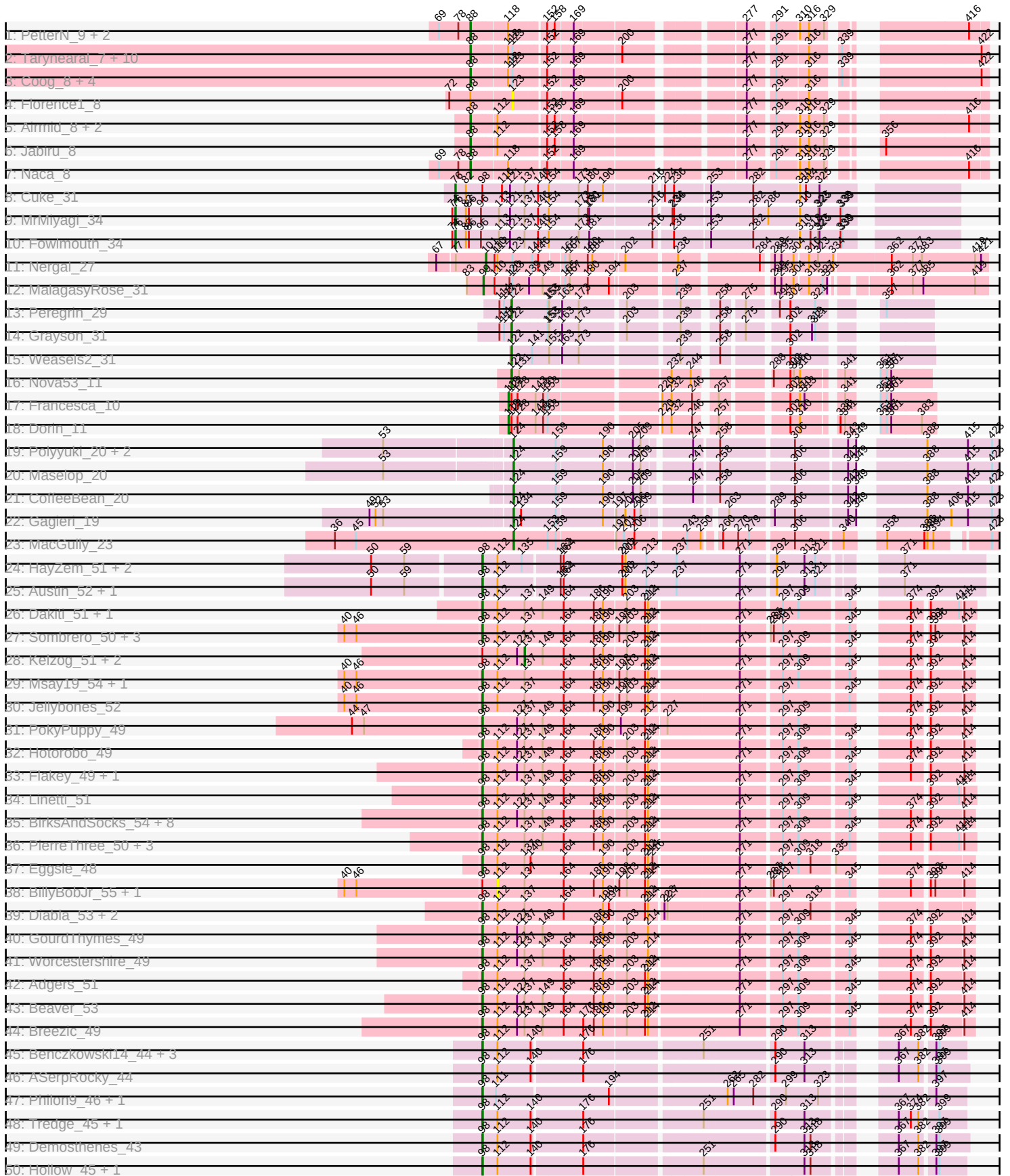
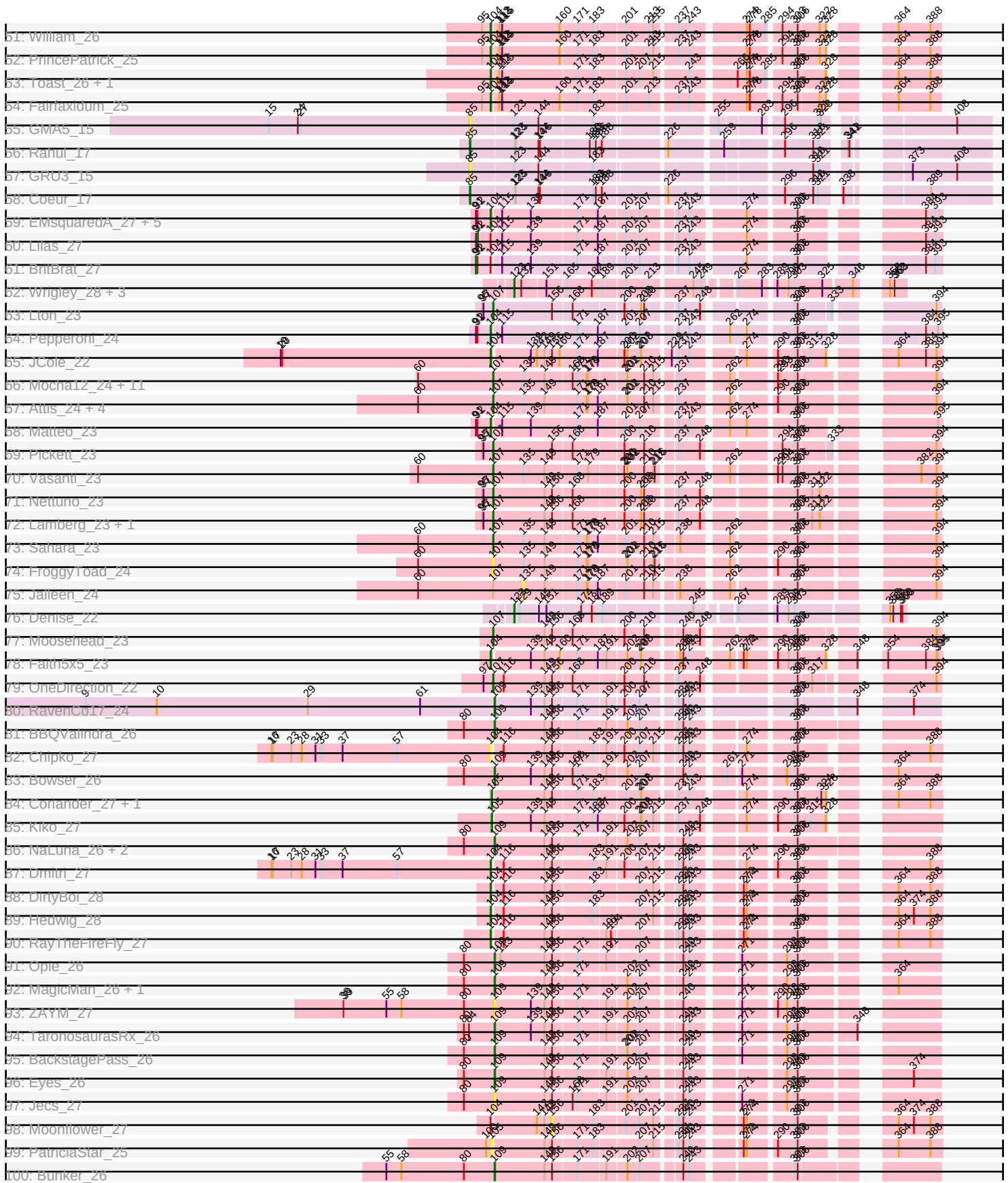


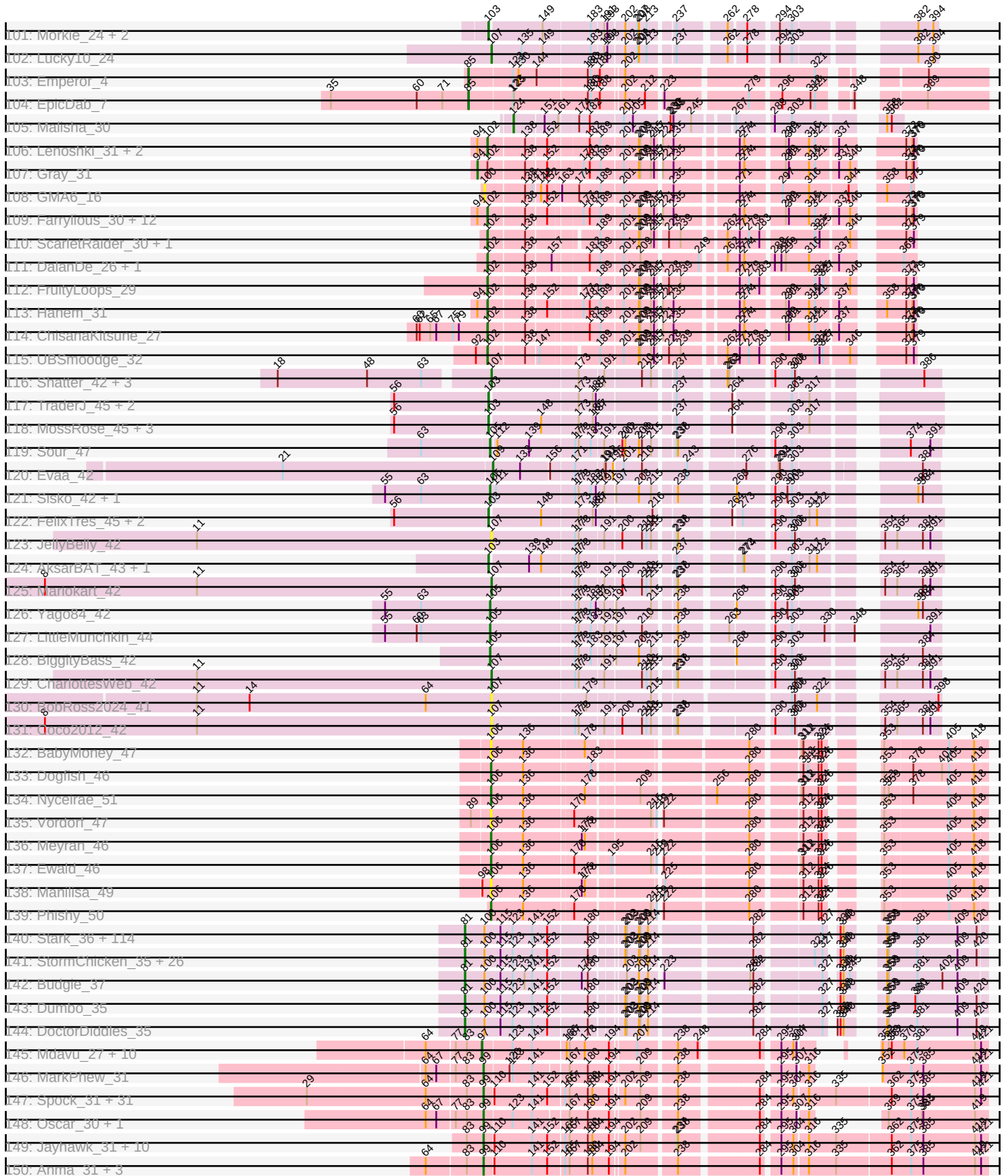
Zoomed Pham 330306



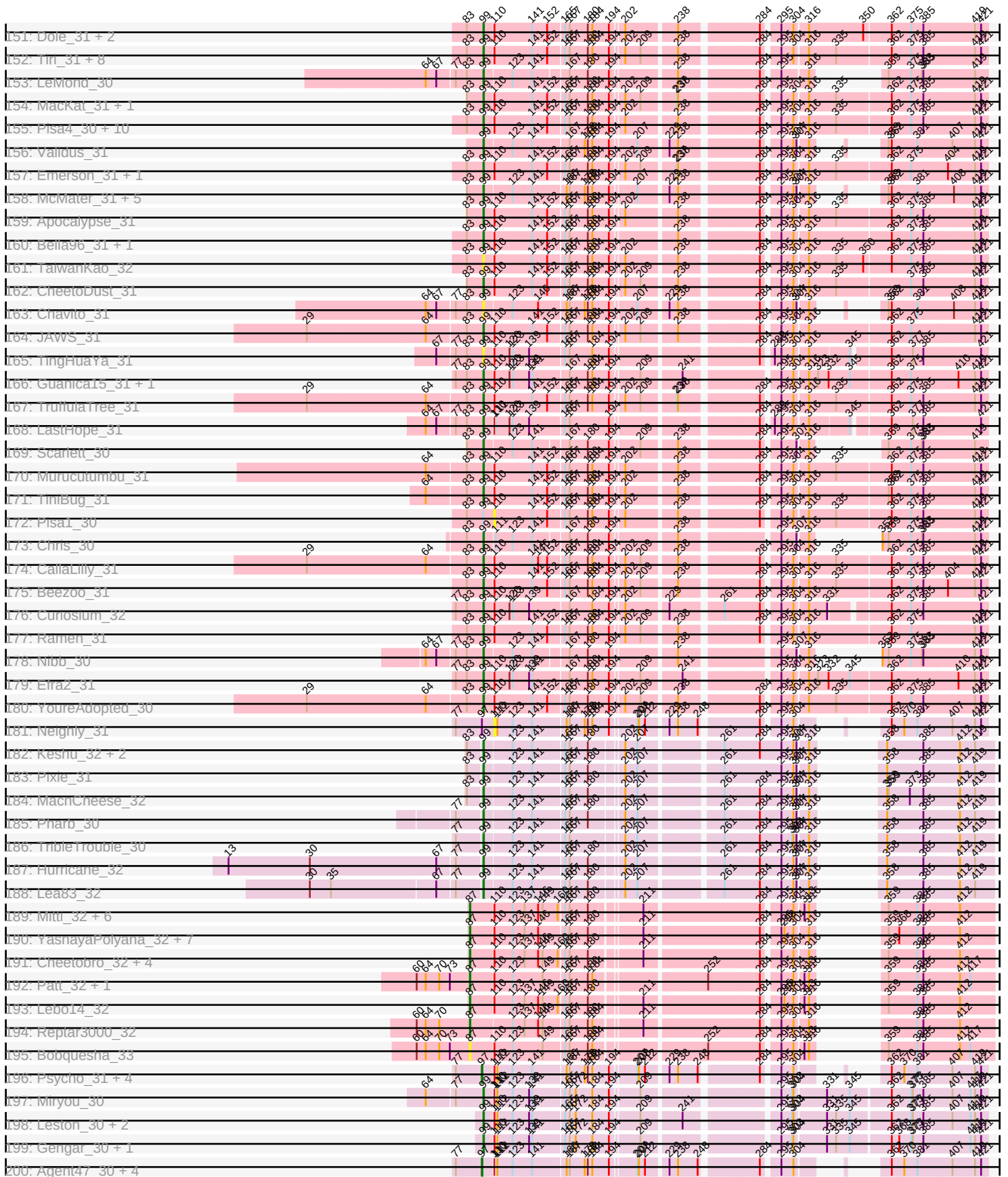
Zoomed Pham 330306



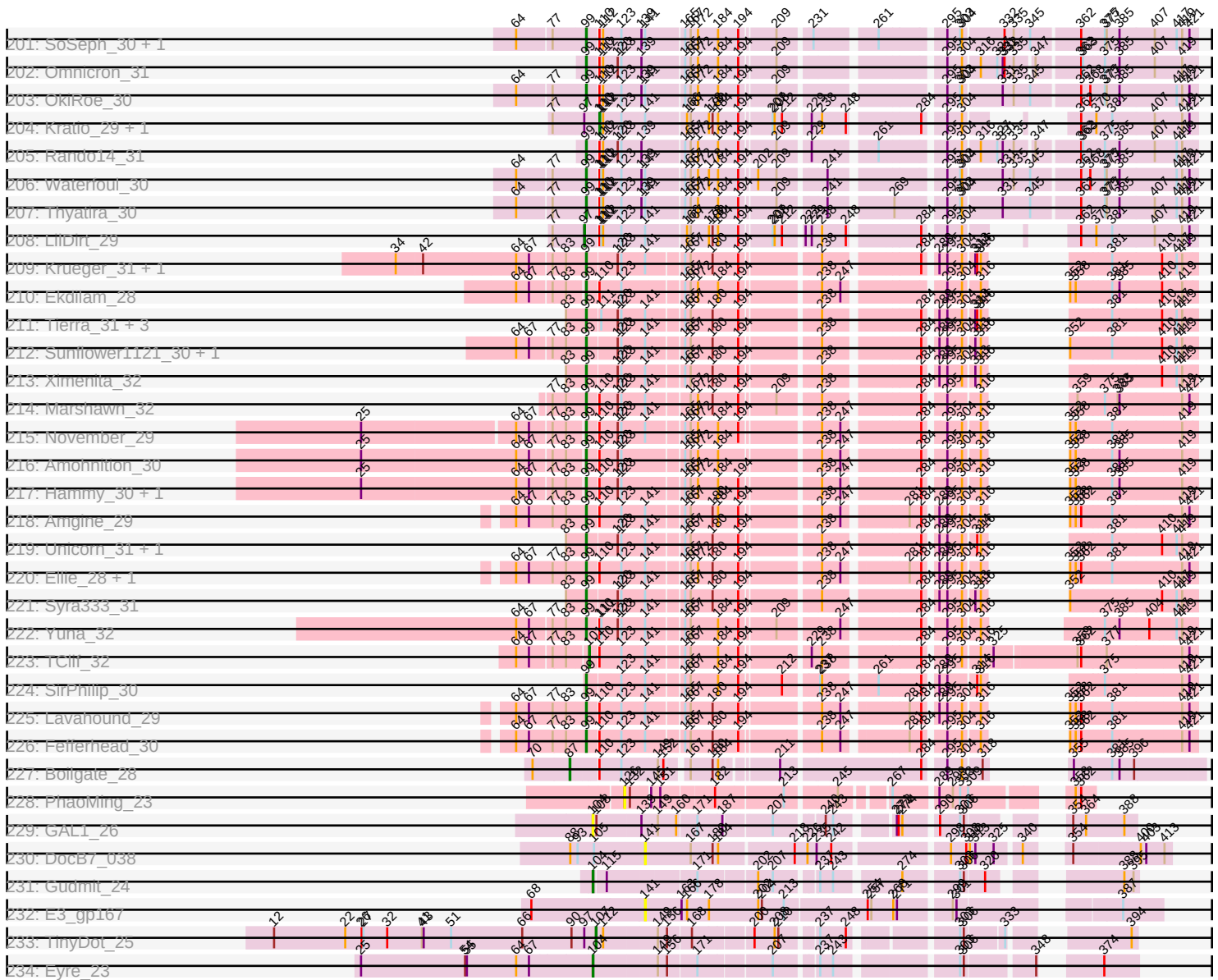
Zoomed Pham 330306



Zoomed Pham 330306



Zoomed Pham 330306



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 330306 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330306 has 609 members, 66 are drafts.

Phages represented in each track:

- Track 1 : PetterN_9, Chadwick_9, Scorpia_9
- Track 2 : Tarynearal_7, Milcery_8, HuhtaEnerson15_8, Cuco_8, Micasa_8, Bonamassa_8, Twigg_8, George_7, Prinash11_9, Swirley_8, LittleCherry_8
- Track 3 : Coog_8, Midas2_8, MarysWell_7, Theia_7, Dublin_7
- Track 4 : Florence1_8
- Track 5 : Airmid_8, Benedict_8, ElTiger69_8
- Track 6 : Jabiru_8
- Track 7 : Naca_8
- Track 8 : Cuke_31
- Track 9 : MrMiyagi_34
- Track 10 : Fowlmouth_34
- Track 11 : Nergal_27
- Track 12 : MalagasyRose_31
- Track 13 : Peregrin_29
- Track 14 : Grayson_31
- Track 15 : Weasels2_31
- Track 16 : Nova53_11
- Track 17 : Francesca_10
- Track 18 : Dorin_11
- Track 19 : Polyyuki_20, Braxoaddie_20, Apiary_20
- Track 20 : Maselop_20
- Track 21 : CoffeeBean_20
- Track 22 : Gagieri_19
- Track 23 : MacGully_23
- Track 24 : HayZem_51, GTE7_40, GMA7_41
- Track 25 : Austin_52, Amore2_52
- Track 26 : Dakiti_51, Chelms_50
- Track 27 : Sombrero_50, Boneham_53, Butterball_53, FelixAlejandro_54
- Track 28 : Kelzog_51, Squibbles_49, Monty_48
- Track 29 : Msay19_54, Poland_54
- Track 30 : Jellybones_52
- Track 31 : PokyPuppy_49
- Track 32 : Hotorobo_49
- Track 33 : Flakey_49, Barbochs_48
- Track 34 : Linetti_51
- Track 35 : BirksAndSocks_54, John316_53, Gorko_49, Exiguo_49, Sam12_49, CathyBurgh_49, RemRem_50, Ekhein_50, Lizzo_49

- Track 36 : PierreThree_50, Crete_51, BigShaq_50, BenoitCattle_51
- Track 37 : Eggsie_48
- Track 38 : BillyBobJr_55, CinnamonToast_55
- Track 39 : Diabla_53, SteveFrench_49, RoyalG_50
- Track 40 : GourdThymes_49
- Track 41 : Worcestershire_49
- Track 42 : Adgers_51
- Track 43 : Beaver_53
- Track 44 : Breezic_49
- Track 45 : Benczkowski14_44, Katyusha_44, Kvothe_44, Teech_45
- Track 46 : ASerpRocky_44
- Track 47 : Philon9_46, Vitaenoi_46
- Track 48 : Tredge_45, Teatealatte_45
- Track 49 : Demosthenes_43
- Track 50 : Hollow_45, Niagara_44
- Track 51 : William_26
- Track 52 : PrincePatrick_25
- Track 53 : Toast_26, PCoral7_26
- Track 54 : Fairfaxidum_25
- Track 55 : GMA5_15
- Track 56 : Rahul_17
- Track 57 : GRU3_15
- Track 58 : Coeur_17
- Track 59 : EMSquaredA_27, Pollux_27, Bradissa_27, EnalisNailo_27, Marteena_27, Floral_27
- Track 60 : Lilas_27
- Track 61 : BritBrat_27
- Track 62 : Wrigley_28, Jablanski_28, Posh_28, Pytheas_28
- Track 63 : Lton_23
- Track 64 : Pepperoni_24
- Track 65 : JCole_22
- Track 66 : Mocha12_24, GemG_24, Ebert_24, Yinzer_24, Gizermo_24, Cynthia_24, Whiteclaw_24, Savage_24, Sproutie_24, Clap_24, Haley23_24, TuertoX_24
- Track 67 : Attis_24, Yeet412_24, LordFarquaad_24, SoilAssassin_24, Bjanes7_24
- Track 68 : Matteo_23
- Track 69 : Pickett_23
- Track 70 : Vasanti_23
- Track 71 : Nettuno_23
- Track 72 : Lamberg_23, EdnaMode_23
- Track 73 : Sahara_23
- Track 74 : FroggyToad_24
- Track 75 : Jalleen_24
- Track 76 : Denise_22
- Track 77 : Moosehead_23
- Track 78 : Faith5x5_23
- Track 79 : OneDirection_22
- Track 80 : RavenCo17_24
- Track 81 : BBQValindra_26
- Track 82 : Chipko_27
- Track 83 : Bowser_26
- Track 84 : Coriander_27, Doggs_26
- Track 85 : Kiko_27
- Track 86 : NaLuna_26, HannahD_26, GEazy_26

- Track 87 : Dmitri_27
- Track 88 : DirtyBoi_28
- Track 89 : Hedwig_28
- Track 90 : RayTheFireFly_27
- Track 91 : Opie_26
- Track 92 : MagicMan_26, Schnabeltier_26
- Track 93 : ZAYM_27
- Track 94 : TaronosaurusRx_26
- Track 95 : BackstagePass_26
- Track 96 : Eyes_26
- Track 97 : Jecs_27
- Track 98 : Moonflower_27
- Track 99 : PatriciaStar_25
- Track 100 : Bunker_26
- Track 101 : Morkie_24, InLimbo_25, PhorbesPhlower_24
- Track 102 : Lucky10_24
- Track 103 : Emperor_4
- Track 104 : EpicDab_7
- Track 105 : Malisha_30
- Track 106 : Lenoshki_31, Beted_31, Oogie_32
- Track 107 : Gray_31
- Track 108 : GMA6_16
- Track 109 : Farrylious_30, Amoonguss_30, EmoNemo_30, Twin_30, Chidiebere_31, Toneprano_30, Argena_30, Kabocha_32, Alok_31, Pakusa_30, Mikronejon_31, Schomber_30, MintFritos_30
- Track 110 : ScarletRaider_30, FlyingTortilla_30
- Track 111 : DalanDe_26, Thales_26
- Track 112 : FruityLoops_29
- Track 113 : Hanem_31
- Track 114 : ChisanaKitsune_27
- Track 115 : UBSmoodge_32
- Track 116 : Shatter_42, Ligma_42, Fresco_42, Axumite_42
- Track 117 : TraderJ_45, Yeshua_45, Wooper_45
- Track 118 : MossRose_45, MakoManhole_45, AnarQue_45, CaiB_45
- Track 119 : Sour_47
- Track 120 : Evaa_42
- Track 121 : Sisko_42, AnClar_43
- Track 122 : FelixTres_45, CloverMinnie_45, Blackpen_45
- Track 123 : JellyBelly_42
- Track 124 : AksarBAT_43, NHagos_43
- Track 125 : Mariokart_42
- Track 126 : Yago84_42
- Track 127 : LittleMunchkin_44
- Track 128 : BiggityBass_42
- Track 129 : CharlottesWeb_42
- Track 130 : BobRoss2024_41
- Track 131 : Coco2012_42
- Track 132 : BabyMoney_47
- Track 133 : Dogfish_46
- Track 134 : Nyceirae_51
- Track 135 : Vordorf_47
- Track 136 : Meyran_46
- Track 137 : Ewald_46

- Track 138 : Manilisa_49
- Track 139 : Phishy_50
- Track 140 : Stark_36, Gemini_38, Maxxinista_36, Elph10_36, Tarkin_37, Moldemort_36, Emmina_36, Glexan_33, StellaBean_35, Sassay_34, BugsBunny_33, Tomaszewski_34, TBrady12_37, MadamMonkfish_35, Kostya_36, Harella_34, Kanye_37, SirDuracell_34, TeardropMSU_34, GoldenSpark_37, Thresher_36, 244_37, ChotaBhai_35, Gage_37, Simpliphy_36, Lilpickle_34, AmericanBeauty_37, Phaja_35, Argent26_37, Nimrod_35, Rakim_36, Manda_36, YassJohnny_36, SophKB_35, Youngblood_35, Adnama_38, GooberAzure_37, Pat3_34, Hopey_37, Command613_36, Balomoji_34, Miniwave_35, FairyPath_35, JeTaime_37, Icee_34, MPhalcon_34, BaboJay_34, BadStone_34, Saints25_36, Asriel_34, Kimchi_37, ShereKhan_37, Stank_38, Bask21_35, NoSleep_36, Quallification_36, Tuco_36, Easy2Say_37, NonchalantPear_35, Contagion_34, StolenFromERC_37, Cactus_36, Mindy_35, Hoonter_37, Traaww1_33, Flypotenuse_33, Mosby_34, Lilac_37, Filch_36, Barbarian_34, Sotrice96_35, Eureka_35, Amao_35, NelitzaMV_35, Czystczon1_36, RiverMonster_35, BigBubba_36, Terminus_35, Goldilocks_36, Brewer_35, Bench_37, Murphy_36, IHOP_35, Gator_33, Elite2014_34, Cjw1_35, Misfit_35, Ukulele_35, Goku_35, ChosenOne_35, Henry_36, Myrale_35, Bruin_35, Wiggin_38, Xandras_37, Willez_34, DrDrey_36, Paperbeatsrock_37, Holt_36, Thimble_35, Nala_35, PaddyBaddy_36, HanKaySha_36, Daikon_34, Marshmallow_35, Cookies_35, Porky_35, Dusk_34, Pumpkin_37, Teaspoon_36, Highbury_36, ABCat_34, Lilizi_37, OrionPax_36, Pharsalus_36
- Track 141 : StormChicken_35, HufflyPuff_34, Petra64142_37, FireRed_35, MollyToe_35, Bogg_35, Rimmer_34, FoghornLeghorn_34, MISSy_34, BilboSwaggins_35, Becksu_35, TeamEdward_35, PhatBacter_35, Liveloughbron_36, Palpatine_35, Phaux_34, Inca_34, Phrux_35, CrystalP_35, Greep_36, Ptowny_36, Policronamos_35, ShamWow_35, Buck_34, xkcd_36, Toto_35, Murica_34
- Track 142 : Budgie_37
- Track 143 : Dumbo_35
- Track 144 : DoctorDiddles_35
- Track 145 : Mdavu_27, Teejan_27, Trice_27, Enkosi_27, Amelie_27, Nikao_27, LilPharaoh_27, Binglebops_27, Torres_27, SgtBeansprout_27, Nutello_27
- Track 146 : MarkPhew_31
- Track 147 : Spock_31, Padfoot_31, BEEST_31, Asayake_31, Twitch_31, CaseJules_31, Blizzard_31, Llorens_31, Homura_31, ShiaSurprise_31, Joy99_31, Angelica_31, Dalmuri_31, Jeckyll_31, Belladonna_31, Peel_31, CREW_31, AlishaPH_31, Topper_31, Rosmarinus_31, Lunahalos_31, Sulley_31, Inky_31, Deby_31, Piatt_31, BaghaKamala_31, Durfee_31, BGiluviae_31, Capricorn_31, Boiii_31, Hyperbowlee_31, Jarvi_31
- Track 148 : Oscar_30, KiSi_30
- Track 149 : Jayhawk_31, Slimphazie_31, BarrelRoll_31, ActinUp_31, HedwigODU_31, Rapunzel97_31, Atiba_31, Adephagia_31, Veliki_31, Tachez_31, Zabiza_31
- Track 150 : Anma_31, Urkel_31, SamuelLPlaqson_31, DrHayes_31
- Track 151 : Dole_31, Devera_31, Illumine_31
- Track 152 : Tiri_31, QuincyRose_30, Adonis_31, MeaningOfLife_31, Pokerus_30, Mynx_31, Ganymede_32, Zavala_31, Geraldini_31
- Track 153 : LeMond_30
- Track 154 : MacKat_31, Clipper_31
- Track 155 : Pisa4_30, Ageofdapage_31, Anaya_32, Bern_31, Prithvi_31, CrimD_31, LindNT_31, Stinson_32, TreyKay_31, LaterM_31, Megsy_31
- Track 156 : Validus_31
- Track 157 : Emerson_31, Padpat_31

- Track 158 : McMater_31, Niklas_31, Richo_31, Dartin_31, Peanam_31, Shaobing_31
- Track 159 : Apocalypse_31
- Track 160 : Bella96_31, DartGoblin_31
- Track 161 : TaiwanKao_32
- Track 162 : CheetoDust_31
- Track 163 : Chavito_31
- Track 164 : JAWS_31
- Track 165 : TingHuaYa_31
- Track 166 : Guanica15_31, Yunkel11_31
- Track 167 : TruffulaTree_31
- Track 168 : LastHope_31
- Track 169 : Scarlett_30
- Track 170 : Murucutumbu_31
- Track 171 : TiniBug_31
- Track 172 : Pisa1_30
- Track 173 : Chris_30
- Track 174 : CallaLilly_31
- Track 175 : Beezoo_31
- Track 176 : Curiosium_32
- Track 177 : Ramen_31
- Track 178 : Nibb_30
- Track 179 : Efra2_31
- Track 180 : YoureAdopted_30
- Track 181 : Neighly_31
- Track 182 : Keshu_32, ShedlockHolmes_32, TBond007_31
- Track 183 : Pixie_31
- Track 184 : MacnCheese_32
- Track 185 : Pharb_30
- Track 186 : TribbleTrouble_30
- Track 187 : Hurricane_32
- Track 188 : Lea83_32
- Track 189 : Mitti_32, Eponine_34, DanSyl44_35, SamScheppers_32, Ruthiejr_33, OmniCritical_32, Taquito_32
- Track 190 : YasnayaPolyana_32, Wintermute_32, Malthus_33, JF1_32, Y2_32, Y10_32, Kraw_32, Fionnbharth_32
- Track 191 : Cheetobro_32, Chancellor_32, Qhanda_33, Slarp_32, Juliette_34
- Track 192 : Patt_32, MissDaisy_32
- Track 193 : Lebo14_32
- Track 194 : Reptar3000_32
- Track 195 : Bobquesha_33
- Track 196 : Psycho_31, Larva_31, Dadosky_31, AlleyCat_31, Edugator_30
- Track 197 : Miryou_30
- Track 198 : Leston_30, Guillsminger_30, Paola_30
- Track 199 : Gengar_30, Feyre_30
- Track 200 : Agent47_30, Collard_30, ViviJ_29, BananenDer11_30, InvictusManeo_30
- Track 201 : SoSeph_30, Heftyboy_30
- Track 202 : Omnicron_31
- Track 203 : OkiRoe_30
- Track 204 : Kratio_29, DoubleChamp_30
- Track 205 : Rando14_31
- Track 206 : Waterfoul_30

- Track 207 : Thyatira_30
- Track 208 : LilDirt_29
- Track 209 : Krueger_31, Tigress9_31
- Track 210 : Ekdilam_28
- Track 211 : Tierra_31, Phrank_31, Bryler_31, Cain_31
- Track 212 : Sunflower1121_30, Shadow1_30
- Track 213 : Ximenita_32
- Track 214 : Marshawn_32
- Track 215 : November_29
- Track 216 : Amohnition_30
- Track 217 : Hammy_30, DarthP_30
- Track 218 : Amgine_29
- Track 219 : Unicorn_31, PhelpsODU_31
- Track 220 : Ellie_28, Applecrisp_29
- Track 221 : Syra333_31
- Track 222 : Yuna_32
- Track 223 : TClif_32
- Track 224 : SirPhilip_30
- Track 225 : Lavahound_29
- Track 226 : Fefferhead_30
- Track 227 : Boilgate_28
- Track 228 : PhaoMing_23
- Track 229 : GAL1_26
- Track 230 : DocB7_038
- Track 231 : Gudmit_24
- Track 232 : E3_gp167
- Track 233 : TinyDot_25
- Track 234 : Eyre_23

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

The start number called the most often in the published annotations is 99, it was called in 152 of the 543 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• ActinUp_31, Adephagia_31, Adonis_31, Ageofdapage_31, AlishaPH_31, Amgine_29, Amohnition_30, Anaya_32, Angelica_31, Anma_31, Apocalypse_31, Applecrisp_29, Asayake_31, Atiba_31, BEEST_31, BGlluviae_31, BaghaKamala_31, BarrelRoll_31, Beezoo_31, Bella96_31, Belladonna_31, Bern_31, Blizzard_31, Boiiii_31, Bryler_31, CREW_31, Cain_31, CallaLilly_31, Capricorn_31, CaseJules_31, Chavito_31, CheetoDust_31, Chris_30, Clipper_31, CrimD_31, Curiosium_32, Dalmuri_31, DartGoblin_31, DarthP_30, Dartin_31, Deby_31, Devera_31, Dole_31, DrHayes_31, Durfee_31, Efra2_31, Ekdilam_28, Ellie_28, Emerson_31, Fefferhead_30, Feyre_30, Ganymede_32, Gengar_30, Geraldini_31, Guanica15_31, Guillsminger_30, Hammy_30, HedwigODU_31, Heftyboy_30, Homura_31, Hurricane_32, Hyperbowlee_31, Illumine_31, Inky_31, JAWS_31, Jarvi_31, Jayhawk_31, Jeckyll_31, Joy99_31, Keshu_32, KiSi_30, Krueger_31, LastHope_31, LaterM_31, Lavahound_29, LeMond_30, Lea83_32, Leston_30, LindNT_31, Llorens_31, Lunahalos_31, MacKat_31, MacnCheese_32, MalagasyRose_31, MarkPhew_31, Marshawn_32, McMater_31, MeaningOfLife_31,

Megsy_31, Miryou_30, Murucutumbu_31, Mynx_31, Nibb_30, Niklas_31, November_29, OkiRoe_30, Omnicron_31, Oscar_30, Padfoot_31, Padpat_31, Paola_30, Peanam_31, Peel_31, Pharb_30, PhelpsODU_31, Phrank_31, Piatt_31, Pisa4_30, Pixie_31, Pokerus_30, Prithvi_31, QuincyRose_30, Ramen_31, Rando14_31, Rapunzel97_31, Richo_31, Rosmarinus_31, SamuelLPagson_31, Scarlett_30, Shadow1_30, Shaobing_31, ShedlockHolmes_32, ShiaSurprise_31, SirPhilip_30, Slimphazie_31, SoSeph_30, Spock_31, Stinson_32, Sulley_31, Sunflower1121_30, Syra333_31, TBond007_31, Tachez_31, TaiwanKao_32, Thyatira_30, Tierra_31, Tigress9_31, TingHuaYa_31, TiniBug_31, Tiri_31, Topper_31, TreyKay_31, TribbleTrouble_30, TruffulaTree_31, Twitch_31, Unicorn_31, Urkel_31, Validus_31, Veliki_31, Waterfoul_30, Ximenita_32, YoureAdopted_30, Yuna_32, Yunkel11_31, Zabiza_31, Zavala_31,

