candidate Starts for Crespo_17:

(4, 15145), (Start: 14 @15478 has 231 MA's), (37, 15598), (48, 15616), (61, 15661), (62, 15667), (73, 15730), (84, 15766), (101, 15835), (102, 15838), (107, 15859), (121, 15913), (128, 15958), (136, 15988), (157, 16090), (161, 16102), (163, 16114), (166, 16132), (205, 16297), (212, 16327), (217, 16345), (220, 16369), (249, 16489), (274, 16579), (277, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 14

Candidate Starts for CrimD_22:

(Start: 14 @15989 has 231 MA's), (37, 16106), (66, 16196), (70, 16217), (74, 16238), (82, 16265), (140, 16520), (158, 16601), (174, 16676), (177, 16691), (212, 16802), (220, 16844), (240, 16937), (248, 16961), (274, 17054), (279, 17093), (280, 17111),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 34

Candidate Starts for Cruella_30:

(Start: 34 @27616 has 8 MA's), (45, 27640), (63, 27685), (73, 27745), (85, 27784), (109, 27880), (147, 28042), (156, 28075), (179, 28150), (184, 28174), (218, 28249), (229, 28315), (240, 28351), (249, 28378), (265, 28435),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 43

Candidate Starts for Cucurbita_49:

(Start: 43 @30001 has 12 MA's), (Start: 60 @30049 has 2 MA's), (66, 30076), (83, 30148), (99, 30214), (107, 30244), (137, 30352), (157, 30445), (163, 30469), (165, 30484), (193, 30580), (212, 30628), (256, 30808), (268, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 40

Candidate Starts for Culver_47:

(Start: 40 @28434 has 11 MA's), (Start: 43 @28440 has 12 MA's), (Start: 60 @28488 has 2 MA's), (66, 28515), (83, 28587), (99, 28653), (107, 28683), (137, 28791), (157, 28884), (163, 28908), (165, 28923), (193, 29019), (212, 29067), (256, 29247), (268, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 14

Candidate Starts for Curiosium_23:

(Start: 14 @15737 has 231 MA's), (37, 15854), (70, 15965), (82, 16013), (140, 16268), (142, 16274), (158, 16349), (177, 16439), (212, 16550), (220, 16592), (240, 16685), (248, 16709), (274, 16802), (279, 16841), (280, 16859),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for DMoney_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: DNAlll_0017 Start: 15486, Stop: 16658, Start Num: 14

Candidate Starts for DNAlll_0017:

(4, 15153), (Start: 14 @15486 has 231 MA's), (37, 15606), (48, 15624), (61, 15669), (62, 15675), (73, 15738), (84, 15774), (101, 15843), (102, 15846), (107, 15867), (121, 15921), (128, 15966), (136, 15996), (157, 16098), (161, 16110), (163, 16122), (166, 16140), (205, 16305), (212, 16335), (217, 16353), (220, 16377), (249, 16497), (274, 16587), (277, 16620),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 17

Candidate Starts for Dadosky_20:

(Start: 17 @16302 has 36 MA's), (61, 16476), (73, 16542), (82, 16572), (107, 16671), (128, 16773), (140, 16827), (146, 16857), (154, 16893), (155, 16896), (157, 16905), (173, 16980), (174, 16983), (178, 17004), (182, 17019), (193, 17061), (205, 17079), (207, 17085), (212, 17109), (213, 17112), (220, 17151), (243, 17253), (274, 17361), (279, 17400), (280, 17418),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 44

Candidate Starts for Dalilpop_45:

(2, 30261), (Start: 44 @31200 has 27 MA's), (69, 31278), (107, 31431), (140, 31560), (154, 31623), (181, 31731), (240, 31986), (260, 32061), (270, 32082),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Dalmuri_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: DanSyl44_24 Start: 17503, Stop: 18636, Start Num: 14

Candidate Starts for DanSyl44_24:

(Start: 14 @17503 has 231 MA's), (18, 17521), (29, 17593), (37, 17623), (66, 17713), (74, 17755), (81, 17779), (108, 17884), (140, 18037), (156, 18106), (157, 18112), (193, 18265), (205, 18283), (212, 18313), (220, 18355), (221, 18358), (271, 18550), (274, 18565), (279, 18604), (280, 18622),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 40

Candidate Starts for Daredevil_28:

(Start: 40 @24544 has 11 MA's), (66, 24619), (80, 24682), (83, 24691), (86, 24700), (122, 24820), (133, 24880), (157, 24988), (193, 25123), (212, 25171), (227, 25246), (239, 25294), (253, 25342), (256, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Darionha_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: DartGoblin_22 Start: 15944, Stop: 17080, Start Num: 14

Candidate Starts for DartGoblin_22:

(Start: 14 @15944 has 231 MA's), (37, 16061), (66, 16151), (70, 16172), (74, 16193), (82, 16220), (128, 16421), (140, 16475), (158, 16556), (174, 16631), (177, 16646), (220, 16799), (240, 16892), (248, 16916), (274, 17009), (279, 17048), (280, 17066),

Gene: DarthP_21 Start: 16442, Stop: 17578, Start Num: 14

Candidate Starts for DarthP_21:

(Start: 14 @16442 has 231 MA's), (37, 16559), (48, 16577), (56, 16610), (66, 16649), (82, 16718), (107, 16817), (109, 16823), (128, 16919), (140, 16973), (154, 17039), (157, 17051), (193, 17207), (207, 17231), (220, 17297), (221, 17300), (222, 17303), (240, 17390), (274, 17507), (279, 17546), (280, 17564),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 14

Candidate Starts for Dartin_22:

(Start: 14 @15375 has 231 MA's), (37, 15495), (66, 15585), (82, 15654), (107, 15753), (108, 15756), (128, 15855), (140, 15909), (158, 15990), (174, 16065), (177, 16080), (207, 16167), (212, 16191), (220, 16233), (221, 16236), (230, 16287), (240, 16326), (265, 16410), (271, 16428), (274, 16443), (279, 16482), (280, 16500),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 34

Candidate Starts for Darwin_33:

(Start: 34 @27301 has 8 MA's), (45, 27325), (63, 27370), (73, 27430), (85, 27469), (109, 27565), (147, 27727), (156, 27760), (179, 27835), (184, 27859), (229, 28000), (240, 28036), (249, 28063), (265, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 40

Candidate Starts for DatBoi_30:

(Start: 40 @26971 has 11 MA's), (50, 26992), (66, 27046), (122, 27247), (130, 27298), (133, 27307), (140, 27343), (157, 27415), (159, 27421), (193, 27550), (212, 27598), (227, 27673), (239, 27721),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 14

Candidate Starts for Deby_22:

(Start: 14 @15985 has 231 MA's), (37, 16102), (66, 16192), (70, 16213), (74, 16234), (82, 16261), (140, 16516), (158, 16597), (174, 16672), (177, 16687), (212, 16798), (220, 16840), (240, 16933), (248, 16957), (274, 17050), (279, 17089), (280, 17107),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 14

Candidate Starts for Devera_22:

(Start: 14 @16032 has 231 MA's), (37, 16149), (70, 16260), (74, 16281), (82, 16308), (108, 16410), (140, 16563), (158, 16644), (169, 16698), (174, 16719), (177, 16734), (212, 16845), (220, 16887), (240, 16980), (248, 17004), (274, 17097), (279, 17136), (280, 17154),

Gene: DingDing_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for DingDing_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 17

Candidate Starts for DismalFunk_18:

(Start: 17 @13889 has 36 MA's), (18, 13898), (37, 14000), (66, 14090), (74, 14132), (75, 14135), (82, 14159), (107, 14258), (123, 14321), (128, 14360), (140, 14414), (154, 14480), (157, 14492), (168, 14543), (173, 14567), (193, 14645), (205, 14663), (212, 14693), (215, 14702), (220, 14735), (221, 14738), (248, 14852), (271, 14930), (274, 14945), (279, 14984), (280, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 17

Candidate Starts for DismalStressor_18:

(Start: 17 @13889 has 36 MA's), (18, 13898), (37, 14000), (66, 14090), (74, 14132), (75, 14135), (82, 14159), (107, 14258), (123, 14321), (128, 14360), (140, 14414), (154, 14480), (157, 14492), (168, 14543), (173, 14567), (193, 14645), (205, 14663), (212, 14693), (215, 14702), (220, 14735), (221, 14738), (248, 14852), (271, 14930), (274, 14945), (279, 14984), (280, 15002),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 41

Candidate Starts for Dogfish_20:

(6, 17051), (Start: 41 @17321 has 6 MA's), (47, 17327), (57, 17363), (Start: 58 @17366 has 1 MA's), (97, 17528), (98, 17534), (103, 17549), (106, 17561), (132, 17657), (133, 17660), (135, 17669), (138, 17681), (140, 17696), (169, 17825), (206, 17921), (211, 17945), (218, 17966), (221, 17987), (227, 18017), (237, 18053), (252, 18107),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 14

Candidate Starts for Dole_22:

(Start: 14 @16034 has 231 MA's), (37, 16151), (70, 16262), (74, 16283), (82, 16310), (108, 16412), (140, 16565), (158, 16646), (169, 16700), (174, 16721), (177, 16736), (212, 16847), (220, 16889), (240, 16982), (248, 17006), (274, 17099), (279, 17138), (280, 17156),

Gene: DoubleChamp_20 Start: 16380, Stop: 17510, Start Num: 17

Candidate Starts for DoubleChamp_20:

(Start: 17 @16380 has 36 MA's), (61, 16554), (73, 16620), (74, 16623), (82, 16650), (107, 16749), (128, 16851), (140, 16905), (146, 16935), (154, 16971), (155, 16974), (157, 16983), (173, 17058), (174, 17061), (182, 17097), (193, 17139), (205, 17157), (207, 17163), (212, 17187), (213, 17190), (220, 17229), (274, 17439), (279, 17478), (280, 17496),

Gene: Doughnut_18 Start: 13909, Stop: 15036, Start Num: 17

Candidate Starts for Doughnut_18:

(Start: 17 @13909 has 36 MA's), (18, 13918), (37, 14020), (66, 14110), (74, 14152), (82, 14179), (106, 14272), (107, 14278), (123, 14341), (128, 14380), (140, 14434), (157, 14512), (168, 14563), (173, 14587), (193, 14665), (205, 14683), (212, 14713), (220, 14755), (221, 14758), (248, 14872), (271, 14950), (274, 14965), (279, 15004), (280, 15022),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 14

Candidate Starts for DrHayes_22:

(Start: 14 @15965 has 231 MA's), (37, 16082), (66, 16172), (70, 16193), (74, 16214), (82, 16241), (128, 16442), (140, 16496), (142, 16502), (158, 16577), (174, 16652), (177, 16667), (220, 16820), (240, 16913), (248, 16937), (274, 17030), (279, 17069), (280, 17087),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Durfee_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Dusty_46 Start: 28440, Stop: 29321, Start Num: 43

Candidate Starts for Dusty_46:

(Start: 40 @28434 has 11 MA's), (Start: 43 @28440 has 12 MA's), (Start: 60 @28488 has 2 MA's), (66, 28515), (83, 28587), (107, 28683), (137, 28791), (157, 28884), (163, 28908), (165, 28923), (193, 29019), (212, 29067), (256, 29247), (268, 29283),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for ECartman_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 17

Candidate Starts for Edugator_19:

(Start: 17 @16302 has 36 MA's), (61, 16476), (73, 16542), (82, 16572), (107, 16671), (128, 16773), (140, 16827), (146, 16857), (154, 16893), (155, 16896), (157, 16905), (173, 16980), (174, 16983), (182, 17019), (193, 17061), (205, 17079), (207, 17085), (212, 17109), (213, 17112), (220, 17151), (243, 17253), (274, 17361), (279, 17400), (280, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 14

Candidate Starts for Efra2_22:

(Start: 14 @15227 has 231 MA's), (37, 15344), (66, 15434), (70, 15455), (82, 15503), (140, 15758), (158, 15839), (174, 15914), (177, 15929), (212, 16040), (220, 16082), (236, 16160), (240, 16175), (248, 16199), (274, 16292), (279, 16331), (280, 16349),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 14

Candidate Starts for Ekdilam_19:

(Start: 14 @16204 has 231 MA's), (37, 16321), (48, 16339), (56, 16372), (66, 16411), (82, 16480), (107, 16579), (109, 16585), (140, 16735), (154, 16801), (157, 16813), (193, 16969), (207, 16993), (213, 17020), (220, 17059), (221, 17062), (240, 17152), (274, 17269), (279, 17308), (280, 17326),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 14

Candidate Starts for Ellie_19:

(Start: 14 @16200 has 231 MA's), (37, 16317), (56, 16368), (82, 16476), (108, 16578), (109, 16581), (128, 16677), (140, 16731), (154, 16797), (157, 16809), (220, 17055), (221, 17058), (274, 17265), (279, 17304), (280, 17322),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 14

Candidate Starts for Emerson_22:

(Start: 14 @16011 has 231 MA's), (37, 16128), (66, 16218), (70, 16239), (74, 16260), (82, 16287), (140, 16542), (158, 16623), (174, 16698), (177, 16713), (212, 16824), (220, 16866), (240, 16959), (248, 16983), (274, 17076), (279, 17115), (280, 17133),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 44

Candidate Starts for Emianna_40:

(Start: 44 @29879 has 27 MA's), (69, 29966), (89, 30041), (105, 30107), (121, 30149), (131, 30206), (181, 30419), (187, 30446), (214, 30557), (240, 30689), (270, 30785),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 43

Candidate Starts for Engineer_48:

(Start: 40 @28651 has 11 MA's), (Start: 43 @28657 has 12 MA's), (Start: 60 @28705 has 2 MA's), (66, 28732), (83, 28804), (99, 28870), (107, 28900), (137, 29008), (157, 29101), (163, 29125), (165, 29140), (193, 29236), (212, 29284), (256, 29464), (268, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Enkosi_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 44

Candidate Starts for Ennea_46:

(Start: 44 @30548 has 27 MA's), (69, 30626), (89, 30701), (121, 30809), (138, 30893), (179, 31073), (181, 31079), (228, 31295), (240, 31334), (260, 31409), (270, 31430), (274, 31451),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 14

Candidate Starts for Eponine_23:

(Start: 14 @17390 has 231 MA's), (29, 17480), (37, 17510), (66, 17600), (74, 17642), (75, 17645), (78, 17657), (156, 17993), (157, 17999), (173, 18074), (193, 18152), (204, 18167), (212, 18200), (220, 18242), (221, 18245), (241, 18338), (274, 18452), (279, 18491), (280, 18509),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 41

Candidate Starts for Ewald_21:

(Start: 41 @17595 has 6 MA's), (47, 17601), (50, 17613), (57, 17637), (Start: 58 @17640 has 1 MA's), (98, 17808), (103, 17823), (106, 17835), (132, 17931), (133, 17934), (135, 17943), (138, 17955), (140, 17970), (169, 18099), (211, 18219), (218, 18240), (221, 18261), (252, 18381),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 16

Candidate Starts for FF47_20:

(Start: 16 @14818 has 4 MA's), (19, 14866), (Start: 58 @14974 has 1 MA's), (61, 14983), (75, 15052), (83, 15079), (120, 15226), (141, 15334), (157, 15409), (160, 15418), (167, 15454), (182, 15523), (193, 15565), (215, 15619), (224, 15676), (252, 15781), (255, 15787), (277, 15892),

Gene: Faiyaz_23 Start: 18613, Stop: 19611, Start Num: 31

Candidate Starts for Faiyaz_23:

(Start: 31 @18613 has 7 MA's), (54, 18679), (73, 18769), (75, 18775), (90, 18823), (100, 18871), (107, 18898), (114, 18925), (116, 18928), (123, 18949), (131, 19000), (143, 19051), (144, 19060), (150, 19087), (166, 19162), (171, 19186), (207, 19276), (212, 19300), (213, 19303), (220, 19339), (230, 19393), (232, 19402), (244, 19444), (245, 19447), (271, 19528), (273, 19537), (279, 19582),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 14

Candidate Starts for Fefferhead_21:

(Start: 14 @16367 has 231 MA's), (37, 16484), (56, 16535), (82, 16643), (108, 16745), (109, 16748), (128, 16844), (140, 16898), (154, 16964), (157, 16976), (220, 17222), (221, 17225), (274, 17432), (279, 17471), (280, 17489),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 17

Candidate Starts for Feyre_20:

(Start: 17 @16241 has 36 MA's), (74, 16484), (82, 16511), (107, 16610), (128, 16712), (140, 16766), (146, 16796), (154, 16832), (155, 16835), (157, 16844), (173, 16919), (174, 16922), (182, 16958), (193, 17000), (205, 17018), (207, 17024), (212, 17048), (213, 17051), (215, 17057), (220, 17090), (274, 17300), (279, 17339), (280, 17357),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 17

Candidate Starts for Findley_18:

(Start: 17 @13892 has 36 MA's), (18, 13901), (37, 14003), (66, 14093), (74, 14135), (75, 14138), (82, 14162), (107, 14261), (123, 14324), (128, 14363), (140, 14417), (154, 14483), (157, 14495), (168, 14546), (173, 14570), (193, 14648), (205, 14666), (212, 14696), (215, 14705), (220, 14738), (221, 14741), (248, 14855), (271, 14933), (274, 14948), (279, 14987), (280, 15005),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 14

Candidate Starts for Fionnbharth_23:

(Start: 14 @17490 has 231 MA's), (18, 17508), (29, 17580), (37, 17610), (66, 17700), (74, 17742), (81, 17766), (108, 17871), (156, 18093), (157, 18099), (192, 18249), (193, 18252), (205, 18270), (212, 18300), (220, 18342), (221, 18345), (230, 18396), (271, 18537), (274, 18552), (279, 18591), (280, 18609),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 10

Candidate Starts for FlagStaff_17:

(4, 15304), (Start: 10 @15628 has 1 MA's), (Start: 14 @15664 has 231 MA's), (37, 15790), (62, 15850), (66, 15874), (74, 15916), (75, 15919), (102, 16021), (108, 16045), (111, 16060), (112, 16066), (120, 16105), (121, 16111), (150, 16255), (153, 16273), (159, 16294), (161, 16300), (164, 16324), (172, 16360), (212, 16525), (220, 16567), (222, 16573), (265, 16744), (277, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 44

Candidate Starts for Flapper_44:

(Start: 44 @30267 has 27 MA's), (69, 30345), (107, 30498), (140, 30627), (181, 30798), (240, 31053), (260, 31128), (270, 31149),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 44

Candidate Starts for Float294_42:

(Start: 44 @29990 has 27 MA's), (69, 30068), (89, 30143), (121, 30251), (138, 30335), (179, 30515), (181, 30521), (228, 30737), (240, 30776), (260, 30851), (267, 30863), (270, 30872), (274, 30893),

Gene: ForeverHowLong_17 Start: 15472, Stop: 16644, Start Num: 14

Candidate Starts for ForeverHowLong_17:

(4, 15139), (Start: 14 @15472 has 231 MA's), (37, 15592), (48, 15610), (61, 15655), (62, 15661), (73, 15724), (84, 15760), (101, 15829), (102, 15832), (107, 15853), (121, 15907), (128, 15952), (136, 15982), (157, 16084), (161, 16096), (163, 16108), (166, 16126), (205, 16291), (212, 16321), (217, 16339), (220, 16363), (249, 16483), (274, 16573), (277, 16606),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 36

Candidate Starts for Forza_100:

(Start: 36 @59008 has 5 MA's), (Start: 49 @59023 has 8 MA's), (51, 59029), (53, 59035), (81, 59152), (82, 59155), (94, 59206), (104, 59242), (139, 59377), (146, 59413), (153, 59443), (213, 59695), (222, 59740), (226, 59770), (228, 59776), (240, 59803), (250, 59842), (271, 59911),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 44

Candidate Starts for Foxboro_41:

(Start: 44 @30385 has 27 MA's), (69, 30472), (89, 30547), (105, 30613), (121, 30655), (131, 30712), (181, 30925), (187, 30952), (214, 31063), (240, 31195), (270, 31291),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Frosty24_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 44

Candidate Starts for Fury_49:

(Start: 44 @29757 has 27 MA's), (69, 29838), (89, 29913), (100, 29964), (131, 30078), (179, 30285), (240, 30546), (258, 30609), (270, 30642),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 33

Candidate Starts for GMA2_29:

(Start: 33 @30651 has 2 MA's), (51, 30681), (53, 30687), (57, 30702), (67, 30750), (82, 30807), (100, 30882), (106, 30903), (123, 30942), (139, 31029), (146, 31065), (149, 31077), (152, 31086), (153, 31095), (167, 31152), (214, 31350), (222, 31392), (228, 31428), (240, 31455), (242, 31461), (250, 31494), (257, 31518), (271, 31563),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 44

Candidate Starts for GRU1_30:

(Start: 44 @22167 has 27 MA's), (69, 22245), (107, 22398), (138, 22512), (140, 22527), (154, 22590), (181, 22698), (240, 22953), (260, 23028), (270, 23049),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 44

Candidate Starts for GTE5_31:

(Start: 44 @23122 has 27 MA's), (69, 23200), (107, 23353), (140, 23482), (181, 23653), (218, 23809), (240, 23908), (260, 23983), (270, 24004),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 44

Candidate Starts for GTE8_29:

(Start: 44 @23138 has 27 MA's), (69, 23225), (89, 23300), (121, 23408), (127, 23447), (154, 23570), (181, 23678), (214, 23816), (240, 23948), (270, 24044),

Gene: Gagieri_44 Start: 30280, Stop: 31170, Start Num: 60

Candidate Starts for Gagieri_44:

(27, 30193), (Start: 41 @30241 has 6 MA's), (Start: 60 @30280 has 2 MA's), (89, 30397), (97, 30436), (102, 30454), (121, 30505), (140, 30604), (157, 30679), (160, 30688), (208, 30892), (214, 30922), (220, 30958), (227, 30997), (240, 31039), (258, 31102), (260, 31114), (270, 31135),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 24

Candidate Starts for Gaia_13:

(Start: 24 @13325 has 2 MA's), (25, 13328), (55, 13421), (59, 13427), (68, 13472), (73, 13502), (81, 13529), (82, 13532), (84, 13538), (89, 13553), (90, 13556), (106, 13625), (107, 13631), (123, 13709), (133, 13766), (140, 13802), (154, 13868), (157, 13880), (178, 13982), (179, 13985), (185, 14012), (200, 14075), (220, 14156), (222, 14162), (232, 14219), (240, 14249), (245, 14264), (252, 14288), (255, 14294), (271, 14351), (280, 14423),

Gene: Gallia_41 Start: 33872, Stop: 34774, Start Num: 34

Candidate Starts for Gallia_41:

(Start: 34 @33872 has 8 MA's), (73, 34001), (97, 34091), (99, 34100), (105, 34118), (107, 34130), (125, 34184), (156, 34331), (164, 34373), (189, 34466), (190, 34469), (195, 34490), (221, 34562), (240, 34643),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 14

Candidate Starts for Ganymede_23:

(Start: 14 @16031 has 231 MA's), (37, 16148), (66, 16238), (70, 16259), (74, 16280), (82, 16307), (140, 16562), (158, 16643), (174, 16718), (177, 16733), (212, 16844), (220, 16886), (240, 16979), (248, 17003), (274, 17096), (279, 17135), (280, 17153),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 43

Candidate Starts for Geeche_46:

(Start: 43 @28531 has 12 MA's), (Start: 60 @28579 has 2 MA's), (66, 28606), (83, 28678), (99, 28744), (107, 28774), (137, 28882), (157, 28975), (163, 28999), (165, 29014), (193, 29110), (212, 29158), (256, 29338), (268, 29374),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 17

Candidate Starts for Gengar_20:

(Start: 17 @16348 has 36 MA's), (61, 16522), (73, 16588), (74, 16591), (82, 16618), (107, 16717), (128, 16819), (140, 16873), (146, 16903), (154, 16939), (155, 16942), (157, 16951), (173, 17026), (174, 17029), (182, 17065), (193, 17107), (205, 17125), (207, 17131), (212, 17155), (213, 17158), (215, 17164), (220, 17197), (274, 17407), (279, 17446), (280, 17464),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 14

Candidate Starts for Geraldini_22:

(Start: 14 @16027 has 231 MA's), (37, 16144), (66, 16234), (70, 16255), (74, 16276), (82, 16303), (140, 16558), (158, 16639), (174, 16714), (177, 16729), (212, 16840), (215, 16849), (220, 16882), (240, 16975), (248, 16999), (274, 17092), (279, 17131), (280, 17149),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Gideon_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217,

16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: GodSpeed_18 Start: 15640, Stop: 16833, Start Num: 14

Candidate Starts for GodSpeed_18:

(4, 15277), (Start: 10 @15604 has 1 MA's), (Start: 14 @15640 has 231 MA's), (37, 15766), (48, 15784), (62, 15835), (66, 15859), (74, 15901), (75, 15904), (84, 15934), (102, 16006), (108, 16030), (111, 16045), (120, 16090), (121, 16096), (150, 16240), (161, 16285), (164, 16309), (172, 16345), (212, 16510), (220, 16552), (265, 16729), (277, 16795),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 32

Candidate Starts for GodonK_88:

(Start: 32 @51377 has 2 MA's), (51, 51416), (76, 51521), (82, 51542), (94, 51593), (96, 51599), (105, 51632), (146, 51800), (153, 51830), (194, 52010), (210, 52064), (214, 52085), (218, 52103), (222, 52127), (225, 52154), (226, 52157), (228, 52163), (240, 52190), (246, 52208), (270, 52292), (271, 52298), (272, 52301),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for GoldenAsh_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 14

Candidate Starts for Gomashi_17:

(4, 15145), (Start: 14 @15478 has 231 MA's), (37, 15598), (48, 15616), (61, 15661), (62, 15667), (73, 15730), (84, 15766), (101, 15835), (102, 15838), (107, 15859), (121, 15913), (128, 15958), (136, 15988), (157, 16090), (161, 16102), (163, 16114), (166, 16132), (205, 16297), (212, 16327), (217, 16345), (220, 16369), (249, 16489), (274, 16579), (277, 16612),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 14

Candidate Starts for Grizzly_17:

(4, 15147), (Start: 14 @15480 has 231 MA's), (37, 15600), (48, 15618), (61, 15663), (62, 15669), (73, 15732), (84, 15768), (101, 15837), (102, 15840), (107, 15861), (121, 15915), (128, 15960), (136, 15990), (157, 16092), (161, 16104), (163, 16116), (205, 16299), (212, 16329), (217, 16347), (220, 16371), (243, 16473), (249, 16491), (274, 16581), (277, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 44

Candidate Starts for GrootJr_42:

(Start: 44 @29261 has 27 MA's), (69, 29348), (89, 29423), (105, 29489), (121, 29531), (131, 29588), (181, 29801), (187, 29828), (214, 29939), (240, 30071), (270, 30167),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 14

Candidate Starts for Guanica15_22:

(Start: 14 @15243 has 231 MA's), (37, 15360), (66, 15450), (70, 15471), (82, 15519), (140, 15774), (158, 15855), (174, 15930), (177, 15945), (212, 16056), (220, 16098), (236, 16176), (240, 16191), (248, 16215), (274, 16308), (279, 16347), (280, 16365),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 17

Candidate Starts for Guillsminger_20:

(Start: 17 @16323 has 36 MA's), (73, 16563), (74, 16566), (82, 16593), (107, 16692), (128, 16794), (140, 16848), (146, 16878), (154, 16914), (155, 16917), (157, 16926), (173, 17001), (174, 17004), (193, 17082), (205, 17100), (207, 17106), (212, 17130), (213, 17133), (215, 17139), (220, 17172),

(274, 17382), (279, 17421), (280, 17439),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 14

Candidate Starts for Halo_17:

(4, 15139), (Start: 14 @15472 has 231 MA's), (37, 15592), (48, 15610), (61, 15655), (62, 15661), (73, 15724), (84, 15760), (101, 15829), (102, 15832), (107, 15853), (121, 15907), (128, 15952), (136, 15982), (157, 16084), (161, 16096), (163, 16108), (166, 16126), (205, 16291), (212, 16321), (217, 16339), (220, 16363), (249, 16483), (274, 16573), (277, 16606),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 14

Candidate Starts for Hammy_21:

(Start: 14 @16436 has 231 MA's), (37, 16553), (48, 16571), (56, 16604), (66, 16643), (82, 16712), (107, 16811), (109, 16817), (128, 16913), (140, 16967), (154, 17033), (157, 17045), (193, 17201), (207, 17225), (220, 17291), (221, 17294), (222, 17297), (240, 17384), (274, 17501), (279, 17540), (280, 17558),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 14

Candidate Starts for HedwigODU_22:

(Start: 14 @16020 has 231 MA's), (37, 16137), (66, 16227), (70, 16248), (74, 16269), (82, 16296), (140, 16551), (158, 16632), (174, 16707), (177, 16722), (212, 16833), (220, 16875), (240, 16968), (248, 16992), (274, 17085), (279, 17124), (280, 17142),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 17

Candidate Starts for Heftyboy_20:

(Start: 17 @16471 has 36 MA's), (61, 16645), (73, 16711), (74, 16714), (82, 16741), (107, 16840), (128, 16942), (140, 16996), (146, 17026), (154, 17062), (155, 17065), (157, 17074), (173, 17149), (174, 17152), (182, 17188), (193, 17230), (205, 17248), (207, 17254), (212, 17278), (213, 17281), (215, 17287), (220, 17320), (274, 17530), (279, 17569), (280, 17587),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 31

Candidate Starts for Hilltopfarm_23:

(Start: 31 @18643 has 7 MA's), (54, 18709), (73, 18799), (75, 18805), (90, 18853), (100, 18901), (107, 18928), (114, 18955), (116, 18958), (123, 18979), (131, 19030), (143, 19081), (144, 19090), (150, 19117), (166, 19192), (171, 19216), (207, 19306), (212, 19330), (213, 19333), (220, 19369), (230, 19423), (232, 19432), (244, 19474), (245, 19477), (271, 19558), (273, 19567), (279, 19612),

Gene: HomeFry_46 Start: 28359, Stop: 29288, Start Num: 44

Candidate Starts for HomeFry_46:

(Start: 44 @28359 has 27 MA's), (69, 28440), (89, 28515), (100, 28566), (140, 28722), (170, 28857), (181, 28896), (240, 29151), (270, 29253),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Homura_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Hope_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Hotshotbaby7_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: HubbaBubba_38 Start: 25653, Stop: 26573, Start Num: 49