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

- Pisa1_30,

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

- 244_37, ABCat_34, ASerpRocky_44, Adgers_51, Adnama_38, Agent47_30, Airmid_8, AksarBAT_43, AlleyCat_31, Aloki_31, Amao_35, Amelie_27, AmericanBeauty_37, Amoonguss_30, Amore2_52, AnClar_43, AnarQue_45, Apiary_20, Argena_30, Argent26_37, Asriel_34, Attis_24, Austin_52, Axumite_42, BBQValindra_26, BaboJay_34, BabyMoney_47, BackstagePass_26, BadStone_34, Balomoji_34, BananenDer11_30, Barbarian_34, Barbochs_48, Bask21_35, Beaver_53, Becksu_35, Bench_37, Benczkowski14_44, Benedict_8, BenoitCattle_51, Beted_31, BigBubba_36, BigShaq_50, BiggityBass_42, Binglebops_27, BilboSwaggins_35, BillyBobJr_55, BirksAndSocks_54, Bjanes7_24, Blackpen_45, BobRoss2024_41, Bobquesha_33, Bogg_35, Boilgate_28, Bonamassa_8, Boneham_53, Bowser_26, Bradissa_27, Braxoaddie_20, Breezic_49, Brewer_35, BritBrat_27, Bruin_35, Buck_34, Budgie_37, BugsBunny_33, Bunker_26, Butterball_53, Cactus_36, CaiB_45, CathyBurgh_49, Chadwick_9, Chancellor_32, CharlottesWeb_42, Cheetobro_32, Chelms_50, Chidiebere_31, Chipko_27, ChisanaKitsune_27, ChosenOne_35, ChotaBhai_35, CinnamonToast_55, Cjw1_35, Clap_24, CloverMinnie_45, Coco2012_42, Coeur_17, CoffeeBean_20, Collard_30, Command613_36, Contagion_34, Coog_8, Cookies_35, Coriander_27, Crete_51, CrystalP_35, Cuco_8, Cuke_31, Cynthia_24, Czystczon1_36, Dadosky_31, Daikon_34, Dakiti_51, DalanDe_26, DanSyl44_35, Demosthenes_43, Denise_22, Diabla_53, DirtyBoi_28, Dmitri_27, DocB7_038, DoctorDiddles_35, Dogfish_46, Doggs_26, Dorin_11, DoubleChamp_30, DrDrey_36, Dublin_7, Dumbo_35, Dusk_34, E3_gp167, EMSquaredA_27, Easy2Say_37, Ebert_24, EdnaMode_23, Edugator_30, Eggsie_48, Ekhein_50, ElTiger69_8, Elite2014_34, Elph10_36, Emmina_36, EmoNemo_30, Emperor_4, EnalisNailo_27, Enkosi_27, EpicDab_7, Eponine_34, Eureka_35, Evaa_42, Ewald_46, Exiguo_49, Eyes_26, Eyre_23, Fairfaxidum_25, FairyPath_35, Faith5x5_23, Farrylous_30, FelixAlejandro_54, FelixTres_45, Filch_36, Fionnbharth_32, FireRed_35, Flakey_49, Floral_27, Florence1_8, FlyingTortilla_30, Flypotenuse_33, FoghornLeghorn_34, Fowlmouth_34, Francesca_10, Fresco_42, FroggyToad_24, FruityLoops_29, GAL1_26, GEazy_26, GMA5_15, GMA6_16, GMA7_41, GRU3_15, GTE7_40, Gage_37, Gagieri_19, Gator_33, GemG_24, Gemini_38, George_7, Gizermo_24, Glexan_33, Goku_35, GoldenSpark_37, Goldilocks_36, GooberAzure_37, Gorko_49, GourdThymes_49, Gray_31, Grayson_31, Greep_36, Gudmit_24, Haley23_24, HanKaySha_36, Hanem_31, HannahD_26, Harella_34, HayZem_51, Hedwig_28, Henry_36, Highbury_36, Hollow_45, Holt_36, Hoonter_37, Hopey_37, Hotorobo_49, HuffyPuff_34, HuhtaEnerson15_8, IHOP_35, Icee_34, InLimbo_25, Inca_34,

InvictusManeo_30, JCole_22, JF1_32, Jabiru_8, Jablanski_28, Jalleen_24, JeTaime_37, Jecs_27, JellyBelly_42, Jellybones_52, John316_53, Juliette_34, Kabocha_32, Kanye_37, Katyusha_44, Kelzog_51, Kiko_27, Kimchi_37, Kostya_36, Kratio_29, Kraw_32, Kvothe_44, Lamberg_23, Larva_31, Lebo14_32, Lenoshki_31, Ligma_42, LilDirt_29, LilPharaoh_27, Lilac_37, Lilas_27, Lilizi_37, Lilpickle_34, Linetti_51, LittleCherry_8, LittleMunchkin_44, Liveloughbron_36, Lizzo_49, LordFarquaad_24, Lton_23, Lucky10_24, MISSy_34, MPhalcon_34, MacGully_23, MadamMonkfish_35, MagicMan_26, MakoManhole_45, Malisha_30, Malthus_33, Manda_36, Manilisa_49, Mariokart_42, Marshmallow_35, Marteena_27, MarysWell_7, Maselop_20, Matteo_23, Maxxinista_36, Mdavu_27, Meyran_46, Micasa_8, Midas2_8, Mikronejon_31, Milcery_8, Mindy_35, Miniwave_35, MintFritos_30, Misfit_35, MissDaisy_32, Mitti_32, Mocha12_24, Moldemort_36, MollyToe_35, Monty_48, Moonflower_27, Moosehead_23, Morkie_24, Mosby_34, MossRose_45, MrMiyagi_34, Msay19_54, Murica_34, Murphy_36, Myrale_35, NHagos_43, NaLuna_26, Naca_8, NaLa_35, Neighly_31, NelitzaMV_35, Nergal_27, Nettuno_23, Niagara_44, Nikao_27, Nimrod_35, NoSleep_36, NonchalantPear_35, Nova53_11, Nutello_27, Nyceirae_51, OmniCritical_32, OneDirection_22, Oogie_32, Opie_26, OrionPax_36, PCoral7_26, PaddyBaddy_36, Pakusa_30, Palpatine_35, Paperbeatsrock_37, Pat3_34, PatriciaStar_25, Patt_32, Pepperoni_24, Peregrin_29, Petra64142_37, PetterN_9, Phaja_35, PhaoMing_23, Pharsalus_36, PhatBacter_35, Phaux_34, Pihlon9_46, Phishy_50, PhorbesPhlower_24, Phrux_35, Pickett_23, PierreThree_50, PokyPuppy_49, Poland_54, Policronamos_35, Pollux_27, Polyyuki_20, Porky_35, Posh_28, Prinashel1_9, PrincePatrick_25, Psycho_31, Ptowny_36, Pumpkin_37, Pytheas_28, Qhanda_33, Qualification_36, Rahul_17, Rakim_36, RavenCo17_24, RayTheFireFly_27, RemRem_50, Reptar3000_32, Rimmer_34, RiverMonster_35, RoyalG_50, Ruthiejr_33, Sahara_23, Saints25_36, Sam12_49, SamScheppers_32, Sassay_34, Savage_24, ScarletRaider_30, Schnabeltier_26, Schomber_30, Scorpio_9, SgtBeansprout_27, ShamWow_35, Shatter_42, ShereKhan_37, Simpliphy_36, SirDuracell_34, Sisko_42, Slarp_32, SoilAssassin_24, Sombrero_50, SophKB_35, Sotrice96_35, Sour_47, Sproutie_24, Squibbles_49, Stank_38, Stark_36, StellaBean_35, SteveFrench_49, StolenFromERC_37, StormChicken_35, Swirley_8, TBrady12_37, TClif_32, Taquito_32, Tarkin_37, TaronosaurusRx_26, Tarynearal_7, TeamEdward_35, TeardropMSU_34, Teaspoon_36, Teatealatte_45, Teech_45, Teejan_27, Terminus_35, Thales_26, Theia_7, Thimble_35, Thresher_36, TinyDot_25, Toast_26, Tomaszewski_34, Toneprano_30, Torres_27, Toto_35, Traaww1_33, TraderJ_45, Tredge_45, Trice_27, Tuco_36, TuertoX_24, Twigg_8, Twin_30, UBSmoodge_32, Ukulele_35, Vasanti_23, Vitaenoi_46, ViviJ_29, Vordorf_47, Weasels2_31, Whiteclaw_24, Wiggin_38, Willez_34, William_26, Wintermute_32, Wooper_45, Worcestershire_49, Wrigley_28, Xandras_37, Y10_32, Y2_32, Yago84_42, YasnayaPolyana_32, YassJohnny_36, Yeet412_24, Yeshua_45, Yinzer_24, Youngblood_35, ZAYM_27, xkcd_36,

Summary by start number:

Start 76:

- Found in 3 of 609 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cuke_31 (AC), Fowlmouth_34 (AC), MrMiyagi_34 (AC),

Start 81:

- Found in 145 of 609 (23.8%) of genes in pham
- Manual Annotations of this start: 134 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_37 (E), ABCat_34 (E), Adnama_38 (E), Amao_35 (E), AmericanBeauty_37 (E), Argent26_37 (E), Asriel_34 (E), BaboJay_34 (E), BadStone_34 (E), Balomoji_34 (E), Barbarian_34 (E), Bask21_35 (E), Becksu_35 (E), Bench_37 (E), BigBubba_36 (E), BilboSwaggins_35 (E), Bogg_35 (E), Brewer_35 (E), Bruin_35 (E), Buck_34 (E), Budgie_37 (E), BugsBunny_33 (E), Cactus_36 (E), ChosenOne_35 (E), ChotaBhai_35 (E), Cjw1_35 (E), Command613_36 (E), Contagion_34 (E), Cookies_35 (E), CrystalP_35 (E), Czystczon1_36 (E), Daikon_34 (E), DoctorDiddles_35 (E), DrDrey_36 (E), Dumbo_35 (E), Dusk_34 (E), Easy2Say_37 (E), Elite2014_34 (E), Elph10_36 (E), Emmina_36 (E), Eureka_35 (E), FairyPath_35 (E), Filch_36 (E), FireRed_35 (E), Flypotenuse_33 (E), FoghornLeghorn_34 (E), Gage_37 (E), Gator_33 (E), Gemini_38 (E), Glexan_33 (E), Goku_35 (E), GoldenSpark_37 (E), Goldilocks_36 (E), GooberAzure_37 (E), Greep_36 (E), HanKaySha_36 (E), Harella_34 (E), Henry_36 (E), Highbury_36 (E), Holt_36 (E), Hoonter_37 (E), Hopey_37 (E), HufflyPuff_34 (E), IHOP_35 (E), Icee_34 (E), Inca_34 (E), JeTaime_37 (E), Kanye_37 (E), Kimchi_37 (E), Kostya_36 (E), Lilac_37 (E), Lilizi_37 (E), Lilpickle_34 (E), Liveloughbron_36 (E), MISSy_34 (E), MPhalcon_34 (E), MadamMonkfish_35 (E), Manda_36 (E), Marshmallow_35 (E), Maxxinista_36 (E), Mindy_35 (E), Miniwave_35 (E), Misfit_35 (E), Moldemort_36 (E), MollyToe_35 (E), Mosby_34 (E), Murica_34 (E), Murphy_36 (E), Myrale_35 (E), Nala_35 (E), NelitzaMV_35 (E), Nimrod_35 (E), NoSleep_36 (E), NonchalantPear_35 (E), OrionPax_36 (E), PaddyBaddy_36 (E), Palpatine_35 (E), Paperbeatsrock_37 (E), Pat3_34 (E), Petra64142_37 (E), Phaja_35 (E), Pharsalus_36 (E), PhatBacter_35 (E), Phaux_34 (E), Phrux_35 (E), Policronamos_35 (E), Porky_35 (E), Ptowny_36 (E), Pumpkin_37 (E), Quallification_36 (E), Rakim_36 (E), Rimmer_34 (E), RiverMonster_35 (E), Saints25_36 (E), Sassay_34 (E), ShamWow_35 (E), ShereKhan_37 (E), Simpliphy_36 (E), SirDuracell_34 (E), SophKB_35 (E), Sotrice96_35 (E), Stank_38 (E), Stark_36 (E), StellaBean_35 (E), StolenFromERC_37 (E), StormChicken_35 (E), TBrady12_37 (E), Tarkin_37 (E), TeamEdward_35 (E), TeardropMSU_34 (E), Teaspoon_36 (E), Terminus_35 (E), Thimble_35 (E), Thresher_36 (E), Tomaszewski_34 (E), Toto_35 (E), Traaww1_33 (E), Tucō_36 (E), Ukulele_35 (E), Wiggins_38 (E), Willez_34 (E), Xandras_37 (E), YassJohnny_36 (E), Youngblood_35 (E), xkcd_36 (E),

Start 85:

- Found in 6 of 609 (1.0%) of genes in pham
- Manual Annotations of this start: 4 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coeur_17 (CW2), Emperor_4 (DM), EpicDab_7 (DM), GMA5_15 (CW2), GRU3_15 (CW2), Rahul_17 (CW2),

Start 87:

- Found in 26 of 609 (4.3%) of genes in pham
- Manual Annotations of this start: 23 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bobquesha_33 (K4), Boilgate_28 (K8), Chancellor_32 (K4), Cheetobro_32 (K4), DanSyl44_35 (K4), Eponine_34 (K4), Fionnbharth_32 (K4), JF1_32 (K4), Juliette_34 (K4), Kraw_32 (K4), Lebo14_32 (K4), Malthus_33 (K4), MissDaisy_32 (K4), Mitti_32 (K4), OmniCritical_32 (K4), Patt_32 (K4), Qhanda_33 (K4), Reptar3000_32 (K4), Ruthiejr_33 (K4), SamScheppers_32 (K4), Slarp_32 (K4), Taquito_32 (K4), Wintermute_32 (K4), Y10_32 (K4), Y2_32 (K4),

YasnayaPolyana_32 (K4),

Start 88:

- Found in 26 of 609 (4.3%) of genes in pham
- Manual Annotations of this start: 23 of 543
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Airmid_8 (A5), Benedict_8 (A5), Bonamassa_8 (A5), Chadwick_9 (A5), Coog_8 (A5), Cuco_8 (A5), Dublin_7 (A5), ElTiger69_8 (A5), George_7 (A5), HuhtaEnerson15_8 (A5), Jabiru_8 (A5), LittleCherry_8 (A5), MarysWell_7 (A5), Micasa_8 (A5), Midas2_8 (A5), Milcery_8 (A5), Naca_8 (A5), PetterN_9 (A5), Prinasse11_9 (A5), Scorpio_9 (A5), Swirley_8 (A5), Tarynearal_7 (A5), Theia_7 (A5), Twigg_8 (A5),

Start 91:

- Found in 10 of 609 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 543
- Called 10.0% of time when present
- Phage (with cluster) where this start called: BritBrat_27 (CY2),

Start 92:

- Found in 11 of 609 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 543
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Lilas_27 (CY1),

Start 94:

- Found in 18 of 609 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 543
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Gray_31 (DQ),

Start 97:

- Found in 32 of 609 (5.3%) of genes in pham
- Manual Annotations of this start: 20 of 543
- Called 68.8% of time when present
- Phage (with cluster) where this start called: Agent47_30 (K5), AlleyCat_31 (K5), Amelie_27 (K1), BananenDer11_30 (K5), Binglebops_27 (K1), Collard_30 (K5), Dadosky_31 (K5), Edugator_30 (K5), Enkosi_27 (K1), InvictusManeo_30 (K5), Larva_31 (K5), LilDirt_29 (K5), LilPharaoh_27 (K1), Mdavu_27 (K1), Nikao_27 (K1), Nutello_27 (K1), Psycho_31 (K5), SgtBeansprout_27 (K1), Teejan_27 (K1), Torres_27 (K1), Trice_27 (K1), ViviJ_29 (K5),

Start 98:

- Found in 60 of 609 (9.9%) of genes in pham
- Manual Annotations of this start: 51 of 543
- Called 88.3% of time when present
- Phage (with cluster) where this start called: ASerpRocky_44 (CS4), Adgers_51 (CS2), Amore2_52 (CS1), Austin_52 (CS1), Barbochs_48 (CS2), Beaver_53 (CS2), Benczkowski14_44 (CS4), BenoitCattle_51 (CS2), BigShaq_50 (CS2), BirksAndSocks_54 (CS2), Boneham_53 (CS2), Breezic_49 (CS2), Butterball_53 (CS2), CathyBurgh_49 (CS2), Chelms_50 (CS2), Crete_51 (CS2), Dakiti_51 (CS2), Demosthenes_43 (CS4), Diabla_53 (CS2), Eggsie_48 (CS2), Ekhein_50 (CS2), Exiguo_49 (CS2), FelixAlejandro_54 (CS2), Flakey_49 (CS2), GMA7_41 (CS1),

GTE7_40 (CS1), Gorko_49 (CS2), GourdThymes_49 (CS2), HayZem_51 (CS1), Hollow_45 (CS4), Hotorobo_49 (CS2), Jellybones_52 (CS2), John316_53 (CS2), Katyusha_44 (CS4), Kvothe_44 (CS4), Linetti_51 (CS2), Lizzo_49 (CS2), Msay19_54 (CS2), Niagara_44 (CS4), Philon9_46 (CS4), PierreThree_50 (CS2), PokyPuppy_49 (CS2), Poland_54 (CS2), RemRem_50 (CS2), RoyalG_50 (CS2), Sam12_49 (CS2), Sombrero_50 (CS2), SteveFrench_49 (CS2), Teatealatte_45 (CS4), Teech_45 (CS4), Tredge_45 (CS4), Vitaenoi_46 (CS4), Worcestershire_49 (CS2),

Start 99:

- Found in 157 of 609 (25.8%) of genes in pham
- Manual Annotations of this start: 152 of 543
- Called 99.4% of time when present
- Phage (with cluster) where this start called: ActinUp_31 (K1), Adephagia_31 (K1), Adonis_31 (K1), Ageofdapage_31 (K1), AlishaPH_31 (K1), Amgine_29 (K6), Amohnition_30 (K6), Anaya_32 (K1), Angelica_31 (K1), Anma_31 (K1), Apocalypse_31 (K1), Applecrisp_29 (K6), Asayake_31 (K1), Atiba_31 (K1), BEEST_31 (K1), BGlluviae_31 (K1), BaghaKamala_31 (K1), BarrelRoll_31 (K1), Beezoo_31 (K1), Bella96_31 (K1), Belladonna_31 (K1), Bern_31 (K1), Blizzard_31 (K1), Boiii_31 (K1), Bryler_31 (K6), CREW_31 (K1), Cain_31 (K6), CallaLilly_31 (K1), Capricorn_31 (K1), CaseJules_31 (K1), Chavito_31 (K1), CheetoDust_31 (K1), Chris_30 (K1), Clipper_31 (K1), CrimD_31 (K1), Curiosium_32 (K1), Dalmuri_31 (K1), DartGoblin_31 (K1), DarthP_30 (K6), Dartin_31 (K1), Deby_31 (K1), Devera_31 (K1), Dole_31 (K1), DrHayes_31 (K1), Durfee_31 (K1), Efra2_31 (K1), Ekdilam_28 (K6), Ellie_28 (K6), Emerson_31 (K1), Fefferhead_30 (K6), Feyre_30 (K5), Ganymede_32 (K1), Gengar_30 (K5), Geraldini_31 (K1), Guanica15_31 (K1), Guillsminger_30 (K5), Hammy_30 (K6), HedwigODU_31 (K1), Heftyboy_30 (K5), Homura_31 (K1), Hurricane_32 (K3), Hyperbowlee_31 (K1), Illumine_31 (K1), Inky_31 (K1), JAWS_31 (K1), Jarvi_31 (K1), Jayhawk_31 (K1), Jeckyll_31 (K1), Joy99_31 (K1), Keshu_32 (K3), KiSi_30 (K1), Krueger_31 (K6), LastHope_31 (K1), LaterM_31 (K1), Lavahound_29 (K6), LeMond_30 (K1), Lea83_32 (K3), Leston_30 (K5), LindNT_31 (K1), Llorens_31 (K1), Lunahalos_31 (K1), MacKat_31 (K1), MacnCheese_32 (K3), MalagasyRose_31 (AG), MarkPhew_31 (K1), Marshawn_32 (K6), McMater_31 (K1), MeaningOfLife_31 (K1), Megsy_31 (K1), Miryou_30 (K5), Murucutumbu_31 (K1), Mynx_31 (K1), Nibb_30 (K1), Niklas_31 (K1), November_29 (K6), OkiRoe_30 (K5), Omnicron_31 (K5), Oscar_30 (K1), Padfoot_31 (K1), Padpat_31 (K1), Paola_30 (K5), Peanam_31 (K1), Peel_31 (K1), Pharb_30 (K3), PhelpsODU_31 (K6), Phrank_31 (K6), Piatt_31 (K1), Pisa4_30 (K1), Pixie_31 (K3), Pokerus_30 (K1), Prithvi_31 (K1), QuincyRose_30 (K1), Ramen_31 (K1), Rando14_31 (K5), Rapunzel97_31 (K1), Richo_31 (K1), Rosmarinus_31 (K1), SamuelLPlaqson_31 (K1), Scarlett_30 (K1), Shadow1_30 (K6), Shaobing_31 (K1), ShedlockHolmes_32 (K3), ShiaSurprise_31 (K1), SirPhilip_30 (K6), Slimphazie_31 (K1), SoSeph_30 (K5), Spock_31 (K1), Stinson_32 (K1), Sulley_31 (K1), Sunflower1121_30 (K6), Syra333_31 (K6), TBond007_31 (K3), Tachez_31 (K1), TaiwanKao_32 (K1), Thyatira_30 (K5), Tierra_31 (K6), Tigress9_31 (K6), TingHuaYa_31 (K1), TiniBug_31 (K1), Tiri_31 (K1), Topper_31 (K1), TreyKay_31 (K1), TribbleTrouble_30 (K3), TruffulaTree_31 (K1), Twitch_31 (K1), Unicorn_31 (K6), Urkel_31 (K1), Validus_31 (K1), Veliki_31 (K1), Waterfoul_30 (K5), Ximenita_32 (K6), YoureAdopted_30 (K1), Yuna_32 (K6), Yunkel11_31 (K1), Zabiza_31 (K1), Zavala_31 (K1),

Start 100:

- Found in 147 of 609 (24.1%) of genes in pham
- No Manual Annotations of this start.
- Called 0.7% of time when present

- Phage (with cluster) where this start called: GMA6_16 (DQ),

Start 101:

- Found in 2 of 609 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_27 (AG), TClif_32 (K6),

Start 102:

- Found in 25 of 609 (4.1%) of genes in pham
- Manual Annotations of this start: 14 of 543
- Called 96.0% of time when present
- Phage (with cluster) where this start called: Alok_31 (DQ), Amoonguss_30 (DQ), Argena_30 (DQ), Beted_31 (DQ), Chidiebere_31 (DQ), ChisanaKitsune_27 (DQ), DalanDe_26 (DQ), EmoNemo_30 (DQ), Farrylous_30 (DQ), FlyingTortilla_30 (DQ), FruityLoops_29 (DQ), Hanem_31 (DQ), Kabocha_32 (DQ), Lenoshki_31 (DQ), Mikronejon_31 (DQ), MintFritos_30 (DQ), Oogie_32 (DQ), Pakusa_30 (DQ), ScarletRaider_30 (DQ), Schomber_30 (DQ), Thales_26 (DQ), Toneprano_30 (DQ), Twin_30 (DQ), UBSmoodge_32 (DQ),

Start 103:

- Found in 15 of 609 (2.5%) of genes in pham
- Manual Annotations of this start: 11 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AksarBAT_43 (DR), AnarQue_45 (DR), Blackpen_45 (DR), CaiB_45 (DR), CloverMinnie_45 (DR), FelixTres_45 (DR), InLimbo_25 (DH), MakoManhole_45 (DR), Morkie_24 (DH), MossRose_45 (DR), NHagos_43 (DR), PhorbesPhlower_24 (DH), TraderJ_45 (DR), Wooper_45 (DR), Yeshua_45 (DR),

Start 104:

- Found in 26 of 609 (4.3%) of genes in pham
- Manual Annotations of this start: 21 of 543
- Called 88.5% of time when present
- Phage (with cluster) where this start called: Bradissa_27 (CY1), Chipko_27 (DB), DirtyBoi_28 (DB), Dmitri_27 (DB), EMSquaredA_27 (CY1), EnalisNailo_27 (CY1), Eyre_23 (singleton), Fairfaxidum_25 (CV), Faith5x5_23 (CZ6), Floral_27 (CY1), GAL1_26 (singleton), Gudmit_24 (singleton), Hedwig_28 (DB), JCole_22 (CZ2), Marteena_27 (CY1), Matteo_23 (CZ2), PCoral7_26 (CV), Pepperoni_24 (CZ), Pollux_27 (CY1), PrincePatrick_25 (CV), RayTheFireFly_27 (DB), Toast_26 (CV), William_26 (CV),

Start 105:

- Found in 11 of 609 (1.8%) of genes in pham
- Manual Annotations of this start: 9 of 543
- Called 90.9% of time when present
- Phage (with cluster) where this start called: AnClar_43 (DR), BiggityBass_42 (DR), Coriander_27 (DB), Doggs_26 (DB), Kiko_27 (DB), LittleMunchkin_44 (DR), PatriciaStar_25 (DB), Sisko_42 (DR), Sour_47 (DR), Yago84_42 (DR),

Start 106:

- Found in 8 of 609 (1.3%) of genes in pham
- Manual Annotations of this start: 5 of 543

- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyMoney_47 (DT), Dogfish_46 (DT), Ewald_46 (DT), Manilisa_49 (DT), Meyran_46 (DT), Nyceirae_51 (DT), Phishy_50 (DT), Vordorf_47 (DT),

Start 107:

- Found in 39 of 609 (6.4%) of genes in pham
- Manual Annotations of this start: 33 of 543
- Called 97.4% of time when present
- Phage (with cluster) where this start called: Attis_24 (CZ2), Axumite_42 (DR), Bjaness7_24 (CZ2), BobRoss2024_41 (DR), CharlottesWeb_42 (DR), Clap_24 (CZ2), Coco2012_42 (DR), Cynthia_24 (CZ2), Ebert_24 (CZ2), EdnaMode_23 (CZ2), Fresco_42 (DR), FroggyToad_24 (CZ2), GemG_24 (CZ2), Gizermo_24 (CZ2), Haley23_24 (CZ2), JellyBelly_42 (DR), Lamberg_23 (CZ2), Ligma_42 (DR), LordFarquaad_24 (CZ2), Lton_23 (CZ), Lucky10_24 (DH), Mariokart_42 (DR), Mocha12_24 (CZ2), Moosehead_23 (CZ6), Nettuno_23 (CZ2), OneDirection_22 (CZ6), Pickett_23 (CZ2), Sahara_23 (CZ2), Savage_24 (CZ2), Shatter_42 (DR), SoilAssassin_24 (CZ2), Sproutie_24 (CZ2), TinyDot_25 (singleton), TuerX_24 (CZ2), Vasanti_23 (CZ2), Whiteclaw_24 (CZ2), Yeet412_24 (CZ2), Yinzer_24 (CZ2),

Start 109:

- Found in 16 of 609 (2.6%) of genes in pham
- Manual Annotations of this start: 13 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BBQValindra_26 (DB), BackstagePass_26 (DB), Bowser_26 (DB), Bunker_26 (DB), Evaa_42 (DR), Eyes_26 (DB), GEazy_26 (DB), HannahD_26 (DB), Jecs_27 (DB), MagicMan_26 (DB), NaLuna_26 (DB), Opie_26 (DB), RavenCo17_24 (CZ8), Schnabeltier_26 (DB), TaronosaurusRx_26 (DB), ZAYM_27 (DB),

Start 110:

- Found in 161 of 609 (26.4%) of genes in pham
- Manual Annotations of this start: 1 of 543
- Called 2.5% of time when present
- Phage (with cluster) where this start called: DoubleChamp_30 (K5), Kratio_29 (K5), Neighly_31 (K3), Pisa1_30 (K1),

Start 112:

- Found in 94 of 609 (15.4%) of genes in pham
- No Manual Annotations of this start.
- Called 2.1% of time when present
- Phage (with cluster) where this start called: BillyBobJr_55 (CS2), CinnamonToast_55 (CS2),

Start 119:

- Found in 2 of 609 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_11 (CG), Francesca_10 (CG),

Start 122:

- Found in 6 of 609 (1.0%) of genes in pham
- Manual Annotations of this start: 4 of 543

- Called 66.7% of time when present
- Phage (with cluster) where this start called: Grayson_31 (CB), Nova53_11 (CG), Peregrin_29 (CB), Weasels2_31 (CB),

Start 123:

- Found in 295 of 609 (48.4%) of genes in pham
- Manual Annotations of this start: 5 of 543
- Called 2.0% of time when present
- Phage (with cluster) where this start called: Denise_22 (CZ5), Florence1_8 (A5), Jablanski_28 (CY3), Posh_28 (CY4), Pytheas_28 (CY3), Wrigley_28 (CY4),

Start 124:

- Found in 8 of 609 (1.3%) of genes in pham
- Manual Annotations of this start: 8 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_20 (CR6), Braxoaddie_20 (CR6), CoffeeBean_20 (CR6), Gagieri_19 (CR6), MacGully_23 (CR7), Malisha_30 (DN), Maselop_20 (CR6), Polyuyuki_20 (CR6),

Start 126:

- Found in 1 of 609 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PhaoMing_23 (UNK),

Start 135:

- Found in 25 of 609 (4.1%) of genes in pham
- No Manual Annotations of this start.
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Jalleen_24 (CZ2),

Start 137:

- Found in 67 of 609 (11.0%) of genes in pham
- Manual Annotations of this start: 2 of 543
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Kelzog_51 (CS2), Monty_48 (CS2), Squibbles_49 (CS2),

Start 141:

- Found in 322 of 609 (52.9%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: DocB7_038 (singleton), E3_gp167 (singleton),

Start 156:

- Found in 35 of 609 (5.7%) of genes in pham
- No Manual Annotations of this start.
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Moonflower_27 (DB),

Summary by clusters:

There are 37 clusters represented in this pham: DN, singleton, DM, DH, CZ2, DB, CZ6, CZ5, K3, K1, K6, K5, K4, DT, K8, DR, DQ, CW2, CZ8, A5, CS4, CS1, CS2, CY3, CY2, CY1, E, AG, CY4, CB, CG, CZ, UNK, CV, CR6, CR7, AC,

Info for manual annotations of cluster A5:

- Start number 88 was manually annotated 23 times for cluster A5.

Info for manual annotations of cluster AC:

- Start number 76 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster AG:

- Start number 99 was manually annotated 1 time for cluster AG.
- Start number 101 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster CB:

- Start number 122 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CG:

- Start number 119 was manually annotated 2 times for cluster CG.
- Start number 122 was manually annotated 1 time for cluster CG.

Info for manual annotations of cluster CR6:

- Start number 124 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 124 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CS1:

- Start number 98 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CS2:

- Start number 98 was manually annotated 36 times for cluster CS2.
- Start number 137 was manually annotated 2 times for cluster CS2.

Info for manual annotations of cluster CS4:

- Start number 98 was manually annotated 12 times for cluster CS4.

Info for manual annotations of cluster CV:

- Start number 104 was manually annotated 5 times for cluster CV.

Info for manual annotations of cluster CW2:

- Start number 85 was manually annotated 2 times for cluster CW2.

Info for manual annotations of cluster CY1:

- Start number 92 was manually annotated 1 time for cluster CY1.
- Start number 104 was manually annotated 6 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 91 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 123 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 123 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CZ:

- Start number 104 was manually annotated 1 time for cluster CZ.
- Start number 107 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:

- Start number 104 was manually annotated 2 times for cluster CZ2.
- Start number 107 was manually annotated 22 times for cluster CZ2.

Info for manual annotations of cluster CZ5:

- Start number 123 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 104 was manually annotated 1 time for cluster CZ6.
- Start number 107 was manually annotated 2 times for cluster CZ6.

Info for manual annotations of cluster CZ8:

- Start number 109 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DB:

- Start number 104 was manually annotated 4 times for cluster DB.
- Start number 105 was manually annotated 3 times for cluster DB.
- Start number 109 was manually annotated 11 times for cluster DB.

Info for manual annotations of cluster DH:

- Start number 103 was manually annotated 2 times for cluster DH.
- Start number 107 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DM:

- Start number 85 was manually annotated 2 times for cluster DM.

Info for manual annotations of cluster DN:

- Start number 124 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DQ:

- Start number 94 was manually annotated 1 time for cluster DQ.
- Start number 102 was manually annotated 14 times for cluster DQ.

Info for manual annotations of cluster DR:

- Start number 103 was manually annotated 9 times for cluster DR.
- Start number 105 was manually annotated 6 times for cluster DR.
- Start number 107 was manually annotated 6 times for cluster DR.
- Start number 109 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster DT:

- Start number 106 was manually annotated 5 times for cluster DT.

Info for manual annotations of cluster E:

- Start number 81 was manually annotated 134 times for cluster E.

Info for manual annotations of cluster K1:

- Start number 97 was manually annotated 9 times for cluster K1.
- Start number 99 was manually annotated 104 times for cluster K1.

Info for manual annotations of cluster K3:

- Start number 99 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 87 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 97 was manually annotated 11 times for cluster K5.
- Start number 99 was manually annotated 13 times for cluster K5.
- Start number 110 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:

- Start number 99 was manually annotated 25 times for cluster K6.
- Start number 101 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K8:

- Start number 87 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: 244_37 Start: 32138, Stop: 32995, Start Num: 81

Candidate Starts for 244_37:

(Start: 81 @32138 has 134 MA's), (100, 32177), (115, 32207), (Start: 123 @32228 has 5 MA's), (141, 32264), (152, 32294), (180, 32369), (202, 32417), (203, 32420), (208, 32444), (209, 32447), (214, 32462), (282, 32633), (327, 32747), (338, 32762), (340, 32768), (358, 32810), (359, 32813), (381, 32867), (409, 32945), (420, 32978),

Gene: ABCat_34 Start: 31850, Stop: 32707, Start Num: 81

Candidate Starts for ABCat_34:

(Start: 81 @31850 has 134 MA's), (100, 31889), (115, 31919), (Start: 123 @31940 has 5 MA's), (141, 31976), (152, 32006), (180, 32081), (202, 32129), (203, 32132), (208, 32156), (209, 32159), (214, 32174), (282, 32345), (327, 32459), (338, 32474), (340, 32480), (358, 32522), (359, 32525), (381, 32579), (409, 32657), (420, 32690),

Gene: ASerpRocky_44 Start: 46453, Stop: 45620, Start Num: 98

Candidate Starts for ASerpRocky_44:

(Start: 98 @46453 has 51 MA's), (112, 46426), (140, 46360), (176, 46267), (290, 45925), (313, 45868), (367, 45745), (382, 45706), (397, 45682), (399, 45676),

Gene: ActinUp_31 Start: 26463, Stop: 27335, Start Num: 99

Candidate Starts for ActinUp_31:

(83, 26436), (Start: 99 @26463 has 152 MA's), (Start: 110 @26475 has 1 MA's), (141, 26544), (152, 26571), (165, 26601), (167, 26610), (180, 26646), (184, 26655), (194, 26688), (202, 26706), (209, 26736), (237, 26793), (238, 26796), (284, 26931), (295, 26958), (304, 26979), (316, 27003), (335, 27054), (362, 27156), (375, 27192), (385, 27216), (419, 27315), (421, 27324),

Gene: Adephagia_31 Start: 26460, Stop: 27332, Start Num: 99

Candidate Starts for Adephagia_31:

(83, 26433), (Start: 99 @26460 has 152 MA's), (Start: 110 @26472 has 1 MA's), (141, 26541), (152, 26568), (165, 26598), (167, 26607), (180, 26643), (184, 26652), (194, 26685), (202, 26703), (209, 26733), (237, 26790), (238, 26793), (284, 26928), (295, 26955), (304, 26976), (316, 27000), (335, 27051), (362, 27153), (375, 27189), (385, 27213), (419, 27312), (421, 27321),

Gene: Adgers_51 Start: 46251, Stop: 45394, Start Num: 98

Candidate Starts for Adgers_51:

(Start: 98 @46251 has 51 MA's), (112, 46227), (Start: 137 @46173 has 2 MA's), (164, 46098), (186, 46038), (190, 46020), (203, 45981), (212, 45945), (214, 45939), (271, 45768), (297, 45693), (309, 45663), (345, 45576), (374, 45501), (392, 45474), (414, 45414),

Gene: Adnama_38 Start: 32365, Stop: 33222, Start Num: 81

Candidate Starts for Adnama_38:

(Start: 81 @32365 has 134 MA's), (100, 32404), (115, 32434), (Start: 123 @32455 has 5 MA's), (141, 32491), (152, 32521), (180, 32596), (202, 32644), (203, 32647), (208, 32671), (209, 32674), (214, 32689), (282, 32860), (327, 32974), (338, 32989), (340, 32995), (358, 33037), (359, 33040), (381, 33094), (409, 33172), (420, 33205),

Gene: Adonis_31 Start: 26466, Stop: 27338, Start Num: 99

Candidate Starts for Adonis_31:

(83, 26439), (Start: 99 @26466 has 152 MA's), (Start: 110 @26478 has 1 MA's), (141, 26547), (152, 26574), (165, 26604), (167, 26613), (180, 26649), (184, 26658), (194, 26691), (202, 26709), (209, 26739), (238, 26799), (284, 26934), (295, 26961), (304, 26982), (316, 27006), (335, 27057), (362, 27159), (375, 27195), (385, 27219), (419, 27318), (421, 27327),

Gene: Agent47_30 Start: 27227, Stop: 27988, Start Num: 97

Candidate Starts for Agent47_30:

(77, 27179), (Start: 97 @27227 has 20 MA's), (Start: 110 @27239 has 1 MA's), (111, 27242), (112, 27245), (Start: 123 @27272 has 5 MA's), (141, 27308), (166, 27368), (167, 27374), (178, 27404), (180, 27410), (184, 27419), (194, 27452), (207, 27494), (208, 27497), (212, 27509), (229, 27545), (238, 27560), (248, 27596), (284, 27695), (295, 27722), (304, 27743), (362, 27806), (370, 27830), (381, 27854), (407, 27923), (419, 27968), (421, 27977),

Gene: Ageofdapage_31 Start: 26403, Stop: 27275, Start Num: 99

Candidate Starts for Ageofdapage_31:

(83, 26376), (Start: 99 @26403 has 152 MA's), (Start: 110 @26415 has 1 MA's), (141, 26484), (152, 26511), (165, 26541), (167, 26550), (180, 26586), (184, 26595), (194, 26628), (202, 26646), (238, 26736), (284, 26871), (295, 26898), (304, 26919), (316, 26943), (335, 26994), (362, 27096), (375, 27132), (385, 27156), (419, 27255), (421, 27264),

Gene: Airmid_8 Start: 5180, Stop: 5989, Start Num: 88

Candidate Starts for Airmid_8:

(Start: 88 @5180 has 23 MA's), (112, 5225), (152, 5309), (158, 5324), (169, 5357), (277, 5627), (291, 5669), (310, 5708), (316, 5726), (329, 5756), (416, 5954),

Gene: AksarBAT_43 Start: 36158, Stop: 36880, Start Num: 103

Candidate Starts for AksarBAT_43:

(Start: 103 @36158 has 11 MA's), (139, 36227), (148, 36251), (171, 36314), (173, 36320), (237, 36467), (273, 36563), (274, 36566), (303, 36644), (317, 36674), (322, 36689),

Gene: AlishaPH_31 Start: 26453, Stop: 27325, Start Num: 99

Candidate Starts for AlishaPH_31:

(29, 26123), (64, 26351), (83, 26426), (Start: 99 @26453 has 152 MA's), (Start: 110 @26465 has 1 MA's), (141, 26534), (152, 26561), (165, 26591), (167, 26600), (180, 26636), (184, 26645), (194, 26678), (202, 26696), (209, 26726), (238, 26786), (284, 26921), (295, 26948), (304, 26969), (316, 26993), (335, 27044), (362, 27146), (375, 27182), (385, 27206), (419, 27305), (421, 27314),

Gene: AlleyCat_31 Start: 27158, Stop: 27919, Start Num: 97

Candidate Starts for AlleyCat_31:

(77, 27110), (Start: 97 @27158 has 20 MA's), (Start: 110 @27170 has 1 MA's), (112, 27176), (Start: 123 @27203 has 5 MA's), (141, 27239), (166, 27299), (167, 27305), (178, 27335), (180, 27341), (184, 27350), (194, 27383), (207, 27425), (208, 27428), (212, 27440), (229, 27476), (238, 27491), (248, 27527), (284, 27626), (295, 27653), (304, 27674), (362, 27737), (370, 27761), (381, 27785), (407, 27854), (419, 27899), (421, 27908),

Gene: Alok_i_31 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for Alok_i_31:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Amao_35 Start: 31062, Stop: 31919, Start Num: 81

Candidate Starts for Amao_35:

(Start: 81 @31062 has 134 MA's), (100, 31101), (115, 31131), (Start: 123 @31152 has 5 MA's), (141, 31188), (152, 31218), (180, 31293), (202, 31341), (203, 31344), (208, 31368), (209, 31371), (214, 31386), (282, 31557), (327, 31671), (338, 31686), (340, 31692), (358, 31734), (359, 31737), (381, 31791), (409, 31869), (420, 31902),

Gene: Amelie_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Amelie_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: AmericanBeauty_37 Start: 31845, Stop: 32702, Start Num: 81

Candidate Starts for AmericanBeauty_37:

(Start: 81 @31845 has 134 MA's), (100, 31884), (115, 31914), (Start: 123 @31935 has 5 MA's), (141, 31971), (152, 32001), (180, 32076), (202, 32124), (203, 32127), (208, 32151), (209, 32154), (214, 32169), (282, 32340), (327, 32454), (338, 32469), (340, 32475), (358, 32517), (359, 32520), (381, 32574), (409, 32652), (420, 32685),

Gene: Amgine_29 Start: 26539, Stop: 27276, Start Num: 99

Candidate Starts for Amgine_29:

(64, 26428), (67, 26449), (77, 26488), (83, 26509), (Start: 99 @26539 has 152 MA's), (Start: 110 @26551 has 1 MA's), (Start: 123 @26584 has 5 MA's), (141, 26620), (165, 26668), (167, 26677), (180, 26713), (184, 26722), (194, 26755), (238, 26863), (247, 26890), (281, 26977), (284, 26995), (289, 27010), (295, 27022), (304, 27043), (316, 27067), (352, 27079), (358, 27088), (362, 27097), (381, 27145), (419, 27256), (421, 27265),

Gene: Amohnition_30 Start: 26969, Stop: 27709, Start Num: 99

Candidate Starts for Amohnition_30:

(25, 26624), (64, 26870), (67, 26891), (77, 26924), (83, 26945), (Start: 99 @26969 has 152 MA's), (Start: 110 @26981 has 1 MA's), (120, 27008), (Start: 123 @27014 has 5 MA's), (165, 27098), (167,

27107), (172, 27119), (184, 27152), (238, 27293), (247, 27320), (284, 27428), (295, 27455), (304, 27476), (316, 27500), (352, 27512), (358, 27521), (381, 27578), (385, 27590), (419, 27689),

Gene: Amoonguss_30 Start: 21571, Stop: 22269, Start Num: 102

Candidate Starts for Amoonguss_30:

(Start: 94 @21553 has 1 MA's), (Start: 102 @21571 has 14 MA's), (138, 21634), (152, 21670), (177, 21730), (182, 21742), (189, 21763), (201, 21796), (208, 21826), (209, 21829), (215, 21850), (217, 21856), (221, 21862), (235, 21883), (271, 21988), (274, 21997), (299, 22066), (301, 22072), (316, 22108), (321, 22120), (337, 22159), (346, 22180), (372, 22249), (376, 22261), (379, 22264),

Gene: Amore2_52 Start: 46682, Stop: 45783, Start Num: 98

Candidate Starts for Amore2_52:

(50, 46889), (59, 46823), (Start: 98 @46682 has 51 MA's), (112, 46655), (162, 46541), (164, 46535), (200, 46418), (202, 46412), (213, 46370), (237, 46310), (271, 46190), (292, 46127), (313, 46073), (321, 46052), (371, 45941),

Gene: AnClar_43 Start: 38069, Stop: 38794, Start Num: 105

Candidate Starts for AnClar_43:

(55, 37871), (63, 37943), (Start: 105 @38069 has 9 MA's), (111, 38078), (171, 38228), (173, 38234), (183, 38258), (187, 38267), (191, 38279), (197, 38294), (208, 38336), (215, 38360), (238, 38390), (268, 38474), (290, 38537), (300, 38561), (303, 38567), (382, 38750), (384, 38759),

Gene: AnarQue_45 Start: 37567, Stop: 38289, Start Num: 103

Candidate Starts for AnarQue_45:

(56, 37381), (Start: 103 @37567 has 11 MA's), (148, 37660), (173, 37729), (185, 37756), (187, 37762), (237, 37876), (264, 37960), (303, 38053), (317, 38083),

Gene: Anaya_32 Start: 26479, Stop: 27351, Start Num: 99

Candidate Starts for Anaya_32:

(83, 26452), (Start: 99 @26479 has 152 MA's), (Start: 110 @26491 has 1 MA's), (141, 26560), (152, 26587), (165, 26617), (167, 26626), (180, 26662), (184, 26671), (194, 26704), (202, 26722), (238, 26812), (284, 26947), (295, 26974), (304, 26995), (316, 27019), (335, 27070), (362, 27172), (375, 27208), (385, 27232), (419, 27331), (421, 27340),

Gene: Angelica_31 Start: 26428, Stop: 27282, Start Num: 99

Candidate Starts for Angelica_31:

(29, 26098), (64, 26326), (83, 26401), (Start: 99 @26428 has 152 MA's), (Start: 110 @26440 has 1 MA's), (141, 26509), (152, 26536), (165, 26566), (167, 26575), (180, 26611), (184, 26620), (194, 26653), (202, 26671), (209, 26701), (238, 26761), (284, 26896), (295, 26923), (304, 26944), (316, 26968), (335, 27001), (362, 27103), (375, 27139), (385, 27163), (419, 27262), (421, 27271),

Gene: Anma_31 Start: 26382, Stop: 27254, Start Num: 99

Candidate Starts for Anma_31:

(64, 26280), (83, 26355), (Start: 99 @26382 has 152 MA's), (Start: 110 @26394 has 1 MA's), (141, 26463), (152, 26490), (165, 26520), (167, 26529), (180, 26565), (184, 26574), (194, 26607), (202, 26625), (238, 26715), (284, 26850), (295, 26877), (304, 26898), (316, 26922), (335, 26973), (362, 27075), (375, 27111), (385, 27135), (419, 27234), (421, 27243),

Gene: Apiary_20 Start: 9988, Stop: 10884, Start Num: 124

Candidate Starts for Apiary_20:

(53, 9751), (Start: 124 @9988 has 8 MA's), (159, 10066), (190, 10153), (205, 10201), (209, 10216), (247, 10294), (258, 10339), (306, 10471), (343, 10564), (349, 10579), (388, 10678), (415, 10759), (423, 10807), (425, 10852),

Gene: Apocalypse_31 Start: 26431, Stop: 27303, Start Num: 99

Candidate Starts for Apocalypse_31:

(83, 26404), (Start: 99 @26431 has 152 MA's), (Start: 110 @26443 has 1 MA's), (141, 26512), (152, 26539), (165, 26569), (167, 26578), (180, 26614), (184, 26623), (194, 26656), (202, 26674), (238, 26764), (284, 26899), (295, 26926), (304, 26947), (316, 26971), (335, 27022), (362, 27124), (375, 27160), (385, 27184), (419, 27283), (421, 27292),

Gene: Applecrisp_29 Start: 26961, Stop: 27698, Start Num: 99

Candidate Starts for Applecrisp_29:

(64, 26850), (67, 26871), (77, 26910), (83, 26931), (Start: 99 @26961 has 152 MA's), (Start: 110 @26973 has 1 MA's), (Start: 123 @27006 has 5 MA's), (141, 27042), (165, 27090), (167, 27099), (172, 27111), (180, 27135), (194, 27177), (238, 27285), (247, 27312), (281, 27399), (284, 27417), (289, 27432), (295, 27444), (304, 27465), (316, 27489), (352, 27501), (358, 27510), (362, 27519), (381, 27567), (419, 27678), (421, 27687),

Gene: Argena_30 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for Argena_30:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Argent26_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for Argent26_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: Asayake_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Asayake_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Asriel_34 Start: 30719, Stop: 31576, Start Num: 81

Candidate Starts for Asriel_34:

(Start: 81 @30719 has 134 MA's), (100, 30758), (115, 30788), (Start: 123 @30809 has 5 MA's), (141, 30845), (152, 30875), (180, 30950), (202, 30998), (203, 31001), (208, 31025), (209, 31028), (214, 31043), (282, 31214), (327, 31328), (338, 31343), (340, 31349), (358, 31391), (359, 31394), (381, 31448), (409, 31526), (420, 31559),

Gene: Atiba_31 Start: 26423, Stop: 27295, Start Num: 99

Candidate Starts for Atiba_31:

(83, 26396), (Start: 99 @26423 has 152 MA's), (Start: 110 @26435 has 1 MA's), (141, 26504), (152, 26531), (165, 26561), (167, 26570), (180, 26606), (184, 26615), (194, 26648), (202, 26666), (209, 26696), (237, 26753), (238, 26756), (284, 26891), (295, 26918), (304, 26939), (316, 26963), (335, 27014), (362, 27116), (375, 27152), (385, 27176), (419, 27275), (421, 27284),

Gene: Attis_24 Start: 19791, Stop: 20498, Start Num: 107

Candidate Starts for Attis_24:

(60, 19647), (Start: 107 @19791 has 33 MA's), (135, 19848), (149, 19887), (171, 19947), (178, 19965), (179, 19968), (187, 19986), (201, 20022), (202, 20025), (210, 20058), (215, 20076), (237, 20103), (262, 20181), (290, 20250), (303, 20280), (306, 20286), (394, 20490),

Gene: Austin_52 Start: 46682, Stop: 45783, Start Num: 98

Candidate Starts for Austin_52:

(50, 46889), (59, 46823), (Start: 98 @46682 has 51 MA's), (112, 46655), (162, 46541), (164, 46535), (200, 46418), (202, 46412), (213, 46370), (237, 46310), (271, 46190), (292, 46127), (313, 46073), (321, 46052), (371, 45941),

Gene: Axumite_42 Start: 35273, Stop: 35995, Start Num: 107

Candidate Starts for Axumite_42:

(18, 34883), (48, 35060), (63, 35168), (Start: 107 @35273 has 33 MA's), (173, 35435), (191, 35480), (210, 35543), (215, 35561), (237, 35588), (262, 35666), (263, 35669), (290, 35738), (303, 35768), (306, 35774), (386, 35963),

Gene: BBQValindra_26 Start: 21429, Stop: 22148, Start Num: 109

Candidate Starts for BBQValindra_26:

(80, 21372), (Start: 109 @21429 has 13 MA's), (149, 21522), (156, 21537), (171, 21582), (191, 21633), (202, 21660), (207, 21684), (237, 21738), (240, 21747), (243, 21756), (303, 21918), (306, 21924),

Gene: BEEST_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for BEEST_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: BGlluviae_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for BGlluviae_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: BaboJay_34 Start: 31408, Stop: 32265, Start Num: 81

Candidate Starts for BaboJay_34:

(Start: 81 @31408 has 134 MA's), (100, 31447), (115, 31477), (Start: 123 @31498 has 5 MA's), (141, 31534), (152, 31564), (180, 31639), (202, 31687), (203, 31690), (208, 31714), (209, 31717), (214, 31732), (282, 31903), (327, 32017), (338, 32032), (340, 32038), (358, 32080), (359, 32083), (381, 32137), (409, 32215), (420, 32248),

Gene: BabyMoney_47 Start: 35952, Stop: 36758, Start Num: 106

Candidate Starts for BabyMoney_47:

(Start: 106 @35952 has 5 MA's), (136, 36015), (178, 36126), (280, 36393), (311, 36471), (312, 36474), (324, 36504), (326, 36510), (353, 36561), (405, 36687), (418, 36735),

Gene: BackstagePass_26 Start: 21561, Stop: 22274, Start Num: 109

Candidate Starts for BackstagePass_26:

(80, 21504), (Start: 109 @21561 has 13 MA's), (149, 21654), (156, 21669), (171, 21714), (201, 21789), (202, 21792), (207, 21816), (240, 21879), (243, 21888), (271, 21963), (298, 22038), (303, 22050), (306, 22056),

Gene: BadStone_34 Start: 31850, Stop: 32707, Start Num: 81

Candidate Starts for BadStone_34:

(Start: 81 @31850 has 134 MA's), (100, 31889), (115, 31919), (Start: 123 @31940 has 5 MA's), (141, 31976), (152, 32006), (180, 32081), (202, 32129), (203, 32132), (208, 32156), (209, 32159), (214, 32174), (282, 32345), (327, 32459), (338, 32474), (340, 32480), (358, 32522), (359, 32525), (381, 32579), (409, 32657), (420, 32690),

Gene: BaghaKamala_31 Start: 26423, Stop: 27295, Start Num: 99

Candidate Starts for BaghaKamala_31:

(29, 26093), (64, 26321), (83, 26396), (Start: 99 @26423 has 152 MA's), (Start: 110 @26435 has 1 MA's), (141, 26504), (152, 26531), (165, 26561), (167, 26570), (180, 26606), (184, 26615), (194, 26648), (202, 26666), (209, 26696), (238, 26756), (284, 26891), (295, 26918), (304, 26939), (316, 26963), (335, 27014), (362, 27116), (375, 27152), (385, 27176), (419, 27275), (421, 27284),

Gene: Balomoji_34 Start: 31584, Stop: 32441, Start Num: 81

Candidate Starts for Balomoji_34:

(Start: 81 @31584 has 134 MA's), (100, 31623), (115, 31653), (Start: 123 @31674 has 5 MA's), (141, 31710), (152, 31740), (180, 31815), (202, 31863), (203, 31866), (208, 31890), (209, 31893), (214, 31908), (282, 32079), (327, 32193), (338, 32208), (340, 32214), (358, 32256), (359, 32259), (381, 32313), (409, 32391), (420, 32424),

Gene: BananenDer11_30 Start: 27188, Stop: 27949, Start Num: 97

Candidate Starts for BananenDer11_30:

(77, 27140), (Start: 97 @27188 has 20 MA's), (Start: 110 @27200 has 1 MA's), (111, 27203), (112, 27206), (Start: 123 @27233 has 5 MA's), (141, 27269), (166, 27329), (167, 27335), (178, 27365), (180, 27371), (184, 27380), (194, 27413), (207, 27455), (208, 27458), (212, 27470), (229, 27506), (238, 27521), (248, 27557), (284, 27656), (295, 27683), (304, 27704), (362, 27767), (370, 27791), (381, 27815), (407, 27884), (419, 27929), (421, 27938),

Gene: Barbarian_34 Start: 30719, Stop: 31576, Start Num: 81

Candidate Starts for Barbarian_34:

(Start: 81 @30719 has 134 MA's), (100, 30758), (115, 30788), (Start: 123 @30809 has 5 MA's), (141, 30845), (152, 30875), (180, 30950), (202, 30998), (203, 31001), (208, 31025), (209, 31028), (214, 31043), (282, 31214), (327, 31328), (338, 31343), (340, 31349), (358, 31391), (359, 31394), (381, 31448), (409, 31526), (420, 31559),

Gene: Barbochs_48 Start: 45995, Stop: 45138, Start Num: 98

Candidate Starts for Barbochs_48:

(Start: 98 @45995 has 51 MA's), (112, 45971), (127, 45932), (Start: 137 @45917 has 2 MA's), (149, 45881), (164, 45842), (186, 45782), (190, 45764), (203, 45725), (212, 45689), (214, 45683), (271, 45512), (297, 45437), (309, 45407), (345, 45320), (374, 45245), (392, 45218), (414, 45158),

Gene: BarrelRoll_31 Start: 26446, Stop: 27318, Start Num: 99

Candidate Starts for BarrelRoll_31:

(83, 26419), (Start: 99 @26446 has 152 MA's), (Start: 110 @26458 has 1 MA's), (141, 26527), (152, 26554), (165, 26584), (167, 26593), (180, 26629), (184, 26638), (194, 26671), (202, 26689), (209, 26719), (237, 26776), (238, 26779), (284, 26914), (295, 26941), (304, 26962), (316, 26986), (335, 27037), (362, 27139), (375, 27175), (385, 27199), (419, 27298), (421, 27307),

Gene: Bask21_35 Start: 31036, Stop: 31893, Start Num: 81

Candidate Starts for Bask21_35:

(Start: 81 @31036 has 134 MA's), (100, 31075), (115, 31105), (Start: 123 @31126 has 5 MA's), (141, 31162), (152, 31192), (180, 31267), (202, 31315), (203, 31318), (208, 31342), (209, 31345), (214,

31360), (282, 31531), (327, 31645), (338, 31660), (340, 31666), (358, 31708), (359, 31711), (381, 31765), (409, 31843), (420, 31876),

Gene: Beaver_53 Start: 47765, Stop: 46908, Start Num: 98

Candidate Starts for Beaver_53:

(Start: 98 @47765 has 51 MA's), (112, 47741), (127, 47702), (Start: 137 @47687 has 2 MA's), (149, 47651), (164, 47612), (186, 47552), (190, 47534), (203, 47495), (212, 47459), (214, 47453), (271, 47282), (297, 47207), (309, 47177), (345, 47090), (374, 47015), (392, 46988), (414, 46928),

Gene: Becksu_35 Start: 32041, Stop: 32898, Start Num: 81

Candidate Starts for Becksu_35:

(Start: 81 @32041 has 134 MA's), (100, 32080), (115, 32110), (Start: 123 @32131 has 5 MA's), (141, 32167), (152, 32197), (180, 32272), (202, 32320), (203, 32323), (208, 32347), (209, 32350), (214, 32365), (282, 32536), (321, 32635), (327, 32650), (338, 32665), (340, 32671), (358, 32713), (359, 32716), (381, 32770), (409, 32848), (420, 32881),

Gene: Beezoo_31 Start: 26471, Stop: 27343, Start Num: 99

Candidate Starts for Beezoo_31:

(83, 26444), (Start: 99 @26471 has 152 MA's), (Start: 110 @26483 has 1 MA's), (141, 26552), (152, 26579), (165, 26609), (167, 26618), (180, 26654), (184, 26663), (194, 26696), (202, 26714), (209, 26744), (238, 26804), (284, 26939), (295, 26966), (304, 26987), (316, 27011), (335, 27062), (362, 27164), (375, 27200), (385, 27224), (404, 27272), (419, 27323), (421, 27332),

Gene: Bella96_31 Start: 26364, Stop: 27236, Start Num: 99

Candidate Starts for Bella96_31:

(83, 26337), (Start: 99 @26364 has 152 MA's), (Start: 110 @26376 has 1 MA's), (141, 26445), (152, 26472), (165, 26502), (167, 26511), (180, 26547), (184, 26556), (194, 26589), (238, 26697), (284, 26832), (295, 26859), (304, 26880), (316, 26904), (362, 27057), (375, 27093), (385, 27117), (419, 27216), (421, 27225),

Gene: Belladonna_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Belladonna_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Bench_37 Start: 31718, Stop: 32575, Start Num: 81

Candidate Starts for Bench_37:

(Start: 81 @31718 has 134 MA's), (100, 31757), (115, 31787), (Start: 123 @31808 has 5 MA's), (141, 31844), (152, 31874), (180, 31949), (202, 31997), (203, 32000), (208, 32024), (209, 32027), (214, 32042), (282, 32213), (327, 32327), (338, 32342), (340, 32348), (358, 32390), (359, 32393), (381, 32447), (409, 32525), (420, 32558),

Gene: Benczkowski14_44 Start: 46742, Stop: 45915, Start Num: 98

Candidate Starts for Benczkowski14_44:

(Start: 98 @46742 has 51 MA's), (112, 46715), (140, 46649), (176, 46556), (251, 46343), (290, 46214), (313, 46157), (367, 46034), (382, 45995), (397, 45971), (399, 45965),

Gene: Benedict_8 Start: 5182, Stop: 5991, Start Num: 88

Candidate Starts for Benedict_8:

(Start: 88 @5182 has 23 MA's), (112, 5227), (152, 5311), (158, 5326), (169, 5359), (277, 5629), (291, 5671), (310, 5710), (316, 5728), (329, 5758), (416, 5956),

Gene: BenoitCattle_51 Start: 46512, Stop: 45652, Start Num: 98

Candidate Starts for BenoitCattle_51:

(Start: 98 @46512 has 51 MA's), (112, 46488), (Start: 137 @46434 has 2 MA's), (149, 46398), (164, 46359), (186, 46299), (190, 46281), (203, 46242), (212, 46206), (214, 46200), (271, 46029), (297, 45954), (309, 45924), (345, 45837), (374, 45762), (392, 45735), (411, 45681), (414, 45675),

Gene: Bern_31 Start: 26403, Stop: 27275, Start Num: 99

Candidate Starts for Bern_31:

(83, 26376), (Start: 99 @26403 has 152 MA's), (Start: 110 @26415 has 1 MA's), (141, 26484), (152, 26511), (165, 26541), (167, 26550), (180, 26586), (184, 26595), (194, 26628), (202, 26646), (238, 26736), (284, 26871), (295, 26898), (304, 26919), (316, 26943), (335, 26994), (362, 27096), (375, 27132), (385, 27156), (419, 27255), (421, 27264),

Gene: Beted_31 Start: 23245, Stop: 23943, Start Num: 102

Candidate Starts for Beted_31:

(Start: 94 @23227 has 1 MA's), (Start: 102 @23245 has 14 MA's), (138, 23308), (152, 23344), (182, 23416), (189, 23437), (201, 23470), (208, 23500), (209, 23503), (215, 23524), (217, 23530), (221, 23536), (235, 23557), (271, 23662), (274, 23671), (299, 23740), (301, 23746), (316, 23782), (321, 23794), (337, 23833), (372, 23923), (376, 23935), (379, 23938),

Gene: BigBubba_36 Start: 31621, Stop: 32478, Start Num: 81

Candidate Starts for BigBubba_36:

(Start: 81 @31621 has 134 MA's), (100, 31660), (115, 31690), (Start: 123 @31711 has 5 MA's), (141, 31747), (152, 31777), (180, 31852), (202, 31900), (203, 31903), (208, 31927), (209, 31930), (214, 31945), (282, 32116), (327, 32230), (338, 32245), (340, 32251), (358, 32293), (359, 32296), (381, 32350), (409, 32428), (420, 32461),

Gene: BigShaq_50 Start: 46517, Stop: 45657, Start Num: 98

Candidate Starts for BigShaq_50:

(Start: 98 @46517 has 51 MA's), (112, 46493), (Start: 137 @46439 has 2 MA's), (149, 46403), (164, 46364), (186, 46304), (190, 46286), (203, 46247), (212, 46211), (214, 46205), (271, 46034), (297, 45959), (309, 45929), (345, 45842), (374, 45767), (392, 45740), (411, 45686), (414, 45680),

Gene: BiggityBass_42 Start: 37537, Stop: 38262, Start Num: 105

Candidate Starts for BiggityBass_42:

(Start: 105 @37537 has 9 MA's), (171, 37696), (173, 37702), (183, 37726), (191, 37747), (197, 37762), (208, 37804), (215, 37828), (238, 37858), (268, 37942), (290, 38005), (303, 38035), (384, 38227),

Gene: Biglebops_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Biglebops_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: BilboSwaggins_35 Start: 31858, Stop: 32715, Start Num: 81

Candidate Starts for BilboSwaggins_35:

(Start: 81 @31858 has 134 MA's), (100, 31897), (115, 31927), (Start: 123 @31948 has 5 MA's), (141, 31984), (152, 32014), (180, 32089), (202, 32137), (203, 32140), (208, 32164), (209, 32167), (214, 32182), (282, 32353), (321, 32452), (327, 32467), (338, 32482), (340, 32488), (358, 32530), (359, 32533), (381, 32587), (409, 32665), (420, 32698),

Gene: BillyBobJr_55 Start: 48051, Stop: 47221, Start Num: 112

Candidate Starts for BillyBobJr_55:

(40, 48342), (46, 48318), (Start: 98 @48075 has 51 MA's), (112, 48051), (Start: 137 @47997 has 2 MA's), (164, 47922), (186, 47862), (190, 47844), (198, 47820), (203, 47805), (212, 47769), (214, 47763), (271, 47595), (287, 47544), (288, 47538), (297, 47520), (345, 47403), (374, 47328), (392, 47301), (396, 47292), (414, 47241),

Gene: BirksAndSocks_54 Start: 48115, Stop: 47258, Start Num: 98

Candidate Starts for BirksAndSocks_54:

(Start: 98 @48115 has 51 MA's), (112, 48091), (127, 48052), (Start: 137 @48037 has 2 MA's), (149, 48001), (164, 47962), (186, 47902), (190, 47884), (203, 47845), (212, 47809), (214, 47803), (271, 47632), (297, 47557), (309, 47527), (345, 47440), (374, 47365), (392, 47338), (414, 47278),

Gene: Bjanesh7_24 Start: 19791, Stop: 20498, Start Num: 107

Candidate Starts for Bjanesh7_24:

(60, 19647), (Start: 107 @19791 has 33 MA's), (135, 19848), (149, 19887), (171, 19947), (178, 19965), (179, 19968), (187, 19986), (201, 20022), (202, 20025), (210, 20058), (215, 20076), (237, 20103), (262, 20181), (290, 20250), (303, 20280), (306, 20286), (394, 20490),

Gene: Blackpen_45 Start: 36985, Stop: 37707, Start Num: 103

Candidate Starts for Blackpen_45:

(56, 36799), (Start: 103 @36985 has 11 MA's), (148, 37078), (173, 37147), (185, 37174), (187, 37180), (216, 37270), (264, 37378), (273, 37390), (290, 37441), (303, 37471), (317, 37501), (322, 37516),

Gene: Blizzard_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Blizzard_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: BobRoss2024_41 Start: 35281, Stop: 36009, Start Num: 107

Candidate Starts for BobRoss2024_41:

(5, 34177), (7, 34186), (11, 34699), (14, 34804), (64, 35155), (Start: 107 @35281 has 33 MA's), (179, 35455), (215, 35560), (303, 35779), (306, 35785), (322, 35824), (398, 36004),

Gene: Bobquesha_33 Start: 27381, Stop: 28172, Start Num: 87

Candidate Starts for Bobquesha_33:

(60, 27276), (64, 27294), (70, 27321), (73, 27342), (Start: 87 @27381 has 23 MA's), (Start: 110 @27414 has 1 MA's), (Start: 123 @27447 has 5 MA's), (149, 27501), (165, 27540), (167, 27549), (180, 27585), (184, 27594), (252, 27777), (284, 27873), (295, 27900), (304, 27921), (313, 27936), (316, 27945), (359, 27969), (381, 28023), (385, 28035), (412, 28107), (417, 28128),

Gene: Bogg_35 Start: 30758, Stop: 31615, Start Num: 81

Candidate Starts for Bogg_35:

(Start: 81 @30758 has 134 MA's), (100, 30797), (115, 30827), (Start: 123 @30848 has 5 MA's), (141, 30884), (152, 30914), (180, 30989), (202, 31037), (203, 31040), (208, 31064), (209, 31067), (214, 31082), (282, 31253), (321, 31352), (327, 31367), (338, 31382), (340, 31388), (358, 31430), (359, 31433), (381, 31487), (409, 31565), (420, 31598),

Gene: Boiiii_31 Start: 26496, Stop: 27368, Start Num: 99

Candidate Starts for Boiiii_31:

(29, 26166), (64, 26394), (83, 26469), (Start: 99 @26496 has 152 MA's), (Start: 110 @26508 has 1 MA's), (141, 26577), (152, 26604), (165, 26634), (167, 26643), (180, 26679), (184, 26688), (194, 26721), (202, 26739), (209, 26769), (238, 26829), (284, 26964), (295, 26991), (304, 27012), (316, 27036), (335, 27087), (362, 27189), (375, 27225), (385, 27249), (419, 27348), (421, 27357),

Gene: Boilgate_28 Start: 28389, Stop: 29168, Start Num: 87

Candidate Starts for Boilgate_28:

(70, 28332), (Start: 87 @28389 has 23 MA's), (Start: 110 @28422 has 1 MA's), (Start: 123 @28455 has 5 MA's), (149, 28509), (152, 28518), (167, 28545), (180, 28581), (184, 28590), (211, 28662), (284, 28869), (295, 28896), (304, 28917), (318, 28944), (355, 28962), (381, 29019), (385, 29031), (396, 29055),

Gene: Bonamassa_8 Start: 5355, Stop: 6164, Start Num: 88

Candidate Starts for Bonamassa_8:

(Start: 88 @5355 has 23 MA's), (118, 5418), (Start: 123 @5427 has 5 MA's), (152, 5484), (169, 5532), (200, 5613), (277, 5802), (291, 5844), (316, 5901), (339, 5943), (422, 6150),

Gene: Boneham_53 Start: 48016, Stop: 47162, Start Num: 98

Candidate Starts for Boneham_53:

(40, 48283), (46, 48259), (Start: 98 @48016 has 51 MA's), (112, 47992), (Start: 137 @47938 has 2 MA's), (164, 47863), (186, 47803), (190, 47785), (198, 47761), (203, 47746), (212, 47710), (214, 47704), (271, 47536), (287, 47485), (288, 47479), (297, 47461), (345, 47344), (374, 47269), (392, 47242), (396, 47233), (414, 47182),

Gene: Bowser_26 Start: 21340, Stop: 22053, Start Num: 109

Candidate Starts for Bowser_26:

(80, 21283), (Start: 109 @21340 has 13 MA's), (139, 21406), (149, 21433), (156, 21448), (168, 21484), (171, 21493), (191, 21544), (202, 21571), (207, 21595), (240, 21658), (243, 21667), (261, 21724), (271, 21742), (298, 21817), (303, 21829), (306, 21835), (364, 21970),

Gene: Bradissa_27 Start: 22057, Stop: 22773, Start Num: 104

Candidate Starts for Bradissa_27:

(Start: 91 @22030 has 1 MA's), (Start: 92 @22033 has 1 MA's), (Start: 104 @22057 has 21 MA's), (115, 22075), (139, 22129), (171, 22213), (187, 22252), (201, 22288), (207, 22315), (237, 22369), (243, 22387), (274, 22480), (303, 22558), (306, 22564), (384, 22741), (393, 22759),

Gene: Braxoaddie_20 Start: 9976, Stop: 10872, Start Num: 124

Candidate Starts for Braxoaddie_20:

(53, 9739), (Start: 124 @9976 has 8 MA's), (159, 10054), (190, 10141), (205, 10189), (209, 10204), (247, 10282), (258, 10327), (306, 10459), (343, 10552), (349, 10567), (388, 10666), (415, 10747), (423, 10795), (425, 10840),

Gene: Breezic_49 Start: 46008, Stop: 45151, Start Num: 98

Candidate Starts for Breezic_49:

(Start: 98 @46008 has 51 MA's), (112, 45984), (127, 45945), (Start: 137 @45930 has 2 MA's), (149, 45894), (164, 45855), (176, 45816), (186, 45795), (190, 45777), (203, 45738), (212, 45702), (214, 45696), (271, 45525), (297, 45450), (309, 45420), (345, 45333), (374, 45258), (392, 45231), (414, 45171),

Gene: Brewer_35 Start: 32106, Stop: 32963, Start Num: 81

Candidate Starts for Brewer_35:

(Start: 81 @32106 has 134 MA's), (100, 32145), (115, 32175), (Start: 123 @32196 has 5 MA's), (141, 32232), (152, 32262), (180, 32337), (202, 32385), (203, 32388), (208, 32412), (209, 32415), (214,

32430), (282, 32601), (327, 32715), (338, 32730), (340, 32736), (358, 32778), (359, 32781), (381, 32835), (409, 32913), (420, 32946),

Gene: BritBrat_27 Start: 21883, Stop: 22626, Start Num: 91

Candidate Starts for BritBrat_27:

(Start: 91 @21883 has 1 MA's), (Start: 92 @21886 has 1 MA's), (Start: 104 @21910 has 21 MA's), (115, 21928), (139, 21982), (171, 22066), (187, 22105), (201, 22141), (207, 22168), (237, 22222), (243, 22240), (274, 22333), (303, 22411), (306, 22417), (384, 22594), (393, 22612),

Gene: Bruin_35 Start: 31878, Stop: 32735, Start Num: 81

Candidate Starts for Bruin_35:

(Start: 81 @31878 has 134 MA's), (100, 31917), (115, 31947), (Start: 123 @31968 has 5 MA's), (141, 32004), (152, 32034), (180, 32109), (202, 32157), (203, 32160), (208, 32184), (209, 32187), (214, 32202), (282, 32373), (327, 32487), (338, 32502), (340, 32508), (358, 32550), (359, 32553), (381, 32607), (409, 32685), (420, 32718),

Gene: Bryler_31 Start: 25864, Stop: 26607, Start Num: 99

Candidate Starts for Bryler_31:

(83, 25837), (Start: 99 @25864 has 152 MA's), (111, 25882), (120, 25906), (Start: 123 @25912 has 5 MA's), (141, 25948), (165, 25996), (167, 26005), (180, 26041), (194, 26083), (238, 26191), (284, 26326), (289, 26341), (295, 26353), (304, 26374), (313, 26389), (314, 26392), (316, 26398), (381, 26476), (410, 26557), (417, 26578), (419, 26587),

Gene: Buck_34 Start: 31814, Stop: 32671, Start Num: 81

Candidate Starts for Buck_34:

(Start: 81 @31814 has 134 MA's), (100, 31853), (115, 31883), (Start: 123 @31904 has 5 MA's), (141, 31940), (152, 31970), (180, 32045), (202, 32093), (203, 32096), (208, 32120), (209, 32123), (214, 32138), (282, 32309), (321, 32408), (327, 32423), (338, 32438), (340, 32444), (358, 32486), (359, 32489), (381, 32543), (409, 32621), (420, 32654),

Gene: Budgie_37 Start: 31405, Stop: 32262, Start Num: 81

Candidate Starts for Budgie_37:

(Start: 81 @31405 has 134 MA's), (100, 31444), (115, 31474), (Start: 123 @31495 has 5 MA's), (Start: 137 @31519 has 2 MA's), (141, 31531), (152, 31561), (175, 31624), (180, 31636), (203, 31687), (208, 31711), (214, 31729), (223, 31750), (281, 31894), (282, 31900), (327, 32014), (338, 32029), (340, 32035), (345, 32047), (358, 32077), (359, 32080), (381, 32134), (402, 32182), (409, 32212),

Gene: BugsBunny_33 Start: 31447, Stop: 32304, Start Num: 81

Candidate Starts for BugsBunny_33:

(Start: 81 @31447 has 134 MA's), (100, 31486), (115, 31516), (Start: 123 @31537 has 5 MA's), (141, 31573), (152, 31603), (180, 31678), (202, 31726), (203, 31729), (208, 31753), (209, 31756), (214, 31771), (282, 31942), (327, 32056), (338, 32071), (340, 32077), (358, 32119), (359, 32122), (381, 32176), (409, 32254), (420, 32287),

Gene: Bunker_26 Start: 21542, Stop: 22261, Start Num: 109

Candidate Starts for Bunker_26:

(55, 21332), (58, 21362), (80, 21485), (Start: 109 @21542 has 13 MA's), (149, 21635), (156, 21650), (171, 21695), (191, 21746), (202, 21773), (207, 21797), (240, 21860), (243, 21869), (303, 22031), (306, 22037),

Gene: Butterball_53 Start: 48021, Stop: 47167, Start Num: 98

Candidate Starts for Butterball_53:

(40, 48288), (46, 48264), (Start: 98 @48021 has 51 MA's), (112, 47997), (Start: 137 @47943 has 2 MA's), (164, 47868), (186, 47808), (190, 47790), (198, 47766), (203, 47751), (212, 47715), (214, 47709), (271, 47541), (287, 47490), (288, 47484), (297, 47466), (345, 47349), (374, 47274), (392, 47247), (396, 47238), (414, 47187),