Candidate Starts for HubbaBubba_38:

(Start: 49 @25653 has 8 MA's), (69, 25734), (79, 25779), (97, 25848), (140, 26016), (160, 26100), (170, 26151), (202, 26274), (223, 26382), (228, 26400), (240, 26442), (247, 26463), (269, 26532), (270, 26538), (274, 26559),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 13

Candidate Starts for Hurricane_21:

(Start: 13 @16451 has 10 MA's), (37, 16574), (61, 16637), (62, 16643), (68, 16673), (74, 16706), (102, 16811), (107, 16832), (123, 16895), (128, 16934), (136, 16964), (154, 17051), (163, 17087), (205, 17234), (212, 17264), (215, 17273), (220, 17306), (221, 17309), (222, 17312), (240, 17399), (267, 17486), (277, 17549), (279, 17555),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Hyperbowlee_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 49

Candidate Starts for IDyn_41:

(Start: 49 @27049 has 8 MA's), (69, 27130), (79, 27175), (97, 27244), (140, 27412), (160, 27496), (170, 27547), (181, 27580), (202, 27670), (223, 27778), (240, 27838), (269, 27928), (270, 27934), (274, 27955),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 14

Candidate Starts for Illumine_22:

(Start: 14 @16034 has 231 MA's), (37, 16151), (70, 16262), (74, 16283), (82, 16310), (108, 16412), (140, 16565), (158, 16646), (169, 16700), (174, 16721), (177, 16736), (212, 16847), (220, 16889), (240, 16982), (248, 17006), (274, 17099), (279, 17138), (280, 17156),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Inky_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 17

Candidate Starts for InvictusManeo_20:

(Start: 17 @16423 has 36 MA's), (61, 16597), (73, 16663), (74, 16666), (82, 16693), (107, 16792), (128, 16894), (140, 16948), (146, 16978), (154, 17014), (155, 17017), (157, 17026), (173, 17101), (174, 17104), (182, 17140), (193, 17182), (205, 17200), (207, 17206), (212, 17230), (213, 17233), (220, 17272), (274, 17482), (279, 17521), (280, 17539),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 14

Candidate Starts for JAWS_22:

(Start: 14 @16005 has 231 MA's), (37, 16122), (66, 16212), (70, 16233), (74, 16254), (82, 16281), (140, 16536), (158, 16617), (174, 16692), (177, 16707), (212, 16818), (220, 16860), (240, 16953), (248, 16977), (274, 17070), (279, 17109), (280, 17127),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 14

Candidate Starts for JF1_23:

(Start: 14 @17489 has 231 MA's), (18, 17507), (29, 17579), (37, 17609), (66, 17699), (74, 17741), (81, 17765), (108, 17870), (156, 18092), (157, 18098), (192, 18248), (193, 18251), (205, 18269), (212, 18299), (220, 18341), (221, 18344), (230, 18395), (271, 18536), (274, 18551), (279, 18590), (280, 18608),

Gene: Jace_16 Start: 13933, Stop: 14742, Start Num: 58

Candidate Starts for Jace_16:

(Start: 58 @13933 has 1 MA's), (75, 14011), (91, 14062), (104, 14119), (107, 14134), (110, 14149), (123, 14176), (138, 14251), (148, 14305), (212, 14503), (238, 14614), (254, 14665), (261, 14698), (264, 14704),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 16

Candidate Starts for JacoRen57_16:

(Start: 16 @14312 has 4 MA's), (19, 14360), (52, 14465), (Start: 60 @14489 has 2 MA's), (61, 14492), (81, 14582), (83, 14588), (111, 14702), (112, 14711), (150, 14891), (157, 14924), (160, 14933), (187, 15062), (190, 15074), (193, 15083), (212, 15128), (215, 15137), (220, 15170), (223, 15191), (225, 15200), (240, 15260), (252, 15299), (255, 15305), (259, 15329), (277, 15410),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Jane_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Jarvi_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 14

Candidate Starts for Jayhawk_22:

(Start: 14 @16018 has 231 MA's), (37, 16135), (66, 16225), (70, 16246), (74, 16267), (82, 16294), (140, 16549), (158, 16630), (174, 16705), (177, 16720), (212, 16831), (220, 16873), (240, 16966), (248, 16990), (274, 17083), (279, 17122), (280, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Jeckyll_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Jeilious_17 Start: 15476, Stop: 16648, Start Num: 14

Candidate Starts for Jeilious_17:

(4, 15143), (Start: 14 @15476 has 231 MA's), (37, 15596), (48, 15614), (61, 15659), (62, 15665), (73, 15728), (84, 15764), (101, 15833), (102, 15836), (107, 15857), (121, 15911), (128, 15956), (136, 15986), (157, 16088), (161, 16100), (163, 16112), (166, 16130), (205, 16295), (212, 16325), (217, 16343), (220, 16367), (249, 16487), (274, 16577), (277, 16610),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 44

Candidate Starts for Jifall16_39:

(Start: 44 @29533 has 27 MA's), (69, 29620), (89, 29695), (105, 29761), (121, 29803), (131, 29860), (181, 30073), (187, 30100), (214, 30211), (240, 30343), (270, 30439),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Jolene_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 14

Candidate Starts for Jolie2_17:

(1, 13731), (4, 14433), (Start: 14 @14787 has 231 MA's), (29, 14886), (48, 14934), (61, 14979), (62, 14985), (66, 15009), (84, 15084), (101, 15153), (102, 15156), (108, 15180), (120, 15231), (121, 15237), (128, 15282), (161, 15426), (168, 15465), (172, 15486), (198, 15591), (222, 15699), (243, 15795), (274, 15903), (277, 15936), (279, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 33

Candidate Starts for JonJames_46:

(Start: 33 @32084 has 2 MA's), (66, 32171), (81, 32237), (86, 32252), (88, 32258), (132, 32429), (144, 32486), (157, 32540), (163, 32564), (188, 32663), (193, 32681), (212, 32729), (218, 32747), (222, 32771), (266, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Jonghyun_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for JorRay_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 14

Candidate Starts for Joy99_22:

(Start: 14 @15980 has 231 MA's), (37, 16097), (66, 16187), (70, 16208), (74, 16229), (82, 16256), (140, 16511), (158, 16592), (174, 16667), (177, 16682), (212, 16793), (220, 16835), (240, 16928), (248, 16952), (274, 17045), (279, 17084), (280, 17102),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 14

Candidate Starts for Juliette_23:

(Start: 14 @17390 has 231 MA's), (29, 17480), (37, 17510), (66, 17600), (74, 17642), (75, 17645), (78, 17657), (156, 17993), (157, 17999), (173, 18074), (193, 18152), (204, 18167), (212, 18200), (220, 18242), (221, 18245), (241, 18338), (274, 18452), (279, 18491), (280, 18509),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 46

Candidate Starts for Kabluna_43:

(Start: 46 @28640 has 6 MA's), (69, 28721), (77, 28757), (121, 28904), (170, 29138), (179, 29165), (214, 29309), (240, 29426), (270, 29522), (271, 29528), (274, 29543),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Kareem_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 14

Candidate Starts for Kasen3_17:

(4, 15145), (Start: 14 @15478 has 231 MA's), (37, 15598), (48, 15616), (61, 15661), (62, 15667), (73, 15730), (84, 15766), (101, 15835), (102, 15838), (107, 15859), (121, 15913), (128, 15958), (136, 15988), (157, 16090), (161, 16102), (163, 16114), (166, 16132), (205, 16297), (212, 16327), (217, 16345), (220, 16369), (249, 16489), (274, 16579), (277, 16612),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 13

Candidate Starts for Keshu_21:

(Start: 13 @16443 has 10 MA's), (37, 16566), (61, 16629), (62, 16635), (68, 16665), (74, 16698), (102, 16803), (107, 16824), (109, 16830), (123, 16887), (128, 16926), (136, 16956), (140, 16980), (154, 17043), (163, 17079), (205, 17226), (212, 17256), (215, 17265), (220, 17298), (221, 17301), (222, 17304), (240, 17391), (267, 17478), (277, 17541), (279, 17547),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 14

Candidate Starts for KiSi_21:

(Start: 14 @15189 has 231 MA's), (37, 15306), (48, 15324), (70, 15417), (82, 15465), (128, 15666), (140, 15720), (150, 15765), (154, 15786), (166, 15840), (173, 15873), (177, 15891), (193, 15954), (220, 16044), (221, 16047), (230, 16098), (240, 16137), (274, 16254), (279, 16293), (280, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 44

Candidate Starts for KidneyBean_40:

(Start: 44 @29657 has 27 MA's), (69, 29744), (89, 29819), (105, 29885), (121, 29927), (131, 29984), (181, 30197), (187, 30224), (214, 30335), (240, 30467), (270, 30563),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 34

Candidate Starts for Kimchi1738_30:

(Start: 34 @26704 has 8 MA's), (45, 26728), (63, 26773), (73, 26833), (109, 26968), (147, 27130), (156, 27163), (179, 27238), (184, 27262), (218, 27337), (229, 27403), (240, 27439), (249, 27466), (265, 27523),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 17

Candidate Starts for Kratio_19:

(Start: 17 @16054 has 36 MA's), (61, 16228), (73, 16294), (74, 16297), (82, 16324), (107, 16423), (128, 16525), (140, 16579), (146, 16609), (154, 16645), (155, 16648), (157, 16657), (173, 16732), (174, 16735), (182, 16771), (193, 16813), (205, 16831), (207, 16837), (212, 16861), (213, 16864), (220, 16903), (244, 17008), (274, 17113), (279, 17152), (280, 17170),

Gene: Kraw_23 Start: 17413, Stop: 18546, Start Num: 14

Candidate Starts for Kraw_23:

(Start: 14 @17413 has 231 MA's), (18, 17431), (29, 17503), (37, 17533), (66, 17623), (74, 17665), (81, 17689), (108, 17794), (156, 18016), (157, 18022), (192, 18172), (193, 18175), (205, 18193), (212, 18223), (220, 18265), (221, 18268), (230, 18319), (271, 18460), (274, 18475), (279, 18514), (280, 18532),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 14

Candidate Starts for Krueger_21:

(Start: 14 @15170 has 231 MA's), (37, 15290), (66, 15380), (82, 15449), (128, 15650), (158, 15785), (159, 15788), (177, 15875), (192, 15935), (205, 15956), (212, 15986), (220, 16028), (221, 16031), (222, 16034), (240, 16121), (248, 16145), (271, 16223), (274, 16238), (279, 16277), (280, 16295),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 44

Candidate Starts for Kurt_40:

(Start: 44 @29894 has 27 MA's), (69, 29981), (89, 30056), (105, 30122), (121, 30164), (131, 30221), (181, 30434), (187, 30461), (214, 30572), (240, 30704), (270, 30800),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 17

Candidate Starts for Larva_20:

(Start: 17 @16169 has 36 MA's), (61, 16343), (73, 16409), (82, 16439), (107, 16538), (128, 16640), (140, 16694), (146, 16724), (154, 16760), (155, 16763), (157, 16772), (173, 16847), (174, 16850), (182, 16886), (193, 16928), (205, 16946), (207, 16952), (212, 16976), (213, 16979), (220, 17018), (243, 17120), (274, 17228), (279, 17267), (280, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 14

Candidate Starts for LastHope_22:

(Start: 14 @15314 has 231 MA's), (37, 15431), (70, 15542), (82, 15590), (108, 15692), (140, 15845), (158, 15926), (177, 16016), (212, 16127), (220, 16169), (240, 16262), (248, 16286), (274, 16379), (279, 16418), (280, 16436),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 14

Candidate Starts for LaterM_22:

(Start: 14 @15979 has 231 MA's), (37, 16096), (70, 16207), (74, 16228), (82, 16255), (108, 16357), (140, 16510), (158, 16591), (177, 16681), (212, 16792), (220, 16834), (240, 16927), (248, 16951), (274, 17044), (279, 17083), (280, 17101),

Gene: Lavahound_20 Start: 16119, Stop: 17255, Start Num: 14

Candidate Starts for Lavahound_20:

(Start: 14 @16119 has 231 MA's), (37, 16236), (56, 16287), (82, 16395), (108, 16497), (109, 16500), (128, 16596), (140, 16650), (154, 16716), (157, 16728), (220, 16974), (221, 16977), (248, 17091), (274, 17184), (279, 17223), (280, 17241),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 14

Candidate Starts for LeMond_21:

(Start: 14 @15260 has 231 MA's), (37, 15377), (48, 15395), (61, 15440), (70, 15488), (82, 15536), (128, 15737), (140, 15791), (150, 15836), (154, 15857), (166, 15911), (173, 15944), (177, 15962), (193, 16025), (220, 16115), (221, 16118), (230, 16169), (240, 16208), (274, 16325), (279, 16364), (280, 16382),

Gene: Lea83_21 Start: 16440, Stop: 17576, Start Num: 13

Candidate Starts for Lea83_21:

(Start: 13 @16440 has 10 MA's), (37, 16563), (61, 16626), (62, 16632), (68, 16662), (102, 16800), (107, 16821), (109, 16827), (123, 16884), (128, 16923), (136, 16953), (154, 17040), (163, 17076), (205, 17223), (212, 17253), (215, 17262), (220, 17295), (221, 17298), (222, 17301), (240, 17388), (267, 17475), (277, 17538), (279, 17544),

Gene: Lebo14_23 Start: 17506, Stop: 18639, Start Num: 14

Candidate Starts for Lebo14_23:

(Start: 14 @17506 has 231 MA's), (18, 17524), (29, 17596), (37, 17626), (66, 17716), (74, 17758), (81, 17782), (108, 17887), (140, 18040), (156, 18109), (157, 18115), (193, 18268), (205, 18286), (212, 18316), (220, 18358), (221, 18361), (271, 18553), (274, 18568), (279, 18607), (280, 18625),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 14

Candidate Starts for Lemuria_17:

(Start: 14 @14821 has 231 MA's), (48, 14968), (61, 15013), (62, 15019), (81, 15109), (101, 15187), (102, 15190), (107, 15211), (108, 15214), (120, 15265), (121, 15271), (128, 15316), (161, 15460), (166, 15490), (173, 15523), (198, 15625), (207, 15661), (212, 15685), (222, 15733), (243, 15829), (270, 15916), (274, 15937), (277, 15970), (279, 15976),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 17

Candidate Starts for Leston_20:

(Start: 17 @16453 has 36 MA's), (73, 16693), (74, 16696), (82, 16723), (107, 16822), (128, 16924), (140, 16978), (146, 17008), (154, 17044), (155, 17047), (157, 17056), (173, 17131), (174, 17134), (193, 17212), (205, 17230), (207, 17236), (212, 17260), (213, 17263), (215, 17269), (220, 17302), (274, 17512), (279, 17551), (280, 17569),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 14

Candidate Starts for Liefie_17:

(4, 15143), (Start: 14 @15476 has 231 MA's), (37, 15596), (48, 15614), (61, 15659), (62, 15665), (73, 15728), (84, 15764), (101, 15833), (102, 15836), (107, 15857), (121, 15911), (128, 15956), (136, 15986), (157, 16088), (161, 16100), (166, 16130), (205, 16295), (212, 16325), (217, 16343), (220, 16367), (249, 16487), (274, 16577), (277, 16610),