Gene: CREW_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for CREW_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Cactus_36 Start: 31069, Stop: 31926, Start Num: 81

Candidate Starts for Cactus_36:

(Start: 81 @31069 has 134 MA's), (100, 31108), (115, 31138), (Start: 123 @31159 has 5 MA's), (141, 31195), (152, 31225), (180, 31300), (202, 31348), (203, 31351), (208, 31375), (209, 31378), (214, 31393), (282, 31564), (327, 31678), (338, 31693), (340, 31699), (358, 31741), (359, 31744), (381, 31798), (409, 31876), (420, 31909),

Gene: CaiB_45 Start: 37553, Stop: 38275, Start Num: 103

Candidate Starts for CaiB_45:

(56, 37367), (Start: 103 @37553 has 11 MA's), (148, 37646), (173, 37715), (185, 37742), (187, 37748), (237, 37862), (264, 37946), (303, 38039), (317, 38069),

Gene: Cain_31 Start: 25852, Stop: 26595, Start Num: 99

Candidate Starts for Cain_31:

(83, 25825), (Start: 99 @25852 has 152 MA's), (111, 25870), (120, 25894), (Start: 123 @25900 has 5 MA's), (141, 25936), (165, 25984), (167, 25993), (180, 26029), (194, 26071), (238, 26179), (284, 26314), (289, 26329), (295, 26341), (304, 26362), (313, 26377), (314, 26380), (316, 26386), (381, 26464), (410, 26545), (417, 26566), (419, 26575),

Gene: CallaLilly_31 Start: 26417, Stop: 27289, Start Num: 99

Candidate Starts for CallaLilly_31:

(29, 26087), (64, 26315), (83, 26390), (Start: 99 @26417 has 152 MA's), (Start: 110 @26429 has 1 MA's), (141, 26498), (146, 26507), (152, 26525), (165, 26555), (167, 26564), (180, 26600), (184, 26609), (194, 26642), (202, 26660), (209, 26690), (238, 26750), (284, 26885), (295, 26912), (304, 26933), (316, 26957), (335, 27008), (362, 27110), (375, 27146), (385, 27170), (419, 27269), (421, 27278),

Gene: Capricorn_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Capricorn_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: CaseJules_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for CaseJules_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: CathyBurgh_49 Start: 46585, Stop: 45728, Start Num: 98

Candidate Starts for CathyBurgh_49:

(Start: 98 @46585 has 51 MA's), (112, 46561), (127, 46522), (Start: 137 @46507 has 2 MA's), (149, 46471), (164, 46432), (186, 46372), (190, 46354), (203, 46315), (212, 46279), (214, 46273), (271, 46102), (297, 46027), (309, 45997), (345, 45910), (374, 45835), (392, 45808), (414, 45748),

Gene: Chadwick_9 Start: 5150, Stop: 5959, Start Num: 88

Candidate Starts for Chadwick_9:

(69, 5087), (78, 5126), (Start: 88 @5150 has 23 MA's), (118, 5213), (152, 5279), (158, 5294), (169, 5327), (277, 5597), (291, 5639), (310, 5678), (316, 5696), (329, 5726), (416, 5924),

Gene: Chancellor_32 Start: 27640, Stop: 28431, Start Num: 87

Candidate Starts for Chancellor_32:

(Start: 87 @27640 has 23 MA's), (Start: 110 @27673 has 1 MA's), (Start: 123 @27706 has 5 MA's), (Start: 137 @27730 has 2 MA's), (146, 27751), (149, 27760), (160, 27790), (165, 27799), (167, 27808), (180, 27844), (211, 27925), (284, 28132), (295, 28159), (304, 28180), (316, 28204), (359, 28228), (381, 28282), (385, 28294), (412, 28366),

Gene: CharlottesWeb_42 Start: 35092, Stop: 35814, Start Num: 107

Candidate Starts for CharlottesWeb_42:

(11, 34510), (Start: 107 @35092 has 33 MA's), (171, 35248), (173, 35254), (191, 35299), (210, 35362), (213, 35371), (215, 35380), (237, 35407), (238, 35410), (290, 35557), (303, 35587), (306, 35593), (354, 35704), (365, 35728), (384, 35779), (391, 35794),

Gene: Chavito_31 Start: 26161, Stop: 26922, Start Num: 99

Candidate Starts for Chavito_31:

(64, 26056), (67, 26077), (77, 26110), (83, 26131), (Start: 99 @26161 has 152 MA's), (Start: 123 @26206 has 5 MA's), (146, 26251), (166, 26302), (167, 26308), (178, 26338), (180, 26344), (184, 26353), (194, 26386), (207, 26428), (229, 26479), (238, 26494), (284, 26629), (295, 26656), (304, 26677), (307, 26683), (316, 26701), (359, 26734), (362, 26740), (381, 26788), (408, 26860), (419, 26902), (421, 26911),

Gene: CheetoDust_31 Start: 26471, Stop: 27343, Start Num: 99

Candidate Starts for CheetoDust_31:

(83, 26444), (Start: 99 @26471 has 152 MA's), (Start: 110 @26483 has 1 MA's), (141, 26552), (152, 26579), (165, 26609), (167, 26618), (180, 26654), (184, 26663), (194, 26696), (202, 26714), (209, 26744), (238, 26804), (284, 26939), (295, 26966), (304, 26987), (316, 27011), (335, 27062), (375, 27200), (385, 27224), (419, 27323), (421, 27332),

Gene: Cheetobro_32 Start: 27637, Stop: 28428, Start Num: 87

Candidate Starts for Cheetobro_32:

(Start: 87 @27637 has 23 MA's), (Start: 110 @27670 has 1 MA's), (Start: 123 @27703 has 5 MA's), (Start: 137 @27727 has 2 MA's), (146, 27748), (149, 27757), (160, 27787), (165, 27796), (167, 27805), (180, 27841), (211, 27922), (284, 28129), (295, 28156), (304, 28177), (316, 28201), (359, 28225), (381, 28279), (385, 28291), (412, 28363),

Gene: Chelms_50 Start: 46517, Stop: 45657, Start Num: 98

Candidate Starts for Chelms_50:

(Start: 98 @46517 has 51 MA's), (112, 46493), (Start: 137 @46439 has 2 MA's), (149, 46403), (164, 46364), (186, 46304), (190, 46286), (203, 46247), (212, 46211), (214, 46205), (271, 46034), (297, 45959), (309, 45929), (345, 45842), (374, 45767), (392, 45740), (411, 45686), (414, 45680),

Gene: Chidiebere_31 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for Chidiebere_31:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Chipko_27 Start: 22550, Stop: 23251, Start Num: 104

Candidate Starts for Chipko_27:

(16, 22118), (17, 22121), (23, 22157), (28, 22178), (31, 22205), (33, 22217), (37, 22259), (57, 22367), (Start: 104 @22550 has 21 MA's), (116, 22568), (149, 22643), (156, 22658), (183, 22733), (191, 22754), (200, 22775), (207, 22805), (215, 22832), (237, 22859), (240, 22868), (243, 22877), (274, 22958), (303, 23036), (306, 23042), (388, 23228),

Gene: ChisanaKitsune_27 Start: 20220, Stop: 20918, Start Num: 102

Candidate Starts for ChisanaKitsune_27:

(60, 20082), (62, 20088), (65, 20109), (67, 20121), (75, 20154), (79, 20166), (Start: 102 @20220 has 14 MA's), (138, 20283), (182, 20391), (189, 20412), (201, 20445), (208, 20475), (209, 20478), (215, 20499), (217, 20505), (221, 20511), (235, 20532), (271, 20637), (274, 20646), (299, 20715), (301, 20721), (316, 20757), (321, 20769), (337, 20808), (372, 20898), (376, 20910), (379, 20913),

Gene: ChosenOne_35 Start: 31066, Stop: 31923, Start Num: 81

Candidate Starts for ChosenOne_35:

(Start: 81 @31066 has 134 MA's), (100, 31105), (115, 31135), (Start: 123 @31156 has 5 MA's), (141, 31192), (152, 31222), (180, 31297), (202, 31345), (203, 31348), (208, 31372), (209, 31375), (214, 31390), (282, 31561), (327, 31675), (338, 31690), (340, 31696), (358, 31738), (359, 31741), (381, 31795), (409, 31873), (420, 31906),

Gene: ChotaBhai_35 Start: 31104, Stop: 31961, Start Num: 81

Candidate Starts for ChotaBhai_35:

(Start: 81 @31104 has 134 MA's), (100, 31143), (115, 31173), (Start: 123 @31194 has 5 MA's), (141, 31230), (152, 31260), (180, 31335), (202, 31383), (203, 31386), (208, 31410), (209, 31413), (214, 31428), (282, 31599), (327, 31713), (338, 31728), (340, 31734), (358, 31776), (359, 31779), (381, 31833), (409, 31911), (420, 31944),

Gene: Chris_30 Start: 25746, Stop: 26486, Start Num: 99

Candidate Starts for Chris_30:

(83, 25719), (Start: 99 @25746 has 152 MA's), (111, 25761), (Start: 123 @25791 has 5 MA's), (141, 25827), (167, 25884), (180, 25920), (194, 25962), (238, 26070), (295, 26232), (307, 26259), (316, 26277), (352, 26289), (359, 26301), (375, 26343), (383, 26364), (385, 26367), (419, 26466), (421, 26475),

Gene: CinnamonToast_55 Start: 48051, Stop: 47221, Start Num: 112

Candidate Starts for CinnamonToast_55:

(40, 48342), (46, 48318), (Start: 98 @48075 has 51 MA's), (112, 48051), (Start: 137 @47997 has 2 MA's), (164, 47922), (186, 47862), (190, 47844), (198, 47820), (203, 47805), (212, 47769), (214, 47763), (271, 47595), (287, 47544), (288, 47538), (297, 47520), (345, 47403), (374, 47328), (392, 47301), (396, 47292), (414, 47241),

Gene: Cjw1_35 Start: 32618, Stop: 33475, Start Num: 81

Candidate Starts for Cjw1_35:

(Start: 81 @32618 has 134 MA's), (100, 32657), (115, 32687), (Start: 123 @32708 has 5 MA's), (141, 32744), (152, 32774), (180, 32849), (202, 32897), (203, 32900), (208, 32924), (209, 32927), (214, 32942), (282, 33113), (327, 33227), (338, 33242), (340, 33248), (358, 33290), (359, 33293), (381,

33347), (409, 33425), (420, 33458),

Gene: Clap_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Clap_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Clipper_31 Start: 26471, Stop: 27343, Start Num: 99

Candidate Starts for Clipper_31:

(83, 26444), (Start: 99 @26471 has 152 MA's), (Start: 110 @26483 has 1 MA's), (141, 26552), (152, 26579), (165, 26609), (167, 26618), (180, 26654), (184, 26663), (194, 26696), (202, 26714), (209, 26744), (237, 26801), (238, 26804), (284, 26939), (295, 26966), (304, 26987), (316, 27011), (335, 27062), (362, 27164), (375, 27200), (385, 27224), (419, 27323), (421, 27332),

Gene: CloverMinnie_45 Start: 37493, Stop: 38215, Start Num: 103

Candidate Starts for CloverMinnie_45:

(56, 37307), (Start: 103 @37493 has 11 MA's), (148, 37586), (173, 37655), (185, 37682), (187, 37688), (216, 37778), (264, 37886), (273, 37898), (290, 37949), (303, 37979), (317, 38009), (322, 38024),

Gene: Coco2012_42 Start: 35086, Stop: 35808, Start Num: 107

Candidate Starts for Coco2012_42:

(2, 33664), (3, 33736), (4, 33787), (6, 33979), (8, 34204), (11, 34507), (Start: 107 @35086 has 33 MA's), (171, 35242), (173, 35248), (191, 35293), (200, 35317), (210, 35356), (213, 35365), (215, 35374), (237, 35401), (238, 35404), (290, 35551), (303, 35581), (306, 35587), (354, 35698), (365, 35722), (384, 35773), (391, 35788),

Gene: Coeur_17 Start: 11931, Stop: 12794, Start Num: 85

Candidate Starts for Coeur_17:

(Start: 85 @11931 has 4 MA's), (Start: 123 @12009 has 5 MA's), (125, 12012), (144, 12054), (146, 12057), (183, 12156), (186, 12162), (188, 12174), (226, 12285), (296, 12477), (318, 12528), (321, 12537), (338, 12564), (389, 12675),

Gene: CoffeeBean_20 Start: 9913, Stop: 10809, Start Num: 124

Candidate Starts for CoffeeBean_20:

(Start: 124 @9913 has 8 MA's), (159, 9991), (190, 10078), (205, 10126), (209, 10141), (247, 10219), (258, 10264), (306, 10396), (343, 10489), (349, 10504), (388, 10603), (415, 10684), (423, 10732), (425, 10777),

Gene: Collard_30 Start: 27188, Stop: 27949, Start Num: 97

Candidate Starts for Collard_30:

(77, 27140), (Start: 97 @27188 has 20 MA's), (Start: 110 @27200 has 1 MA's), (111, 27203), (112, 27206), (Start: 123 @27233 has 5 MA's), (141, 27269), (166, 27329), (167, 27335), (178, 27365), (180, 27371), (184, 27380), (194, 27413), (207, 27455), (208, 27458), (212, 27470), (229, 27506), (238, 27521), (248, 27557), (284, 27656), (295, 27683), (304, 27704), (362, 27767), (370, 27791), (381, 27815), (407, 27884), (419, 27929), (421, 27938),

Gene: Command613_36 Start: 32125, Stop: 32982, Start Num: 81

Candidate Starts for Command613_36:

(Start: 81 @32125 has 134 MA's), (100, 32164), (115, 32194), (Start: 123 @32215 has 5 MA's), (141, 32251), (152, 32281), (180, 32356), (202, 32404), (203, 32407), (208, 32431), (209, 32434), (214, 32449), (282, 32620), (327, 32734), (338, 32749), (340, 32755), (358, 32797), (359, 32800), (381, 32854), (409, 32932), (420, 32965),

Gene: Contagion_34 Start: 31362, Stop: 32219, Start Num: 81

Candidate Starts for Contagion_34:

(Start: 81 @31362 has 134 MA's), (100, 31401), (115, 31431), (Start: 123 @31452 has 5 MA's), (141, 31488), (152, 31518), (180, 31593), (202, 31641), (203, 31644), (208, 31668), (209, 31671), (214, 31686), (282, 31857), (327, 31971), (338, 31986), (340, 31992), (358, 32034), (359, 32037), (381, 32091), (409, 32169), (420, 32202),

Gene: Coog_8 Start: 5323, Stop: 6132, Start Num: 88

Candidate Starts for Coog_8:

(Start: 88 @5323 has 23 MA's), (118, 5386), (Start: 123 @5395 has 5 MA's), (152, 5452), (169, 5500), (277, 5770), (291, 5812), (316, 5869), (339, 5911), (422, 6118),

Gene: Cookies_35 Start: 31727, Stop: 32584, Start Num: 81

Candidate Starts for Cookies_35:

(Start: 81 @31727 has 134 MA's), (100, 31766), (115, 31796), (Start: 123 @31817 has 5 MA's), (141, 31853), (152, 31883), (180, 31958), (202, 32006), (203, 32009), (208, 32033), (209, 32036), (214, 32051), (282, 32222), (327, 32336), (338, 32351), (340, 32357), (358, 32399), (359, 32402), (381, 32456), (409, 32534), (420, 32567),

Gene: Coriander_27 Start: 22534, Stop: 23235, Start Num: 105

Candidate Starts for Coriander_27:

(Start: 105 @22534 has 9 MA's), (149, 22627), (156, 22642), (171, 22687), (183, 22717), (201, 22762), (207, 22789), (208, 22792), (237, 22843), (243, 22861), (274, 22942), (303, 23020), (306, 23026), (324, 23068), (328, 23077), (364, 23149), (388, 23212),

Gene: Crete_51 Start: 46783, Stop: 45923, Start Num: 98

Candidate Starts for Crete_51:

(Start: 98 @46783 has 51 MA's), (112, 46759), (Start: 137 @46705 has 2 MA's), (149, 46669), (164, 46630), (186, 46570), (190, 46552), (203, 46513), (212, 46477), (214, 46471), (271, 46300), (297, 46225), (309, 46195), (345, 46108), (374, 46033), (392, 46006), (411, 45952), (414, 45946),

Gene: CrimD_31 Start: 26431, Stop: 27303, Start Num: 99

Candidate Starts for CrimD_31:

(83, 26404), (Start: 99 @26431 has 152 MA's), (Start: 110 @26443 has 1 MA's), (141, 26512), (152, 26539), (165, 26569), (167, 26578), (180, 26614), (184, 26623), (194, 26656), (202, 26674), (238, 26764), (284, 26899), (295, 26926), (304, 26947), (316, 26971), (335, 27022), (362, 27124), (375, 27160), (385, 27184), (419, 27283), (421, 27292),

Gene: CrystalP_35 Start: 31858, Stop: 32715, Start Num: 81

Candidate Starts for CrystalP_35:

(Start: 81 @31858 has 134 MA's), (100, 31897), (115, 31927), (Start: 123 @31948 has 5 MA's), (141, 31984), (152, 32014), (180, 32089), (202, 32137), (203, 32140), (208, 32164), (209, 32167), (214, 32182), (282, 32353), (321, 32452), (327, 32467), (338, 32482), (340, 32488), (358, 32530), (359, 32533), (381, 32587), (409, 32665), (420, 32698),

Gene: Cuco_8 Start: 5354, Stop: 6163, Start Num: 88

Candidate Starts for Cuco_8:

(Start: 88 @5354 has 23 MA's), (118, 5417), (Start: 123 @5426 has 5 MA's), (152, 5483), (169, 5531), (200, 5612), (277, 5801), (291, 5843), (316, 5900), (339, 5942), (422, 6149),

Gene: Cuke_31 Start: 27339, Stop: 28265, Start Num: 76

Candidate Starts for Cuke_31:

(Start: 76 @27339 has 3 MA's), (82, 27360), (Start: 98 @27393 has 51 MA's), (116, 27432), (121, 27444), (Start: 137 @27471 has 2 MA's), (146, 27498), (154, 27519), (173, 27579), (180, 27597), (190, 27627), (216, 27717), (224, 27732), (236, 27750), (253, 27816), (282, 27897), (310, 27984), (314, 27996), (325, 28023),

Gene: Curiosium_32 Start: 26281, Stop: 27129, Start Num: 99

Candidate Starts for Curiosium_32:

(77, 26233), (83, 26254), (Start: 99 @26281 has 152 MA's), (Start: 110 @26293 has 1 MA's), (120, 26320), (Start: 123 @26326 has 5 MA's), (139, 26356), (167, 26425), (184, 26470), (194, 26503), (202, 26521), (229, 26596), (261, 26683), (284, 26746), (295, 26773), (304, 26794), (316, 26818), (331, 26854), (362, 26950), (375, 26986), (385, 27010), (421, 27118),

Gene: Cynthia_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Cynthia_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Czyszczone1_36 Start: 31603, Stop: 32460, Start Num: 81

Candidate Starts for Czyszczone1_36:

(Start: 81 @31603 has 134 MA's), (100, 31642), (115, 31672), (Start: 123 @31693 has 5 MA's), (141, 31729), (152, 31759), (180, 31834), (202, 31882), (203, 31885), (208, 31909), (209, 31912), (214, 31927), (282, 32098), (327, 32212), (338, 32227), (340, 32233), (358, 32275), (359, 32278), (381, 32332), (409, 32410), (420, 32443),

Gene: Dadosky_31 Start: 27159, Stop: 27920, Start Num: 97

Candidate Starts for Dadosky_31:

(77, 27111), (Start: 97 @27159 has 20 MA's), (Start: 110 @27171 has 1 MA's), (112, 27177), (Start: 123 @27204 has 5 MA's), (141, 27240), (166, 27300), (167, 27306), (178, 27336), (180, 27342), (184, 27351), (194, 27384), (207, 27426), (208, 27429), (212, 27441), (229, 27477), (238, 27492), (248, 27528), (284, 27627), (295, 27654), (304, 27675), (362, 27738), (370, 27762), (381, 27786), (407, 27855), (419, 27900), (421, 27909),

Gene: Daikon_34 Start: 31596, Stop: 32453, Start Num: 81

Candidate Starts for Daikon_34:

(Start: 81 @31596 has 134 MA's), (100, 31635), (115, 31665), (Start: 123 @31686 has 5 MA's), (141, 31722), (152, 31752), (180, 31827), (202, 31875), (203, 31878), (208, 31902), (209, 31905), (214, 31920), (282, 32091), (327, 32205), (338, 32220), (340, 32226), (358, 32268), (359, 32271), (381, 32325), (409, 32403), (420, 32436),

Gene: Dakiti_51 Start: 47385, Stop: 46525, Start Num: 98

Candidate Starts for Dakiti_51:

(Start: 98 @47385 has 51 MA's), (112, 47361), (Start: 137 @47307 has 2 MA's), (149, 47271), (164, 47232), (186, 47172), (190, 47154), (203, 47115), (212, 47079), (214, 47073), (271, 46902), (297, 46827), (309, 46797), (345, 46710), (374, 46635), (392, 46608), (411, 46554), (414, 46548),

Gene: DalanDe_26 Start: 21686, Stop: 22381, Start Num: 102

Candidate Starts for DalanDe_26:

(Start: 102 @21686 has 14 MA's), (138, 21746), (157, 21791), (182, 21854), (189, 21875), (201, 21908), (209, 21941), (249, 22040), (262, 22076), (271, 22100), (274, 22109), (289, 22157), (295, 22169), (299, 22178), (316, 22220), (337, 22271), (369, 22358),

Gene: Dalmuri_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Dalmuri_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: DanSyl44_35 Start: 28507, Stop: 29298, Start Num: 87

Candidate Starts for DanSyl44_35:

(Start: 87 @28507 has 23 MA's), (Start: 110 @28540 has 1 MA's), (Start: 123 @28573 has 5 MA's), (Start: 137 @28597 has 2 MA's), (146, 28618), (149, 28627), (160, 28657), (165, 28666), (167, 28675), (180, 28711), (211, 28792), (284, 28999), (295, 29026), (304, 29047), (313, 29062), (316, 29071), (359, 29095), (381, 29149), (385, 29161), (412, 29233),

Gene: DartGoblin_31 Start: 26358, Stop: 27230, Start Num: 99

Candidate Starts for DartGoblin_31:

(83, 26331), (Start: 99 @26358 has 152 MA's), (Start: 110 @26370 has 1 MA's), (141, 26439), (152, 26466), (165, 26496), (167, 26505), (180, 26541), (184, 26550), (194, 26583), (238, 26691), (284, 26826), (295, 26853), (304, 26874), (316, 26898), (362, 27051), (375, 27087), (385, 27111), (419, 27210), (421, 27219),

Gene: DarthP_30 Start: 26891, Stop: 27631, Start Num: 99

Candidate Starts for DarthP_30:

(25, 26546), (64, 26792), (67, 26813), (77, 26846), (83, 26867), (Start: 99 @26891 has 152 MA's), (Start: 110 @26903 has 1 MA's), (120, 26930), (Start: 123 @26936 has 5 MA's), (165, 27020), (167, 27029), (172, 27041), (184, 27074), (194, 27107), (238, 27215), (247, 27242), (284, 27350), (295, 27377), (304, 27398), (316, 27422), (352, 27434), (358, 27443), (381, 27500), (385, 27512), (419, 27611),

Gene: Dartin_31 Start: 25850, Stop: 26611, Start Num: 99

Candidate Starts for Dartin_31:

(83, 25820), (Start: 99 @25850 has 152 MA's), (Start: 123 @25895 has 5 MA's), (141, 25931), (166, 25991), (167, 25997), (178, 26027), (180, 26033), (184, 26042), (194, 26075), (207, 26117), (229, 26168), (238, 26183), (284, 26318), (295, 26345), (304, 26366), (307, 26372), (316, 26390), (359, 26423), (362, 26429), (381, 26477), (408, 26549), (419, 26591), (421, 26600),

Gene: Deby_31 Start: 26428, Stop: 27300, Start Num: 99

Candidate Starts for Deby_31:

(29, 26098), (64, 26326), (83, 26401), (Start: 99 @26428 has 152 MA's), (Start: 110 @26440 has 1 MA's), (141, 26509), (152, 26536), (165, 26566), (167, 26575), (180, 26611), (184, 26620), (194, 26653), (202, 26671), (209, 26701), (238, 26761), (284, 26896), (295, 26923), (304, 26944), (316, 26968), (335, 27019), (362, 27121), (375, 27157), (385, 27181), (419, 27280), (421, 27289),

Gene: Demosthenes_43 Start: 46429, Stop: 45593, Start Num: 98

Candidate Starts for Demosthenes_43:

(Start: 98 @46429 has 51 MA's), (112, 46399), (140, 46333), (176, 46240), (290, 45898), (313, 45841), (318, 45829), (367, 45718), (382, 45679), (397, 45655), (399, 45649),

Gene: Denise_22 Start: 18886, Stop: 19509, Start Num: 123

Candidate Starts for Denise_22:

(Start: 123 @18886 has 5 MA's), (129, 18892), (145, 18922), (151, 18937), (174, 18997), (182, 19018), (189, 19039), (245, 19189), (267, 19252), (289, 19315), (299, 19336), (303, 19345), (358, 19477), (360, 19483), (366, 19498), (368, 19501),

Gene: Devera_31 Start: 26468, Stop: 27340, Start Num: 99

Candidate Starts for Devera_31:

(83, 26441), (Start: 99 @26468 has 152 MA's), (Start: 110 @26480 has 1 MA's), (141, 26549), (152, 26576), (165, 26606), (167, 26615), (180, 26651), (184, 26660), (194, 26693), (202, 26711), (238, 26801), (284, 26936), (295, 26963), (304, 26984), (316, 27008), (350, 27110), (362, 27161), (375, 27197), (385, 27221), (419, 27320), (421, 27329),

Gene: Diabla_53 Start: 47946, Stop: 47092, Start Num: 98

Candidate Starts for Diabla_53:

(Start: 98 @47946 has 51 MA's), (112, 47922), (Start: 137 @47868 has 2 MA's), (164, 47790), (190, 47712), (194, 47700), (212, 47637), (214, 47631), (223, 47607), (227, 47601), (271, 47466), (297, 47391), (318, 47337),

Gene: DirtyBoi_28 Start: 22441, Stop: 23142, Start Num: 104

Candidate Starts for DirtyBoi_28:

(Start: 104 @22441 has 21 MA's), (116, 22459), (149, 22534), (156, 22549), (183, 22624), (207, 22696), (215, 22723), (237, 22750), (240, 22759), (243, 22768), (272, 22843), (274, 22849), (303, 22927), (306, 22933), (364, 23056), (388, 23119),

Gene: Dmitri_27 Start: 22590, Stop: 23291, Start Num: 104

Candidate Starts for Dmitri_27:

(16, 22158), (17, 22161), (23, 22197), (28, 22218), (31, 22245), (33, 22257), (37, 22299), (57, 22407), (Start: 104 @22590 has 21 MA's), (116, 22608), (149, 22683), (156, 22698), (183, 22773), (191, 22794), (200, 22815), (207, 22845), (215, 22872), (237, 22899), (240, 22908), (243, 22917), (274, 22998), (290, 23046), (303, 23076), (306, 23082), (388, 23268),

Gene: DocB7_038 Start: 38440, Stop: 37679, Start Num: 141

Candidate Starts for DocB7_038:

(Start: 88 @38557 has 23 MA's), (93, 38545), (Start: 105 @38518 has 9 MA's), (141, 38440), (167, 38365), (180, 38329), (184, 38320), (218, 38203), (226, 38182), (235, 38167), (242, 38143), (298, 37975), (308, 37951), (310, 37945), (313, 37936), (325, 37906), (340, 37870), (354, 37834), (400, 37729), (403, 37720), (413, 37690),

Gene: DoctorDiddles_35 Start: 31020, Stop: 31877, Start Num: 81

Candidate Starts for DoctorDiddles_35:

(Start: 81 @31020 has 134 MA's), (100, 31059), (115, 31089), (Start: 123 @31110 has 5 MA's), (141, 31146), (152, 31176), (180, 31251), (202, 31299), (203, 31302), (208, 31326), (209, 31329), (214, 31344), (282, 31515), (327, 31629), (336, 31638), (338, 31644), (340, 31650), (358, 31692), (359, 31695), (381, 31749), (409, 31827), (420, 31860),

Gene: Dogfish_46 Start: 35376, Stop: 36182, Start Num: 106

Candidate Starts for Dogfish_46:

(Start: 106 @35376 has 5 MA's), (136, 35439), (183, 35562), (280, 35817), (312, 35898), (315, 35907), (324, 35928), (326, 35934), (353, 35985), (378, 36039), (401, 36096), (405, 36111), (418, 36159),

Gene: Doggs_26 Start: 22233, Stop: 22934, Start Num: 105

Candidate Starts for Doggs_26:

(Start: 105 @22233 has 9 MA's), (149, 22326), (156, 22341), (171, 22386), (183, 22416), (201, 22461), (207, 22488), (208, 22491), (237, 22542), (243, 22560), (274, 22641), (303, 22719), (306, 22725), (324, 22767), (328, 22776), (364, 22848), (388, 22911),

Gene: Dole_31 Start: 26470, Stop: 27342, Start Num: 99

Candidate Starts for Dole_31:

(83, 26443), (Start: 99 @26470 has 152 MA's), (Start: 110 @26482 has 1 MA's), (141, 26551), (152, 26578), (165, 26608), (167, 26617), (180, 26653), (184, 26662), (194, 26695), (202, 26713), (238, 26803), (284, 26938), (295, 26965), (304, 26986), (316, 27010), (350, 27112), (362, 27163), (375, 27199), (385, 27223), (419, 27322), (421, 27331),

Gene: Dorin_11 Start: 5894, Stop: 5211, Start Num: 119

Candidate Starts for Dorin_11:

(Start: 119 @5894 has 2 MA's), (Start: 122 @5888 has 4 MA's), (128, 5876), (143, 5840), (150, 5825), (153, 5816), (220, 5615), (232, 5597), (246, 5561), (257, 5531), (302, 5417), (310, 5399), (338, 5348), (341, 5339), (351, 5318), (357, 5306), (361, 5297), (383, 5237),

Gene: DoubleChamp_30 Start: 27200, Stop: 27949, Start Num: 110

Candidate Starts for DoubleChamp_30:

(77, 27140), (Start: 97 @27188 has 20 MA's), (Start: 110 @27200 has 1 MA's), (111, 27203), (112, 27206), (Start: 123 @27233 has 5 MA's), (141, 27269), (166, 27329), (167, 27335), (178, 27365), (180, 27371), (184, 27380), (194, 27413), (207, 27455), (208, 27458), (212, 27470), (229, 27506), (238, 27521), (248, 27557), (284, 27656), (295, 27683), (304, 27704), (362, 27767), (370, 27791), (381, 27815), (407, 27884), (419, 27929), (421, 27938),

Gene: DrDrey_36 Start: 32350, Stop: 33207, Start Num: 81

Candidate Starts for DrDrey_36:

(Start: 81 @32350 has 134 MA's), (100, 32389), (115, 32419), (Start: 123 @32440 has 5 MA's), (141, 32476), (152, 32506), (180, 32581), (202, 32629), (203, 32632), (208, 32656), (209, 32659), (214, 32674), (282, 32845), (327, 32959), (338, 32974), (340, 32980), (358, 33022), (359, 33025), (381, 33079), (409, 33157), (420, 33190),

Gene: DrHayes_31 Start: 26382, Stop: 27254, Start Num: 99

Candidate Starts for DrHayes_31:

(64, 26280), (83, 26355), (Start: 99 @26382 has 152 MA's), (Start: 110 @26394 has 1 MA's), (141, 26463), (152, 26490), (165, 26520), (167, 26529), (180, 26565), (184, 26574), (194, 26607), (202, 26625), (238, 26715), (284, 26850), (295, 26877), (304, 26898), (316, 26922), (335, 26973), (362, 27075), (375, 27111), (385, 27135), (419, 27234), (421, 27243),

Gene: Dublin_7 Start: 5322, Stop: 6131, Start Num: 88

Candidate Starts for Dublin_7:

(Start: 88 @5322 has 23 MA's), (118, 5385), (Start: 123 @5394 has 5 MA's), (152, 5451), (169, 5499), (277, 5769), (291, 5811), (316, 5868), (339, 5910), (422, 6117),

Gene: Dumbo_35 Start: 31325, Stop: 32182, Start Num: 81

Candidate Starts for Dumbo_35:

(Start: 81 @31325 has 134 MA's), (100, 31364), (115, 31394), (Start: 123 @31415 has 5 MA's), (141, 31451), (152, 31481), (180, 31556), (202, 31604), (203, 31607), (208, 31631), (209, 31634), (214, 31649), (282, 31820), (327, 31934), (338, 31949), (340, 31955), (358, 31997), (359, 32000), (380, 32051), (381, 32054), (409, 32132), (420, 32165),

Gene: Durfee_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Durfee_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Dusk_34 Start: 31510, Stop: 32367, Start Num: 81

Candidate Starts for Dusk_34:

(Start: 81 @31510 has 134 MA's), (100, 31549), (115, 31579), (Start: 123 @31600 has 5 MA's), (141, 31636), (152, 31666), (180, 31741), (202, 31789), (203, 31792), (208, 31816), (209, 31819), (214, 31834), (282, 32005), (327, 32119), (338, 32134), (340, 32140), (358, 32182), (359, 32185), (381, 32239), (409, 32317), (420, 32350),

Gene: E3_gp167 Start: 114768, Stop: 115532, Start Num: 141

Candidate Starts for E3_gp167:

(68, 114585), (141, 114768), (163, 114828), (166, 114837), (178, 114873), (202, 114954), (204, 114960), (213, 114996), (254, 115125), (257, 115131), (268, 115164), (271, 115170), (299, 115248), (301, 115254), (387, 115467),

Gene: EMSquaredA_27 Start: 21910, Stop: 22626, Start Num: 104

Candidate Starts for EMSquaredA_27:

(Start: 91 @21883 has 1 MA's), (Start: 92 @21886 has 1 MA's), (Start: 104 @21910 has 21 MA's), (115, 21928), (139, 21982), (171, 22066), (187, 22105), (201, 22141), (207, 22168), (237, 22222), (243, 22240), (274, 22333), (303, 22411), (306, 22417), (384, 22594), (393, 22612),

Gene: Easy2Say_37 Start: 33108, Stop: 33965, Start Num: 81

Candidate Starts for Easy2Say_37:

(Start: 81 @33108 has 134 MA's), (100, 33147), (115, 33177), (Start: 123 @33198 has 5 MA's), (141, 33234), (152, 33264), (180, 33339), (202, 33387), (203, 33390), (208, 33414), (209, 33417), (214, 33432), (282, 33603), (327, 33717), (338, 33732), (340, 33738), (358, 33780), (359, 33783), (381, 33837), (409, 33915), (420, 33948),

Gene: Ebert_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Ebert_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: EdnaMode_23 Start: 18707, Stop: 19408, Start Num: 107

Candidate Starts for EdnaMode_23:

(95, 18689), (Start: 97 @18692 has 20 MA's), (Start: 107 @18707 has 33 MA's), (149, 18800), (156, 18815), (168, 18851), (200, 18932), (208, 18965), (210, 18971), (237, 19016), (248, 19055), (303, 19193), (306, 19199), (317, 19223), (322, 19238), (394, 19400),

Gene: Edugator_30 Start: 27158, Stop: 27919, Start Num: 97

Candidate Starts for Edugator_30:

(77, 27110), (Start: 97 @27158 has 20 MA's), (Start: 110 @27170 has 1 MA's), (112, 27176), (Start: 123 @27203 has 5 MA's), (141, 27239), (166, 27299), (167, 27305), (178, 27335), (180, 27341), (184, 27350), (194, 27383), (207, 27425), (208, 27428), (212, 27440), (229, 27476), (238, 27491), (248, 27527), (284, 27626), (295, 27653), (304, 27674), (362, 27737), (370, 27761), (381, 27785), (407, 27854), (419, 27899), (421, 27908),

Gene: Efra2_31 Start: 25702, Stop: 26571, Start Num: 99

Candidate Starts for Efra2_31:

(77, 25654), (83, 25675), (Start: 99 @25702 has 152 MA's), (Start: 110 @25714 has 1 MA's), (120, 25741), (Start: 123 @25747 has 5 MA's), (139, 25777), (141, 25783), (167, 25846), (180, 25882), (184, 25891), (194, 25924), (209, 25972), (241, 26041), (295, 26194), (304, 26215), (316, 26239), (323, 26257), (332, 26278), (345, 26317), (362, 26392), (410, 26521), (419, 26551), (421, 26560),

Gene: Eggsie_48 Start: 45908, Stop: 45054, Start Num: 98

Candidate Starts for Eggsie_48:

(Start: 98 @45908 has 51 MA's), (112, 45884), (Start: 137 @45830 has 2 MA's), (140, 45818), (164, 45752), (190, 45674), (203, 45635), (212, 45599), (214, 45593), (216, 45584), (271, 45428), (297, 45353), (309, 45323), (318, 45299), (335, 45263),

Gene: Ekdilam_28 Start: 26650, Stop: 27390, Start Num: 99

Candidate Starts for Ekdilam_28:

(64, 26551), (67, 26572), (77, 26605), (83, 26626), (Start: 99 @26650 has 152 MA's), (Start: 110 @26662 has 1 MA's), (Start: 123 @26695 has 5 MA's), (165, 26779), (167, 26788), (172, 26800), (184, 26833), (194, 26866), (238, 26974), (247, 27001), (295, 27136), (304, 27157), (316, 27181), (352, 27193), (358, 27202), (381, 27259), (385, 27271), (410, 27340), (419, 27370),

Gene: Ekhein_50 Start: 45713, Stop: 44856, Start Num: 98

Candidate Starts for Ekhein_50:

(Start: 98 @45713 has 51 MA's), (112, 45689), (127, 45650), (Start: 137 @45635 has 2 MA's), (149, 45599), (164, 45560), (186, 45500), (190, 45482), (203, 45443), (212, 45407), (214, 45401), (271, 45230), (297, 45155), (309, 45125), (345, 45038), (374, 44963), (392, 44936), (414, 44876),