Gene: LilDirt_19 Start: 16180, Stop: 17310, Start Num: 17

Candidate Starts for LilDirt_19:

(Start: 17 @16180 has 36 MA's), (61, 16354), (73, 16420), (74, 16423), (82, 16450), (107, 16549), (128, 16651), (140, 16705), (146, 16735), (154, 16771), (155, 16774), (157, 16783), (173, 16858), (174, 16861), (182, 16897), (193, 16939), (205, 16957), (207, 16963), (212, 16987), (213, 16990), (220, 17029), (274, 17239), (279, 17278), (280, 17296),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for LilPharaoh_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 14

Candidate Starts for LindNT_22:

(Start: 14 @15985 has 231 MA's), (37, 16102), (66, 16192), (70, 16213), (74, 16234), (82, 16261), (140, 16516), (158, 16597), (174, 16672), (177, 16687), (212, 16798), (220, 16840), (240, 16933), (248, 16957), (274, 17050), (279, 17089), (280, 17107),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Llorens_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 44

Candidate Starts for Lollipop1437_45:

(Start: 44 @30536 has 27 MA's), (69, 30614), (89, 30689), (121, 30797), (138, 30881), (179, 31061), (181, 31067), (228, 31283), (240, 31322), (260, 31397), (270, 31418), (274, 31439),

Gene: LongHai_21 Start: 15192, Stop: 16304, Start Num: 16

Candidate Starts for LongHai_21:

(Start: 16 @15192 has 4 MA's), (19, 15240), (Start: 58 @15348 has 1 MA's), (61, 15357), (75, 15426), (83, 15453), (120, 15600), (141, 15708), (157, 15783), (160, 15792), (167, 15828), (182, 15897), (193, 15939), (212, 15984), (215, 15993), (224, 16050), (236, 16101), (255, 16161), (277, 16266),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for LouisV14_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 43

Candidate Starts for Lozinak_47:

(Start: 40 @28706 has 11 MA's), (Start: 43 @28712 has 12 MA's), (Start: 60 @28760 has 2 MA's), (66, 28787), (83, 28859), (99, 28925), (107, 28955), (137, 29063), (157, 29156), (163, 29180), (165, 29195), (193, 29291), (212, 29339), (256, 29519), (268, 29555),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Lunahalos_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 14

Candidate Starts for MOOREtheMARYer_17:

(Start: 10 @15684 has 1 MA's), (Start: 14 @15720 has 231 MA's), (48, 15864), (62, 15915), (74, 15981), (75, 15984), (84, 16014), (102, 16086), (120, 16155), (121, 16161), (147, 16296), (161, 16350), (172, 16410), (199, 16518), (205, 16545), (212, 16575), (220, 16617), (243, 16719), (263, 16791), (265, 16794), (271, 16812), (277, 16860),

Gene: MZKinsey_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for MZKinsey_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 60

Candidate Starts for MacGully_49:

(27, 30635), (Start: 41 @30683 has 6 MA's), (Start: 60 @30719 has 2 MA's), (61, 30722), (100, 30890), (102, 30896), (134, 31013), (138, 31031), (140, 31046), (157, 31121), (170, 31181), (179, 31220), (181, 31226), (214, 31364), (223, 31424), (231, 31457), (240, 31481), (258, 31544), (270, 31577),

(271, 31583),

Gene: MacKat_22 Start: 16028, Stop: 17164, Start Num: 14

Candidate Starts for MacKat_22:

(Start: 14 @16028 has 231 MA's), (37, 16145), (66, 16235), (70, 16256), (74, 16277), (82, 16304), (140, 16559), (158, 16640), (174, 16715), (177, 16730), (212, 16841), (220, 16883), (240, 16976), (248, 17000), (274, 17093), (279, 17132), (280, 17150),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 13

Candidate Starts for MacnCheese_22:

(Start: 13 @16685 has 10 MA's), (37, 16808), (61, 16871), (62, 16877), (66, 16898), (68, 16907), (74, 16940), (102, 17045), (107, 17066), (128, 17168), (136, 17198), (140, 17222), (145, 17243), (154, 17285), (163, 17321), (205, 17468), (212, 17498), (215, 17507), (220, 17540), (221, 17543), (222, 17546), (240, 17633), (252, 17672), (267, 17720), (276, 17777), (277, 17783), (279, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 16

Candidate Starts for Maco6_18:

(Start: 16 @14149 has 4 MA's), (19, 14197), (Start: 58 @14305 has 1 MA's), (61, 14314), (75, 14383), (78, 14395), (83, 14410), (120, 14557), (141, 14665), (157, 14740), (160, 14749), (167, 14785), (182, 14854), (193, 14896), (212, 14941), (215, 14950), (224, 15007), (252, 15112), (277, 15223),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 26

Candidate Starts for MalagasyRose_23:

(Start: 26 @15476 has 1 MA's), (38, 15518), (Start: 49 @15542 has 8 MA's), (61, 15581), (75, 15650), (82, 15674), (84, 15680), (93, 15719), (108, 15776), (115, 15803), (119, 15809), (123, 15830), (124, 15833), (131, 15881), (136, 15899), (140, 15923), (141, 15926), (154, 15989), (157, 16001), (160, 16010), (162, 16016), (166, 16043), (167, 16046), (176, 16091), (186, 16133), (205, 16187), (209, 16205), (225, 16307), (230, 16328), (236, 16352), (265, 16454), (271, 16472), (274, 16487), (278, 16523),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Maliketh_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 14

Candidate Starts for Malthus_24:

(Start: 14 @17413 has 231 MA's), (18, 17431), (29, 17503), (37, 17533), (66, 17623), (74, 17665), (81, 17689), (108, 17794), (156, 18016), (157, 18022), (192, 18172), (193, 18175), (205, 18193), (212, 18223), (220, 18265), (221, 18268), (230, 18319), (271, 18460), (274, 18475), (279, 18514), (280, 18532),

Gene: Manilisa_22 Start: 18190, Stop: 19050, Start Num: 41

Candidate Starts for Manilisa_22:

(Start: 41 @18190 has 6 MA's), (47, 18196), (57, 18232), (Start: 58 @18235 has 1 MA's), (98, 18403), (103, 18418), (106, 18430), (132, 18526), (133, 18529), (135, 18538), (138, 18550), (140, 18565), (169, 18694), (211, 18814), (218, 18835), (221, 18856), (227, 18886), (252, 18976),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 17

Candidate Starts for Marcoliusprime_18:

(Start: 17 @13889 has 36 MA's), (18, 13898), (37, 14000), (66, 14090), (74, 14132), (75, 14135), (82, 14159), (107, 14258), (123, 14321), (128, 14360), (140, 14414), (154, 14480), (157, 14492), (168, 14543), (173, 14567), (193, 14645), (205, 14663), (212, 14693), (215, 14702), (220, 14735), (221, 14738), (248, 14852), (271, 14930), (274, 14945), (279, 14984), (280, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 36

Candidate Starts for Mareelih_98:

(Start: 36 @58510 has 5 MA's), (Start: 49 @58525 has 8 MA's), (51, 58531), (53, 58537), (81, 58654), (82, 58657), (94, 58708), (104, 58744), (139, 58879), (146, 58915), (153, 58945), (213, 59197), (222, 59242), (226, 59272), (228, 59278), (240, 59305), (250, 59344), (271, 59413),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 49

Candidate Starts for Marietta_42:

(Start: 49 @26965 has 8 MA's), (69, 27046), (79, 27091), (97, 27160), (131, 27286), (140, 27328), (160, 27412), (170, 27463), (181, 27496), (202, 27586), (223, 27694), (228, 27712), (240, 27754), (269, 27844), (270, 27850), (274, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 14

Candidate Starts for MarkPhew_22:

(Start: 14 @15151 has 231 MA's), (37, 15268), (48, 15286), (66, 15358), (70, 15379), (82, 15427), (108, 15529), (109, 15532), (128, 15628), (150, 15727), (154, 15748), (173, 15835), (177, 15853), (193, 15916), (220, 16006), (221, 16009), (240, 16099), (274, 16216), (276, 16243), (279, 16255), (280, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Marmie_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 14

Candidate Starts for Marshawn_23:

(11, 15754), (Start: 14 @15766 has 231 MA's), (37, 15886), (66, 15976), (82, 16045), (128, 16246), (140, 16300), (154, 16366), (157, 16378), (168, 16429), (207, 16558), (212, 16582), (220, 16624), (221, 16627), (222, 16630), (230, 16678), (240, 16717), (276, 16861), (279, 16873), (280, 16891),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 42

Candidate Starts for Maselop_44:

(Start: 42 @30439 has 5 MA's), (Start: 60 @30475 has 2 MA's), (89, 30592), (97, 30631), (102, 30649), (121, 30700), (140, 30799), (157, 30874), (160, 30883), (175, 30958), (181, 30979), (214, 31117), (220, 31153), (227, 31192), (240, 31234), (258, 31297), (270, 31330),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 14

Candidate Starts for McMater_22:

(Start: 14 @15375 has 231 MA's), (37, 15495), (66, 15585), (82, 15654), (107, 15753), (108, 15756), (128, 15855), (140, 15909), (158, 15990), (174, 16065), (177, 16080), (207, 16167), (212, 16191), (220, 16233), (221, 16236), (230, 16287), (240, 16326), (265, 16410), (271, 16428), (274, 16443), (279, 16482), (280, 16500),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 14

Candidate Starts for Mdavu_18:

(Start: 14 @15542 has 231 MA's), (37, 15665), (66, 15755), (82, 15824), (107, 15923), (108, 15926), (128, 16025), (158, 16160), (212, 16361), (220, 16403), (221, 16406), (240, 16496), (248, 16520), (274, 16613), (279, 16652), (280, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 14

Candidate Starts for MeaningOfLife_22:

(Start: 14 @15987 has 231 MA's), (37, 16104), (66, 16194), (70, 16215), (74, 16236), (82, 16263), (140, 16518), (158, 16599), (174, 16674), (177, 16689), (212, 16800), (215, 16809), (220, 16842), (240, 16935), (248, 16959), (274, 17052), (279, 17091), (280, 17109),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 14

Candidate Starts for Megsy_22:

(Start: 14 @15988 has 231 MA's), (37, 16105), (66, 16195), (70, 16216), (74, 16237), (82, 16264), (140, 16519), (158, 16600), (174, 16675), (177, 16690), (212, 16801), (220, 16843), (240, 16936), (244, 16948), (248, 16960), (274, 17053), (279, 17092), (280, 17110),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 44

Candidate Starts for MerCougar_41:

(Start: 44 @29816 has 27 MA's), (69, 29903), (77, 29939), (89, 29978), (179, 30347), (214, 30491), (240, 30608), (270, 30704), (271, 30710), (274, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 14

Candidate Starts for Mercurio_18:

(Start: 14 @15481 has 231 MA's), (48, 15628), (61, 15673), (62, 15679), (81, 15769), (101, 15847), (102, 15850), (107, 15871), (108, 15874), (120, 15925), (121, 15931), (128, 15976), (161, 16120), (166, 16150), (173, 16183), (198, 16285), (207, 16321), (212, 16345), (222, 16393), (243, 16489), (265, 16564), (274, 16597), (277, 16630), (279, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 41

Candidate Starts for Meyran_20:

(Start: 41 @18053 has 6 MA's), (47, 18059), (57, 18095), (Start: 58 @18098 has 1 MA's), (98, 18266), (103, 18281), (106, 18293), (132, 18389), (133, 18392), (135, 18401), (138, 18413), (140, 18428), (169, 18557), (211, 18677), (218, 18698), (221, 18719), (227, 18749), (252, 18839),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 17

Candidate Starts for Milly_18:

(Start: 17 @13889 has 36 MA's), (18, 13898), (37, 14000), (66, 14090), (74, 14132), (75, 14135), (82, 14159), (107, 14258), (123, 14321), (128, 14360), (140, 14414), (154, 14480), (157, 14492), (168, 14543), (173, 14567), (193, 14645), (205, 14663), (212, 14693), (215, 14702), (220, 14735), (221, 14738), (248, 14852), (271, 14930), (274, 14945), (279, 14984), (280, 15002),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 17

Candidate Starts for Miryou_20:

(Start: 17 @16308 has 36 MA's), (74, 16551), (82, 16578), (107, 16677), (128, 16779), (140, 16833), (146, 16863), (154, 16899), (155, 16902), (157, 16911), (173, 16986), (174, 16989), (182, 17025), (193, 17067), (205, 17085), (207, 17091), (212, 17115), (213, 17118), (215, 17124), (220, 17157), (274, 17367), (279, 17406), (280, 17424),

Gene: Miskis_45 Start: 28475, Stop: 29356, Start Num: 43

Candidate Starts for Miskis_45:

(Start: 40 @28469 has 11 MA's), (Start: 43 @28475 has 12 MA's), (Start: 60 @28523 has 2 MA's), (66, 28550), (83, 28622), (99, 28688), (107, 28718), (137, 28826), (157, 28919), (163, 28943), (165, 28958), (193, 29054), (212, 29102), (256, 29282), (268, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 14

Candidate Starts for MissDaisy_23:

(Start: 14 @17255 has 231 MA's), (18, 17273), (29, 17345), (37, 17375), (66, 17465), (68, 17474), (74, 17507), (81, 17531), (108, 17636), (140, 17789), (156, 17858), (157, 17864), (193, 18017), (205, 18035), (212, 18065), (220, 18107), (221, 18110), (271, 18302), (274, 18317), (279, 18356), (280, 18374),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 14

Candidate Starts for Mitti_23:

(Start: 14 @17413 has 231 MA's), (18, 17431), (29, 17503), (37, 17533), (66, 17623), (74, 17665), (81, 17689), (108, 17794), (140, 17947), (156, 18016), (157, 18022), (193, 18175), (205, 18193), (212, 18223), (220, 18265), (221, 18268), (271, 18460), (274, 18475), (279, 18514), (280, 18532),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 40

Candidate Starts for Mollymur_30:

(21, 27171), (Start: 40 @27246 has 11 MA's), (50, 27267), (71, 27345), (83, 27393), (86, 27402), (107, 27489), (140, 27618), (157, 27690), (159, 27696), (193, 27825), (227, 27948), (232, 27969), (239, 27996),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Mowgli_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 16

Candidate Starts for Muddy_20:

(Start: 16 @15099 has 4 MA's), (19, 15147), (Start: 58 @15255 has 1 MA's), (61, 15264), (75, 15333), (83, 15360), (120, 15507), (141, 15615), (157, 15690), (160, 15699), (167, 15735), (182, 15804), (193, 15846), (212, 15891), (215, 15900), (224, 15957), (252, 16062), (277, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 17

Candidate Starts for Mufasa_18:

(Start: 17 @13909 has 36 MA's), (18, 13918), (37, 14020), (66, 14110), (74, 14152), (82, 14179), (106, 14272), (107, 14278), (123, 14341), (128, 14380), (140, 14434), (157, 14512), (168, 14563), (173, 14587), (193, 14665), (205, 14683), (212, 14713), (220, 14755), (221, 14758), (248, 14872), (271, 14950), (274, 14965), (279, 15004), (280, 15022),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 14

Candidate Starts for Murucutumbu_22:

(Start: 14 @15969 has 231 MA's), (37, 16086), (70, 16197), (74, 16218), (82, 16245), (108, 16347), (140, 16500), (158, 16581), (177, 16671), (212, 16782), (220, 16824), (240, 16917), (248, 16941), (274, 17034), (279, 17073), (280, 17091),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 14

Candidate Starts for Mynx_22:

(Start: 14 @16034 has 231 MA's), (37, 16151), (66, 16241), (70, 16262), (74, 16283), (82, 16310), (140, 16565), (158, 16646), (174, 16721), (177, 16736), (212, 16847), (220, 16889), (240, 16982), (248, 17006), (274, 17099), (279, 17138), (280, 17156),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 49

Candidate Starts for NadineRae_40:

(Start: 49 @26218 has 8 MA's), (69, 26299), (79, 26344), (97, 26413), (131, 26539), (140, 26581), (160, 26665), (170, 26716), (181, 26749), (223, 26947), (228, 26965), (240, 27007), (270, 27103), (274, 27124),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 44

Candidate Starts for NatB6_40:

(Start: 44 @28930 has 27 MA's), (69, 29017), (89, 29092), (105, 29158), (121, 29200), (131, 29257), (181, 29470), (187, 29497), (214, 29608), (240, 29740), (270, 29836),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 24

Candidate Starts for Nebkiss_14:

(Start: 24 @13326 has 2 MA's), (25, 13329), (55, 13422), (59, 13428), (68, 13473), (73, 13503), (81, 13530), (82, 13533), (84, 13539), (89, 13554), (90, 13557), (106, 13626), (107, 13632), (123, 13710), (133, 13767), (140, 13803), (154, 13869), (157, 13881), (178, 13983), (179, 13986), (185, 14013), (200, 14076), (220, 14157), (222, 14163), (232, 14220), (240, 14250), (245, 14265), (252, 14289), (255, 14295), (271, 14352), (280, 14424),

Gene: Neighly_20 Start: 16168, Stop: 17298, Start Num: 17

Candidate Starts for Neighly_20:

(Start: 17 @16168 has 36 MA's), (61, 16342), (73, 16408), (82, 16438), (107, 16537), (128, 16639), (140, 16693), (146, 16723), (154, 16759), (155, 16762), (157, 16771), (173, 16846), (174, 16849), (182, 16885), (193, 16927), (205, 16945), (207, 16951), (212, 16975), (213, 16978), (220, 17017), (243, 17119), (274, 17227), (279, 17266), (280, 17284),

Gene: Neoh_17 Start: 15469, Stop: 16641, Start Num: 14

Candidate Starts for Neoh_17:

(4, 15136), (Start: 14 @15469 has 231 MA's), (37, 15589), (48, 15607), (61, 15652), (62, 15658), (73, 15721), (84, 15757), (101, 15826), (102, 15829), (107, 15850), (121, 15904), (128, 15949), (136, 15979), (157, 16081), (161, 16093), (163, 16105), (166, 16123), (205, 16288), (212, 16318), (217, 16336), (220, 16360), (249, 16480), (274, 16570), (277, 16603),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 20

Candidate Starts for Nergal_21:

(Start: 20 @15940 has 1 MA's), (23, 15961), (68, 16105), (73, 16135), (78, 16153), (82, 16165), (93, 16210), (108, 16267), (123, 16312), (154, 16471), (157, 16483), (162, 16498), (166, 16525), (176, 16573), (186, 16615), (199, 16645), (207, 16678), (209, 16690), (220, 16747), (226, 16783), (236, 16825), (248, 16864), (259, 16912), (265, 16927), (271, 16945), (277, 16993), (278, 16996),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 14

Candidate Starts for Nibb_21:

(Start: 14 @15295 has 231 MA's), (37, 15412), (48, 15430), (66, 15502), (70, 15523), (82, 15571), (128, 15772), (150, 15871), (154, 15892), (173, 15979), (193, 16060), (220, 16150), (221, 16153), (240, 16243), (274, 16360), (276, 16387), (279, 16399), (280, 16417),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Nikao_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 14

Candidate Starts for Niklas_22:

(Start: 14 @15378 has 231 MA's), (37, 15498), (66, 15588), (82, 15657), (107, 15756), (108, 15759), (128, 15858), (140, 15912), (158, 15993), (174, 16068), (177, 16083), (207, 16170), (212, 16194), (220, 16236), (221, 16239), (230, 16290), (240, 16329), (265, 16413), (271, 16431), (274, 16446), (279, 16485), (280, 16503),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 16

Candidate Starts for NoShow_17:

(Start: 16 @14354 has 4 MA's), (19, 14402), (52, 14507), (Start: 60 @14531 has 2 MA's), (81, 14624), (112, 14753), (141, 14888), (154, 14954), (157, 14966), (160, 14975), (172, 15041), (186, 15101), (187, 15104), (193, 15125), (206, 15146), (212, 15170), (215, 15179), (220, 15212), (223, 15233), (259, 15371), (275, 15422), (277, 15452), (279, 15458),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 40

Candidate Starts for Norvs_48:

(Start: 40 @28708 has 11 MA's), (Start: 43 @28714 has 12 MA's), (Start: 60 @28762 has 2 MA's), (66, 28789), (83, 28861), (99, 28927), (107, 28957), (137, 29065), (157, 29158), (163, 29182), (165, 29197), (193, 29293), (212, 29341), (256, 29521), (268, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 46

Candidate Starts for NosilaM_43:

(Start: 46 @29537 has 6 MA's), (69, 29618), (77, 29654), (121, 29801), (170, 30035), (179, 30062), (214, 30206), (218, 30224), (240, 30323), (270, 30419), (271, 30425), (274, 30440),

Gene: November_20 Start: 16335, Stop: 17471, Start Num: 14

Candidate Starts for November_20:

(Start: 14 @16335 has 231 MA's), (37, 16452), (48, 16470), (56, 16503), (66, 16542), (82, 16611), (109, 16716), (128, 16812), (140, 16866), (154, 16932), (157, 16944), (193, 17100), (207, 17124), (220, 17190), (221, 17193), (222, 17196), (240, 17283), (274, 17400), (280, 17457),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 44

Candidate Starts for NovumRegina_40:

(Start: 44 @29260 has 27 MA's), (69, 29347), (89, 29422), (105, 29488), (121, 29530), (131, 29587), (181, 29800), (187, 29827), (214, 29938), (240, 30070), (270, 30166),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Nutello_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 40

Candidate Starts for Nyceirae_22:

(Start: 40 @17929 has 11 MA's), (51, 17938), (57, 17959), (Start: 58 @17962 has 1 MA's), (89, 18085), (103, 18145), (106, 18157), (132, 18253), (133, 18256), (140, 18292), (169, 18421), (211, 18541), (218, 18562), (227, 18613), (237, 18649), (252, 18703),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for OctaviousRex_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 17

Candidate Starts for OkiRoe_20:

(Start: 17 @16324 has 36 MA's), (73, 16564), (74, 16567), (82, 16594), (107, 16693), (128, 16795), (140, 16849), (146, 16879), (154, 16915), (155, 16918), (157, 16927), (173, 17002), (174, 17005), (182, 17041), (193, 17083), (205, 17101), (207, 17107), (212, 17131), (213, 17134), (215, 17140), (220, 17173), (274, 17383), (279, 17422), (280, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Olga_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 14

Candidate Starts for OmniCritical_23:

(Start: 14 @17398 has 231 MA's), (18, 17416), (29, 17488), (37, 17518), (66, 17608), (74, 17650), (81, 17674), (108, 17779), (140, 17932), (156, 18001), (157, 18007), (193, 18160), (205, 18178), (212, 18208), (220, 18250), (221, 18253), (271, 18445), (274, 18460), (279, 18499), (280, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 17

Candidate Starts for Omnicron_20:

(Start: 17 @15090 has 36 MA's), (48, 15219), (61, 15264), (73, 15330), (74, 15333), (82, 15360), (92, 15402), (107, 15459), (128, 15561), (140, 15615), (146, 15645), (154, 15681), (157, 15693), (168, 15744), (173, 15768), (181, 15801), (193, 15849), (207, 15873), (212, 15897), (213, 15900), (220, 15939), (274, 16149), (279, 16188), (280, 16206),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 41

Candidate Starts for OneUp_41:

(7, 25920), (8, 25944), (9, 25953), (Start: 41 @26148 has 6 MA's), (Start: 60 @26196 has 2 MA's), (83, 26295), (88, 26310), (123, 26427), (144, 26538), (157, 26592), (163, 26616), (165, 26631), (192, 26724), (193, 26727), (204, 26742), (212, 26775), (251, 26940), (266, 26988), (268, 26991),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 14

Candidate Starts for Oscar_21:

(Start: 14 @15261 has 231 MA's), (37, 15378), (48, 15396), (61, 15441), (70, 15489), (82, 15537), (128, 15738), (140, 15792), (150, 15837), (154, 15858), (166, 15912), (173, 15945), (177, 15963), (193, 16026), (220, 16116), (221, 16119), (230, 16170), (240, 16209), (274, 16326), (279, 16365), (280, 16383),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 44

Candidate Starts for Outis_41:

(Start: 44 @29510 has 27 MA's), (69, 29597), (77, 29633), (89, 29672), (179, 30041), (214, 30185), (240, 30302), (270, 30398), (271, 30404), (274, 30419),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 34

Candidate Starts for P1201_46:

(Start: 34 @33556 has 8 MA's), (73, 33685), (97, 33775), (99, 33784), (105, 33802), (156, 34015), (164, 34057), (184, 34132), (189, 34150), (190, 34153), (195, 34174), (221, 34246), (226, 34279), (240, 34327),

Gene: P3MA_17 Start: 13196, Stop: 14293, Start Num: 22

Candidate Starts for P3MA_17:

(Start: 22 @13196 has 1 MA's), (48, 13280), (62, 13331), (73, 13391), (74, 13394), (78, 13409), (92, 13463), (113, 13547), (129, 13640), (131, 13649), (157, 13769), (166, 13811), (174, 13847), (181, 13874), (193, 13922), (205, 13940), (209, 13958), (212, 13970), (213, 13973), (219, 14003), (220, 14006), (222, 14012), (233, 14072), (257, 14162), (262, 14183), (271, 14207), (274, 14222), (277, 14255), (279, 14261), (281, 14285),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 10

Candidate Starts for Pace1224_17:

(4, 15304), (Start: 10 @15628 has 1 MA's), (Start: 14 @15664 has 231 MA's), (37, 15790), (62, 15850), (66, 15874), (74, 15916), (75, 15919), (84, 15949), (102, 16021), (108, 16045), (111, 16060), (112, 16066), (120, 16105), (121, 16111), (150, 16255), (153, 16273), (159, 16294), (161, 16300), (164, 16324), (172, 16360), (212, 16525), (220, 16567), (222, 16573), (265, 16744), (277, 16810),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Padfoot_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 14

Candidate Starts for Padpat_22:

(Start: 14 @16011 has 231 MA's), (37, 16128), (66, 16218), (70, 16239), (74, 16260), (82, 16287), (140, 16542), (158, 16623), (174, 16698), (177, 16713), (212, 16824), (220, 16866), (240, 16959), (248, 16983), (274, 17076), (279, 17115), (280, 17133),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 14

Candidate Starts for Paito_17:

(Start: 14 @15610 has 231 MA's), (37, 15730), (48, 15748), (62, 15799), (66, 15823), (73, 15862), (81, 15889), (101, 15967), (102, 15970), (107, 15991), (121, 16045), (136, 16120), (157, 16222), (161, 16234), (205, 16429), (212, 16459), (217, 16477), (236, 16579), (277, 16744),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 17

Candidate Starts for Paola_20:

(Start: 17 @16323 has 36 MA's), (73, 16563), (74, 16566), (82, 16593), (107, 16692), (128, 16794), (140, 16848), (146, 16878), (154, 16914), (155, 16917), (157, 16926), (173, 17001), (174, 17004), (193, 17082), (205, 17100), (207, 17106), (212, 17130), (213, 17133), (215, 17139), (220, 17172), (274, 17382), (279, 17421), (280, 17439),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 44

Candidate Starts for Patio_43:

(Start: 44 @29772 has 27 MA's), (69, 29850), (89, 29925), (121, 30033), (138, 30117), (179, 30297), (181, 30303), (228, 30519), (240, 30558), (260, 30633), (267, 30645), (270, 30654), (274, 30675),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 14

Candidate Starts for Patt_23:

(Start: 14 @17231 has 231 MA's), (18, 17249), (29, 17321), (37, 17351), (66, 17441), (68, 17450), (74, 17483), (81, 17507), (108, 17612), (140, 17765), (156, 17834), (157, 17840), (193, 17993), (205, 18011), (212, 18041), (220, 18083), (221, 18086), (271, 18278), (274, 18293), (279, 18332), (280, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 14

Candidate Starts for Peanam_22:

(Start: 14 @15375 has 231 MA's), (37, 15495), (66, 15585), (82, 15654), (107, 15753), (108, 15756), (128, 15855), (140, 15909), (158, 15990), (174, 16065), (177, 16080), (207, 16167), (212, 16191), (220, 16233), (221, 16236), (230, 16287), (240, 16326), (265, 16410), (271, 16428), (274, 16443), (279, 16482), (280, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Peeb_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Peel_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Pemberton_44 Start: 26958, Stop: 27878, Start Num: 49

Candidate Starts for Pemberton_44:

(Start: 49 @26958 has 8 MA's), (69, 27039), (79, 27084), (97, 27153), (140, 27321), (160, 27405), (170, 27456), (181, 27489), (223, 27687), (228, 27705), (240, 27747), (269, 27837), (270, 27843), (274, 27864),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Periodt_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 34

Candidate Starts for PeteyPab_32:

(Start: 34 @28461 has 8 MA's), (45, 28485), (63, 28530), (73, 28590), (85, 28629), (109, 28725), (147, 28887), (156, 28920), (179, 28995), (184, 29019), (229, 29160), (240, 29196), (249, 29223), (265, 29280),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 13

Candidate Starts for Pharb_21:

(Start: 13 @16291 has 10 MA's), (37, 16414), (48, 16432), (61, 16477), (62, 16483), (68, 16513), (74, 16546), (102, 16651), (107, 16672), (109, 16678), (123, 16735), (128, 16774), (136, 16804), (154, 16891), (163, 16927), (205, 17074), (212, 17104), (215, 17113), (220, 17146), (221, 17149), (222, 17152), (233, 17212), (240, 17239), (267, 17326), (276, 17383), (277, 17389), (279, 17395),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 14

Candidate Starts for PhelpsODU_21:

(Start: 14 @15233 has 231 MA's), (37, 15353), (66, 15443), (82, 15512), (128, 15713), (140, 15767), (146, 15797), (177, 15938), (192, 15998), (205, 16019), (212, 16049), (220, 16091), (221, 16094), (222, 16097), (240, 16184), (248, 16208), (271, 16286), (274, 16301), (279, 16340), (280, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 32

Candidate Starts for Phendrix_86:

(Start: 32 @51239 has 2 MA's), (51, 51278), (76, 51383), (82, 51404), (94, 51455), (96, 51461), (105, 51494), (146, 51662), (153, 51692), (194, 51872), (210, 51926), (214, 51947), (221, 51986), (222, 51989), (225, 52016), (226, 52019), (228, 52025), (240, 52052), (246, 52070), (256, 52109), (270, 52154), (271, 52160), (272, 52163),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 43