Gene: ElTiger69_8 Start: 5180, Stop: 5989, Start Num: 88

Candidate Starts for ElTiger69_8:

(Start: 88 @5180 has 23 MA's), (112, 5225), (152, 5309), (158, 5324), (169, 5357), (277, 5627), (291, 5669), (310, 5708), (316, 5726), (329, 5756), (416, 5954),

Gene: Elite2014_34 Start: 31065, Stop: 31922, Start Num: 81

Candidate Starts for Elite2014_34:

(Start: 81 @31065 has 134 MA's), (100, 31104), (115, 31134), (Start: 123 @31155 has 5 MA's), (141, 31191), (152, 31221), (180, 31296), (202, 31344), (203, 31347), (208, 31371), (209, 31374), (214, 31389), (282, 31560), (327, 31674), (338, 31689), (340, 31695), (358, 31737), (359, 31740), (381, 31794), (409, 31872), (420, 31905),

Gene: Ellie_28 Start: 26652, Stop: 27389, Start Num: 99

Candidate Starts for Ellie_28:

(64, 26541), (67, 26562), (77, 26601), (83, 26622), (Start: 99 @26652 has 152 MA's), (Start: 110 @26664 has 1 MA's), (Start: 123 @26697 has 5 MA's), (141, 26733), (165, 26781), (167, 26790), (172, 26802), (180, 26826), (194, 26868), (238, 26976), (247, 27003), (281, 27090), (284, 27108), (289, 27123), (295, 27135), (304, 27156), (316, 27180), (352, 27192), (358, 27201), (362, 27210), (381, 27258), (419, 27369), (421, 27378),

Gene: Elph10_36 Start: 31328, Stop: 32185, Start Num: 81

Candidate Starts for Elph10_36:

(Start: 81 @31328 has 134 MA's), (100, 31367), (115, 31397), (Start: 123 @31418 has 5 MA's), (141, 31454), (152, 31484), (180, 31559), (202, 31607), (203, 31610), (208, 31634), (209, 31637), (214, 31652), (282, 31823), (327, 31937), (338, 31952), (340, 31958), (358, 32000), (359, 32003), (381, 32057), (409, 32135), (420, 32168),

Gene: Emerson_31 Start: 26454, Stop: 27326, Start Num: 99

Candidate Starts for Emerson_31:

(83, 26427), (Start: 99 @26454 has 152 MA's), (Start: 110 @26466 has 1 MA's), (141, 26535), (152, 26562), (165, 26592), (167, 26601), (180, 26637), (184, 26646), (194, 26679), (202, 26697), (209, 26727), (237, 26784), (238, 26787), (284, 26922), (295, 26949), (304, 26970), (316, 26994), (335, 27045), (362, 27147), (375, 27183), (404, 27255), (419, 27306), (421, 27315),

Gene: Emmina_36 Start: 31686, Stop: 32543, Start Num: 81

Candidate Starts for Emmina_36:

(Start: 81 @31686 has 134 MA's), (100, 31725), (115, 31755), (Start: 123 @31776 has 5 MA's), (141, 31812), (152, 31842), (180, 31917), (202, 31965), (203, 31968), (208, 31992), (209, 31995), (214, 32010), (282, 32181), (327, 32295), (338, 32310), (340, 32316), (358, 32358), (359, 32361), (381, 32415), (409, 32493), (420, 32526),

Gene: EmoNemo_30 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for EmoNemo_30:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Emperor_4 Start: 2151, Stop: 2993, Start Num: 85

Candidate Starts for Emperor_4:

(Start: 85 @2151 has 4 MA's), (Start: 123 @2229 has 5 MA's), (130, 2241), (144, 2274), (180, 2370), (183, 2376), (188, 2394), (202, 2430), (321, 2745), (390, 2880),

Gene: EnalisNailo_27 Start: 22059, Stop: 22775, Start Num: 104

Candidate Starts for EnalisNailo_27:

(Start: 91 @22032 has 1 MA's), (Start: 92 @22035 has 1 MA's), (Start: 104 @22059 has 21 MA's), (115, 22077), (139, 22131), (171, 22215), (187, 22254), (201, 22290), (207, 22317), (237, 22371), (243, 22389), (274, 22482), (303, 22560), (306, 22566), (384, 22743), (393, 22761),

Gene: Enkosi_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Enkosi_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: EpicDab_7 Start: 4348, Stop: 5202, Start Num: 85

Candidate Starts for EpicDab_7:

(35, 4075), (60, 4246), (71, 4297), (Start: 85 @4348 has 4 MA's), (Start: 123 @4426 has 5 MA's), (125, 4429), (180, 4567), (183, 4573), (188, 4591), (202, 4627), (212, 4666), (223, 4693), (279, 4834), (296, 4885), (318, 4936), (321, 4945), (348, 4993), (389, 5083),

Gene: Eponine_34 Start: 28394, Stop: 29185, Start Num: 87

Candidate Starts for Eponine_34:

(Start: 87 @28394 has 23 MA's), (Start: 110 @28427 has 1 MA's), (Start: 123 @28460 has 5 MA's), (Start: 137 @28484 has 2 MA's), (146, 28505), (149, 28514), (160, 28544), (165, 28553), (167, 28562), (180, 28598), (211, 28679), (284, 28886), (295, 28913), (304, 28934), (313, 28949), (316, 28958), (359, 28982), (381, 29036), (385, 29048), (412, 29120),

Gene: Eureka_35 Start: 31841, Stop: 32698, Start Num: 81

Candidate Starts for Eureka_35:

(Start: 81 @31841 has 134 MA's), (100, 31880), (115, 31910), (Start: 123 @31931 has 5 MA's), (141, 31967), (152, 31997), (180, 32072), (202, 32120), (203, 32123), (208, 32147), (209, 32150), (214, 32165), (282, 32336), (327, 32450), (338, 32465), (340, 32471), (358, 32513), (359, 32516), (381, 32570), (409, 32648), (420, 32681),

Gene: Evaa_42 Start: 36118, Stop: 36834, Start Num: 109

Candidate Starts for Evaa_42:

(21, 35704), (Start: 109 @36118 has 13 MA's), (133, 36172), (156, 36226), (171, 36271), (191, 36322), (192, 36325), (196, 36334), (201, 36346), (210, 36382), (243, 36454), (276, 36547), (293, 36595), (294, 36598), (303, 36619), (384, 36802),

Gene: Ewald_46 Start: 35188, Stop: 35994, Start Num: 106

Candidate Starts for Ewald_46:

(Start: 106 @35188 has 5 MA's), (136, 35251), (170, 35341), (195, 35401), (215, 35473), (219, 35479), (222, 35482), (280, 35629), (311, 35707), (312, 35710), (324, 35740), (326, 35746), (353, 35797), (405, 35923), (418, 35971),

Gene: Exiguo_49 Start: 45725, Stop: 44868, Start Num: 98

Candidate Starts for Exiguo_49:

(Start: 98 @45725 has 51 MA's), (112, 45701), (127, 45662), (Start: 137 @45647 has 2 MA's), (149, 45611), (164, 45572), (186, 45512), (190, 45494), (203, 45455), (212, 45419), (214, 45413), (271, 45242), (297, 45167), (309, 45137), (345, 45050), (374, 44975), (392, 44948), (414, 44888),

Gene: Eyes_26 Start: 21433, Stop: 22146, Start Num: 109

Candidate Starts for Eyes_26:

(80, 21376), (Start: 109 @21433 has 13 MA's), (149, 21526), (156, 21541), (171, 21586), (191, 21637), (202, 21664), (207, 21688), (240, 21751), (243, 21760), (298, 21910), (303, 21922), (306, 21928), (374, 22093),

Gene: Eyre_23 Start: 19537, Stop: 20265, Start Num: 104

Candidate Starts for Eyre_23:

(25, 19162), (54, 19333), (55, 19336), (64, 19417), (67, 19438), (Start: 104 @19537 has 21 MA's), (149, 19636), (156, 19651), (171, 19696), (207, 19798), (237, 19852), (243, 19870), (303, 20038), (306, 20044), (348, 20146), (374, 20209),

Gene: Fairfaxidum_25 Start: 21557, Stop: 22270, Start Num: 104

Candidate Starts for Fairfaxidum_25:

(95, 21542), (Start: 104 @21557 has 21 MA's), (112, 21569), (113, 21572), (115, 21575), (160, 21683), (171, 21713), (183, 21743), (201, 21788), (213, 21833), (237, 21875), (243, 21893), (274, 21980), (278, 21986), (294, 22037), (303, 22058), (306, 22064), (322, 22103), (328, 22115), (364, 22187), (388, 22250),

Gene: FairyPath_35 Start: 32053, Stop: 32910, Start Num: 81

Candidate Starts for FairyPath_35:

(Start: 81 @32053 has 134 MA's), (100, 32092), (115, 32122), (Start: 123 @32143 has 5 MA's), (141, 32179), (152, 32209), (180, 32284), (202, 32332), (203, 32335), (208, 32359), (209, 32362), (214, 32377), (282, 32548), (327, 32662), (338, 32677), (340, 32683), (358, 32725), (359, 32728), (381, 32782), (409, 32860), (420, 32893),

Gene: Faith5x5_23 Start: 18643, Stop: 19344, Start Num: 104

Candidate Starts for Faith5x5_23:

(Start: 104 @18643 has 21 MA's), (139, 18709), (149, 18733), (160, 18763), (171, 18793), (187, 18832), (191, 18844), (202, 18871), (207, 18895), (208, 18898), (238, 18952), (240, 18958), (243, 18967), (262, 19030), (272, 19045), (274, 19051), (290, 19099), (299, 19120), (303, 19129), (306, 19135), (328, 19186), (348, 19225), (354, 19237), (384, 19312), (394, 19333), (395, 19336),

Gene: Farrylious_30 Start: 21321, Stop: 22019, Start Num: 102

Candidate Starts for Farrylious_30:

(Start: 94 @21303 has 1 MA's), (Start: 102 @21321 has 14 MA's), (138, 21384), (152, 21420), (177, 21480), (182, 21492), (189, 21513), (201, 21546), (208, 21576), (209, 21579), (215, 21600), (217,

21606), (221, 21612), (235, 21633), (271, 21738), (274, 21747), (299, 21816), (301, 21822), (316, 21858), (321, 21870), (337, 21909), (346, 21930), (372, 21999), (376, 22011), (379, 22014),

Gene: Fefferhead_30 Start: 26852, Stop: 27589, Start Num: 99

Candidate Starts for Fefferhead_30:

(64, 26741), (67, 26762), (77, 26801), (83, 26822), (Start: 99 @26852 has 152 MA's), (Start: 110 @26864 has 1 MA's), (Start: 123 @26897 has 5 MA's), (141, 26933), (165, 26981), (167, 26990), (180, 27026), (194, 27068), (238, 27176), (247, 27203), (281, 27290), (284, 27308), (295, 27335), (304, 27356), (316, 27380), (352, 27392), (358, 27401), (362, 27410), (381, 27458), (419, 27569), (421, 27578),

Gene: FelixAlejandro_54 Start: 48219, Stop: 47365, Start Num: 98

Candidate Starts for FelixAlejandro_54:

(40, 48486), (46, 48462), (Start: 98 @48219 has 51 MA's), (112, 48195), (Start: 137 @48141 has 2 MA's), (164, 48066), (186, 48006), (190, 47988), (198, 47964), (203, 47949), (212, 47913), (214, 47907), (271, 47739), (287, 47688), (288, 47682), (297, 47664), (345, 47547), (374, 47472), (392, 47445), (396, 47436), (414, 47385),

Gene: FelixTres_45 Start: 37556, Stop: 38278, Start Num: 103

Candidate Starts for FelixTres_45:

(56, 37370), (Start: 103 @37556 has 11 MA's), (148, 37649), (173, 37718), (185, 37745), (187, 37751), (216, 37841), (264, 37949), (273, 37961), (290, 38012), (303, 38042), (317, 38072), (322, 38087),

Gene: Feyre_30 Start: 26964, Stop: 27836, Start Num: 99

Candidate Starts for Feyre_30:

(Start: 99 @26964 has 152 MA's), (Start: 110 @26976 has 1 MA's), (112, 26982), (Start: 123 @27009 has 5 MA's), (139, 27039), (141, 27045), (165, 27099), (167, 27108), (172, 27120), (184, 27153), (194, 27186), (209, 27234), (295, 27456), (303, 27474), (304, 27477), (331, 27537), (335, 27555), (345, 27582), (362, 27654), (368, 27669), (375, 27690), (377, 27693), (385, 27714), (417, 27807), (419, 27816), (421, 27825),

Gene: Filch_36 Start: 31616, Stop: 32473, Start Num: 81

Candidate Starts for Filch_36:

(Start: 81 @31616 has 134 MA's), (100, 31655), (115, 31685), (Start: 123 @31706 has 5 MA's), (141, 31742), (152, 31772), (180, 31847), (202, 31895), (203, 31898), (208, 31922), (209, 31925), (214, 31940), (282, 32111), (327, 32225), (338, 32240), (340, 32246), (358, 32288), (359, 32291), (381, 32345), (409, 32423), (420, 32456),

Gene: Fionnbharth_32 Start: 27630, Stop: 28421, Start Num: 87

Candidate Starts for Fionnbharth_32:

(Start: 87 @27630 has 23 MA's), (Start: 110 @27663 has 1 MA's), (Start: 123 @27696 has 5 MA's), (Start: 137 @27720 has 2 MA's), (146, 27741), (165, 27789), (167, 27798), (180, 27834), (211, 27915), (284, 28122), (295, 28149), (298, 28155), (304, 28170), (316, 28194), (359, 28218), (368, 28239), (381, 28272), (385, 28284), (412, 28356),

Gene: FireRed_35 Start: 31886, Stop: 32743, Start Num: 81

Candidate Starts for FireRed_35:

(Start: 81 @31886 has 134 MA's), (100, 31925), (115, 31955), (Start: 123 @31976 has 5 MA's), (141, 32012), (152, 32042), (180, 32117), (202, 32165), (203, 32168), (208, 32192), (209, 32195), (214, 32210), (282, 32381), (321, 32480), (327, 32495), (338, 32510), (340, 32516), (358, 32558), (359, 32561), (381, 32615), (409, 32693), (420, 32726),

Gene: Flakey_49 Start: 46589, Stop: 45732, Start Num: 98

Candidate Starts for Flakey_49:

(Start: 98 @46589 has 51 MA's), (112, 46565), (127, 46526), (Start: 137 @46511 has 2 MA's), (149, 46475), (164, 46436), (186, 46376), (190, 46358), (203, 46319), (212, 46283), (214, 46277), (271, 46106), (297, 46031), (309, 46001), (345, 45914), (374, 45839), (392, 45812), (414, 45752),

Gene: Floral_27 Start: 21910, Stop: 22626, Start Num: 104

Candidate Starts for Floral_27:

(Start: 91 @21883 has 1 MA's), (Start: 92 @21886 has 1 MA's), (Start: 104 @21910 has 21 MA's), (115, 21928), (139, 21982), (171, 22066), (187, 22105), (201, 22141), (207, 22168), (237, 22222), (243, 22240), (274, 22333), (303, 22411), (306, 22417), (384, 22594), (393, 22612),

Gene: Florence1_8 Start: 5215, Stop: 5952, Start Num: 123

Candidate Starts for Florence1_8:

(72, 5101), (Start: 88 @5143 has 23 MA's), (Start: 123 @5215 has 5 MA's), (152, 5272), (169, 5320), (200, 5401), (277, 5590), (291, 5632), (316, 5689),

Gene: FlyingTortilla_30 Start: 24461, Stop: 25141, Start Num: 102

Candidate Starts for FlyingTortilla_30:

(Start: 102 @24461 has 14 MA's), (138, 24518), (189, 24635), (201, 24668), (208, 24698), (209, 24701), (215, 24722), (217, 24728), (228, 24746), (239, 24767), (262, 24836), (271, 24860), (279, 24878), (283, 24899), (321, 24992), (325, 25001), (346, 25052), (372, 25121), (379, 25136),

Gene: Flypotenuse_33 Start: 31454, Stop: 32311, Start Num: 81

Candidate Starts for Flypotenuse_33:

(Start: 81 @31454 has 134 MA's), (100, 31493), (115, 31523), (Start: 123 @31544 has 5 MA's), (141, 31580), (152, 31610), (180, 31685), (202, 31733), (203, 31736), (208, 31760), (209, 31763), (214, 31778), (282, 31949), (327, 32063), (338, 32078), (340, 32084), (358, 32126), (359, 32129), (381, 32183), (409, 32261), (420, 32294),

Gene: FoghornLeghorn_34 Start: 31362, Stop: 32219, Start Num: 81

Candidate Starts for FoghornLeghorn_34:

(Start: 81 @31362 has 134 MA's), (100, 31401), (115, 31431), (Start: 123 @31452 has 5 MA's), (141, 31488), (152, 31518), (180, 31593), (202, 31641), (203, 31644), (208, 31668), (209, 31671), (214, 31686), (282, 31857), (321, 31956), (327, 31971), (338, 31986), (340, 31992), (358, 32034), (359, 32037), (381, 32091), (409, 32169), (420, 32202),

Gene: Fowlmouth_34 Start: 30830, Stop: 31756, Start Num: 76

Candidate Starts for Fowlmouth_34:

(74, 30824), (Start: 76 @30830 has 3 MA's), (82, 30851), (86, 30857), (96, 30881), (113, 30917), (121, 30935), (Start: 137 @30962 has 2 MA's), (146, 30989), (154, 31010), (173, 31070), (181, 31091), (216, 31208), (236, 31241), (253, 31307), (282, 31388), (310, 31475), (318, 31496), (323, 31511), (325, 31514), (338, 31556), (339, 31559),

Gene: Francesca_10 Start: 6016, Stop: 5336, Start Num: 119

Candidate Starts for Francesca_10:

(Start: 119 @6016 has 2 MA's), (Start: 122 @6010 has 4 MA's), (128, 5998), (143, 5962), (150, 5947), (153, 5938), (220, 5737), (232, 5719), (246, 5683), (257, 5653), (302, 5539), (310, 5521), (313, 5512), (341, 5461), (351, 5440), (357, 5428), (361, 5419),

Gene: Fresco_42 Start: 35273, Stop: 35995, Start Num: 107

Candidate Starts for Fresco_42:

(18, 34883), (48, 35060), (63, 35168), (Start: 107 @35273 has 33 MA's), (173, 35435), (191, 35480), (210, 35543), (215, 35561), (237, 35588), (262, 35666), (263, 35669), (290, 35738), (303, 35768),

(306, 35774), (386, 35963),

Gene: FroggyToad_24 Start: 19863, Stop: 20570, Start Num: 107

Candidate Starts for FroggyToad_24:

(60, 19719), (Start: 107 @19863 has 33 MA's), (135, 19920), (149, 19959), (171, 20019), (178, 20037), (179, 20040), (201, 20094), (202, 20097), (210, 20130), (215, 20148), (216, 20151), (262, 20253), (290, 20322), (303, 20352), (306, 20358), (394, 20562),

Gene: FruityLoops_29 Start: 24464, Stop: 25144, Start Num: 102

Candidate Starts for FruityLoops_29:

(Start: 102 @24464 has 14 MA's), (138, 24521), (189, 24638), (201, 24671), (208, 24701), (209, 24704), (215, 24725), (217, 24731), (228, 24749), (239, 24770), (271, 24863), (279, 24881), (283, 24902), (321, 24995), (325, 25004), (327, 25010), (346, 25055), (372, 25124), (379, 25139),

Gene: GAL1_26 Start: 21339, Stop: 22043, Start Num: 104

Candidate Starts for GAL1_26:

(Start: 104 @21339 has 21 MA's), (108, 21345), (139, 21411), (149, 21435), (160, 21465), (171, 21495), (187, 21534), (207, 21597), (240, 21660), (243, 21669), (271, 21744), (272, 21747), (274, 21753), (290, 21801), (303, 21831), (306, 21837), (354, 21939), (364, 21960), (388, 22023),

Gene: GEazy_26 Start: 21448, Stop: 22167, Start Num: 109

Candidate Starts for GEazy_26:

(80, 21391), (Start: 109 @21448 has 13 MA's), (149, 21541), (156, 21556), (171, 21601), (191, 21652), (202, 21679), (207, 21703), (240, 21766), (243, 21775), (303, 21937), (306, 21943),

Gene: GMA5_15 Start: 12085, Stop: 12933, Start Num: 85

Candidate Starts for GMA5_15:

(15, 11686), (24, 11743), (27, 11749), (Start: 85 @12085 has 4 MA's), (Start: 123 @12163 has 5 MA's), (144, 12208), (183, 12310), (255, 12511), (283, 12583), (296, 12616), (321, 12676), (323, 12682), (408, 12865),

Gene: GMA6_16 Start: 13599, Stop: 14291, Start Num: 100

Candidate Starts for GMA6_16:

(100, 13599), (138, 13659), (141, 13671), (148, 13683), (152, 13695), (163, 13716), (174, 13749), (189, 13791), (201, 13824), (235, 13911), (271, 14013), (297, 14085), (316, 14133), (344, 14205), (358, 14241), (375, 14286),

Gene: GMA7_41 Start: 40896, Stop: 39997, Start Num: 98

Candidate Starts for GMA7_41:

(50, 41103), (59, 41037), (Start: 98 @40896 has 51 MA's), (112, 40869), (135, 40821), (162, 40755), (164, 40749), (200, 40632), (202, 40626), (213, 40584), (237, 40524), (271, 40404), (292, 40341), (313, 40287), (321, 40266), (371, 40155),

Gene: GRU3_15 Start: 12090, Stop: 12938, Start Num: 85

Candidate Starts for GRU3_15:

(Start: 85 @12090 has 4 MA's), (Start: 123 @12168 has 5 MA's), (144, 12213), (183, 12315), (318, 12672), (321, 12681), (373, 12783), (408, 12870),

Gene: GTE7_40 Start: 40927, Stop: 40028, Start Num: 98

Candidate Starts for GTE7_40:

(50, 41134), (59, 41068), (Start: 98 @40927 has 51 MA's), (112, 40900), (135, 40852), (162, 40786), (164, 40780), (200, 40663), (202, 40657), (213, 40615), (237, 40555), (271, 40435), (292, 40372), (313, 40318), (321, 40297), (371, 40186),

Gene: Gage_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for Gage_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: Gagieri_19 Start: 9542, Stop: 10426, Start Num: 124

Candidate Starts for Gagieri_19:

(49, 9272), (52, 9284), (53, 9299), (Start: 124 @9542 has 8 MA's), (134, 9557), (159, 9620), (190, 9707), (197, 9725), (202, 9740), (206, 9758), (209, 9770), (263, 9899), (289, 9977), (306, 10013), (343, 10106), (349, 10121), (388, 10220), (406, 10268), (415, 10301), (423, 10349), (425, 10394),

Gene: Ganymede_32 Start: 26474, Stop: 27346, Start Num: 99

Candidate Starts for Ganymede_32:

(83, 26447), (Start: 99 @26474 has 152 MA's), (Start: 110 @26486 has 1 MA's), (141, 26555), (152, 26582), (165, 26612), (167, 26621), (180, 26657), (184, 26666), (194, 26699), (202, 26717), (209, 26747), (238, 26807), (284, 26942), (295, 26969), (304, 26990), (316, 27014), (335, 27065), (362, 27167), (375, 27203), (385, 27227), (419, 27326), (421, 27335),

Gene: Gator_33 Start: 31466, Stop: 32323, Start Num: 81

Candidate Starts for Gator_33:

(Start: 81 @31466 has 134 MA's), (100, 31505), (115, 31535), (Start: 123 @31556 has 5 MA's), (141, 31592), (152, 31622), (180, 31697), (202, 31745), (203, 31748), (208, 31772), (209, 31775), (214, 31790), (282, 31961), (327, 32075), (338, 32090), (340, 32096), (358, 32138), (359, 32141), (381, 32195), (409, 32273), (420, 32306),

Gene: GemG_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for GemG_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Gemini_38 Start: 32365, Stop: 33222, Start Num: 81

Candidate Starts for Gemini_38:

(Start: 81 @32365 has 134 MA's), (100, 32404), (115, 32434), (Start: 123 @32455 has 5 MA's), (141, 32491), (152, 32521), (180, 32596), (202, 32644), (203, 32647), (208, 32671), (209, 32674), (214, 32689), (282, 32860), (327, 32974), (338, 32989), (340, 32995), (358, 33037), (359, 33040), (381, 33094), (409, 33172), (420, 33205),

Gene: Gengar_30 Start: 27074, Stop: 27946, Start Num: 99

Candidate Starts for Gengar_30:

(Start: 99 @27074 has 152 MA's), (Start: 110 @27086 has 1 MA's), (112, 27092), (Start: 123 @27119 has 5 MA's), (139, 27149), (141, 27155), (165, 27209), (167, 27218), (172, 27230), (184, 27263), (194, 27296), (209, 27344), (295, 27566), (303, 27584), (304, 27587), (331, 27647), (335, 27665), (345, 27692), (362, 27764), (368, 27779), (375, 27800), (377, 27803), (385, 27824), (417, 27917), (419, 27926), (421, 27935),

Gene: George_7 Start: 5355, Stop: 6164, Start Num: 88

Candidate Starts for George_7:

(Start: 88 @5355 has 23 MA's), (118, 5418), (Start: 123 @5427 has 5 MA's), (152, 5484), (169, 5532), (200, 5613), (277, 5802), (291, 5844), (316, 5901), (339, 5943), (422, 6150),

Gene: Geraldini_31 Start: 26471, Stop: 27343, Start Num: 99

Candidate Starts for Geraldini_31:

(83, 26444), (Start: 99 @26471 has 152 MA's), (Start: 110 @26483 has 1 MA's), (141, 26552), (152, 26579), (165, 26609), (167, 26618), (180, 26654), (184, 26663), (194, 26696), (202, 26714), (209, 26744), (238, 26804), (284, 26939), (295, 26966), (304, 26987), (316, 27011), (335, 27062), (362, 27164), (375, 27200), (385, 27224), (419, 27323), (421, 27332),

Gene: Gizermo_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Gizermo_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Glexan_33 Start: 31454, Stop: 32311, Start Num: 81

Candidate Starts for Glexan_33:

(Start: 81 @31454 has 134 MA's), (100, 31493), (115, 31523), (Start: 123 @31544 has 5 MA's), (141, 31580), (152, 31610), (180, 31685), (202, 31733), (203, 31736), (208, 31760), (209, 31763), (214, 31778), (282, 31949), (327, 32063), (338, 32078), (340, 32084), (358, 32126), (359, 32129), (381, 32183), (409, 32261), (420, 32294),

Gene: Goku_35 Start: 31570, Stop: 32427, Start Num: 81

Candidate Starts for Goku_35:

(Start: 81 @31570 has 134 MA's), (100, 31609), (115, 31639), (Start: 123 @31660 has 5 MA's), (141, 31696), (152, 31726), (180, 31801), (202, 31849), (203, 31852), (208, 31876), (209, 31879), (214, 31894), (282, 32065), (327, 32179), (338, 32194), (340, 32200), (358, 32242), (359, 32245), (381, 32299), (409, 32377), (420, 32410),

Gene: GoldenSpark_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for GoldenSpark_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: Goldilocks_36 Start: 31268, Stop: 32125, Start Num: 81

Candidate Starts for Goldilocks_36:

(Start: 81 @31268 has 134 MA's), (100, 31307), (115, 31337), (Start: 123 @31358 has 5 MA's), (141, 31394), (152, 31424), (180, 31499), (202, 31547), (203, 31550), (208, 31574), (209, 31577), (214, 31592), (282, 31763), (327, 31877), (338, 31892), (340, 31898), (358, 31940), (359, 31943), (381, 31997), (409, 32075), (420, 32108),

Gene: GooberAzure_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for GooberAzure_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: Gorko_49 Start: 45717, Stop: 44860, Start Num: 98

Candidate Starts for Gorko_49:

(Start: 98 @45717 has 51 MA's), (112, 45693), (127, 45654), (Start: 137 @45639 has 2 MA's), (149, 45603), (164, 45564), (186, 45504), (190, 45486), (203, 45447), (212, 45411), (214, 45405), (271,

45234), (297, 45159), (309, 45129), (345, 45042), (374, 44967), (392, 44940), (414, 44880),

Gene: GourdThymes_49 Start: 46591, Stop: 45734, Start Num: 98

Candidate Starts for GourdThymes_49:

(Start: 98 @46591 has 51 MA's), (112, 46567), (127, 46528), (Start: 137 @46513 has 2 MA's), (149, 46477), (186, 46378), (190, 46360), (203, 46321), (214, 46279), (271, 46108), (297, 46033), (309, 46003), (345, 45916), (374, 45841), (392, 45814), (414, 45754),

Gene: Gray_31 Start: 21550, Stop: 22266, Start Num: 94

Candidate Starts for Gray_31:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Grayson_31 Start: 9328, Stop: 8654, Start Num: 122

Candidate Starts for Grayson_31:

(114, 9352), (117, 9343), (Start: 122 @9328 has 4 MA's), (153, 9262), (155, 9259), (163, 9238), (173, 9205), (203, 9124), (239, 9031), (258, 8977), (275, 8938), (302, 8866), (319, 8824), (321, 8818),

Gene: Greep_36 Start: 32178, Stop: 33035, Start Num: 81

Candidate Starts for Greep_36:

(Start: 81 @32178 has 134 MA's), (100, 32217), (115, 32247), (Start: 123 @32268 has 5 MA's), (141, 32304), (152, 32334), (180, 32409), (202, 32457), (203, 32460), (208, 32484), (209, 32487), (214, 32502), (282, 32673), (321, 32772), (327, 32787), (338, 32802), (340, 32808), (358, 32850), (359, 32853), (381, 32907), (409, 32985), (420, 33018),

Gene: Guanica15_31 Start: 25719, Stop: 26588, Start Num: 99

Candidate Starts for Guanica15_31:

(77, 25671), (83, 25692), (Start: 99 @25719 has 152 MA's), (Start: 110 @25731 has 1 MA's), (120, 25758), (Start: 123 @25764 has 5 MA's), (139, 25794), (141, 25800), (167, 25863), (180, 25899), (184, 25908), (194, 25941), (209, 25989), (241, 26058), (295, 26211), (304, 26232), (316, 26256), (323, 26274), (332, 26295), (345, 26334), (362, 26409), (375, 26445), (410, 26538), (419, 26568), (421, 26577),

Gene: Gudmit_24 Start: 19608, Stop: 20321, Start Num: 104

Candidate Starts for Gudmit_24:

(Start: 104 @19608 has 21 MA's), (115, 19626), (171, 19764), (202, 19842), (207, 19866), (237, 19920), (243, 19938), (274, 20031), (303, 20109), (306, 20115), (320, 20145), (388, 20301), (395, 20313),

Gene: Guillsminger_30 Start: 27046, Stop: 27918, Start Num: 99

Candidate Starts for Guillsminger_30:

(Start: 99 @27046 has 152 MA's), (Start: 110 @27058 has 1 MA's), (112, 27064), (Start: 123 @27091 has 5 MA's), (139, 27121), (141, 27127), (165, 27181), (167, 27190), (172, 27202), (184, 27235), (194, 27268), (209, 27316), (241, 27385), (295, 27538), (303, 27556), (304, 27559), (331, 27619), (335, 27637), (345, 27664), (362, 27736), (375, 27772), (377, 27775), (385, 27796), (407, 27853), (417, 27889), (419, 27898), (421, 27907),

Gene: Haley23_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Haley23_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110),

(262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Hammy_30 Start: 26882, Stop: 27622, Start Num: 99

Candidate Starts for Hammy_30:

(25, 26537), (64, 26783), (67, 26804), (77, 26837), (83, 26858), (Start: 99 @26882 has 152 MA's), (Start: 110 @26894 has 1 MA's), (120, 26921), (Start: 123 @26927 has 5 MA's), (165, 27011), (167, 27020), (172, 27032), (184, 27065), (194, 27098), (238, 27206), (247, 27233), (284, 27341), (295, 27368), (304, 27389), (316, 27413), (352, 27425), (358, 27434), (381, 27491), (385, 27503), (419, 27602),

Gene: HanKaySha_36 Start: 31600, Stop: 32457, Start Num: 81

Candidate Starts for HanKaySha_36:

(Start: 81 @31600 has 134 MA's), (100, 31639), (115, 31669), (Start: 123 @31690 has 5 MA's), (141, 31726), (152, 31756), (180, 31831), (202, 31879), (203, 31882), (208, 31906), (209, 31909), (214, 31924), (282, 32095), (327, 32209), (338, 32224), (340, 32230), (358, 32272), (359, 32275), (381, 32329), (409, 32407), (420, 32440),

Gene: Hanem_31 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for Hanem_31:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (358, 22210), (372, 22246), (376, 22258), (379, 22261),

Gene: HannahD_26 Start: 21448, Stop: 22167, Start Num: 109

Candidate Starts for HannahD_26:

(80, 21391), (Start: 109 @21448 has 13 MA's), (149, 21541), (156, 21556), (171, 21601), (191, 21652), (202, 21679), (207, 21703), (240, 21766), (243, 21775), (303, 21937), (306, 21943),

Gene: Harella_34 Start: 31970, Stop: 32827, Start Num: 81

Candidate Starts for Harella_34:

(Start: 81 @31970 has 134 MA's), (100, 32009), (115, 32039), (Start: 123 @32060 has 5 MA's), (141, 32096), (152, 32126), (180, 32201), (202, 32249), (203, 32252), (208, 32276), (209, 32279), (214, 32294), (282, 32465), (327, 32579), (338, 32594), (340, 32600), (358, 32642), (359, 32645), (381, 32699), (409, 32777), (420, 32810),

Gene: HayZem_51 Start: 46679, Stop: 45780, Start Num: 98

Candidate Starts for HayZem_51:

(50, 46886), (59, 46820), (Start: 98 @46679 has 51 MA's), (112, 46652), (135, 46604), (162, 46538), (164, 46532), (200, 46415), (202, 46409), (213, 46367), (237, 46307), (271, 46187), (292, 46124), (313, 46070), (321, 46049), (371, 45938),

Gene: Hedwig_28 Start: 22437, Stop: 23138, Start Num: 104

Candidate Starts for Hedwig_28:

(Start: 104 @22437 has 21 MA's), (116, 22455), (149, 22530), (156, 22545), (183, 22620), (207, 22692), (215, 22719), (237, 22746), (240, 22755), (243, 22764), (272, 22839), (274, 22845), (303, 22923), (306, 22929), (364, 23052), (374, 23082), (388, 23115),

Gene: HedwigODU_31 Start: 26463, Stop: 27335, Start Num: 99

Candidate Starts for HedwigODU_31:

(83, 26436), (Start: 99 @26463 has 152 MA's), (Start: 110 @26475 has 1 MA's), (141, 26544), (152, 26571), (165, 26601), (167, 26610), (180, 26646), (184, 26655), (194, 26688), (202, 26706), (209, 26736), (237, 26793), (238, 26796), (284, 26931), (295, 26958), (304, 26979), (316, 27003), (335,

27054), (362, 27156), (375, 27192), (385, 27216), (419, 27315), (421, 27324),

Gene: Heftyboy_30 Start: 27195, Stop: 28064, Start Num: 99

Candidate Starts for Heftyboy_30:

(64, 27093), (77, 27147), (Start: 99 @27195 has 152 MA's), (Start: 110 @27207 has 1 MA's), (112, 27213), (Start: 123 @27240 has 5 MA's), (139, 27270), (141, 27276), (165, 27330), (167, 27339), (172, 27351), (184, 27384), (194, 27417), (209, 27465), (231, 27513), (261, 27597), (295, 27687), (303, 27705), (304, 27708), (332, 27771), (335, 27786), (345, 27810), (362, 27882), (375, 27918), (377, 27921), (385, 27942), (407, 27999), (417, 28035), (419, 28044), (421, 28053),

Gene: Henry_36 Start: 31858, Stop: 32715, Start Num: 81

Candidate Starts for Henry_36:

(Start: 81 @31858 has 134 MA's), (100, 31897), (115, 31927), (Start: 123 @31948 has 5 MA's), (141, 31984), (152, 32014), (180, 32089), (202, 32137), (203, 32140), (208, 32164), (209, 32167), (214, 32182), (282, 32353), (327, 32467), (338, 32482), (340, 32488), (358, 32530), (359, 32533), (381, 32587), (409, 32665), (420, 32698),

Gene: Highbury_36 Start: 31516, Stop: 32373, Start Num: 81

Candidate Starts for Highbury_36:

(Start: 81 @31516 has 134 MA's), (100, 31555), (115, 31585), (Start: 123 @31606 has 5 MA's), (141, 31642), (152, 31672), (180, 31747), (202, 31795), (203, 31798), (208, 31822), (209, 31825), (214, 31840), (282, 32011), (327, 32125), (338, 32140), (340, 32146), (358, 32188), (359, 32191), (381, 32245), (409, 32323), (420, 32356),

Gene: Hollow_45 Start: 47078, Stop: 46251, Start Num: 98

Candidate Starts for Hollow_45:

(Start: 98 @47078 has 51 MA's), (112, 47051), (140, 46985), (176, 46892), (251, 46679), (313, 46493), (318, 46481), (367, 46370), (382, 46331), (397, 46307), (399, 46301),

Gene: Holt_36 Start: 31135, Stop: 31992, Start Num: 81

Candidate Starts for Holt_36:

(Start: 81 @31135 has 134 MA's), (100, 31174), (115, 31204), (Start: 123 @31225 has 5 MA's), (141, 31261), (152, 31291), (180, 31366), (202, 31414), (203, 31417), (208, 31441), (209, 31444), (214, 31459), (282, 31630), (327, 31744), (338, 31759), (340, 31765), (358, 31807), (359, 31810), (381, 31864), (409, 31942), (420, 31975),

Gene: Homura_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Homura_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Hoonter_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for Hoonter_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: Hopey_37 Start: 32135, Stop: 32992, Start Num: 81