Candidate Starts for PhinkBoden_47:

(Start: 43 @29095 has 12 MA's), (Start: 60 @29143 has 2 MA's), (66, 29170), (83, 29242), (99, 29308), (107, 29338), (137, 29446), (157, 29539), (163, 29563), (165, 29578), (193, 29674), (212, 29722), (256, 29902), (268, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Phish_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 41

Candidate Starts for Phishy_21:

(Start: 41 @17919 has 6 MA's), (47, 17925), (57, 17961), (Start: 58 @17964 has 1 MA's), (81, 18063), (98, 18132), (103, 18147), (106, 18159), (132, 18255), (133, 18258), (135, 18267), (138, 18279), (140, 18294), (169, 18423), (211, 18543), (218, 18564), (252, 18705),

Gene: Phloodle_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Phloodle_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 44

Candidate Starts for Phomeo_39:

(Start: 44 @29529 has 27 MA's), (69, 29616), (89, 29691), (105, 29757), (121, 29799), (131, 29856), (181, 30069), (187, 30096), (214, 30207), (240, 30339), (270, 30435),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 14

Candidate Starts for Phrank_21:

(Start: 14 @15187 has 231 MA's), (37, 15307), (66, 15397), (82, 15466), (128, 15667), (177, 15892), (192, 15952), (205, 15973), (220, 16045), (221, 16048), (222, 16051), (240, 16138), (248, 16162), (271, 16240), (274, 16255), (279, 16294), (280, 16312),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Phreak_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Piatt_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999),

(248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 14

Candidate Starts for PinkYoshi_17:

(4, 15135), (Start: 14 @15468 has 231 MA's), (37, 15588), (48, 15606), (61, 15651), (62, 15657), (73, 15720), (84, 15756), (101, 15825), (102, 15828), (107, 15849), (121, 15903), (128, 15948), (136, 15978), (157, 16080), (161, 16092), (163, 16104), (166, 16122), (205, 16287), (212, 16317), (217, 16335), (220, 16359), (249, 16479), (274, 16569), (277, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 14

Candidate Starts for Pinnie_18:

(Start: 14 @16180 has 231 MA's), (48, 16324), (62, 16375), (74, 16441), (75, 16444), (84, 16474), (102, 16546), (120, 16615), (121, 16621), (147, 16756), (161, 16810), (172, 16870), (199, 16978), (212, 17035), (220, 17077), (263, 17251), (265, 17254), (277, 17320),

Gene: Pisa1_21 Start: 16089, Stop: 17225, Start Num: 14

Candidate Starts for Pisa1_21:

(Start: 14 @16089 has 231 MA's), (37, 16206), (70, 16317), (74, 16338), (82, 16365), (128, 16566), (140, 16620), (158, 16701), (174, 16776), (177, 16791), (212, 16902), (220, 16944), (240, 17037), (248, 17061), (274, 17154), (279, 17193), (280, 17211),

Gene: Pisa4_21 Start: 16089, Stop: 17225, Start Num: 14

Candidate Starts for Pisa4_21:

(Start: 14 @16089 has 231 MA's), (37, 16206), (70, 16317), (74, 16338), (82, 16365), (128, 16566), (140, 16620), (158, 16701), (174, 16776), (177, 16791), (212, 16902), (220, 16944), (240, 17037), (248, 17061), (274, 17154), (279, 17193), (280, 17211),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 13

Candidate Starts for Pixie_21:

(Start: 13 @16222 has 10 MA's), (37, 16345), (61, 16408), (62, 16414), (68, 16444), (74, 16477), (102, 16582), (107, 16603), (109, 16609), (123, 16666), (128, 16705), (136, 16735), (154, 16822), (163, 16858), (168, 16885), (205, 17005), (212, 17035), (215, 17044), (220, 17077), (221, 17080), (222, 17083), (240, 17170), (267, 17257), (277, 17320), (279, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Plagueis_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 44

Candidate Starts for Pleakley_49:

(Start: 44 @29758 has 27 MA's), (69, 29839), (89, 29914), (100, 29965), (131, 30079), (179, 30286), (240, 30547), (258, 30610), (270, 30643),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 14

Candidate Starts for Pokerus_21:

(Start: 14 @15968 has 231 MA's), (37, 16085), (66, 16175), (70, 16196), (74, 16217), (82, 16244), (140, 16499), (158, 16580), (174, 16655), (177, 16670), (212, 16781), (220, 16823), (240, 16916), (248, 16940), (274, 17033), (279, 17072), (280, 17090),

Gene: Polyyuki_44 Start: 30428, Stop: 31354, Start Num: 42

Candidate Starts for Polyuyki_44:

(Start: 42 @30428 has 5 MA's), (Start: 60 @30464 has 2 MA's), (89, 30581), (97, 30620), (102, 30638), (121, 30689), (140, 30788), (157, 30863), (160, 30872), (175, 30947), (181, 30968), (214, 31106), (220, 31142), (227, 31181), (240, 31223), (258, 31286), (270, 31319),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 34

Candidate Starts for PotatoChip_33:

(Start: 34 @28463 has 8 MA's), (45, 28487), (63, 28532), (73, 28592), (85, 28631), (109, 28727), (147, 28889), (156, 28922), (179, 28997), (184, 29021), (229, 29162), (240, 29198), (249, 29225), (265, 29282),

Gene: Primanti_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Primanti_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 14

Candidate Starts for Prithvi_22:

(Start: 14 @15985 has 231 MA's), (37, 16102), (66, 16192), (70, 16213), (74, 16234), (82, 16261), (140, 16516), (158, 16597), (174, 16672), (177, 16687), (212, 16798), (220, 16840), (240, 16933), (248, 16957), (274, 17050), (279, 17089), (280, 17107),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 17

Candidate Starts for Psycho_20:

(Start: 17 @16299 has 36 MA's), (61, 16473), (73, 16539), (82, 16569), (107, 16668), (128, 16770), (140, 16824), (146, 16854), (154, 16890), (155, 16893), (157, 16902), (173, 16977), (174, 16980), (182, 17016), (193, 17058), (205, 17076), (207, 17082), (212, 17106), (213, 17109), (220, 17148), (243, 17250), (274, 17358), (279, 17397), (280, 17415),

Gene: Qhanda_24 Start: 17527, Stop: 18642, Start Num: 18

Candidate Starts for Qhanda_24:

(Start: 14 @17509 has 231 MA's), (18, 17527), (29, 17599), (37, 17629), (66, 17719), (74, 17761), (81, 17785), (108, 17890), (140, 18043), (156, 18112), (157, 18118), (193, 18271), (205, 18289), (212, 18319), (220, 18361), (221, 18364), (274, 18571), (279, 18610), (280, 18628),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 14

Candidate Starts for QuincyRose_21:

(Start: 14 @16031 has 231 MA's), (37, 16148), (66, 16238), (70, 16259), (74, 16280), (82, 16307), (140, 16562), (158, 16643), (174, 16718), (177, 16733), (212, 16844), (220, 16886), (240, 16979), (248, 17003), (274, 17096), (279, 17135), (280, 17153),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 14

Candidate Starts for Rabbs_17:

(3, 15083), (4, 15143), (Start: 14 @15479 has 231 MA's), (37, 15605), (48, 15623), (61, 15668), (62, 15674), (73, 15737), (84, 15773), (101, 15842), (102, 15845), (107, 15866), (121, 15920), (136, 15995), (157, 16097), (161, 16109), (205, 16304), (212, 16334), (217, 16352), (220, 16376), (243, 16478), (249, 16496), (274, 16586), (277, 16619),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 14

Candidate Starts for Ramen_22:

(Start: 14 @16017 has 231 MA's), (37, 16134), (66, 16224), (70, 16245), (74, 16266), (82, 16293), (140, 16548), (158, 16629), (174, 16704), (177, 16719), (212, 16830), (220, 16872), (240, 16965), (248, 16989), (274, 17082), (279, 17121), (280, 17139),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 17

Candidate Starts for Rando14_20:

(Start: 17 @14989 has 36 MA's), (48, 15118), (61, 15163), (73, 15229), (74, 15232), (82, 15259), (107, 15358), (128, 15460), (140, 15514), (146, 15544), (154, 15580), (157, 15592), (168, 15643), (173, 15667), (181, 15700), (193, 15748), (207, 15772), (212, 15796), (213, 15799), (220, 15838), (274, 16048), (279, 16087), (280, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 14

Candidate Starts for Rapunzel97_22:

(Start: 14 @16018 has 231 MA's), (37, 16135), (66, 16225), (70, 16246), (74, 16267), (82, 16294), (140, 16549), (158, 16630), (174, 16705), (177, 16720), (212, 16831), (220, 16873), (240, 16966), (248, 16990), (274, 17083), (279, 17122), (280, 17140),

Gene: Rattrick_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Rattrick_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: RedRaider_47 Start: 31794, Stop: 32711, Start Num: 44

Candidate Starts for RedRaider_47:

(Start: 44 @31794 has 27 MA's), (69, 31872), (89, 31947), (121, 32055), (138, 32139), (179, 32319), (181, 32325), (228, 32541), (240, 32580), (258, 32643), (260, 32655), (270, 32676), (274, 32697),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Remy19_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Renaissance_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 14

Candidate Starts for Reptar3000_23:

(Start: 14 @17233 has 231 MA's), (18, 17251), (29, 17323), (37, 17353), (66, 17443), (68, 17452), (74, 17485), (81, 17509), (108, 17614), (140, 17767), (156, 17836), (157, 17842), (193, 17995), (205, 18013), (212, 18043), (220, 18085), (221, 18088), (274, 18295), (279, 18334), (280, 18352),

Gene: Richarlison_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Richarlison_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136,

15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 14

Candidate Starts for Richo_22:

(Start: 14 @15375 has 231 MA's), (37, 15495), (66, 15585), (82, 15654), (107, 15753), (108, 15756), (128, 15855), (140, 15909), (158, 15990), (174, 16065), (177, 16080), (207, 16167), (212, 16191), (220, 16233), (221, 16236), (230, 16287), (240, 16326), (265, 16410), (271, 16428), (274, 16443), (279, 16482), (280, 16500),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 14

Candidate Starts for Rosmarinus_22:

(Start: 14 @16039 has 231 MA's), (37, 16156), (66, 16246), (70, 16267), (74, 16288), (82, 16315), (140, 16570), (158, 16651), (174, 16726), (177, 16741), (212, 16852), (220, 16894), (240, 16987), (248, 17011), (274, 17104), (279, 17143), (280, 17161),

Gene: Ruriko_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Ruriko_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 14

Candidate Starts for Ruthiejr_22:

(Start: 14 @17121 has 231 MA's), (29, 17211), (37, 17241), (66, 17331), (74, 17373), (75, 17376), (78, 17388), (156, 17724), (157, 17730), (173, 17805), (193, 17883), (204, 17898), (212, 17931), (220, 17973), (221, 17976), (241, 18069), (274, 18183), (279, 18222), (280, 18240),

Gene: Salvus_21 Start: 15192, Stop: 16304, Start Num: 16

Candidate Starts for Salvus_21:

(Start: 16 @15192 has 4 MA's), (19, 15240), (Start: 58 @15348 has 1 MA's), (61, 15357), (75, 15426), (83, 15453), (120, 15600), (141, 15708), (157, 15783), (160, 15792), (167, 15828), (182, 15897), (193, 15939), (212, 15984), (215, 15993), (224, 16050), (236, 16101), (255, 16161), (277, 16266),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 14

Candidate Starts for SamScheppers_21:

(Start: 14 @17028 has 231 MA's), (18, 17046), (29, 17118), (37, 17148), (66, 17238), (74, 17280), (81, 17304), (108, 17409), (140, 17562), (156, 17631), (157, 17637), (193, 17790), (205, 17808), (212, 17838), (220, 17880), (221, 17883), (271, 18075), (274, 18090), (279, 18129), (280, 18147),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 14

Candidate Starts for SamuelLPlaqson_22:

(Start: 14 @15965 has 231 MA's), (37, 16082), (66, 16172), (70, 16193), (74, 16214), (82, 16241), (128, 16442), (140, 16496), (142, 16502), (158, 16577), (174, 16652), (177, 16667), (220, 16820), (240, 16913), (248, 16937), (274, 17030), (279, 17069), (280, 17087),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 14

Candidate Starts for Scarlett_21:

(Start: 14 @15263 has 231 MA's), (37, 15380), (48, 15398), (70, 15491), (82, 15539), (128, 15740), (140, 15794), (150, 15839), (154, 15860), (166, 15914), (173, 15947), (177, 15965), (220, 16118), (221, 16121), (230, 16172), (240, 16211), (274, 16328), (279, 16367), (280, 16385),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Schiebel_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Scuba_49 Start: 29835, Stop: 30755, Start Num: 44

Candidate Starts for Scuba_49:

(Start: 44 @29835 has 27 MA's), (69, 29916), (89, 29991), (100, 30042), (131, 30156), (179, 30363), (240, 30624), (258, 30687), (270, 30720),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for SgtBeansprout_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for ShaboiShabazz_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 14

Candidate Starts for Shadow1_20:

(Start: 14 @15075 has 231 MA's), (37, 15195), (66, 15285), (82, 15354), (128, 15555), (158, 15690), (159, 15693), (173, 15762), (177, 15780), (192, 15840), (205, 15861), (212, 15891), (220, 15933), (221, 15936), (222, 15939), (240, 16026), (248, 16050), (271, 16128), (274, 16143), (279, 16182), (280, 16200),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 14

Candidate Starts for Shaobing_22:

(Start: 14 @15375 has 231 MA's), (37, 15495), (66, 15585), (82, 15654), (107, 15753), (108, 15756), (128, 15855), (140, 15909), (158, 15990), (174, 16065), (177, 16080), (207, 16167), (212, 16191), (220, 16233), (221, 16236), (230, 16287), (240, 16326), (265, 16410), (271, 16428), (274, 16443), (279, 16482), (280, 16500),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 13

Candidate Starts for ShedlockHolmes_21:

(Start: 13 @16440 has 10 MA's), (37, 16563), (61, 16626), (62, 16632), (68, 16662), (102, 16800), (107, 16821), (109, 16827), (123, 16884), (128, 16923), (136, 16953), (154, 17040), (163, 17076), (205, 17223), (212, 17253), (215, 17262), (220, 17295), (221, 17298), (222, 17301), (240, 17388), (267, 17475), (277, 17538), (279, 17544),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for ShiaSurprise_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 14

Candidate Starts for SirPhilip_21:

(Start: 14 @14868 has 231 MA's), (37, 14985), (70, 15096), (82, 15144), (108, 15246), (109, 15249), (128, 15345), (140, 15399), (154, 15462), (157, 15474), (173, 15549), (177, 15567), (193, 15630), (207, 15654), (213, 15681), (220, 15720), (221, 15723), (240, 15813), (267, 15900), (274, 15930), (276, 15957), (279, 15969), (280, 15987),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 36

Candidate Starts for Sixama_98:

(Start: 36 @58478 has 5 MA's), (Start: 49 @58493 has 8 MA's), (53, 58505), (75, 58601), (76, 58604), (82, 58625), (146, 58883), (153, 58913), (159, 58931), (162, 58940), (203, 59126), (214, 59168), (226, 59240), (227, 59243), (228, 59246), (240, 59273), (246, 59291), (250, 59312), (257, 59336), (271, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 14

Candidate Starts for Sizemore_17:

(4, 15145), (Start: 14 @15478 has 231 MA's), (37, 15598), (48, 15616), (61, 15661), (62, 15667), (73, 15730), (84, 15766), (101, 15835), (102, 15838), (107, 15859), (121, 15913), (128, 15958), (136, 15988), (157, 16090), (161, 16102), (163, 16114), (166, 16132), (205, 16297), (212, 16327), (217, 16345), (220, 16369), (249, 16489), (274, 16579), (277, 16612),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 44

Candidate Starts for Skysand_42:

(Start: 44 @29992 has 27 MA's), (69, 30070), (89, 30145), (121, 30253), (138, 30337), (179, 30517), (181, 30523), (228, 30739), (240, 30778), (260, 30853), (267, 30865), (270, 30874), (274, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 14

Candidate Starts for Slarp_23:

(Start: 14 @17500 has 231 MA's), (18, 17518), (29, 17590), (37, 17620), (66, 17710), (74, 17752), (81, 17776), (108, 17881), (140, 18034), (156, 18103), (157, 18109), (193, 18262), (205, 18280), (212, 18310), (220, 18352), (221, 18355), (274, 18562), (279, 18601), (280, 18619),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 14

Candidate Starts for Slimphazie_22:

(Start: 14 @16018 has 231 MA's), (37, 16135), (66, 16225), (70, 16246), (74, 16267), (82, 16294), (140, 16549), (158, 16630), (174, 16705), (177, 16720), (212, 16831), (220, 16873), (240, 16966), (248, 16990), (274, 17083), (279, 17122), (280, 17140),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 40

Candidate Starts for Smoothie_48:

(Start: 40 @28706 has 11 MA's), (Start: 43 @28712 has 12 MA's), (Start: 60 @28760 has 2 MA's), (66, 28787), (83, 28859), (99, 28925), (107, 28955), (137, 29063), (157, 29156), (163, 29180), (165, 29195), (193, 29291), (212, 29339), (256, 29519), (268, 29555),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 14

Candidate Starts for Sneeze_17:

(3, 15082), (4, 15142), (Start: 14 @15478 has 231 MA's), (37, 15604), (48, 15622), (61, 15667), (62, 15673), (73, 15736), (84, 15772), (101, 15841), (102, 15844), (107, 15865), (121, 15919), (136, 15994), (157, 16096), (161, 16108), (205, 16303), (212, 16333), (217, 16351), (220, 16375), (243, 16477), (249, 16495), (274, 16585), (277, 16618),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 17

Candidate Starts for SoSeph_20:

(Start: 17 @16471 has 36 MA's), (61, 16645), (73, 16711), (74, 16714), (82, 16741), (107, 16840), (128, 16942), (140, 16996), (146, 17026), (154, 17062), (155, 17065), (157, 17074), (173, 17149), (174, 17152), (182, 17188), (193, 17230), (205, 17248), (207, 17254), (212, 17278), (213, 17281), (215, 17287), (220, 17320), (274, 17530), (279, 17569), (280, 17587),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 40

Candidate Starts for SpeedDemon_310:

(Start: 40 @28038 has 11 MA's), (50, 28059), (66, 28113), (83, 28185), (86, 28194), (122, 28314), (130, 28365), (133, 28374), (140, 28410), (157, 28482), (159, 28488), (193, 28617), (212, 28665), (227, 28740), (239, 28788),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Spock_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 44

Candidate Starts for StarStruck_41:

(Start: 44 @29510 has 27 MA's), (69, 29597), (77, 29633), (89, 29672), (179, 30041), (214, 30185), (240, 30302), (270, 30398), (271, 30404), (274, 30419),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 14

Candidate Starts for Stargaze_17:

(Start: 14 @15800 has 231 MA's), (48, 15944), (62, 15995), (74, 16061), (75, 16064), (101, 16163), (102, 16166), (108, 16190), (120, 16235), (121, 16241), (161, 16430), (172, 16490), (199, 16598), (201, 16610), (212, 16655), (220, 16697), (263, 16871), (265, 16874), (271, 16892), (276, 16934), (277, 16940),

Gene: Stellammi_14 Start: 12723, Stop: 13808, Start Num: 31

Candidate Starts for Stellammi_14:

(28, 12708), (Start: 31 @12723 has 7 MA's), (65, 12831), (68, 12843), (73, 12873), (74, 12876), (81, 12900), (82, 12903), (89, 12924), (90, 12927), (106, 12996), (107, 13002), (123, 13080), (124, 13083), (133, 13137), (139, 13167), (142, 13179), (154, 13239), (157, 13251), (160, 13260), (174, 13332), (178, 13353), (179, 13356), (183, 13377), (185, 13383), (196, 13428), (216, 13503), (220, 13527), (221, 13530), (222, 13533), (225, 13560), (235, 13602), (236, 13605), (240, 13620), (244, 13632), (245, 13635), (252, 13659), (255, 13665), (271, 13722), (273, 13731), (274, 13737), (278, 13773), (280, 13794),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 34

Candidate Starts for Stickynote_32:

(Start: 34 @27883 has 8 MA's), (45, 27907), (63, 27952), (73, 28012), (85, 28051), (109, 28147), (147, 28309), (156, 28342), (179, 28417), (184, 28441), (218, 28516), (229, 28582), (240, 28618), (265, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 14

Candidate Starts for Stinson_22:

(Start: 14 @15984 has 231 MA's), (37, 16101), (70, 16212), (74, 16233), (82, 16260), (108, 16362), (140, 16515), (158, 16596), (174, 16671), (177, 16686), (212, 16797), (220, 16839), (240, 16932), (248, 16956), (274, 17049), (279, 17088), (280, 17106),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 17

Candidate Starts for Strobilo_18:

(Start: 17 @13892 has 36 MA's), (18, 13901), (37, 14003), (66, 14093), (74, 14135), (75, 14138), (82, 14162), (107, 14261), (123, 14324), (128, 14363), (140, 14417), (154, 14483), (157, 14495), (168, 14546), (173, 14570), (193, 14648), (205, 14666), (212, 14696), (215, 14705), (220, 14738), (221, 14741), (248, 14855), (271, 14933), (274, 14948), (279, 14987), (280, 15005),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 49

Candidate Starts for Sukkupi_42:

(Start: 49 @28532 has 8 MA's), (69, 28613), (79, 28658), (97, 28727), (140, 28895), (160, 28979), (170, 29030), (181, 29063), (223, 29261), (228, 29279), (240, 29321), (269, 29411), (270, 29417), (274, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 14

Candidate Starts for Sulley_22:

(Start: 14 @15984 has 231 MA's), (37, 16101), (66, 16191), (70, 16212), (74, 16233), (82, 16260), (140, 16515), (158, 16596), (174, 16671), (177, 16686), (212, 16797), (220, 16839), (240, 16932), (248, 16956), (274, 17049), (279, 17088), (280, 17106),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 14

Candidate Starts for Sunflower1121_20:

(Start: 14 @15087 has 231 MA's), (37, 15207), (66, 15297), (82, 15366), (128, 15567), (158, 15702), (159, 15705), (173, 15774), (177, 15792), (192, 15852), (205, 15873), (212, 15903), (220, 15945), (221, 15948), (222, 15951), (240, 16038), (248, 16062), (271, 16140), (274, 16155), (279, 16194), (280, 16212),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 46

Candidate Starts for SuperSulley_41:

(Start: 46 @29704 has 6 MA's), (69, 29785), (77, 29821), (100, 29911), (121, 29968), (170, 30202), (179, 30229), (192, 30280), (214, 30373), (240, 30490), (270, 30586), (271, 30592), (274, 30607),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 14

Candidate Starts for Sweets_17:

(4, 15139), (Start: 14 @15472 has 231 MA's), (37, 15592), (48, 15610), (61, 15655), (62, 15661), (73, 15724), (84, 15760), (101, 15829), (102, 15832), (107, 15853), (121, 15907), (128, 15952), (136, 15982), (157, 16084), (161, 16096), (163, 16108), (166, 16126), (205, 16291), (212, 16321), (217, 16339), (220, 16363), (249, 16483), (274, 16573), (277, 16606),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 14

Candidate Starts for Syra333_21:

(Start: 14 @15182 has 231 MA's), (37, 15302), (66, 15392), (82, 15461), (128, 15662), (140, 15716), (173, 15869), (177, 15887), (205, 15968), (215, 16007), (220, 16040), (240, 16133), (248, 16157), (271, 16235), (274, 16250), (279, 16289), (280, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 13

Candidate Starts for TBond007_21:

(Start: 13 @16221 has 10 MA's), (37, 16344), (61, 16407), (62, 16413), (68, 16443), (74, 16476), (102, 16581), (107, 16602), (109, 16608), (123, 16665), (136, 16734), (154, 16821), (163, 16857), (205, 17004), (212, 17034), (215, 17043), (220, 17076), (221, 17079), (222, 17082), (240, 17169), (267, 17256), (277, 17319), (279, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 14

Candidate Starts for TClif_21:

(Start: 14 @15218 has 231 MA's), (37, 15335), (61, 15398), (82, 15494), (107, 15593), (108, 15596), (128, 15695), (173, 15902), (174, 15905), (193, 15983), (220, 16073), (222, 16079), (240, 16166),

(274, 16283), (276, 16310), (279, 16322), (280, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 17

Candidate Starts for TM4_18:

(Start: 17 @13970 has 36 MA's), (18, 13979), (37, 14081), (66, 14171), (74, 14213), (75, 14216), (82, 14240), (107, 14339), (123, 14402), (128, 14441), (140, 14495), (154, 14561), (157, 14573), (168, 14624), (173, 14648), (193, 14726), (205, 14744), (212, 14774), (220, 14816), (221, 14819), (248, 14933), (271, 15011), (274, 15026), (279, 15065), (280, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 22

Candidate Starts for TPA4_18:

(5, 16287), (Start: 22 @16629 has 1 MA's), (48, 16710), (61, 16755), (118, 16986), (140, 17121), (156, 17193), (157, 17199), (165, 17238), (212, 17400), (219, 17433), (235, 17511), (271, 17637), (277, 17685), (279, 17691),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 14

Candidate Starts for Tachez_22:

(Start: 14 @15980 has 231 MA's), (37, 16097), (66, 16187), (70, 16208), (74, 16229), (82, 16256), (140, 16511), (158, 16592), (174, 16667), (177, 16682), (212, 16793), (220, 16835), (240, 16928), (248, 16952), (274, 17045), (279, 17084), (280, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 14

Candidate Starts for Taheera_17:

(3, 15095), (4, 15155), (Start: 14 @15491 has 231 MA's), (37, 15614), (48, 15632), (61, 15677), (62, 15683), (73, 15746), (84, 15782), (101, 15851), (102, 15854), (107, 15875), (121, 15929), (136, 16004), (157, 16106), (161, 16118), (205, 16313), (212, 16343), (217, 16361), (220, 16385), (243, 16487), (249, 16505), (274, 16595), (277, 16628),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 14

Candidate Starts for TaiwanKao_23:

(Start: 14 @15991 has 231 MA's), (37, 16108), (66, 16198), (70, 16219), (74, 16240), (82, 16267), (140, 16522), (158, 16603), (174, 16678), (177, 16693), (212, 16804), (220, 16846), (240, 16939), (244, 16951), (248, 16963), (274, 17056), (279, 17095), (280, 17113),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 14

Candidate Starts for Taquito_21:

(Start: 14 @17109 has 231 MA's), (18, 17127), (29, 17199), (37, 17229), (66, 17319), (74, 17361), (81, 17385), (108, 17490), (140, 17643), (156, 17712), (157, 17718), (193, 17871), (205, 17889), (212, 17919), (220, 17961), (221, 17964), (271, 18156), (274, 18171), (279, 18210), (280, 18228),

Gene: Teejan_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Teejan_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 14

Candidate Starts for Terror_17:

(3, 15095), (4, 15155), (Start: 14 @15491 has 231 MA's), (37, 15614), (48, 15632), (61, 15677), (62, 15683), (73, 15746), (84, 15782), (101, 15851), (102, 15854), (107, 15875), (121, 15929), (136, 16004), (157, 16106), (161, 16118), (205, 16313), (212, 16343), (217, 16361), (220, 16385), (243, 16487), (249, 16505), (274, 16595), (277, 16628),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 17

Candidate Starts for Thyatira_20:

(Start: 17 @16323 has 36 MA's), (74, 16566), (82, 16593), (107, 16692), (128, 16794), (140, 16848), (146, 16878), (154, 16914), (155, 16917), (157, 16926), (173, 17001), (174, 17004), (182, 17040), (193, 17082), (205, 17100), (207, 17106), (212, 17130), (213, 17133), (215, 17139), (220, 17172), (274, 17382), (279, 17421), (280, 17439),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 14

Candidate Starts for Tierra_21:

(Start: 14 @15908 has 231 MA's), (37, 16028), (66, 16118), (82, 16187), (128, 16388), (177, 16613), (192, 16673), (205, 16694), (220, 16766), (221, 16769), (222, 16772), (240, 16859), (248, 16883), (271, 16961), (274, 16976), (279, 17015), (280, 17033),

Gene: Tigress9_21 Start: 15170, Stop: 16309, Start Num: 14

Candidate Starts for Tigress9_21:

(Start: 14 @15170 has 231 MA's), (37, 15290), (66, 15380), (82, 15449), (128, 15650), (158, 15785), (159, 15788), (177, 15875), (192, 15935), (205, 15956), (212, 15986), (220, 16028), (221, 16031), (222, 16034), (240, 16121), (248, 16145), (271, 16223), (274, 16238), (279, 16277), (280, 16295),

Gene: TinaBug_17 Start: 15472, Stop: 16644, Start Num: 14

Candidate Starts for TinaBug_17:

(4, 15139), (Start: 14 @15472 has 231 MA's), (37, 15592), (48, 15610), (61, 15655), (62, 15661), (73, 15724), (84, 15760), (101, 15829), (102, 15832), (107, 15853), (121, 15907), (128, 15952), (136, 15982), (157, 16084), (161, 16096), (163, 16108), (166, 16126), (205, 16291), (212, 16321), (217, 16339), (220, 16363), (249, 16483), (274, 16573), (277, 16606),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 14

Candidate Starts for TingHuaYa_22:

(Start: 14 @15317 has 231 MA's), (37, 15434), (70, 15545), (82, 15593), (108, 15695), (140, 15848), (158, 15929), (174, 16004), (177, 16019), (212, 16130), (220, 16172), (240, 16265), (248, 16289), (274, 16382), (279, 16421), (280, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 14

Candidate Starts for TiniBug_22:

(Start: 14 @15962 has 231 MA's), (37, 16079), (66, 16169), (70, 16190), (74, 16211), (82, 16238), (128, 16439), (140, 16493), (142, 16499), (158, 16574), (174, 16649), (177, 16664), (220, 16817), (240, 16910), (248, 16934), (274, 17027), (279, 17066), (280, 17084),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 14

Candidate Starts for Tiri_22:

(Start: 14 @16023 has 231 MA's), (37, 16140), (66, 16230), (70, 16251), (74, 16272), (82, 16299), (140, 16554), (158, 16635), (174, 16710), (177, 16725), (212, 16836), (220, 16878), (240, 16971), (248, 16995), (274, 17088), (279, 17127), (280, 17145),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 14