Candidate Starts for Hopey_37:

(Start: 81 @32135 has 134 MA's), (100, 32174), (115, 32204), (Start: 123 @32225 has 5 MA's), (141, 32261), (152, 32291), (180, 32366), (202, 32414), (203, 32417), (208, 32441), (209, 32444), (214, 32459), (282, 32630), (327, 32744), (338, 32759), (340, 32765), (358, 32807), (359, 32810), (381, 32864), (409, 32942), (420, 32975),

Gene: Hotorobo_49 Start: 46596, Stop: 45739, Start Num: 98

Candidate Starts for Hotorobo_49:

(Start: 98 @46596 has 51 MA's), (112, 46572), (127, 46533), (Start: 137 @46518 has 2 MA's), (149, 46482), (164, 46443), (186, 46383), (190, 46365), (203, 46326), (212, 46290), (214, 46284), (271, 46113), (297, 46038), (309, 46008), (345, 45921), (374, 45846), (392, 45819), (414, 45759),

Gene: HuffyPuff_34 Start: 31842, Stop: 32699, Start Num: 81

Candidate Starts for HuffyPuff_34:

(Start: 81 @31842 has 134 MA's), (100, 31881), (115, 31911), (Start: 123 @31932 has 5 MA's), (141, 31968), (152, 31998), (180, 32073), (202, 32121), (203, 32124), (208, 32148), (209, 32151), (214, 32166), (282, 32337), (321, 32436), (327, 32451), (338, 32466), (340, 32472), (358, 32514), (359, 32517), (381, 32571), (409, 32649), (420, 32682),

Gene: HuhtaEnerson15_8 Start: 5355, Stop: 6164, Start Num: 88

Candidate Starts for HuhtaEnerson15_8:

(Start: 88 @5355 has 23 MA's), (118, 5418), (Start: 123 @5427 has 5 MA's), (152, 5484), (169, 5532), (200, 5613), (277, 5802), (291, 5844), (316, 5901), (339, 5943), (422, 6150),

Gene: Hurricane_32 Start: 27396, Stop: 28184, Start Num: 99

Candidate Starts for Hurricane_32:

(13, 26904), (30, 27066), (67, 27318), (77, 27351), (Start: 99 @27396 has 152 MA's), (Start: 123 @27441 has 5 MA's), (141, 27477), (165, 27534), (167, 27543), (180, 27579), (202, 27633), (207, 27657), (261, 27798), (284, 27861), (295, 27903), (304, 27924), (307, 27930), (316, 27948), (358, 27978), (385, 28047), (412, 28119), (419, 28149),

Gene: Hyperbowlee_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Hyperbowlee_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: IHOP_35 Start: 32035, Stop: 32892, Start Num: 81

Candidate Starts for IHOP_35:

(Start: 81 @32035 has 134 MA's), (100, 32074), (115, 32104), (Start: 123 @32125 has 5 MA's), (141, 32161), (152, 32191), (180, 32266), (202, 32314), (203, 32317), (208, 32341), (209, 32344), (214, 32359), (282, 32530), (327, 32644), (338, 32659), (340, 32665), (358, 32707), (359, 32710), (381, 32764), (409, 32842), (420, 32875),

Gene: Icee_34 Start: 31516, Stop: 32373, Start Num: 81

Candidate Starts for Icee_34:

(Start: 81 @31516 has 134 MA's), (100, 31555), (115, 31585), (Start: 123 @31606 has 5 MA's), (141, 31642), (152, 31672), (180, 31747), (202, 31795), (203, 31798), (208, 31822), (209, 31825), (214, 31840), (282, 32011), (327, 32125), (338, 32140), (340, 32146), (358, 32188), (359, 32191), (381, 32245), (409, 32323), (420, 32356),

Gene: Illumine_31 Start: 26470, Stop: 27342, Start Num: 99

Candidate Starts for Illumine_31:

(83, 26443), (Start: 99 @26470 has 152 MA's), (Start: 110 @26482 has 1 MA's), (141, 26551), (152, 26578), (165, 26608), (167, 26617), (180, 26653), (184, 26662), (194, 26695), (202, 26713), (238, 26803), (284, 26938), (295, 26965), (304, 26986), (316, 27010), (350, 27112), (362, 27163), (375, 27199), (385, 27223), (419, 27322), (421, 27331),

Gene: InLimbo_25 Start: 19442, Stop: 20146, Start Num: 103

Candidate Starts for InLimbo_25:

(Start: 103 @19442 has 11 MA's), (149, 19538), (183, 19628), (191, 19649), (193, 19652), (202, 19676), (207, 19700), (208, 19703), (213, 19718), (237, 19754), (262, 19832), (278, 19859), (294, 19910), (303, 19931), (382, 20108), (394, 20138),

Gene: Inca_34 Start: 30537, Stop: 31394, Start Num: 81

Candidate Starts for Inca_34:

(Start: 81 @30537 has 134 MA's), (100, 30576), (115, 30606), (Start: 123 @30627 has 5 MA's), (141, 30663), (152, 30693), (180, 30768), (202, 30816), (203, 30819), (208, 30843), (209, 30846), (214, 30861), (282, 31032), (321, 31131), (327, 31146), (338, 31161), (340, 31167), (358, 31209), (359, 31212), (381, 31266), (409, 31344), (420, 31377),

Gene: Inky_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Inky_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: InvictusManeo_30 Start: 27231, Stop: 27992, Start Num: 97

Candidate Starts for InvictusManeo_30:

(77, 27183), (Start: 97 @27231 has 20 MA's), (Start: 110 @27243 has 1 MA's), (111, 27246), (112, 27249), (Start: 123 @27276 has 5 MA's), (141, 27312), (166, 27372), (167, 27378), (178, 27408), (180, 27414), (184, 27423), (194, 27456), (207, 27498), (208, 27501), (212, 27513), (229, 27549), (238, 27564), (248, 27600), (284, 27699), (295, 27726), (304, 27747), (362, 27810), (370, 27834), (381, 27858), (407, 27927), (419, 27972), (421, 27981),

Gene: JAWS_31 Start: 26448, Stop: 27320, Start Num: 99

Candidate Starts for JAWS_31:

(29, 26118), (64, 26346), (83, 26421), (Start: 99 @26448 has 152 MA's), (Start: 110 @26460 has 1 MA's), (141, 26529), (152, 26556), (165, 26586), (167, 26595), (180, 26631), (184, 26640), (194, 26673), (202, 26691), (209, 26721), (238, 26781), (284, 26916), (295, 26943), (304, 26964), (316, 26988), (362, 27141), (375, 27177), (419, 27300), (421, 27309),

Gene: JCole_22 Start: 18663, Stop: 19364, Start Num: 104

Candidate Starts for JCole_22:

(19, 18249), (20, 18252), (Start: 104 @18663 has 21 MA's), (139, 18729), (142, 18741), (149, 18753), (156, 18768), (160, 18783), (171, 18813), (187, 18852), (200, 18885), (202, 18891), (207, 18915), (208, 18918), (229, 18963), (237, 18969), (243, 18987), (274, 19071), (290, 19119), (303, 19149), (306, 19155), (315, 19176), (328, 19206), (364, 19278), (384, 19332), (394, 19353),

Gene: JF1_32 Start: 27629, Stop: 28420, Start Num: 87

Candidate Starts for JF1_32:

(Start: 87 @27629 has 23 MA's), (Start: 110 @27662 has 1 MA's), (Start: 123 @27695 has 5 MA's), (Start: 137 @27719 has 2 MA's), (146, 27740), (165, 27788), (167, 27797), (180, 27833), (211, 27914), (284, 28121), (295, 28148), (298, 28154), (304, 28169), (316, 28193), (359, 28217), (368, 28238), (381, 28271), (385, 28283), (412, 28355),

Gene: Jabiru_8 Start: 5180, Stop: 5989, Start Num: 88

Candidate Starts for Jabiru_8:

(Start: 88 @5180 has 23 MA's), (112, 5225), (152, 5309), (158, 5324), (169, 5357), (277, 5627), (291, 5669), (310, 5708), (316, 5726), (329, 5756), (356, 5798),

Gene: Jablanski_28 Start: 22900, Stop: 23523, Start Num: 123

Candidate Starts for Jablanski_28:

(Start: 123 @22900 has 5 MA's), (132, 22909), (151, 22951), (165, 22987), (182, 23032), (189, 23053), (201, 23086), (213, 23131), (245, 23203), (249, 23218), (267, 23266), (283, 23311), (289, 23329), (299, 23350), (303, 23359), (325, 23413), (346, 23464), (358, 23491), (362, 23500), (363, 23503),

Gene: Jalleen_24 Start: 19494, Stop: 20144, Start Num: 135

Candidate Starts for Jalleen_24:

(60, 19293), (Start: 107 @19437 has 33 MA's), (135, 19494), (149, 19533), (171, 19593), (178, 19611), (179, 19614), (187, 19632), (201, 19668), (210, 19704), (215, 19722), (238, 19752), (262, 19827), (303, 19926), (306, 19932), (394, 20136),

Gene: Jarvi_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Jarvi_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Jayhawk_31 Start: 26461, Stop: 27333, Start Num: 99

Candidate Starts for Jayhawk_31:

(83, 26434), (Start: 99 @26461 has 152 MA's), (Start: 110 @26473 has 1 MA's), (141, 26542), (152, 26569), (165, 26599), (167, 26608), (180, 26644), (184, 26653), (194, 26686), (202, 26704), (209, 26734), (237, 26791), (238, 26794), (284, 26929), (295, 26956), (304, 26977), (316, 27001), (335, 27052), (362, 27154), (375, 27190), (385, 27214), (419, 27313), (421, 27322),

Gene: JeTaime_37 Start: 32659, Stop: 33516, Start Num: 81

Candidate Starts for JeTaime_37:

(Start: 81 @32659 has 134 MA's), (100, 32698), (115, 32728), (Start: 123 @32749 has 5 MA's), (141, 32785), (152, 32815), (180, 32890), (202, 32938), (203, 32941), (208, 32965), (209, 32968), (214, 32983), (282, 33154), (327, 33268), (338, 33283), (340, 33289), (358, 33331), (359, 33334), (381, 33388), (409, 33466), (420, 33499),

Gene: Jeckyll_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Jeckyll_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Jecs_27 Start: 21746, Stop: 22459, Start Num: 109

Candidate Starts for Jecs_27:

(80, 21689), (Start: 109 @21746 has 13 MA's), (149, 21839), (156, 21854), (168, 21890), (171, 21899), (191, 21950), (202, 21977), (207, 22001), (240, 22064), (243, 22073), (271, 22148), (298, 22223), (303, 22235), (306, 22241),

Gene: JellyBelly_42 Start: 35092, Stop: 35814, Start Num: 107

Candidate Starts for JellyBelly_42:

(11, 34513), (Start: 107 @35092 has 33 MA's), (171, 35248), (173, 35254), (191, 35299), (200, 35323), (210, 35362), (213, 35371), (215, 35380), (237, 35407), (238, 35410), (290, 35557), (303, 35587), (306, 35593), (354, 35704), (365, 35728), (384, 35779), (391, 35794),

Gene: Jellybones_52 Start: 47697, Stop: 46843, Start Num: 98

Candidate Starts for Jellybones_52:

(40, 47964), (46, 47940), (Start: 98 @47697 has 51 MA's), (112, 47673), (Start: 137 @47619 has 2 MA's), (164, 47544), (186, 47484), (190, 47466), (198, 47442), (203, 47427), (212, 47391), (214, 47385), (271, 47217), (297, 47142), (345, 47025), (374, 46950), (392, 46923), (414, 46863),

Gene: John316_53 Start: 47754, Stop: 46897, Start Num: 98

Candidate Starts for John316_53:

(Start: 98 @47754 has 51 MA's), (112, 47730), (127, 47691), (Start: 137 @47676 has 2 MA's), (149, 47640), (164, 47601), (186, 47541), (190, 47523), (203, 47484), (212, 47448), (214, 47442), (271, 47271), (297, 47196), (309, 47166), (345, 47079), (374, 47004), (392, 46977), (414, 46917),

Gene: Joy99_31 Start: 26423, Stop: 27295, Start Num: 99

Candidate Starts for Joy99_31:

(29, 26093), (64, 26321), (83, 26396), (Start: 99 @26423 has 152 MA's), (Start: 110 @26435 has 1 MA's), (141, 26504), (152, 26531), (165, 26561), (167, 26570), (180, 26606), (184, 26615), (194, 26648), (202, 26666), (209, 26696), (238, 26756), (284, 26891), (295, 26918), (304, 26939), (316, 26963), (335, 27014), (362, 27116), (375, 27152), (385, 27176), (419, 27275), (421, 27284),

Gene: Juliette_34 Start: 27788, Stop: 28579, Start Num: 87

Candidate Starts for Juliette_34:

(Start: 87 @27788 has 23 MA's), (Start: 110 @27821 has 1 MA's), (Start: 123 @27854 has 5 MA's), (Start: 137 @27878 has 2 MA's), (146, 27899), (149, 27908), (160, 27938), (165, 27947), (167, 27956), (180, 27992), (211, 28073), (284, 28280), (295, 28307), (304, 28328), (316, 28352), (359, 28376), (381, 28430), (385, 28442), (412, 28514),

Gene: Kabocha_32 Start: 22381, Stop: 23079, Start Num: 102

Candidate Starts for Kabocha_32:

(Start: 94 @22363 has 1 MA's), (Start: 102 @22381 has 14 MA's), (138, 22444), (152, 22480), (177, 22540), (182, 22552), (189, 22573), (201, 22606), (208, 22636), (209, 22639), (215, 22660), (217, 22666), (221, 22672), (235, 22693), (271, 22798), (274, 22807), (299, 22876), (301, 22882), (316, 22918), (321, 22930), (337, 22969), (346, 22990), (372, 23059), (376, 23071), (379, 23074),

Gene: Kanye_37 Start: 32844, Stop: 33701, Start Num: 81

Candidate Starts for Kanye_37:

(Start: 81 @32844 has 134 MA's), (100, 32883), (115, 32913), (Start: 123 @32934 has 5 MA's), (141, 32970), (152, 33000), (180, 33075), (202, 33123), (203, 33126), (208, 33150), (209, 33153), (214, 33168), (282, 33339), (327, 33453), (338, 33468), (340, 33474), (358, 33516), (359, 33519), (381, 33573), (409, 33651), (420, 33684),

Gene: Katyusha_44 Start: 46742, Stop: 45915, Start Num: 98

Candidate Starts for Katyusha_44:

(Start: 98 @46742 has 51 MA's), (112, 46715), (140, 46649), (176, 46556), (251, 46343), (290, 46214), (313, 46157), (367, 46034), (382, 45995), (397, 45971), (399, 45965),

Gene: Kelzog_51 Start: 46525, Stop: 45746, Start Num: 137

Candidate Starts for Kelzog_51:

(Start: 98 @46603 has 51 MA's), (112, 46579), (127, 46540), (Start: 137 @46525 has 2 MA's), (149, 46489), (164, 46450), (186, 46390), (190, 46372), (203, 46333), (212, 46297), (214, 46291), (271, 46120), (297, 46045), (309, 46015), (345, 45928), (374, 45853), (392, 45826), (414, 45766),

Gene: Keshu_32 Start: 27384, Stop: 28172, Start Num: 99

Candidate Starts for Keshu_32:

(83, 27360), (Start: 99 @27384 has 152 MA's), (Start: 123 @27429 has 5 MA's), (141, 27465), (165, 27522), (167, 27531), (180, 27567), (202, 27621), (207, 27645), (261, 27786), (284, 27849), (295, 27891), (304, 27912), (307, 27918), (316, 27936), (358, 27966), (385, 28035), (412, 28107), (419, 28137),

Gene: KiSi_30 Start: 25623, Stop: 26363, Start Num: 99

Candidate Starts for KiSi_30:

(64, 25521), (67, 25542), (77, 25575), (83, 25596), (Start: 99 @25623 has 152 MA's), (Start: 123 @25668 has 5 MA's), (141, 25704), (167, 25761), (180, 25797), (194, 25839), (209, 25887), (238, 25947), (284, 26082), (295, 26109), (307, 26136), (316, 26154), (359, 26178), (375, 26220), (383, 26241), (385, 26244), (419, 26343),

Gene: Kiko_27 Start: 21413, Stop: 22117, Start Num: 105

Candidate Starts for Kiko_27:

(Start: 105 @21413 has 9 MA's), (139, 21482), (149, 21506), (171, 21566), (183, 21596), (187, 21605), (200, 21638), (207, 21668), (208, 21671), (215, 21695), (237, 21722), (248, 21761), (274, 21824), (290, 21872), (303, 21902), (306, 21908), (315, 21929), (328, 21959),

Gene: Kimchi_37 Start: 31851, Stop: 32708, Start Num: 81

Candidate Starts for Kimchi_37:

(Start: 81 @31851 has 134 MA's), (100, 31890), (115, 31920), (Start: 123 @31941 has 5 MA's), (141, 31977), (152, 32007), (180, 32082), (202, 32130), (203, 32133), (208, 32157), (209, 32160), (214, 32175), (282, 32346), (327, 32460), (338, 32475), (340, 32481), (358, 32523), (359, 32526), (381, 32580), (409, 32658), (420, 32691),

Gene: Kostya_36 Start: 31859, Stop: 32716, Start Num: 81

Candidate Starts for Kostya_36:

(Start: 81 @31859 has 134 MA's), (100, 31898), (115, 31928), (Start: 123 @31949 has 5 MA's), (141, 31985), (152, 32015), (180, 32090), (202, 32138), (203, 32141), (208, 32165), (209, 32168), (214, 32183), (282, 32354), (327, 32468), (338, 32483), (340, 32489), (358, 32531), (359, 32534), (381, 32588), (409, 32666), (420, 32699),

Gene: Kratio_29 Start: 26874, Stop: 27623, Start Num: 110

Candidate Starts for Kratio_29:

(77, 26814), (Start: 97 @26862 has 20 MA's), (Start: 110 @26874 has 1 MA's), (111, 26877), (112, 26880), (Start: 123 @26907 has 5 MA's), (141, 26943), (166, 27003), (167, 27009), (178, 27039), (180, 27045), (184, 27054), (194, 27087), (207, 27129), (208, 27132), (212, 27144), (229, 27180), (238, 27195), (248, 27231), (284, 27330), (295, 27357), (304, 27378), (362, 27441), (370, 27465), (381, 27489), (407, 27558), (419, 27603), (421, 27612),

Gene: Kraw_32 Start: 27553, Stop: 28344, Start Num: 87

Candidate Starts for Kraw_32:

(Start: 87 @27553 has 23 MA's), (Start: 110 @27586 has 1 MA's), (Start: 123 @27619 has 5 MA's), (Start: 137 @27643 has 2 MA's), (146, 27664), (165, 27712), (167, 27721), (180, 27757), (211, 27838), (284, 28045), (295, 28072), (298, 28078), (304, 28093), (316, 28117), (359, 28141), (368, 28162), (381, 28195), (385, 28207), (412, 28279),

Gene: Krueger_31 Start: 25731, Stop: 26474, Start Num: 99

Candidate Starts for Krueger_31:

(34, 25440), (42, 25482), (64, 25629), (67, 25650), (77, 25683), (83, 25704), (Start: 99 @25731 has 152 MA's), (120, 25773), (Start: 123 @25779 has 5 MA's), (141, 25815), (165, 25863), (167, 25872), (180, 25908), (194, 25950), (238, 26058), (284, 26193), (289, 26208), (295, 26220), (304, 26241), (313, 26256), (314, 26259), (316, 26265), (381, 26343), (410, 26424), (417, 26445), (419, 26454),

Gene: Kvothe_44 Start: 46641, Stop: 45814, Start Num: 98

Candidate Starts for Kvothe_44:

(Start: 98 @46641 has 51 MA's), (112, 46614), (140, 46548), (176, 46455), (251, 46242), (290, 46113), (313, 46056), (367, 45933), (382, 45894), (397, 45870), (399, 45864),

Gene: Lamberg_23 Start: 18707, Stop: 19408, Start Num: 107

Candidate Starts for Lamberg_23:

(95, 18689), (Start: 97 @18692 has 20 MA's), (Start: 107 @18707 has 33 MA's), (149, 18800), (156, 18815), (168, 18851), (200, 18932), (208, 18965), (210, 18971), (237, 19016), (248, 19055), (303, 19193), (306, 19199), (317, 19223), (322, 19238), (394, 19400),

Gene: Larva_31 Start: 27026, Stop: 27787, Start Num: 97

Candidate Starts for Larva_31:

(77, 26978), (Start: 97 @27026 has 20 MA's), (Start: 110 @27038 has 1 MA's), (112, 27044), (Start: 123 @27071 has 5 MA's), (141, 27107), (166, 27167), (167, 27173), (178, 27203), (180, 27209), (184, 27218), (194, 27251), (207, 27293), (208, 27296), (212, 27308), (229, 27344), (238, 27359), (248, 27395), (284, 27494), (295, 27521), (304, 27542), (362, 27605), (370, 27629), (381, 27653), (407, 27722), (419, 27767), (421, 27776),

Gene: LastHope_31 Start: 25598, Stop: 26452, Start Num: 99

Candidate Starts for LastHope_31:

(64, 25496), (67, 25517), (77, 25550), (83, 25571), (Start: 99 @25598 has 152 MA's), (Start: 110 @25610 has 1 MA's), (111, 25613), (120, 25637), (Start: 123 @25643 has 5 MA's), (139, 25673), (165, 25733), (167, 25742), (194, 25820), (284, 26063), (289, 26078), (295, 26090), (304, 26111), (316, 26135), (345, 26207), (362, 26273), (377, 26312), (385, 26333), (421, 26441),

Gene: LaterM_31 Start: 26387, Stop: 27259, Start Num: 99

Candidate Starts for LaterM_31:

(83, 26360), (Start: 99 @26387 has 152 MA's), (Start: 110 @26399 has 1 MA's), (141, 26468), (152, 26495), (165, 26525), (167, 26534), (180, 26570), (184, 26579), (194, 26612), (202, 26630), (238, 26720), (284, 26855), (295, 26882), (304, 26903), (316, 26927), (335, 26978), (362, 27080), (375, 27116), (385, 27140), (419, 27239), (421, 27248),

Gene: Lavahound_29 Start: 26544, Stop: 27281, Start Num: 99

Candidate Starts for Lavahound_29:

(64, 26433), (67, 26454), (77, 26493), (83, 26514), (Start: 99 @26544 has 152 MA's), (Start: 110 @26556 has 1 MA's), (Start: 123 @26589 has 5 MA's), (141, 26625), (165, 26673), (167, 26682), (180, 26718), (194, 26760), (238, 26868), (247, 26895), (281, 26982), (284, 27000), (289, 27015), (295, 27027), (304, 27048), (316, 27072), (352, 27084), (358, 27093), (362, 27102), (381, 27150), (419, 27261), (421, 27270),

Gene: LeMond_30 Start: 25694, Stop: 26434, Start Num: 99

Candidate Starts for LeMond_30:

(64, 25592), (67, 25613), (77, 25646), (83, 25667), (Start: 99 @25694 has 152 MA's), (Start: 123 @25739 has 5 MA's), (141, 25775), (167, 25832), (180, 25868), (194, 25910), (238, 26018), (284, 26153), (295, 26180), (316, 26225), (359, 26249), (375, 26291), (383, 26312), (385, 26315), (419,

26414),

Gene: Lea83_32 Start: 27454, Stop: 28242, Start Num: 99

Candidate Starts for Lea83_32:

(30, 27130), (35, 27172), (67, 27376), (77, 27409), (Start: 99 @27454 has 152 MA's), (Start: 123 @27499 has 5 MA's), (141, 27535), (165, 27592), (167, 27601), (180, 27637), (202, 27691), (207, 27715), (261, 27856), (284, 27919), (295, 27961), (304, 27982), (307, 27988), (316, 28006), (358, 28036), (385, 28105), (412, 28177), (419, 28207),

Gene: Lebo14_32 Start: 27643, Stop: 28434, Start Num: 87

Candidate Starts for Lebo14_32:

(Start: 87 @27643 has 23 MA's), (Start: 110 @27676 has 1 MA's), (Start: 123 @27709 has 5 MA's), (Start: 137 @27733 has 2 MA's), (146, 27754), (149, 27763), (160, 27793), (165, 27802), (167, 27811), (180, 27847), (211, 27928), (284, 28135), (295, 28162), (298, 28168), (304, 28183), (313, 28198), (316, 28207), (359, 28231), (381, 28285), (385, 28297), (412, 28369),

Gene: Lenoshki_31 Start: 23245, Stop: 23943, Start Num: 102

Candidate Starts for Lenoshki_31:

(Start: 94 @23227 has 1 MA's), (Start: 102 @23245 has 14 MA's), (138, 23308), (152, 23344), (182, 23416), (189, 23437), (201, 23470), (208, 23500), (209, 23503), (215, 23524), (217, 23530), (221, 23536), (235, 23557), (271, 23662), (274, 23671), (299, 23740), (301, 23746), (316, 23782), (321, 23794), (337, 23833), (372, 23923), (376, 23935), (379, 23938),

Gene: Leston_30 Start: 27176, Stop: 28048, Start Num: 99

Candidate Starts for Leston_30:

(Start: 99 @27176 has 152 MA's), (Start: 110 @27188 has 1 MA's), (112, 27194), (Start: 123 @27221 has 5 MA's), (139, 27251), (141, 27257), (165, 27311), (167, 27320), (172, 27332), (184, 27365), (194, 27398), (209, 27446), (241, 27515), (295, 27668), (303, 27686), (304, 27689), (331, 27749), (335, 27767), (345, 27794), (362, 27866), (375, 27902), (377, 27905), (385, 27926), (407, 27983), (417, 28019), (419, 28028), (421, 28037),

Gene: Ligma_42 Start: 35273, Stop: 35995, Start Num: 107

Candidate Starts for Ligma_42:

(18, 34883), (48, 35060), (63, 35168), (Start: 107 @35273 has 33 MA's), (173, 35435), (191, 35480), (210, 35543), (215, 35561), (237, 35588), (262, 35666), (263, 35669), (290, 35738), (303, 35768), (306, 35774), (386, 35963),

Gene: LilDirt_29 Start: 26988, Stop: 27749, Start Num: 97

Candidate Starts for LilDirt_29:

(77, 26940), (Start: 97 @26988 has 20 MA's), (Start: 110 @27000 has 1 MA's), (111, 27003), (112, 27006), (Start: 123 @27033 has 5 MA's), (141, 27069), (166, 27129), (167, 27135), (178, 27165), (180, 27171), (184, 27180), (194, 27213), (207, 27255), (208, 27258), (212, 27270), (223, 27297), (229, 27306), (238, 27321), (248, 27357), (284, 27456), (295, 27483), (304, 27504), (362, 27567), (370, 27591), (381, 27615), (407, 27684), (419, 27729), (421, 27738),

Gene: LilPharaoh_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for LilPharaoh_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: Lilac_37 Start: 31355, Stop: 32212, Start Num: 81

Candidate Starts for Lilac_37:

(Start: 81 @31355 has 134 MA's), (100, 31394), (115, 31424), (Start: 123 @31445 has 5 MA's), (141, 31481), (152, 31511), (180, 31586), (202, 31634), (203, 31637), (208, 31661), (209, 31664), (214, 31679), (282, 31850), (327, 31964), (338, 31979), (340, 31985), (358, 32027), (359, 32030), (381, 32084), (409, 32162), (420, 32195),

Gene: Lilas_27 Start: 22035, Stop: 22775, Start Num: 92

Candidate Starts for Lilas_27:

(Start: 91 @22032 has 1 MA's), (Start: 92 @22035 has 1 MA's), (Start: 104 @22059 has 21 MA's), (115, 22077), (139, 22131), (171, 22215), (187, 22254), (201, 22290), (207, 22317), (237, 22371), (243, 22389), (274, 22482), (303, 22560), (306, 22566), (384, 22743), (393, 22761),

Gene: Lilizi_37 Start: 31563, Stop: 32420, Start Num: 81

Candidate Starts for Lilizi_37:

(Start: 81 @31563 has 134 MA's), (100, 31602), (115, 31632), (Start: 123 @31653 has 5 MA's), (141, 31689), (152, 31719), (180, 31794), (202, 31842), (203, 31845), (208, 31869), (209, 31872), (214, 31887), (282, 32058), (327, 32172), (338, 32187), (340, 32193), (358, 32235), (359, 32238), (381, 32292), (409, 32370), (420, 32403),

Gene: Lilpickle_34 Start: 31065, Stop: 31922, Start Num: 81

Candidate Starts for Lilpickle_34:

(Start: 81 @31065 has 134 MA's), (100, 31104), (115, 31134), (Start: 123 @31155 has 5 MA's), (141, 31191), (152, 31221), (180, 31296), (202, 31344), (203, 31347), (208, 31371), (209, 31374), (214, 31389), (282, 31560), (327, 31674), (338, 31689), (340, 31695), (358, 31737), (359, 31740), (381, 31794), (409, 31872), (420, 31905),

Gene: LindNT_31 Start: 26427, Stop: 27299, Start Num: 99

Candidate Starts for LindNT_31:

(83, 26400), (Start: 99 @26427 has 152 MA's), (Start: 110 @26439 has 1 MA's), (141, 26508), (152, 26535), (165, 26565), (167, 26574), (180, 26610), (184, 26619), (194, 26652), (202, 26670), (238, 26760), (284, 26895), (295, 26922), (304, 26943), (316, 26967), (335, 27018), (362, 27120), (375, 27156), (385, 27180), (419, 27279), (421, 27288),

Gene: Linetti_51 Start: 47526, Stop: 46666, Start Num: 98

Candidate Starts for Linetti_51:

(Start: 98 @47526 has 51 MA's), (112, 47502), (Start: 137 @47448 has 2 MA's), (149, 47412), (164, 47373), (186, 47313), (190, 47295), (203, 47256), (212, 47220), (214, 47214), (271, 47043), (297, 46968), (309, 46938), (345, 46851), (392, 46749), (411, 46695), (414, 46689),

Gene: LittleCherry_8 Start: 5356, Stop: 6165, Start Num: 88

Candidate Starts for LittleCherry_8:

(Start: 88 @5356 has 23 MA's), (118, 5419), (Start: 123 @5428 has 5 MA's), (152, 5485), (169, 5533), (200, 5614), (277, 5803), (291, 5845), (316, 5902), (339, 5944), (422, 6151),

Gene: LittleMunchkin_44 Start: 38558, Stop: 39280, Start Num: 105

Candidate Starts for LittleMunchkin_44:

(55, 38360), (60, 38423), (63, 38432), (Start: 105 @38558 has 9 MA's), (171, 38717), (173, 38723), (183, 38747), (191, 38768), (197, 38783), (210, 38831), (238, 38879), (263, 38954), (290, 39023), (303, 39053), (330, 39113), (348, 39161), (391, 39260),

Gene: Livelaughbron_36 Start: 31972, Stop: 32829, Start Num: 81

Candidate Starts for Livelaughbron_36:

(Start: 81 @31972 has 134 MA's), (100, 32011), (115, 32041), (Start: 123 @32062 has 5 MA's), (141, 32098), (152, 32128), (180, 32203), (202, 32251), (203, 32254), (208, 32278), (209, 32281), (214, 32296), (282, 32467), (321, 32566), (327, 32581), (338, 32596), (340, 32602), (358, 32644), (359, 32647), (381, 32701), (409, 32779), (420, 32812),

Gene: Lizzo_49 Start: 46585, Stop: 45728, Start Num: 98

Candidate Starts for Lizzo_49:

(Start: 98 @46585 has 51 MA's), (112, 46561), (127, 46522), (Start: 137 @46507 has 2 MA's), (149, 46471), (164, 46432), (186, 46372), (190, 46354), (203, 46315), (212, 46279), (214, 46273), (271, 46102), (297, 46027), (309, 45997), (345, 45910), (374, 45835), (392, 45808), (414, 45748),

Gene: Llorens_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Llorens_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: LordFarquaad_24 Start: 19791, Stop: 20498, Start Num: 107

Candidate Starts for LordFarquaad_24:

(60, 19647), (Start: 107 @19791 has 33 MA's), (135, 19848), (149, 19887), (171, 19947), (178, 19965), (179, 19968), (187, 19986), (201, 20022), (202, 20025), (210, 20058), (215, 20076), (237, 20103), (262, 20181), (290, 20250), (303, 20280), (306, 20286), (394, 20490),

Gene: Lton_23 Start: 18736, Stop: 19437, Start Num: 107

Candidate Starts for Lton_23:

(95, 18718), (Start: 97 @18721 has 20 MA's), (Start: 107 @18736 has 33 MA's), (156, 18844), (168, 18880), (200, 18961), (208, 18994), (210, 19000), (237, 19045), (248, 19084), (303, 19222), (306, 19228), (333, 19285), (394, 19429),

Gene: Lucky10_24 Start: 19603, Stop: 20307, Start Num: 107

Candidate Starts for Lucky10_24:

(Start: 107 @19603 has 33 MA's), (135, 19660), (149, 19699), (183, 19789), (191, 19810), (193, 19813), (202, 19837), (207, 19861), (208, 19864), (213, 19879), (237, 19915), (262, 19993), (278, 20020), (294, 20071), (303, 20092), (382, 20269), (394, 20299),

Gene: Lunahalos_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Lunahalos_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: MISSy_34 Start: 31371, Stop: 32228, Start Num: 81

Candidate Starts for MISSy_34:

(Start: 81 @31371 has 134 MA's), (100, 31410), (115, 31440), (Start: 123 @31461 has 5 MA's), (141, 31497), (152, 31527), (180, 31602), (202, 31650), (203, 31653), (208, 31677), (209, 31680), (214, 31695), (282, 31866), (321, 31965), (327, 31980), (338, 31995), (340, 32001), (358, 32043), (359, 32046), (381, 32100), (409, 32178), (420, 32211),

Gene: MPhalcon_34 Start: 31364, Stop: 32221, Start Num: 81

Candidate Starts for MPhalcon_34:

(Start: 81 @31364 has 134 MA's), (100, 31403), (115, 31433), (Start: 123 @31454 has 5 MA's), (141, 31490), (152, 31520), (180, 31595), (202, 31643), (203, 31646), (208, 31670), (209, 31673), (214, 31688), (282, 31859), (327, 31973), (338, 31988), (340, 31994), (358, 32036), (359, 32039), (381, 32093), (409, 32171), (420, 32204),

Gene: MacGully_23 Start: 9496, Stop: 10359, Start Num: 124

Candidate Starts for MacGully_23:

(36, 9142), (45, 9184), (Start: 124 @9496 has 8 MA's), (153, 9559), (159, 9574), (197, 9679), (201, 9691), (206, 9712), (243, 9802), (250, 9829), (260, 9853), (270, 9883), (279, 9904), (306, 9979), (340, 10066), (358, 10111), (386, 10183), (388, 10189), (394, 10201), (423, 10282), (424, 10315), (425, 10327),

Gene: MacKat_31 Start: 26471, Stop: 27343, Start Num: 99

Candidate Starts for MacKat_31:

(83, 26444), (Start: 99 @26471 has 152 MA's), (Start: 110 @26483 has 1 MA's), (141, 26552), (152, 26579), (165, 26609), (167, 26618), (180, 26654), (184, 26663), (194, 26696), (202, 26714), (209, 26744), (237, 26801), (238, 26804), (284, 26939), (295, 26966), (304, 26987), (316, 27011), (335, 27062), (362, 27164), (375, 27200), (385, 27224), (419, 27323), (421, 27332),

Gene: MacnCheese_32 Start: 27431, Stop: 28219, Start Num: 99

Candidate Starts for MacnCheese_32:

(83, 27407), (Start: 99 @27431 has 152 MA's), (Start: 123 @27476 has 5 MA's), (141, 27512), (165, 27569), (167, 27578), (180, 27614), (202, 27668), (207, 27692), (261, 27833), (284, 27896), (295, 27938), (304, 27959), (307, 27965), (316, 27983), (358, 28013), (359, 28016), (373, 28055), (385, 28082), (412, 28154), (419, 28184),

Gene: MadamMonkfish_35 Start: 31276, Stop: 32133, Start Num: 81

Candidate Starts for MadamMonkfish_35:

(Start: 81 @31276 has 134 MA's), (100, 31315), (115, 31345), (Start: 123 @31366 has 5 MA's), (141, 31402), (152, 31432), (180, 31507), (202, 31555), (203, 31558), (208, 31582), (209, 31585), (214, 31600), (282, 31771), (327, 31885), (338, 31900), (340, 31906), (358, 31948), (359, 31951), (381, 32005), (409, 32083), (420, 32116),

Gene: MagicMan_26 Start: 21754, Stop: 22467, Start Num: 109

Candidate Starts for MagicMan_26:

(80, 21697), (Start: 109 @21754 has 13 MA's), (149, 21847), (156, 21862), (171, 21907), (202, 21985), (207, 22009), (240, 22072), (243, 22081), (271, 22156), (298, 22231), (303, 22243), (306, 22249), (364, 22384),

Gene: MakoManhole_45 Start: 37571, Stop: 38293, Start Num: 103

Candidate Starts for MakoManhole_45:

(56, 37385), (Start: 103 @37571 has 11 MA's), (148, 37664), (173, 37733), (185, 37760), (187, 37766), (237, 37880), (264, 37964), (303, 38057), (317, 38087),

Gene: MalagasyRose_31 Start: 25844, Stop: 26686, Start Num: 99

Candidate Starts for MalagasyRose_31:

(83, 25817), (Start: 99 @25844 has 152 MA's), (Start: 110 @25856 has 1 MA's), (120, 25883), (Start: 123 @25889 has 5 MA's), (139, 25919), (149, 25943), (165, 25979), (167, 25988), (180, 26024), (194, 26066), (237, 26171), (289, 26324), (295, 26336), (304, 26357), (316, 26381), (327, 26408), (331, 26417), (362, 26507), (377, 26546), (385, 26567), (419, 26666),

Gene: Malisha_30 Start: 24037, Stop: 24663, Start Num: 124

Candidate Starts for Malisha_30:

(Start: 124 @24037 has 8 MA's), (151, 24091), (161, 24118), (174, 24151), (182, 24172), (201, 24226), (205, 24244), (230, 24307), (233, 24310), (235, 24313), (245, 24343), (267, 24406), (289, 24469), (303, 24499), (358, 24631), (362, 24640),

Gene: Malthus_33 Start: 27553, Stop: 28344, Start Num: 87

Candidate Starts for Malthus_33:

(Start: 87 @27553 has 23 MA's), (Start: 110 @27586 has 1 MA's), (Start: 123 @27619 has 5 MA's), (Start: 137 @27643 has 2 MA's), (146, 27664), (165, 27712), (167, 27721), (180, 27757), (211, 27838), (284, 28045), (295, 28072), (298, 28078), (304, 28093), (316, 28117), (359, 28141), (368, 28162), (381, 28195), (385, 28207), (412, 28279),

Gene: Manda_36 Start: 32343, Stop: 33200, Start Num: 81

Candidate Starts for Manda_36:

(Start: 81 @32343 has 134 MA's), (100, 32382), (115, 32412), (Start: 123 @32433 has 5 MA's), (141, 32469), (152, 32499), (180, 32574), (202, 32622), (203, 32625), (208, 32649), (209, 32652), (214, 32667), (282, 32838), (327, 32952), (338, 32967), (340, 32973), (358, 33015), (359, 33018), (381, 33072), (409, 33150), (420, 33183),

Gene: Manilisa_49 Start: 36357, Stop: 37163, Start Num: 106

Candidate Starts for Manilisa_49:

(Start: 98 @36342 has 51 MA's), (Start: 106 @36357 has 5 MA's), (136, 36420), (175, 36525), (178, 36531), (225, 36654), (280, 36798), (312, 36879), (324, 36909), (326, 36915), (353, 36966), (405, 37092), (418, 37140),

Gene: Mariokart_42 Start: 35106, Stop: 35828, Start Num: 107

Candidate Starts for Mariokart_42:

(1, 33240), (2, 33684), (3, 33756), (4, 33807), (6, 33999), (8, 34224), (11, 34527), (Start: 107 @35106 has 33 MA's), (171, 35262), (173, 35268), (191, 35313), (200, 35337), (210, 35376), (213, 35385), (215, 35394), (237, 35421), (238, 35424), (290, 35571), (303, 35601), (306, 35607), (354, 35718), (365, 35742), (384, 35793), (391, 35808),

Gene: MarkPhew_31 Start: 25592, Stop: 26332, Start Num: 99

Candidate Starts for MarkPhew_31:

(64, 25490), (67, 25511), (77, 25544), (83, 25565), (Start: 99 @25592 has 152 MA's), (120, 25631), (Start: 123 @25637 has 5 MA's), (141, 25673), (167, 25730), (180, 25766), (194, 25808), (209, 25856), (238, 25916), (295, 26078), (307, 26105), (316, 26123), (352, 26135), (375, 26189), (385, 26213), (419, 26312), (421, 26321),

Gene: Marshawn_32 Start: 26272, Stop: 27012, Start Num: 99

Candidate Starts for Marshawn_32:

(77, 26224), (83, 26245), (Start: 99 @26272 has 152 MA's), (Start: 110 @26284 has 1 MA's), (120, 26311), (Start: 123 @26317 has 5 MA's), (141, 26353), (167, 26410), (172, 26422), (180, 26446), (194, 26488), (209, 26536), (238, 26596), (284, 26731), (295, 26758), (316, 26803), (359, 26827), (375, 26869), (383, 26890), (385, 26893), (419, 26992), (421, 27001),

Gene: Marshmallow_35 Start: 31856, Stop: 32713, Start Num: 81

Candidate Starts for Marshmallow_35:

(Start: 81 @31856 has 134 MA's), (100, 31895), (115, 31925), (Start: 123 @31946 has 5 MA's), (141, 31982), (152, 32012), (180, 32087), (202, 32135), (203, 32138), (208, 32162), (209, 32165), (214, 32180), (282, 32351), (327, 32465), (338, 32480), (340, 32486), (358, 32528), (359, 32531), (381, 32585), (409, 32663), (420, 32696),

Gene: Marteen_27 Start: 21910, Stop: 22626, Start Num: 104

Candidate Starts for Marteena_27:

(Start: 91 @21883 has 1 MA's), (Start: 92 @21886 has 1 MA's), (Start: 104 @21910 has 21 MA's), (115, 21928), (139, 21982), (171, 22066), (187, 22105), (201, 22141), (207, 22168), (237, 22222), (243, 22240), (274, 22333), (303, 22411), (306, 22417), (384, 22594), (393, 22612),

Gene: MarysWell_7 Start: 5323, Stop: 6132, Start Num: 88

Candidate Starts for MarysWell_7:

(Start: 88 @5323 has 23 MA's), (118, 5386), (Start: 123 @5395 has 5 MA's), (152, 5452), (169, 5500), (277, 5770), (291, 5812), (316, 5869), (339, 5911), (422, 6118),

Gene: Maselop_20 Start: 9989, Stop: 10885, Start Num: 124

Candidate Starts for Maselop_20:

(53, 9752), (Start: 124 @9989 has 8 MA's), (159, 10067), (190, 10154), (205, 10202), (209, 10217), (247, 10295), (258, 10340), (306, 10472), (343, 10565), (349, 10580), (388, 10679), (415, 10760), (423, 10808), (425, 10853),

Gene: Matteo_23 Start: 18653, Stop: 19369, Start Num: 104

Candidate Starts for Matteo_23:

(Start: 91 @18626 has 1 MA's), (Start: 92 @18629 has 1 MA's), (Start: 104 @18653 has 21 MA's), (115, 18671), (139, 18725), (171, 18809), (187, 18848), (201, 18884), (207, 18911), (237, 18965), (243, 18983), (262, 19046), (274, 19076), (303, 19154), (306, 19160), (395, 19361),

Gene: Maxxinista_36 Start: 31325, Stop: 32182, Start Num: 81

Candidate Starts for Maxxinista_36:

(Start: 81 @31325 has 134 MA's), (100, 31364), (115, 31394), (Start: 123 @31415 has 5 MA's), (141, 31451), (152, 31481), (180, 31556), (202, 31604), (203, 31607), (208, 31631), (209, 31634), (214, 31649), (282, 31820), (327, 31934), (338, 31949), (340, 31955), (358, 31997), (359, 32000), (381, 32054), (409, 32132), (420, 32165),

Gene: McMater_31 Start: 25850, Stop: 26611, Start Num: 99

Candidate Starts for McMater_31:

(83, 25820), (Start: 99 @25850 has 152 MA's), (Start: 123 @25895 has 5 MA's), (141, 25931), (166, 25991), (167, 25997), (178, 26027), (180, 26033), (184, 26042), (194, 26075), (207, 26117), (229, 26168), (238, 26183), (284, 26318), (295, 26345), (304, 26366), (307, 26372), (316, 26390), (359, 26423), (362, 26429), (381, 26477), (408, 26549), (419, 26591), (421, 26600),

Gene: Mdavu_27 Start: 25966, Stop: 26724, Start Num: 97

Candidate Starts for Mdavu_27:

(64, 25864), (77, 25918), (83, 25939), (Start: 97 @25966 has 20 MA's), (Start: 123 @26011 has 5 MA's), (141, 26047), (166, 26107), (167, 26113), (178, 26143), (194, 26191), (207, 26233), (238, 26299), (248, 26335), (284, 26434), (295, 26461), (304, 26482), (307, 26488), (352, 26527), (359, 26539), (362, 26545), (370, 26569), (381, 26593), (419, 26704), (421, 26713),

Gene: MeaningOfLife_31 Start: 26430, Stop: 27302, Start Num: 99

Candidate Starts for MeaningOfLife_31:

(83, 26403), (Start: 99 @26430 has 152 MA's), (Start: 110 @26442 has 1 MA's), (141, 26511), (152, 26538), (165, 26568), (167, 26577), (180, 26613), (184, 26622), (194, 26655), (202, 26673), (209, 26703), (238, 26763), (284, 26898), (295, 26925), (304, 26946), (316, 26970), (335, 27021), (362, 27123), (375, 27159), (385, 27183), (419, 27282), (421, 27291),

Gene: Megsy_31 Start: 26430, Stop: 27302, Start Num: 99

Candidate Starts for Megsy_31:

(83, 26403), (Start: 99 @26430 has 152 MA's), (Start: 110 @26442 has 1 MA's), (141, 26511), (152, 26538), (165, 26568), (167, 26577), (180, 26613), (184, 26622), (194, 26655), (202, 26673), (238, 26763), (284, 26898), (295, 26925), (304, 26946), (316, 26970), (335, 27021), (362, 27123), (375, 27159), (385, 27183), (419, 27282), (421, 27291),

Gene: Meyran_46 Start: 36292, Stop: 37098, Start Num: 106

Candidate Starts for Meyran_46:

(Start: 106 @36292 has 5 MA's), (136, 36355), (175, 36460), (178, 36466), (280, 36733), (312, 36814), (324, 36844), (326, 36850), (353, 36901), (405, 37027), (418, 37075),

Gene: Micasa_8 Start: 5324, Stop: 6133, Start Num: 88

Candidate Starts for Micasa_8:

(Start: 88 @5324 has 23 MA's), (118, 5387), (Start: 123 @5396 has 5 MA's), (152, 5453), (169, 5501), (200, 5582), (277, 5771), (291, 5813), (316, 5870), (339, 5912), (422, 6119),

Gene: Midas2_8 Start: 5323, Stop: 6132, Start Num: 88

Candidate Starts for Midas2_8:

(Start: 88 @5323 has 23 MA's), (118, 5386), (Start: 123 @5395 has 5 MA's), (152, 5452), (169, 5500), (277, 5770), (291, 5812), (316, 5869), (339, 5911), (422, 6118),

Gene: Mikronejon_31 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for Mikronejon_31:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Milcery_8 Start: 5360, Stop: 6169, Start Num: 88

Candidate Starts for Milcery_8:

(Start: 88 @5360 has 23 MA's), (118, 5423), (Start: 123 @5432 has 5 MA's), (152, 5489), (169, 5537), (200, 5618), (277, 5807), (291, 5849), (316, 5906), (339, 5948), (422, 6155),

Gene: Mindy_35 Start: 31636, Stop: 32493, Start Num: 81

Candidate Starts for Mindy_35:

(Start: 81 @31636 has 134 MA's), (100, 31675), (115, 31705), (Start: 123 @31726 has 5 MA's), (141, 31762), (152, 31792), (180, 31867), (202, 31915), (203, 31918), (208, 31942), (209, 31945), (214, 31960), (282, 32131), (327, 32245), (338, 32260), (340, 32266), (358, 32308), (359, 32311), (381, 32365), (409, 32443), (420, 32476),

Gene: Miniwave_35 Start: 32055, Stop: 32912, Start Num: 81

Candidate Starts for Miniwave_35:

(Start: 81 @32055 has 134 MA's), (100, 32094), (115, 32124), (Start: 123 @32145 has 5 MA's), (141, 32181), (152, 32211), (180, 32286), (202, 32334), (203, 32337), (208, 32361), (209, 32364), (214, 32379), (282, 32550), (327, 32664), (338, 32679), (340, 32685), (358, 32727), (359, 32730), (381, 32784), (409, 32862), (420, 32895),

Gene: MintFritos_30 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for MintFritos_30:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Miryou_30 Start: 27031, Stop: 27903, Start Num: 99

Candidate Starts for Miryou_30:

(64, 26929), (77, 26983), (Start: 99 @27031 has 152 MA's), (Start: 110 @27043 has 1 MA's), (111, 27046), (112, 27049), (Start: 123 @27076 has 5 MA's), (139, 27106), (141, 27112), (165, 27166), (167, 27175), (172, 27187), (184, 27220), (194, 27253), (209, 27301), (295, 27523), (303, 27541), (304, 27544), (331, 27604), (345, 27649), (362, 27721), (375, 27757), (377, 27760), (385, 27781), (407, 27838), (417, 27874), (419, 27883), (421, 27892),

Gene: Misfit_35 Start: 31945, Stop: 32802, Start Num: 81

Candidate Starts for Misfit_35:

(Start: 81 @31945 has 134 MA's), (100, 31984), (115, 32014), (Start: 123 @32035 has 5 MA's), (141, 32071), (152, 32101), (180, 32176), (202, 32224), (203, 32227), (208, 32251), (209, 32254), (214, 32269), (282, 32440), (327, 32554), (338, 32569), (340, 32575), (358, 32617), (359, 32620), (381, 32674), (409, 32752), (420, 32785),

Gene: MissDaisy_32 Start: 27396, Stop: 28187, Start Num: 87

Candidate Starts for MissDaisy_32:

(60, 27291), (64, 27309), (70, 27336), (73, 27357), (Start: 87 @27396 has 23 MA's), (Start: 110 @27429 has 1 MA's), (Start: 123 @27462 has 5 MA's), (149, 27516), (165, 27555), (167, 27564), (180, 27600), (184, 27609), (252, 27792), (284, 27888), (295, 27915), (304, 27936), (313, 27951), (316, 27960), (359, 27984), (381, 28038), (385, 28050), (412, 28122), (417, 28143),

Gene: Mitti_32 Start: 27554, Stop: 28345, Start Num: 87

Candidate Starts for Mitti_32:

(Start: 87 @27554 has 23 MA's), (Start: 110 @27587 has 1 MA's), (Start: 123 @27620 has 5 MA's), (Start: 137 @27644 has 2 MA's), (146, 27665), (149, 27674), (160, 27704), (165, 27713), (167, 27722), (180, 27758), (211, 27839), (284, 28046), (295, 28073), (304, 28094), (313, 28109), (316, 28118), (359, 28142), (381, 28196), (385, 28208), (412, 28280),

Gene: Mocha12_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Mocha12_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Moldemort_36 Start: 31600, Stop: 32457, Start Num: 81

Candidate Starts for Moldemort_36:

(Start: 81 @31600 has 134 MA's), (100, 31639), (115, 31669), (Start: 123 @31690 has 5 MA's), (141, 31726), (152, 31756), (180, 31831), (202, 31879), (203, 31882), (208, 31906), (209, 31909), (214, 31924), (282, 32095), (327, 32209), (338, 32224), (340, 32230), (358, 32272), (359, 32275), (381, 32329), (409, 32407), (420, 32440),

Gene: MollyToe_35 Start: 32029, Stop: 32886, Start Num: 81

Candidate Starts for MollyToe_35:

(Start: 81 @32029 has 134 MA's), (100, 32068), (115, 32098), (Start: 123 @32119 has 5 MA's), (141, 32155), (152, 32185), (180, 32260), (202, 32308), (203, 32311), (208, 32335), (209, 32338), (214, 32353), (282, 32524), (321, 32623), (327, 32638), (338, 32653), (340, 32659), (358, 32701), (359, 32704), (381, 32758), (409, 32836), (420, 32869),

Gene: Monty_48 Start: 45657, Stop: 44878, Start Num: 137

Candidate Starts for Monty_48:

(Start: 98 @45735 has 51 MA's), (112, 45711), (127, 45672), (Start: 137 @45657 has 2 MA's), (149, 45621), (164, 45582), (186, 45522), (190, 45504), (203, 45465), (212, 45429), (214, 45423), (271,

45252), (297, 45177), (309, 45147), (345, 45060), (374, 44985), (392, 44958), (414, 44898),

Gene: Moonflower_27 Start: 22646, Stop: 23239, Start Num: 156

Candidate Starts for Moonflower_27:

(Start: 104 @22538 has 21 MA's), (142, 22616), (149, 22631), (156, 22646), (183, 22721), (201, 22766), (207, 22793), (215, 22820), (237, 22847), (240, 22856), (243, 22865), (272, 22940), (274, 22946), (303, 23024), (306, 23030), (364, 23153), (374, 23183), (388, 23216),

Gene: Moosehead_23 Start: 18651, Stop: 19352, Start Num: 107

Candidate Starts for Moosehead_23:

(Start: 107 @18651 has 33 MA's), (149, 18744), (156, 18759), (168, 18795), (200, 18876), (210, 18915), (240, 18969), (248, 18999), (303, 19137), (306, 19143), (394, 19344),

Gene: Morkie_24 Start: 19442, Stop: 20146, Start Num: 103

Candidate Starts for Morkie_24:

(Start: 103 @19442 has 11 MA's), (149, 19538), (183, 19628), (191, 19649), (193, 19652), (202, 19676), (207, 19700), (208, 19703), (213, 19718), (237, 19754), (262, 19832), (278, 19859), (294, 19910), (303, 19931), (382, 20108), (394, 20138),

Gene: Mosby_34 Start: 31362, Stop: 32219, Start Num: 81

Candidate Starts for Mosby_34:

(Start: 81 @31362 has 134 MA's), (100, 31401), (115, 31431), (Start: 123 @31452 has 5 MA's), (141, 31488), (152, 31518), (180, 31593), (202, 31641), (203, 31644), (208, 31668), (209, 31671), (214, 31686), (282, 31857), (327, 31971), (338, 31986), (340, 31992), (358, 32034), (359, 32037), (381, 32091), (409, 32169), (420, 32202),

Gene: MossRose_45 Start: 37550, Stop: 38272, Start Num: 103

Candidate Starts for MossRose_45:

(56, 37364), (Start: 103 @37550 has 11 MA's), (148, 37643), (173, 37712), (185, 37739), (187, 37745), (237, 37859), (264, 37943), (303, 38036), (317, 38066),

Gene: MrMiyagi_34 Start: 30841, Stop: 31767, Start Num: 76

Candidate Starts for MrMiyagi_34:

(74, 30835), (Start: 76 @30841 has 3 MA's), (82, 30862), (86, 30868), (96, 30892), (113, 30928), (121, 30946), (Start: 137 @30973 has 2 MA's), (146, 31000), (154, 31021), (173, 31081), (180, 31099), (181, 31102), (216, 31219), (234, 31249), (236, 31252), (253, 31318), (282, 31399), (286, 31429), (310, 31486), (323, 31522), (325, 31525), (338, 31567), (339, 31570),

Gene: Msay19_54 Start: 48208, Stop: 47351, Start Num: 98

Candidate Starts for Msay19_54:

(40, 48475), (46, 48451), (Start: 98 @48208 has 51 MA's), (112, 48184), (Start: 137 @48130 has 2 MA's), (164, 48055), (186, 47995), (190, 47977), (198, 47953), (203, 47938), (212, 47902), (214, 47896), (271, 47725), (297, 47650), (309, 47620), (345, 47533), (374, 47458), (392, 47431), (414, 47371),

Gene: Murica_34 Start: 31842, Stop: 32699, Start Num: 81

Candidate Starts for Murica_34:

(Start: 81 @31842 has 134 MA's), (100, 31881), (115, 31911), (Start: 123 @31932 has 5 MA's), (141, 31968), (152, 31998), (180, 32073), (202, 32121), (203, 32124), (208, 32148), (209, 32151), (214, 32166), (282, 32337), (321, 32436), (327, 32451), (338, 32466), (340, 32472), (358, 32514), (359, 32517), (381, 32571), (409, 32649), (420, 32682),

Gene: Murphy_36 Start: 31837, Stop: 32694, Start Num: 81

Candidate Starts for Murphy_36:

(Start: 81 @31837 has 134 MA's), (100, 31876), (115, 31906), (Start: 123 @31927 has 5 MA's), (141, 31963), (152, 31993), (180, 32068), (202, 32116), (203, 32119), (208, 32143), (209, 32146), (214, 32161), (282, 32332), (327, 32446), (338, 32461), (340, 32467), (358, 32509), (359, 32512), (381, 32566), (409, 32644), (420, 32677),

Gene: Murucutumbu_31 Start: 26406, Stop: 27278, Start Num: 99

Candidate Starts for Murucutumbu_31:

(64, 26304), (83, 26379), (Start: 99 @26406 has 152 MA's), (Start: 110 @26418 has 1 MA's), (141, 26487), (152, 26514), (165, 26544), (167, 26553), (180, 26589), (184, 26598), (194, 26631), (202, 26649), (238, 26739), (284, 26874), (295, 26901), (304, 26922), (316, 26946), (335, 26997), (362, 27099), (375, 27135), (385, 27159), (419, 27258), (421, 27267),

Gene: Mynx_31 Start: 26477, Stop: 27349, Start Num: 99

Candidate Starts for Mynx_31:

(83, 26450), (Start: 99 @26477 has 152 MA's), (Start: 110 @26489 has 1 MA's), (141, 26558), (152, 26585), (165, 26615), (167, 26624), (180, 26660), (184, 26669), (194, 26702), (202, 26720), (209, 26750), (238, 26810), (284, 26945), (295, 26972), (304, 26993), (316, 27017), (335, 27068), (362, 27170), (375, 27206), (385, 27230), (419, 27329), (421, 27338),

Gene: Myrale_35 Start: 31721, Stop: 32578, Start Num: 81

Candidate Starts for Myrale_35:

(Start: 81 @31721 has 134 MA's), (100, 31760), (115, 31790), (Start: 123 @31811 has 5 MA's), (141, 31847), (152, 31877), (180, 31952), (202, 32000), (203, 32003), (208, 32027), (209, 32030), (214, 32045), (282, 32216), (327, 32330), (338, 32345), (340, 32351), (358, 32393), (359, 32396), (381, 32450), (409, 32528), (420, 32561),

Gene: NHagos_43 Start: 36157, Stop: 36879, Start Num: 103

Candidate Starts for NHagos_43:

(Start: 103 @36157 has 11 MA's), (139, 36226), (148, 36250), (171, 36313), (173, 36319), (237, 36466), (273, 36562), (274, 36565), (303, 36643), (317, 36673), (322, 36688),

Gene: NaLuna_26 Start: 21448, Stop: 22167, Start Num: 109

Candidate Starts for NaLuna_26:

(80, 21391), (Start: 109 @21448 has 13 MA's), (149, 21541), (156, 21556), (171, 21601), (191, 21652), (202, 21679), (207, 21703), (240, 21766), (243, 21775), (303, 21937), (306, 21943),

Gene: Naca_8 Start: 5264, Stop: 6073, Start Num: 88

Candidate Starts for Naca_8:

(69, 5201), (78, 5240), (Start: 88 @5264 has 23 MA's), (118, 5327), (152, 5393), (169, 5441), (277, 5711), (291, 5753), (310, 5792), (316, 5810), (329, 5840), (416, 6038),

Gene: Nala_35 Start: 31876, Stop: 32733, Start Num: 81

Candidate Starts for Nala_35:

(Start: 81 @31876 has 134 MA's), (100, 31915), (115, 31945), (Start: 123 @31966 has 5 MA's), (141, 32002), (152, 32032), (180, 32107), (202, 32155), (203, 32158), (208, 32182), (209, 32185), (214, 32200), (282, 32371), (327, 32485), (338, 32500), (340, 32506), (358, 32548), (359, 32551), (381, 32605), (409, 32683), (420, 32716),

Gene: Neighly_31 Start: 27037, Stop: 27786, Start Num: 110

Candidate Starts for Neighly_31:

(77, 26977), (Start: 97 @27025 has 20 MA's), (Start: 110 @27037 has 1 MA's), (112, 27043), (Start: 123 @27070 has 5 MA's), (141, 27106), (166, 27166), (167, 27172), (178, 27202), (180, 27208), (184,

27217), (194, 27250), (207, 27292), (208, 27295), (212, 27307), (229, 27343), (238, 27358), (248, 27394), (284, 27493), (295, 27520), (304, 27541), (362, 27604), (370, 27628), (381, 27652), (407, 27721), (419, 27766), (421, 27775),

Gene: NelitzaMV_35 Start: 31926, Stop: 32783, Start Num: 81

Candidate Starts for NelitzaMV_35:

(Start: 81 @31926 has 134 MA's), (100, 31965), (115, 31995), (Start: 123 @32016 has 5 MA's), (141, 32052), (152, 32082), (180, 32157), (202, 32205), (203, 32208), (208, 32232), (209, 32235), (214, 32250), (282, 32421), (327, 32535), (338, 32550), (340, 32556), (358, 32598), (359, 32601), (381, 32655), (409, 32733), (420, 32766),

Gene: Nergal_27 Start: 24122, Stop: 24985, Start Num: 101

Candidate Starts for Nergal_27:

(67, 24038), (77, 24071), (Start: 101 @24122 has 2 MA's), (Start: 110 @24134 has 1 MA's), (112, 24140), (Start: 123 @24167 has 5 MA's), (141, 24203), (146, 24212), (165, 24251), (167, 24260), (180, 24296), (184, 24305), (202, 24356), (238, 24446), (284, 24581), (289, 24596), (295, 24608), (304, 24629), (316, 24653), (323, 24671), (334, 24701), (362, 24806), (377, 24845), (383, 24863), (419, 24965), (421, 24974),

Gene: Nettuno_23 Start: 18707, Stop: 19408, Start Num: 107

Candidate Starts for Nettuno_23:

(95, 18692), (Start: 97 @18695 has 20 MA's), (Start: 107 @18707 has 33 MA's), (149, 18800), (156, 18815), (168, 18851), (200, 18932), (208, 18965), (210, 18971), (237, 19016), (248, 19055), (303, 19193), (306, 19199), (317, 19223), (322, 19238), (394, 19400),

Gene: Niagara_44 Start: 46720, Stop: 45893, Start Num: 98

Candidate Starts for Niagara_44:

(Start: 98 @46720 has 51 MA's), (112, 46693), (140, 46627), (176, 46534), (251, 46321), (313, 46135), (318, 46123), (367, 46012), (382, 45973), (397, 45949), (399, 45943),

Gene: Nibb_30 Start: 25727, Stop: 26467, Start Num: 99

Candidate Starts for Nibb_30:

(64, 25625), (67, 25646), (77, 25679), (83, 25700), (Start: 99 @25727 has 152 MA's), (Start: 123 @25772 has 5 MA's), (141, 25808), (167, 25865), (180, 25901), (194, 25943), (238, 26051), (295, 26213), (307, 26240), (316, 26258), (352, 26270), (359, 26282), (375, 26324), (383, 26345), (385, 26348), (419, 26447), (421, 26456),

Gene: Nikao_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Nikao_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: Niklas_31 Start: 25853, Stop: 26614, Start Num: 99

Candidate Starts for Niklas_31:

(83, 25823), (Start: 99 @25853 has 152 MA's), (Start: 123 @25898 has 5 MA's), (141, 25934), (166, 25994), (167, 26000), (178, 26030), (180, 26036), (184, 26045), (194, 26078), (207, 26120), (229, 26171), (238, 26186), (284, 26321), (295, 26348), (304, 26369), (307, 26375), (316, 26393), (359, 26426), (362, 26432), (381, 26480), (408, 26552), (419, 26594), (421, 26603),

Gene: Nimrod_35 Start: 32100, Stop: 32957, Start Num: 81

Candidate Starts for Nimrod_35:

(Start: 81 @32100 has 134 MA's), (100, 32139), (115, 32169), (Start: 123 @32190 has 5 MA's), (141, 32226), (152, 32256), (180, 32331), (202, 32379), (203, 32382), (208, 32406), (209, 32409), (214, 32424), (282, 32595), (327, 32709), (338, 32724), (340, 32730), (358, 32772), (359, 32775), (381, 32829), (409, 32907), (420, 32940),

Gene: NoSleep_36 Start: 31597, Stop: 32454, Start Num: 81

Candidate Starts for NoSleep_36:

(Start: 81 @31597 has 134 MA's), (100, 31636), (115, 31666), (Start: 123 @31687 has 5 MA's), (141, 31723), (152, 31753), (180, 31828), (202, 31876), (203, 31879), (208, 31903), (209, 31906), (214, 31921), (282, 32092), (327, 32206), (338, 32221), (340, 32227), (358, 32269), (359, 32272), (381, 32326), (409, 32404), (420, 32437),

Gene: NonchalantPear_35 Start: 31550, Stop: 32407, Start Num: 81

Candidate Starts for NonchalantPear_35:

(Start: 81 @31550 has 134 MA's), (100, 31589), (115, 31619), (Start: 123 @31640 has 5 MA's), (141, 31676), (152, 31706), (180, 31781), (202, 31829), (203, 31832), (208, 31856), (209, 31859), (214, 31874), (282, 32045), (327, 32159), (338, 32174), (340, 32180), (358, 32222), (359, 32225), (381, 32279), (409, 32357), (420, 32390),

Gene: Nova53_11 Start: 6450, Stop: 5779, Start Num: 122

Candidate Starts for Nova53_11:

(Start: 122 @6450 has 4 MA's), (131, 6435), (232, 6159), (244, 6126), (288, 6009), (302, 5976), (305, 5970), (310, 5958), (341, 5898), (351, 5877), (357, 5865), (361, 5856),

Gene: November_29 Start: 26808, Stop: 27548, Start Num: 99

Candidate Starts for November_29:

(25, 26472), (64, 26709), (67, 26730), (77, 26763), (83, 26784), (Start: 99 @26808 has 152 MA's), (Start: 110 @26820 has 1 MA's), (120, 26847), (Start: 123 @26853 has 5 MA's), (141, 26889), (165, 26937), (167, 26946), (172, 26958), (184, 26991), (194, 27024), (238, 27132), (247, 27159), (284, 27267), (295, 27294), (304, 27315), (316, 27339), (352, 27351), (358, 27360), (381, 27417), (419, 27528),

Gene: Nutello_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Nutello_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: Nyceirae_51 Start: 36282, Stop: 37091, Start Num: 106

Candidate Starts for Nyceirae_51:

(Start: 106 @36282 has 5 MA's), (136, 36345), (178, 36456), (209, 36546), (256, 36669), (280, 36726), (311, 36804), (312, 36807), (324, 36837), (326, 36843), (353, 36894), (359, 36903), (378, 36948), (405, 37020), (418, 37068),

Gene: OkiRoe_30 Start: 27047, Stop: 27919, Start Num: 99

Candidate Starts for OkiRoe_30:

(64, 26945), (77, 26999), (Start: 99 @27047 has 152 MA's), (Start: 110 @27059 has 1 MA's), (112, 27065), (Start: 123 @27092 has 5 MA's), (139, 27122), (141, 27128), (165, 27182), (167, 27191), (172, 27203), (184, 27236), (194, 27269), (209, 27317), (295, 27539), (303, 27557), (304, 27560), (331, 27620), (335, 27638), (345, 27665), (362, 27737), (368, 27752), (375, 27773), (377, 27776), (385, 27797), (417, 27890), (419, 27899), (421, 27908),

Gene: OmniCritical_32 Start: 27538, Stop: 28329, Start Num: 87

Candidate Starts for OmniCritical_32:

(Start: 87 @27538 has 23 MA's), (Start: 110 @27571 has 1 MA's), (Start: 123 @27604 has 5 MA's), (Start: 137 @27628 has 2 MA's), (146, 27649), (149, 27658), (160, 27688), (165, 27697), (167, 27706), (180, 27742), (211, 27823), (284, 28030), (295, 28057), (304, 28078), (313, 28093), (316, 28102), (359, 28126), (381, 28180), (385, 28192), (412, 28264),

Gene: Omnicron_31 Start: 25950, Stop: 26807, Start Num: 99

Candidate Starts for Omnicron_31:

(Start: 99 @25950 has 152 MA's), (Start: 110 @25962 has 1 MA's), (112, 25968), (120, 25989), (Start: 123 @25995 has 5 MA's), (139, 26025), (165, 26085), (167, 26094), (172, 26106), (184, 26139), (194, 26172), (209, 26220), (295, 26442), (304, 26463), (316, 26487), (327, 26514), (331, 26523), (332, 26526), (335, 26538), (347, 26565), (362, 26625), (363, 26628), (375, 26661), (385, 26685), (407, 26742), (419, 26787),

Gene: OneDirection_22 Start: 18679, Stop: 19380, Start Num: 107

Candidate Starts for OneDirection_22:

(Start: 97 @18664 has 20 MA's), (Start: 107 @18679 has 33 MA's), (116, 18697), (149, 18772), (156, 18787), (168, 18823), (200, 18904), (210, 18943), (237, 18988), (248, 19027), (303, 19165), (306, 19171), (317, 19195), (394, 19372),

Gene: Oogie_32 Start: 23271, Stop: 23969, Start Num: 102

Candidate Starts for Oogie_32:

(Start: 94 @23253 has 1 MA's), (Start: 102 @23271 has 14 MA's), (138, 23334), (152, 23370), (182, 23442), (189, 23463), (201, 23496), (208, 23526), (209, 23529), (215, 23550), (217, 23556), (221, 23562), (235, 23583), (271, 23688), (274, 23697), (299, 23766), (301, 23772), (316, 23808), (321, 23820), (337, 23859), (372, 23949), (376, 23961), (379, 23964),

Gene: Opie_26 Start: 21778, Stop: 22491, Start Num: 109

Candidate Starts for Opie_26:

(80, 21721), (Start: 109 @21778 has 13 MA's), (113, 21790), (149, 21871), (156, 21886), (171, 21931), (191, 21982), (207, 22033), (240, 22096), (243, 22105), (271, 22180), (298, 22255), (303, 22267), (306, 22273),

Gene: OrionPax_36 Start: 31603, Stop: 32460, Start Num: 81

Candidate Starts for OrionPax_36:

(Start: 81 @31603 has 134 MA's), (100, 31642), (115, 31672), (Start: 123 @31693 has 5 MA's), (141, 31729), (152, 31759), (180, 31834), (202, 31882), (203, 31885), (208, 31909), (209, 31912), (214, 31927), (282, 32098), (327, 32212), (338, 32227), (340, 32233), (358, 32275), (359, 32278), (381, 32332), (409, 32410), (420, 32443),

Gene: Oscar_30 Start: 25695, Stop: 26435, Start Num: 99

Candidate Starts for Oscar_30:

(64, 25593), (67, 25614), (77, 25647), (83, 25668), (Start: 99 @25695 has 152 MA's), (Start: 123 @25740 has 5 MA's), (141, 25776), (167, 25833), (180, 25869), (194, 25911), (209, 25959), (238, 26019), (284, 26154), (295, 26181), (307, 26208), (316, 26226), (359, 26250), (375, 26292), (383, 26313), (385, 26316), (419, 26415),

Gene: PCoral7_26 Start: 21477, Stop: 22187, Start Num: 104

Candidate Starts for PCoral7_26:

(Start: 104 @21477 has 21 MA's), (112, 21489), (115, 21495), (171, 21633), (183, 21663), (201, 21708), (207, 21735), (215, 21762), (243, 21813), (266, 21882), (274, 21897), (278, 21903), (285, 21933), (303, 21975), (306, 21981), (328, 22032), (364, 22104), (388, 22167),

Gene: PaddyBaddy_36 Start: 31613, Stop: 32470, Start Num: 81

Candidate Starts for PaddyBaddy_36:

(Start: 81 @31613 has 134 MA's), (100, 31652), (115, 31682), (Start: 123 @31703 has 5 MA's), (141, 31739), (152, 31769), (180, 31844), (202, 31892), (203, 31895), (208, 31919), (209, 31922), (214, 31937), (282, 32108), (327, 32222), (338, 32237), (340, 32243), (358, 32285), (359, 32288), (381, 32342), (409, 32420), (420, 32453),

Gene: Padfoot_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Padfoot_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Padpat_31 Start: 26454, Stop: 27326, Start Num: 99

Candidate Starts for Padpat_31:

(83, 26427), (Start: 99 @26454 has 152 MA's), (Start: 110 @26466 has 1 MA's), (141, 26535), (152, 26562), (165, 26592), (167, 26601), (180, 26637), (184, 26646), (194, 26679), (202, 26697), (209, 26727), (237, 26784), (238, 26787), (284, 26922), (295, 26949), (304, 26970), (316, 26994), (335, 27045), (362, 27147), (375, 27183), (404, 27255), (419, 27306), (421, 27315),

Gene: Pakusa_30 Start: 21310, Stop: 22008, Start Num: 102

Candidate Starts for Pakusa_30:

(Start: 94 @21292 has 1 MA's), (Start: 102 @21310 has 14 MA's), (138, 21373), (152, 21409), (177, 21469), (182, 21481), (189, 21502), (201, 21535), (208, 21565), (209, 21568), (215, 21589), (217, 21595), (221, 21601), (235, 21622), (271, 21727), (274, 21736), (299, 21805), (301, 21811), (316, 21847), (321, 21859), (337, 21898), (346, 21919), (372, 21988), (376, 22000), (379, 22003),

Gene: Palpatine_35 Start: 31872, Stop: 32729, Start Num: 81

Candidate Starts for Palpatine_35:

(Start: 81 @31872 has 134 MA's), (100, 31911), (115, 31941), (Start: 123 @31962 has 5 MA's), (141, 31998), (152, 32028), (180, 32103), (202, 32151), (203, 32154), (208, 32178), (209, 32181), (214, 32196), (282, 32367), (321, 32466), (327, 32481), (338, 32496), (340, 32502), (358, 32544), (359, 32547), (381, 32601), (409, 32679), (420, 32712),

Gene: Paola_30 Start: 27046, Stop: 27918, Start Num: 99

Candidate Starts for Paola_30:

(Start: 99 @27046 has 152 MA's), (Start: 110 @27058 has 1 MA's), (112, 27064), (Start: 123 @27091 has 5 MA's), (139, 27121), (141, 27127), (165, 27181), (167, 27190), (172, 27202), (184, 27235), (194, 27268), (209, 27316), (241, 27385), (295, 27538), (303, 27556), (304, 27559), (331, 27619), (335, 27637), (345, 27664), (362, 27736), (375, 27772), (377, 27775), (385, 27796), (407, 27853), (417, 27889), (419, 27898), (421, 27907),

Gene: Paperbeatsrock_37 Start: 32838, Stop: 33695, Start Num: 81

Candidate Starts for Paperbeatsrock_37:

(Start: 81 @32838 has 134 MA's), (100, 32877), (115, 32907), (Start: 123 @32928 has 5 MA's), (141, 32964), (152, 32994), (180, 33069), (202, 33117), (203, 33120), (208, 33144), (209, 33147), (214, 33162), (282, 33333), (327, 33447), (338, 33462), (340, 33468), (358, 33510), (359, 33513), (381, 33567), (409, 33645), (420, 33678),