Candidate Starts for TomBrady_17:

(4, 15145), (Start: 14 @15478 has 231 MA's), (37, 15598), (48, 15616), (61, 15661), (62, 15667), (73, 15730), (84, 15766), (101, 15835), (102, 15838), (107, 15859), (121, 15913), (128, 15958), (136, 15988), (157, 16090), (161, 16102), (163, 16114), (166, 16132), (205, 16297), (212, 16327), (217, 16345), (220, 16369), (249, 16489), (274, 16579), (277, 16612),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 43

Candidate Starts for Toniann_47:

(Start: 43 @28657 has 12 MA's), (Start: 60 @28705 has 2 MA's), (66, 28732), (83, 28804), (99, 28870), (107, 28900), (137, 29008), (157, 29101), (163, 29125), (165, 29140), (193, 29236), (212, 29284), (256, 29464), (268, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Topper_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Torres_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: Towmatter_27 Start: 24381, Stop: 25262, Start Num: 40

Candidate Starts for Towmatter_27:

(Start: 40 @24381 has 11 MA's), (66, 24456), (80, 24519), (83, 24528), (86, 24537), (122, 24657), (133, 24717), (157, 24825), (193, 24960), (212, 25008), (227, 25083), (239, 25131), (253, 25179), (256, 25188),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 44

Candidate Starts for Tracker_40:

(Start: 44 @28657 has 27 MA's), (69, 28744), (89, 28819), (105, 28885), (121, 28927), (131, 28984), (181, 29197), (187, 29224), (214, 29335), (240, 29467), (270, 29563),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 14

Candidate Starts for TreyKay_22:

(Start: 14 @15985 has 231 MA's), (37, 16102), (66, 16192), (70, 16213), (74, 16234), (82, 16261), (140, 16516), (158, 16597), (174, 16672), (177, 16687), (212, 16798), (220, 16840), (240, 16933), (248, 16957), (274, 17050), (279, 17089), (280, 17107),

Gene: TribelTrouble_20 Start: 16264, Stop: 17403, Start Num: 13

Candidate Starts for TribelTrouble_20:

(Start: 13 @16264 has 10 MA's), (37, 16390), (61, 16453), (62, 16459), (68, 16489), (74, 16522), (102, 16627), (107, 16648), (128, 16750), (136, 16780), (145, 16825), (163, 16903), (205, 17050), (212, 17080), (215, 17089), (220, 17122), (221, 17125), (222, 17128), (240, 17215), (267, 17302), (273, 17326), (274, 17332), (277, 17365), (279, 17371),

Gene: Trice_18 Start: 15554, Stop: 16696, Start Num: 14

Candidate Starts for Trice_18:

(Start: 14 @15554 has 231 MA's), (37, 15677), (66, 15767), (82, 15836), (107, 15935), (108, 15938), (128, 16037), (158, 16172), (212, 16373), (220, 16415), (221, 16418), (240, 16508), (248, 16532), (274, 16625), (279, 16664), (280, 16682),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 14

Candidate Starts for TruffulaTree_22:

(Start: 14 @16014 has 231 MA's), (37, 16131), (66, 16221), (70, 16242), (74, 16263), (82, 16290), (140, 16545), (158, 16626), (174, 16701), (177, 16716), (212, 16827), (220, 16869), (240, 16962), (248, 16986), (274, 17079), (279, 17118), (280, 17136),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 44

Candidate Starts for Turuncu_44:

(Start: 44 @29978 has 27 MA's), (69, 30056), (88, 30128), (107, 30209), (140, 30338), (181, 30509), (218, 30665), (240, 30764), (260, 30839), (270, 30860),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 14

Candidate Starts for Twitch_22:

(Start: 14 @16051 has 231 MA's), (37, 16168), (66, 16258), (70, 16279), (74, 16300), (82, 16327), (140, 16582), (158, 16663), (174, 16738), (177, 16753), (212, 16864), (220, 16906), (240, 16999), (248, 17023), (274, 17116), (279, 17155), (280, 17173),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 31

Candidate Starts for Typha_23:

(Start: 31 @18613 has 7 MA's), (54, 18679), (73, 18769), (75, 18775), (90, 18823), (100, 18871), (107, 18898), (114, 18925), (116, 18928), (123, 18949), (131, 19000), (143, 19051), (144, 19060), (150, 19087), (166, 19162), (171, 19186), (207, 19276), (212, 19300), (213, 19303), (220, 19339), (230, 19393), (232, 19402), (244, 19444), (245, 19447), (271, 19528), (273, 19537), (279, 19582),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 14

Candidate Starts for Unicorn_21:

(Start: 14 @15233 has 231 MA's), (37, 15353), (66, 15443), (82, 15512), (128, 15713), (140, 15767), (146, 15797), (177, 15938), (192, 15998), (205, 16019), (212, 16049), (220, 16091), (221, 16094), (222, 16097), (240, 16184), (248, 16208), (271, 16286), (274, 16301), (279, 16340), (280, 16358),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 14

Candidate Starts for Urkel_22:

(Start: 14 @15965 has 231 MA's), (37, 16082), (66, 16172), (70, 16193), (74, 16214), (82, 16241), (128, 16442), (140, 16496), (142, 16502), (158, 16577), (174, 16652), (177, 16667), (220, 16820), (240, 16913), (248, 16937), (274, 17030), (279, 17069), (280, 17087),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 14

Candidate Starts for Validus_22:

(Start: 14 @15308 has 231 MA's), (37, 15428), (66, 15518), (82, 15587), (107, 15686), (108, 15689), (128, 15788), (140, 15842), (158, 15923), (174, 15998), (177, 16013), (212, 16124), (220, 16166), (221, 16169), (240, 16259), (265, 16343), (271, 16361), (274, 16376), (279, 16415), (280, 16433),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 14

Candidate Starts for Veliki_22:

(Start: 14 @16054 has 231 MA's), (37, 16171), (66, 16261), (70, 16282), (74, 16303), (82, 16330), (140, 16585), (158, 16666), (174, 16741), (177, 16756), (212, 16867), (220, 16909), (240, 17002), (248, 17026), (274, 17119), (279, 17158), (280, 17176),

Gene: ViviJ_19 Start: 16180, Stop: 17310, Start Num: 17

Candidate Starts for ViviJ_19:

(Start: 17 @16180 has 36 MA's), (61, 16354), (73, 16420), (74, 16423), (82, 16450), (107, 16549), (128, 16651), (140, 16705), (146, 16735), (154, 16771), (155, 16774), (157, 16783), (173, 16858), (174, 16861), (182, 16897), (193, 16939), (205, 16957), (207, 16963), (212, 16987), (213, 16990), (220, 17029), (274, 17239), (279, 17278), (280, 17296),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 41

Candidate Starts for Vordorf_21:

(Start: 41 @17520 has 6 MA's), (47, 17526), (57, 17562), (Start: 58 @17565 has 1 MA's), (98, 17733), (103, 17748), (106, 17760), (132, 17856), (133, 17859), (138, 17880), (140, 17895), (169, 18024), (206, 18120), (218, 18165), (221, 18186), (227, 18216), (252, 18306),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 17

Candidate Starts for Waterfoul_20:

(Start: 17 @16344 has 36 MA's), (74, 16587), (82, 16614), (107, 16713), (128, 16815), (140, 16869), (146, 16899), (154, 16935), (155, 16938), (157, 16947), (173, 17022), (174, 17025), (182, 17061), (193, 17103), (205, 17121), (207, 17127), (212, 17151), (213, 17154), (215, 17160), (220, 17193), (274, 17403), (279, 17442), (280, 17460),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Wendigo_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 44

Candidate Starts for Wheezy_40:

(Start: 44 @28862 has 27 MA's), (69, 28949), (89, 29024), (105, 29090), (121, 29132), (131, 29189), (181, 29402), (187, 29429), (214, 29540), (240, 29672), (270, 29768),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 49

Candidate Starts for WhoseManz_42:

(Start: 49 @26578 has 8 MA's), (69, 26659), (79, 26704), (97, 26773), (131, 26899), (140, 26941), (160, 27025), (170, 27076), (181, 27109), (214, 27247), (223, 27307), (228, 27325), (240, 27367), (269, 27457), (270, 27463), (274, 27484),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 40

Candidate Starts for WilliamBoone_47:

(Start: 40 @28015 has 11 MA's), (Start: 43 @28021 has 12 MA's), (Start: 60 @28069 has 2 MA's), (66, 28096), (83, 28168), (88, 28183), (137, 28372), (157, 28465), (163, 28489), (165, 28504), (192, 28597), (193, 28600), (212, 28648), (256, 28828), (268, 28864),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 14

Candidate Starts for Wintermute_23:

(Start: 14 @17489 has 231 MA's), (18, 17507), (29, 17579), (37, 17609), (66, 17699), (74, 17741), (81, 17765), (108, 17870), (156, 18092), (157, 18098), (192, 18248), (193, 18251), (205, 18269), (212, 18299), (220, 18341), (221, 18344), (230, 18395), (271, 18536), (274, 18551), (279, 18590), (280, 18608),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 14

Candidate Starts for Ximenita_22:

(Start: 14 @15360 has 231 MA's), (37, 15480), (66, 15570), (82, 15639), (128, 15840), (140, 15894), (173, 16047), (177, 16065), (205, 16146), (212, 16176), (215, 16185), (220, 16218), (240, 16311), (248, 16335), (271, 16413), (274, 16428), (279, 16467), (280, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 14

Candidate Starts for Y10_23:

(Start: 14 @17489 has 231 MA's), (18, 17507), (29, 17579), (37, 17609), (66, 17699), (74, 17741), (81, 17765), (108, 17870), (156, 18092), (157, 18098), (192, 18248), (193, 18251), (205, 18269), (212, 18299), (220, 18341), (221, 18344), (230, 18395), (271, 18536), (274, 18551), (279, 18590), (280, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 14

Candidate Starts for Y2_23:

(Start: 14 @17489 has 231 MA's), (18, 17507), (29, 17579), (37, 17609), (66, 17699), (74, 17741), (81, 17765), (108, 17870), (156, 18092), (157, 18098), (192, 18248), (193, 18251), (205, 18269), (212, 18299), (220, 18341), (221, 18344), (230, 18395), (271, 18536), (274, 18551), (279, 18590), (280, 18608),

Gene: YangYin_17 Start: 15824, Stop: 17002, Start Num: 14

Candidate Starts for YangYin_17:

(3, 15413), (4, 15473), (Start: 14 @15824 has 231 MA's), (48, 15968), (62, 16019), (74, 16085), (75, 16088), (101, 16187), (102, 16190), (108, 16214), (120, 16259), (121, 16265), (161, 16454), (172, 16514), (199, 16622), (201, 16634), (212, 16679), (220, 16721), (263, 16895), (265, 16898), (271, 16916), (276, 16958), (277, 16964),

Gene: YasnayaPolyana_23 Start: 17490, Stop: 18623, Start Num: 14

Candidate Starts for YasnayaPolyana_23:

(Start: 14 @17490 has 231 MA's), (18, 17508), (29, 17580), (37, 17610), (66, 17700), (74, 17742), (81, 17766), (108, 17871), (156, 18093), (157, 18099), (192, 18249), (193, 18252), (205, 18270), (212, 18300), (220, 18342), (221, 18345), (230, 18396), (271, 18537), (274, 18552), (279, 18591), (280, 18609),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 49

Candidate Starts for Yndexa_42:

(Start: 49 @28532 has 8 MA's), (69, 28613), (79, 28658), (97, 28727), (140, 28895), (160, 28979), (170, 29030), (181, 29063), (223, 29261), (228, 29279), (240, 29321), (269, 29411), (270, 29417), (274, 29438),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 14

Candidate Starts for YoureAdopted_21:

(Start: 14 @15987 has 231 MA's), (37, 16104), (66, 16194), (70, 16215), (74, 16236), (82, 16263), (140, 16518), (158, 16599), (174, 16674), (177, 16689), (212, 16800), (220, 16842), (240, 16935), (248, 16959), (274, 17052), (279, 17091), (280, 17109),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 14

Candidate Starts for Yuna_22:

(Start: 14 @15278 has 231 MA's), (37, 15395), (61, 15458), (82, 15554), (108, 15656), (128, 15755), (140, 15809), (158, 15890), (193, 16043), (207, 16067), (220, 16133), (221, 16136), (222, 16139), (240, 16226), (271, 16328), (274, 16343), (279, 16382), (280, 16400),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 14

Candidate Starts for Yunkel11_22:

(Start: 14 @15243 has 231 MA's), (37, 15360), (66, 15450), (70, 15471), (82, 15519), (140, 15774), (158, 15855), (174, 15930), (177, 15945), (212, 16056), (220, 16098), (236, 16176), (240, 16191), (248, 16215), (274, 16308), (279, 16347), (280, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 33

Candidate Starts for Yvonnetastic_44:

(Start: 33 @29619 has 2 MA's), (66, 29706), (81, 29772), (86, 29787), (88, 29793), (132, 29964), (144, 30021), (157, 30075), (163, 30099), (188, 30198), (193, 30216), (212, 30264), (218, 30282), (222, 30306), (266, 30474),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 14

Candidate Starts for Zabiza_22:

(Start: 14 @16018 has 231 MA's), (37, 16135), (66, 16225), (70, 16246), (74, 16267), (82, 16294), (140, 16549), (158, 16630), (174, 16705), (177, 16720), (212, 16831), (220, 16873), (240, 16966), (248, 16990), (274, 17083), (279, 17122), (280, 17140),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 14

Candidate Starts for Zavala_22:

(Start: 14 @15992 has 231 MA's), (37, 16109), (66, 16199), (70, 16220), (74, 16241), (82, 16268), (140, 16523), (158, 16604), (174, 16679), (177, 16694), (212, 16805), (220, 16847), (240, 16940), (248, 16964), (274, 17057), (279, 17096), (280, 17114),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 34

Candidate Starts for Zion_33:

(Start: 34 @28461 has 8 MA's), (45, 28485), (63, 28530), (73, 28590), (85, 28629), (109, 28725), (147, 28887), (156, 28920), (179, 28995), (184, 29019), (229, 29160), (240, 29196), (249, 29223), (265, 29280),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for ZoMa_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 17

Candidate Starts for ZoeJ_18:

(Start: 17 @13830 has 36 MA's), (18, 13839), (37, 13941), (66, 14031), (74, 14073), (75, 14076), (82, 14100), (107, 14199), (123, 14262), (128, 14301), (140, 14355), (157, 14433), (173, 14508), (193, 14586), (205, 14604), (212, 14634), (220, 14676), (221, 14679), (240, 14769), (248, 14793), (271, 14871), (274, 14886), (279, 14925), (280, 14943),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 14

Candidate Starts for Zombie_17:

(4, 15144), (Start: 14 @15477 has 231 MA's), (37, 15597), (48, 15615), (61, 15660), (62, 15666), (73, 15729), (84, 15765), (101, 15834), (102, 15837), (107, 15858), (121, 15912), (128, 15957), (136, 15987), (157, 16089), (161, 16101), (163, 16113), (166, 16131), (205, 16296), (212, 16326), (217, 16344), (220, 16368), (249, 16488), (274, 16578), (277, 16611),