Gene: Pat3_34 Start: 30584, Stop: 31441, Start Num: 81

Candidate Starts for Pat3_34:

(Start: 81 @30584 has 134 MA's), (100, 30623), (115, 30653), (Start: 123 @30674 has 5 MA's), (141, 30710), (152, 30740), (180, 30815), (202, 30863), (203, 30866), (208, 30890), (209, 30893), (214, 30908), (282, 31079), (327, 31193), (338, 31208), (340, 31214), (358, 31256), (359, 31259), (381, 31313), (409, 31391), (420, 31424),

Gene: PatriciaStar_25 Start: 21883, Stop: 22584, Start Num: 105

Candidate Starts for PatriciaStar_25:

(100, 21874), (Start: 105 @21883 has 9 MA's), (149, 21976), (156, 21991), (171, 22036), (183, 22066), (207, 22138), (215, 22165), (237, 22192), (240, 22201), (243, 22210), (272, 22285), (274, 22291), (290, 22339), (303, 22369), (306, 22375), (364, 22498), (388, 22561),

Gene: Patt_32 Start: 27372, Stop: 28163, Start Num: 87

Candidate Starts for Patt_32:

(60, 27267), (64, 27285), (70, 27312), (73, 27333), (Start: 87 @27372 has 23 MA's), (Start: 110 @27405 has 1 MA's), (Start: 123 @27438 has 5 MA's), (149, 27492), (165, 27531), (167, 27540), (180, 27576), (184, 27585), (252, 27768), (284, 27864), (295, 27891), (304, 27912), (313, 27927), (316, 27936), (359, 27960), (381, 28014), (385, 28026), (412, 28098), (417, 28119),

Gene: Peanam_31 Start: 25850, Stop: 26611, Start Num: 99

Candidate Starts for Peanam_31:

(83, 25820), (Start: 99 @25850 has 152 MA's), (Start: 123 @25895 has 5 MA's), (141, 25931), (166, 25991), (167, 25997), (178, 26027), (180, 26033), (184, 26042), (194, 26075), (207, 26117), (229, 26168), (238, 26183), (284, 26318), (295, 26345), (304, 26366), (307, 26372), (316, 26390), (359, 26423), (362, 26429), (381, 26477), (408, 26549), (419, 26591), (421, 26600),

Gene: Peel_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Peel_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Pepperoni_24 Start: 19528, Stop: 20244, Start Num: 104

Candidate Starts for Pepperoni_24:

(Start: 91 @19501 has 1 MA's), (Start: 92 @19504 has 1 MA's), (Start: 104 @19528 has 21 MA's), (115, 19546), (171, 19684), (187, 19723), (201, 19759), (207, 19786), (237, 19840), (243, 19858), (262, 19921), (274, 19951), (303, 20029), (306, 20035), (384, 20212), (395, 20236),

Gene: Peregrin_29 Start: 8642, Stop: 7968, Start Num: 122

Candidate Starts for Peregrin_29:

(114, 8666), (117, 8657), (Start: 122 @8642 has 4 MA's), (153, 8576), (155, 8573), (163, 8552), (173, 8519), (203, 8438), (239, 8345), (258, 8291), (275, 8252), (294, 8201), (302, 8180), (321, 8132), (357, 8060),

Gene: Petra64142_37 Start: 32318, Stop: 33175, Start Num: 81

Candidate Starts for Petra64142_37:

(Start: 81 @32318 has 134 MA's), (100, 32357), (115, 32387), (Start: 123 @32408 has 5 MA's), (141, 32444), (152, 32474), (180, 32549), (202, 32597), (203, 32600), (208, 32624), (209, 32627), (214, 32642), (282, 32813), (321, 32912), (327, 32927), (338, 32942), (340, 32948), (358, 32990), (359, 32993), (381, 33047), (409, 33125), (420, 33158),

Gene: PetterN_9 Start: 5151, Stop: 5960, Start Num: 88

Candidate Starts for PetterN_9:

(69, 5088), (78, 5127), (Start: 88 @5151 has 23 MA's), (118, 5214), (152, 5280), (158, 5295), (169, 5328), (277, 5598), (291, 5640), (310, 5679), (316, 5697), (329, 5727), (416, 5925),

Gene: Phaja_35 Start: 32034, Stop: 32891, Start Num: 81

Candidate Starts for Phaja_35:

(Start: 81 @32034 has 134 MA's), (100, 32073), (115, 32103), (Start: 123 @32124 has 5 MA's), (141, 32160), (152, 32190), (180, 32265), (202, 32313), (203, 32316), (208, 32340), (209, 32343), (214, 32358), (282, 32529), (327, 32643), (338, 32658), (340, 32664), (358, 32706), (359, 32709), (381, 32763), (409, 32841), (420, 32874),

Gene: PhaoMing_23 Start: 20071, Stop: 20694, Start Num: 126

Candidate Starts for PhaoMing_23:

(126, 20071), (132, 20080), (145, 20107), (151, 20122), (182, 20203), (213, 20302), (245, 20374), (267, 20437), (289, 20500), (299, 20521), (303, 20530), (309, 20542), (358, 20662), (362, 20671),

Gene: Pharb_30 Start: 26706, Stop: 27494, Start Num: 99

Candidate Starts for Pharb_30:

(77, 26661), (Start: 99 @26706 has 152 MA's), (Start: 123 @26751 has 5 MA's), (141, 26787), (165, 26844), (167, 26853), (180, 26889), (202, 26943), (207, 26967), (261, 27108), (284, 27171), (295, 27213), (304, 27234), (307, 27240), (316, 27258), (358, 27288), (385, 27357), (412, 27429), (419, 27459),

Gene: Pharsalus_36 Start: 32638, Stop: 33495, Start Num: 81

Candidate Starts for Pharsalus_36:

(Start: 81 @32638 has 134 MA's), (100, 32677), (115, 32707), (Start: 123 @32728 has 5 MA's), (141, 32764), (152, 32794), (180, 32869), (202, 32917), (203, 32920), (208, 32944), (209, 32947), (214, 32962), (282, 33133), (327, 33247), (338, 33262), (340, 33268), (358, 33310), (359, 33313), (381, 33367), (409, 33445), (420, 33478),

Gene: PhatBacter_35 Start: 31886, Stop: 32743, Start Num: 81

Candidate Starts for PhatBacter_35:

(Start: 81 @31886 has 134 MA's), (100, 31925), (115, 31955), (Start: 123 @31976 has 5 MA's), (141, 32012), (152, 32042), (180, 32117), (202, 32165), (203, 32168), (208, 32192), (209, 32195), (214, 32210), (282, 32381), (321, 32480), (327, 32495), (338, 32510), (340, 32516), (358, 32558), (359, 32561), (381, 32615), (409, 32693), (420, 32726),

Gene: Phaux_34 Start: 31884, Stop: 32741, Start Num: 81

Candidate Starts for Phaux_34:

(Start: 81 @31884 has 134 MA's), (100, 31923), (115, 31953), (Start: 123 @31974 has 5 MA's), (141, 32010), (152, 32040), (180, 32115), (202, 32163), (203, 32166), (208, 32190), (209, 32193), (214, 32208), (282, 32379), (321, 32478), (327, 32493), (338, 32508), (340, 32514), (358, 32556), (359, 32559), (381, 32613), (409, 32691), (420, 32724),

Gene: PhelpsODU_31 Start: 25890, Stop: 26633, Start Num: 99

Candidate Starts for PhelpsODU_31:

(83, 25863), (Start: 99 @25890 has 152 MA's), (120, 25932), (Start: 123 @25938 has 5 MA's), (141, 25974), (165, 26022), (167, 26031), (180, 26067), (194, 26109), (238, 26217), (284, 26352), (289, 26367), (295, 26379), (304, 26400), (314, 26418), (316, 26424), (381, 26502), (410, 26583), (417, 26604), (419, 26613),

Gene: Philon9_46 Start: 47751, Stop: 46924, Start Num: 98

Candidate Starts for Philon9_46:

(Start: 98 @47751 has 51 MA's), (111, 47727), (194, 47514), (262, 47307), (265, 47295), (282, 47256), (299, 47202), (323, 47139), (397, 46980),

Gene: Phishy_50 Start: 37259, Stop: 38065, Start Num: 106

Candidate Starts for Phishy_50:

(Start: 106 @37259 has 5 MA's), (136, 37322), (170, 37412), (215, 37544), (219, 37550), (222, 37553), (280, 37700), (312, 37781), (324, 37811), (326, 37817), (353, 37868), (405, 37994), (418, 38042),

Gene: PhorbesPhlower_24 Start: 19442, Stop: 20146, Start Num: 103

Candidate Starts for PhorbesPhlower_24:

(Start: 103 @19442 has 11 MA's), (149, 19538), (183, 19628), (191, 19649), (193, 19652), (202, 19676), (207, 19700), (208, 19703), (213, 19718), (237, 19754), (262, 19832), (278, 19859), (294, 19910), (303, 19931), (382, 20108), (394, 20138),

Gene: Phrank_31 Start: 25840, Stop: 26583, Start Num: 99

Candidate Starts for Phrank_31:

(83, 25813), (Start: 99 @25840 has 152 MA's), (111, 25858), (120, 25882), (Start: 123 @25888 has 5 MA's), (141, 25924), (165, 25972), (167, 25981), (180, 26017), (194, 26059), (238, 26167), (284, 26302), (289, 26317), (295, 26329), (304, 26350), (313, 26365), (314, 26368), (316, 26374), (381, 26452), (410, 26533), (417, 26554), (419, 26563),

Gene: Phrux_35 Start: 31599, Stop: 32456, Start Num: 81

Candidate Starts for Phrux_35:

(Start: 81 @31599 has 134 MA's), (100, 31638), (115, 31668), (Start: 123 @31689 has 5 MA's), (141, 31725), (152, 31755), (180, 31830), (202, 31878), (203, 31881), (208, 31905), (209, 31908), (214, 31923), (282, 32094), (321, 32193), (327, 32208), (338, 32223), (340, 32229), (358, 32271), (359, 32274), (381, 32328), (409, 32406), (420, 32439),

Gene: Piatt_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Piatt_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Pickett_23 Start: 18631, Stop: 19332, Start Num: 107

Candidate Starts for Pickett_23:

(95, 18616), (Start: 97 @18619 has 20 MA's), (Start: 107 @18631 has 33 MA's), (156, 18739), (168, 18775), (200, 18856), (210, 18895), (237, 18940), (248, 18979), (294, 19096), (303, 19117), (306, 19123), (333, 19180), (394, 19324),

Gene: PierreThree_50 Start: 47263, Stop: 46403, Start Num: 98

Candidate Starts for PierreThree_50:

(Start: 98 @47263 has 51 MA's), (112, 47239), (Start: 137 @47185 has 2 MA's), (149, 47149), (164, 47110), (186, 47050), (190, 47032), (203, 46993), (212, 46957), (214, 46951), (271, 46780), (297, 46705), (309, 46675), (345, 46588), (374, 46513), (392, 46486), (411, 46432), (414, 46426),

Gene: Pisa1_30 Start: 26501, Stop: 27361, Start Num: 110

Candidate Starts for Pisa1_30:

(83, 26462), (Start: 99 @26489 has 152 MA's), (Start: 110 @26501 has 1 MA's), (141, 26570), (152, 26597), (165, 26627), (167, 26636), (180, 26672), (184, 26681), (194, 26714), (202, 26732), (238, 26822), (284, 26957), (295, 26984), (304, 27005), (316, 27029), (335, 27080), (362, 27182), (375, 27218), (385, 27242), (419, 27341), (421, 27350),

Gene: Pisa4_30 Start: 26489, Stop: 27361, Start Num: 99

Candidate Starts for Pisa4_30:

(83, 26462), (Start: 99 @26489 has 152 MA's), (Start: 110 @26501 has 1 MA's), (141, 26570), (152, 26597), (165, 26627), (167, 26636), (180, 26672), (184, 26681), (194, 26714), (202, 26732), (238, 26822), (284, 26957), (295, 26984), (304, 27005), (316, 27029), (335, 27080), (362, 27182), (375, 27218), (385, 27242), (419, 27341), (421, 27350),

Gene: Pixie_31 Start: 26938, Stop: 27726, Start Num: 99

Candidate Starts for Pixie_31:

(83, 26914), (Start: 99 @26938 has 152 MA's), (Start: 123 @26983 has 5 MA's), (141, 27019), (165, 27076), (167, 27085), (180, 27121), (202, 27175), (207, 27199), (261, 27340), (295, 27445), (304, 27466), (307, 27472), (316, 27490), (358, 27520), (385, 27589), (412, 27661), (419, 27691),

Gene: Pokerus_30 Start: 26411, Stop: 27283, Start Num: 99

Candidate Starts for Pokerus_30:

(83, 26384), (Start: 99 @26411 has 152 MA's), (Start: 110 @26423 has 1 MA's), (141, 26492), (152, 26519), (165, 26549), (167, 26558), (180, 26594), (184, 26603), (194, 26636), (202, 26654), (209, 26684), (238, 26744), (284, 26879), (295, 26906), (304, 26927), (316, 26951), (335, 27002), (362, 27104), (375, 27140), (385, 27164), (419, 27263), (421, 27272),

Gene: PokyPuppy_49 Start: 47212, Stop: 46361, Start Num: 98

Candidate Starts for PokyPuppy_49:

(44, 47464), (47, 47440), (Start: 98 @47212 has 51 MA's), (127, 47149), (Start: 137 @47134 has 2 MA's), (149, 47098), (164, 47056), (190, 46978), (199, 46951), (212, 46903), (227, 46864), (271, 46729), (297, 46654), (309, 46624), (374, 46462), (392, 46435), (414, 46375),

Gene: Poland_54 Start: 48187, Stop: 47330, Start Num: 98

Candidate Starts for Poland_54:

(40, 48454), (46, 48430), (Start: 98 @48187 has 51 MA's), (112, 48163), (Start: 137 @48109 has 2 MA's), (164, 48034), (186, 47974), (190, 47956), (198, 47932), (203, 47917), (212, 47881), (214, 47875), (271, 47704), (297, 47629), (309, 47599), (345, 47512), (374, 47437), (392, 47410), (414, 47350),

Gene: Policronamos_35 Start: 31884, Stop: 32741, Start Num: 81

Candidate Starts for Policronamos_35:

(Start: 81 @31884 has 134 MA's), (100, 31923), (115, 31953), (Start: 123 @31974 has 5 MA's), (141, 32010), (152, 32040), (180, 32115), (202, 32163), (203, 32166), (208, 32190), (209, 32193), (214, 32208), (282, 32379), (321, 32478), (327, 32493), (338, 32508), (340, 32514), (358, 32556), (359, 32559), (381, 32613), (409, 32691), (420, 32724),

Gene: Pollux_27 Start: 21910, Stop: 22626, Start Num: 104

Candidate Starts for Pollux_27:

(Start: 91 @21883 has 1 MA's), (Start: 92 @21886 has 1 MA's), (Start: 104 @21910 has 21 MA's), (115, 21928), (139, 21982), (171, 22066), (187, 22105), (201, 22141), (207, 22168), (237, 22222), (243, 22240), (274, 22333), (303, 22411), (306, 22417), (384, 22594), (393, 22612),

Gene: Polykyu_20 Start: 9999, Stop: 10895, Start Num: 124

Candidate Starts for Polykyu_20:

(53, 9762), (Start: 124 @9999 has 8 MA's), (159, 10077), (190, 10164), (205, 10212), (209, 10227), (247, 10305), (258, 10350), (306, 10482), (343, 10575), (349, 10590), (388, 10689), (415, 10770), (423, 10818), (425, 10863),

Gene: Porky_35 Start: 31695, Stop: 32552, Start Num: 81

Candidate Starts for Porky_35:

(Start: 81 @31695 has 134 MA's), (100, 31734), (115, 31764), (Start: 123 @31785 has 5 MA's), (141, 31821), (152, 31851), (180, 31926), (202, 31974), (203, 31977), (208, 32001), (209, 32004), (214, 32019), (282, 32190), (327, 32304), (338, 32319), (340, 32325), (358, 32367), (359, 32370), (381, 32424), (409, 32502), (420, 32535),

Gene: Posh_28 Start: 22753, Stop: 23376, Start Num: 123

Candidate Starts for Posh_28:

(Start: 123 @22753 has 5 MA's), (132, 22762), (151, 22804), (165, 22840), (182, 22885), (189, 22906), (201, 22939), (213, 22984), (245, 23056), (249, 23071), (267, 23119), (283, 23164), (289, 23182), (299, 23203), (303, 23212), (325, 23266), (346, 23317), (358, 23344), (362, 23353), (363, 23356),

Gene: Prinashel1_9 Start: 5323, Stop: 6132, Start Num: 88

Candidate Starts for Prinashel1_9:

(Start: 88 @5323 has 23 MA's), (118, 5386), (Start: 123 @5395 has 5 MA's), (152, 5452), (169, 5500), (200, 5581), (277, 5770), (291, 5812), (316, 5869), (339, 5911), (422, 6118),

Gene: PrincePatrick_25 Start: 21553, Stop: 22266, Start Num: 104

Candidate Starts for PrincePatrick_25:

(95, 21538), (Start: 104 @21553 has 21 MA's), (112, 21565), (113, 21568), (115, 21571), (160, 21679), (171, 21709), (183, 21739), (201, 21784), (213, 21829), (215, 21838), (237, 21871), (243, 21889), (274, 21976), (278, 21982), (294, 22033), (303, 22054), (306, 22060), (322, 22099), (328, 22111), (364, 22183), (388, 22246),

Gene: Prithvi_31 Start: 26427, Stop: 27299, Start Num: 99

Candidate Starts for Prithvi_31:

(83, 26400), (Start: 99 @26427 has 152 MA's), (Start: 110 @26439 has 1 MA's), (141, 26508), (152, 26535), (165, 26565), (167, 26574), (180, 26610), (184, 26619), (194, 26652), (202, 26670), (238, 26760), (284, 26895), (295, 26922), (304, 26943), (316, 26967), (335, 27018), (362, 27120), (375, 27156), (385, 27180), (419, 27279), (421, 27288),

Gene: Psycho_31 Start: 27156, Stop: 27917, Start Num: 97

Candidate Starts for Psycho_31:

(77, 27108), (Start: 97 @27156 has 20 MA's), (Start: 110 @27168 has 1 MA's), (112, 27174), (Start: 123 @27201 has 5 MA's), (141, 27237), (166, 27297), (167, 27303), (178, 27333), (180, 27339), (184, 27348), (194, 27381), (207, 27423), (208, 27426), (212, 27438), (229, 27474), (238, 27489), (248, 27525), (284, 27624), (295, 27651), (304, 27672), (362, 27735), (370, 27759), (381, 27783), (407, 27852), (419, 27897), (421, 27906),

Gene: Ptowny_36 Start: 31240, Stop: 32097, Start Num: 81

Candidate Starts for Ptowny_36:

(Start: 81 @31240 has 134 MA's), (100, 31279), (115, 31309), (Start: 123 @31330 has 5 MA's), (141, 31366), (152, 31396), (180, 31471), (202, 31519), (203, 31522), (208, 31546), (209, 31549), (214, 31564), (282, 31735), (321, 31834), (327, 31849), (338, 31864), (340, 31870), (358, 31912), (359, 31915), (381, 31969), (409, 32047), (420, 32080),

Gene: Pumpkin_37 Start: 31935, Stop: 32792, Start Num: 81

Candidate Starts for Pumpkin_37:

(Start: 81 @31935 has 134 MA's), (100, 31974), (115, 32004), (Start: 123 @32025 has 5 MA's), (141, 32061), (152, 32091), (180, 32166), (202, 32214), (203, 32217), (208, 32241), (209, 32244), (214, 32259), (282, 32430), (327, 32544), (338, 32559), (340, 32565), (358, 32607), (359, 32610), (381, 32664), (409, 32742), (420, 32775),

Gene: Pytheas_28 Start: 22899, Stop: 23522, Start Num: 123

Candidate Starts for Pytheas_28:

(Start: 123 @22899 has 5 MA's), (132, 22908), (151, 22950), (165, 22986), (182, 23031), (189, 23052), (201, 23085), (213, 23130), (245, 23202), (249, 23217), (267, 23265), (283, 23310), (289, 23328), (299, 23349), (303, 23358), (325, 23412), (346, 23463), (358, 23490), (362, 23499), (363, 23502),

Gene: Qhanda_33 Start: 27649, Stop: 28440, Start Num: 87

Candidate Starts for Qhanda_33:

(Start: 87 @27649 has 23 MA's), (Start: 110 @27682 has 1 MA's), (Start: 123 @27715 has 5 MA's), (Start: 137 @27739 has 2 MA's), (146, 27760), (149, 27769), (160, 27799), (165, 27808), (167, 27817), (180, 27853), (211, 27934), (284, 28141), (295, 28168), (304, 28189), (316, 28213), (359, 28237), (381, 28291), (385, 28303), (412, 28375),

Gene: Quallification_36 Start: 32064, Stop: 32921, Start Num: 81

Candidate Starts for Quallification_36:

(Start: 81 @32064 has 134 MA's), (100, 32103), (115, 32133), (Start: 123 @32154 has 5 MA's), (141, 32190), (152, 32220), (180, 32295), (202, 32343), (203, 32346), (208, 32370), (209, 32373), (214, 32388), (282, 32559), (327, 32673), (338, 32688), (340, 32694), (358, 32736), (359, 32739), (381, 32793), (409, 32871), (420, 32904),

Gene: QuincyRose_30 Start: 26474, Stop: 27346, Start Num: 99

Candidate Starts for QuincyRose_30:

(83, 26447), (Start: 99 @26474 has 152 MA's), (Start: 110 @26486 has 1 MA's), (141, 26555), (152, 26582), (165, 26612), (167, 26621), (180, 26657), (184, 26666), (194, 26699), (202, 26717), (209, 26747), (238, 26807), (284, 26942), (295, 26969), (304, 26990), (316, 27014), (335, 27065), (362, 27167), (375, 27203), (385, 27227), (419, 27326), (421, 27335),

Gene: Rahul_17 Start: 11952, Stop: 12815, Start Num: 85

Candidate Starts for Rahul_17:

(Start: 85 @11952 has 4 MA's), (Start: 123 @12030 has 5 MA's), (125, 12033), (144, 12075), (146, 12078), (180, 12171), (183, 12177), (186, 12183), (188, 12195), (226, 12306), (259, 12399), (296, 12498), (318, 12549), (321, 12558), (341, 12594), (342, 12597),

Gene: Rakim_36 Start: 31964, Stop: 32821, Start Num: 81

Candidate Starts for Rakim_36:

(Start: 81 @31964 has 134 MA's), (100, 32003), (115, 32033), (Start: 123 @32054 has 5 MA's), (141, 32090), (152, 32120), (180, 32195), (202, 32243), (203, 32246), (208, 32270), (209, 32273), (214, 32288), (282, 32459), (327, 32573), (338, 32588), (340, 32594), (358, 32636), (359, 32639), (381, 32693), (409, 32771), (420, 32804),

Gene: Ramen_31 Start: 26460, Stop: 27332, Start Num: 99

Candidate Starts for Ramen_31:

(83, 26433), (Start: 99 @26460 has 152 MA's), (Start: 110 @26472 has 1 MA's), (141, 26541), (152, 26568), (165, 26598), (167, 26607), (180, 26643), (184, 26652), (194, 26685), (202, 26703), (209, 26733), (238, 26793), (284, 26928), (295, 26955), (304, 26976), (316, 27000), (362, 27153), (375, 27189), (419, 27312), (421, 27321),

Gene: Rando14_31 Start: 25909, Stop: 26766, Start Num: 99

Candidate Starts for Rando14_31:

(Start: 99 @25909 has 152 MA's), (Start: 110 @25921 has 1 MA's), (112, 25927), (120, 25948), (Start: 123 @25954 has 5 MA's), (139, 25984), (165, 26044), (167, 26053), (172, 26065), (184, 26098), (194, 26131), (209, 26179), (229, 26224), (261, 26311), (295, 26401), (304, 26422), (316, 26446), (327,

26473), (331, 26482), (335, 26497), (347, 26524), (362, 26584), (363, 26587), (375, 26620), (385, 26644), (407, 26701), (417, 26737), (419, 26746),

Gene: Rapunzel97_31 Start: 26461, Stop: 27333, Start Num: 99

Candidate Starts for Rapunzel97_31:

(83, 26434), (Start: 99 @26461 has 152 MA's), (Start: 110 @26473 has 1 MA's), (141, 26542), (152, 26569), (165, 26599), (167, 26608), (180, 26644), (184, 26653), (194, 26686), (202, 26704), (209, 26734), (237, 26791), (238, 26794), (284, 26929), (295, 26956), (304, 26977), (316, 27001), (335, 27052), (362, 27154), (375, 27190), (385, 27214), (419, 27313), (421, 27322),

Gene: RavenCo17_24 Start: 20690, Stop: 21409, Start Num: 109

Candidate Starts for RavenCo17_24:

(9, 19883), (10, 20024), (29, 20324), (61, 20546), (Start: 109 @20690 has 13 MA's), (139, 20756), (149, 20783), (156, 20798), (171, 20843), (191, 20894), (200, 20915), (207, 20945), (237, 20999), (240, 21008), (243, 21017), (303, 21185), (306, 21191), (348, 21293), (374, 21356),

Gene: RayTheFireFly_27 Start: 22566, Stop: 23267, Start Num: 104

Candidate Starts for RayTheFireFly_27:

(Start: 104 @22566 has 21 MA's), (116, 22584), (149, 22659), (156, 22674), (191, 22770), (194, 22776), (207, 22821), (237, 22875), (240, 22884), (243, 22893), (272, 22968), (274, 22974), (303, 23052), (306, 23058), (364, 23181), (388, 23244),

Gene: RemRem_50 Start: 45725, Stop: 44868, Start Num: 98

Candidate Starts for RemRem_50:

(Start: 98 @45725 has 51 MA's), (112, 45701), (127, 45662), (Start: 137 @45647 has 2 MA's), (149, 45611), (164, 45572), (186, 45512), (190, 45494), (203, 45455), (212, 45419), (214, 45413), (271, 45242), (297, 45167), (309, 45137), (345, 45050), (374, 44975), (392, 44948), (414, 44888),

Gene: Reptar3000_32 Start: 27365, Stop: 28156, Start Num: 87

Candidate Starts for Reptar3000_32:

(60, 27263), (64, 27281), (70, 27308), (Start: 87 @27365 has 23 MA's), (Start: 123 @27431 has 5 MA's), (Start: 137 @27455 has 2 MA's), (146, 27476), (149, 27485), (165, 27524), (167, 27533), (180, 27569), (184, 27578), (211, 27650), (284, 27857), (295, 27884), (304, 27905), (316, 27929), (381, 28007), (385, 28019), (412, 28091),

Gene: Richo_31 Start: 25850, Stop: 26611, Start Num: 99

Candidate Starts for Richo_31:

(83, 25820), (Start: 99 @25850 has 152 MA's), (Start: 123 @25895 has 5 MA's), (141, 25931), (166, 25991), (167, 25997), (178, 26027), (180, 26033), (184, 26042), (194, 26075), (207, 26117), (229, 26168), (238, 26183), (284, 26318), (295, 26345), (304, 26366), (307, 26372), (316, 26390), (359, 26423), (362, 26429), (381, 26477), (408, 26549), (419, 26591), (421, 26600),

Gene: Rimmer_34 Start: 31424, Stop: 32281, Start Num: 81

Candidate Starts for Rimmer_34:

(Start: 81 @31424 has 134 MA's), (100, 31463), (115, 31493), (Start: 123 @31514 has 5 MA's), (141, 31550), (152, 31580), (180, 31655), (202, 31703), (203, 31706), (208, 31730), (209, 31733), (214, 31748), (282, 31919), (321, 32018), (327, 32033), (338, 32048), (340, 32054), (358, 32096), (359, 32099), (381, 32153), (409, 32231), (420, 32264),

Gene: RiverMonster_35 Start: 31613, Stop: 32470, Start Num: 81

Candidate Starts for RiverMonster_35:

(Start: 81 @31613 has 134 MA's), (100, 31652), (115, 31682), (Start: 123 @31703 has 5 MA's), (141, 31739), (152, 31769), (180, 31844), (202, 31892), (203, 31895), (208, 31919), (209, 31922), (214,

31937), (282, 32108), (327, 32222), (338, 32237), (340, 32243), (358, 32285), (359, 32288), (381, 32342), (409, 32420), (420, 32453),

Gene: Rosmarinus_31 Start: 26482, Stop: 27354, Start Num: 99

Candidate Starts for Rosmarinus_31:

(29, 26152), (64, 26380), (83, 26455), (Start: 99 @26482 has 152 MA's), (Start: 110 @26494 has 1 MA's), (141, 26563), (152, 26590), (165, 26620), (167, 26629), (180, 26665), (184, 26674), (194, 26707), (202, 26725), (209, 26755), (238, 26815), (284, 26950), (295, 26977), (304, 26998), (316, 27022), (335, 27073), (362, 27175), (375, 27211), (385, 27235), (419, 27334), (421, 27343),

Gene: RoyalG_50 Start: 46557, Stop: 45703, Start Num: 98

Candidate Starts for RoyalG_50:

(Start: 98 @46557 has 51 MA's), (112, 46533), (Start: 137 @46479 has 2 MA's), (164, 46401), (190, 46323), (194, 46311), (212, 46248), (214, 46242), (223, 46218), (227, 46212), (271, 46077), (297, 46002), (318, 45948),

Gene: Ruthiejr_33 Start: 27519, Stop: 28310, Start Num: 87

Candidate Starts for Ruthiejr_33:

(Start: 87 @27519 has 23 MA's), (Start: 110 @27552 has 1 MA's), (Start: 123 @27585 has 5 MA's), (Start: 137 @27609 has 2 MA's), (146, 27630), (149, 27639), (160, 27669), (165, 27678), (167, 27687), (180, 27723), (211, 27804), (284, 28011), (295, 28038), (304, 28059), (313, 28074), (316, 28083), (359, 28107), (381, 28161), (385, 28173), (412, 28245),

Gene: Sahara_23 Start: 19470, Stop: 20177, Start Num: 107

Candidate Starts for Sahara_23:

(60, 19326), (Start: 107 @19470 has 33 MA's), (135, 19527), (149, 19566), (171, 19626), (178, 19644), (179, 19647), (187, 19665), (201, 19701), (210, 19737), (215, 19755), (238, 19785), (262, 19860), (303, 19959), (306, 19965), (394, 20169),

Gene: Saints25_36 Start: 31516, Stop: 32373, Start Num: 81

Candidate Starts for Saints25_36:

(Start: 81 @31516 has 134 MA's), (100, 31555), (115, 31585), (Start: 123 @31606 has 5 MA's), (141, 31642), (152, 31672), (180, 31747), (202, 31795), (203, 31798), (208, 31822), (209, 31825), (214, 31840), (282, 32011), (327, 32125), (338, 32140), (340, 32146), (358, 32188), (359, 32191), (381, 32245), (409, 32323), (420, 32356),

Gene: Sam12_49 Start: 45725, Stop: 44868, Start Num: 98

Candidate Starts for Sam12_49:

(Start: 98 @45725 has 51 MA's), (112, 45701), (127, 45662), (Start: 137 @45647 has 2 MA's), (149, 45611), (164, 45572), (186, 45512), (190, 45494), (203, 45455), (212, 45419), (214, 45413), (271, 45242), (297, 45167), (309, 45137), (345, 45050), (374, 44975), (392, 44948), (414, 44888),

Gene: SamScheppers_32 Start: 28032, Stop: 28823, Start Num: 87

Candidate Starts for SamScheppers_32:

(Start: 87 @28032 has 23 MA's), (Start: 110 @28065 has 1 MA's), (Start: 123 @28098 has 5 MA's), (Start: 137 @28122 has 2 MA's), (146, 28143), (149, 28152), (160, 28182), (165, 28191), (167, 28200), (180, 28236), (211, 28317), (284, 28524), (295, 28551), (304, 28572), (313, 28587), (316, 28596), (359, 28620), (381, 28674), (385, 28686), (412, 28758),

Gene: SamuelLPlaqson_31 Start: 26382, Stop: 27254, Start Num: 99

Candidate Starts for SamuelLPlaqson_31:

(64, 26280), (83, 26355), (Start: 99 @26382 has 152 MA's), (Start: 110 @26394 has 1 MA's), (141, 26463), (152, 26490), (165, 26520), (167, 26529), (180, 26565), (184, 26574), (194, 26607), (202,

26625), (238, 26715), (284, 26850), (295, 26877), (304, 26898), (316, 26922), (335, 26973), (362, 27075), (375, 27111), (385, 27135), (419, 27234), (421, 27243),

Gene: Sassay_34 Start: 31362, Stop: 32219, Start Num: 81

Candidate Starts for Sassay_34:

(Start: 81 @31362 has 134 MA's), (100, 31401), (115, 31431), (Start: 123 @31452 has 5 MA's), (141, 31488), (152, 31518), (180, 31593), (202, 31641), (203, 31644), (208, 31668), (209, 31671), (214, 31686), (282, 31857), (327, 31971), (338, 31986), (340, 31992), (358, 32034), (359, 32037), (381, 32091), (409, 32169), (420, 32202),

Gene: Savage_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Savage_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: ScarletRaider_30 Start: 24488, Stop: 25168, Start Num: 102

Candidate Starts for ScarletRaider_30:

(Start: 102 @24488 has 14 MA's), (138, 24545), (189, 24662), (201, 24695), (208, 24725), (209, 24728), (215, 24749), (217, 24755), (228, 24773), (239, 24794), (262, 24863), (271, 24887), (279, 24905), (283, 24926), (321, 25019), (325, 25028), (346, 25079), (372, 25148), (379, 25163),

Gene: Scarlett_30 Start: 25696, Stop: 26436, Start Num: 99

Candidate Starts for Scarlett_30:

(83, 25669), (Start: 99 @25696 has 152 MA's), (Start: 123 @25741 has 5 MA's), (141, 25777), (167, 25834), (180, 25870), (194, 25912), (209, 25960), (238, 26020), (284, 26155), (295, 26182), (307, 26209), (316, 26227), (359, 26251), (375, 26293), (383, 26314), (385, 26317), (419, 26416),

Gene: Schnabeltier_26 Start: 21755, Stop: 22468, Start Num: 109

Candidate Starts for Schnabeltier_26:

(80, 21698), (Start: 109 @21755 has 13 MA's), (149, 21848), (156, 21863), (171, 21908), (202, 21986), (207, 22010), (240, 22073), (243, 22082), (271, 22157), (298, 22232), (303, 22244), (306, 22250), (364, 22385),

Gene: Schomber_30 Start: 21318, Stop: 22016, Start Num: 102

Candidate Starts for Schomber_30:

(Start: 94 @21300 has 1 MA's), (Start: 102 @21318 has 14 MA's), (138, 21381), (152, 21417), (177, 21477), (182, 21489), (189, 21510), (201, 21543), (208, 21573), (209, 21576), (215, 21597), (217, 21603), (221, 21609), (235, 21630), (271, 21735), (274, 21744), (299, 21813), (301, 21819), (316, 21855), (321, 21867), (337, 21906), (346, 21927), (372, 21996), (376, 22008), (379, 22011),

Gene: Scorpia_9 Start: 5152, Stop: 5961, Start Num: 88

Candidate Starts for Scorpia_9:

(69, 5089), (78, 5128), (Start: 88 @5152 has 23 MA's), (118, 5215), (152, 5281), (158, 5296), (169, 5329), (277, 5599), (291, 5641), (310, 5680), (316, 5698), (329, 5728), (416, 5926),

Gene: SgtBeansprout_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for SgtBeansprout_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: Shadow1_30 Start: 25713, Stop: 26456, Start Num: 99

Candidate Starts for Shadow1_30:

(64, 25611), (67, 25632), (77, 25665), (83, 25686), (Start: 99 @25713 has 152 MA's), (120, 25755), (Start: 123 @25761 has 5 MA's), (141, 25797), (165, 25845), (167, 25854), (180, 25890), (194, 25932), (238, 26040), (284, 26175), (289, 26190), (295, 26202), (304, 26223), (313, 26238), (316, 26247), (352, 26259), (381, 26325), (410, 26406), (417, 26427), (419, 26436),

Gene: ShamWow_35 Start: 31858, Stop: 32715, Start Num: 81

Candidate Starts for ShamWow_35:

(Start: 81 @31858 has 134 MA's), (100, 31897), (115, 31927), (Start: 123 @31948 has 5 MA's), (141, 31984), (152, 32014), (180, 32089), (202, 32137), (203, 32140), (208, 32164), (209, 32167), (214, 32182), (282, 32353), (321, 32452), (327, 32467), (338, 32482), (340, 32488), (358, 32530), (359, 32533), (381, 32587), (409, 32665), (420, 32698),

Gene: Shaobing_31 Start: 25850, Stop: 26611, Start Num: 99

Candidate Starts for Shaobing_31:

(83, 25820), (Start: 99 @25850 has 152 MA's), (Start: 123 @25895 has 5 MA's), (141, 25931), (166, 25991), (167, 25997), (178, 26027), (180, 26033), (184, 26042), (194, 26075), (207, 26117), (229, 26168), (238, 26183), (284, 26318), (295, 26345), (304, 26366), (307, 26372), (316, 26390), (359, 26423), (362, 26429), (381, 26477), (408, 26549), (419, 26591), (421, 26600),

Gene: Shatter_42 Start: 35273, Stop: 35995, Start Num: 107

Candidate Starts for Shatter_42:

(18, 34883), (48, 35060), (63, 35168), (Start: 107 @35273 has 33 MA's), (173, 35435), (191, 35480), (210, 35543), (215, 35561), (237, 35588), (262, 35666), (263, 35669), (290, 35738), (303, 35768), (306, 35774), (386, 35963),

Gene: ShedlockHolmes_32 Start: 27460, Stop: 28248, Start Num: 99

Candidate Starts for ShedlockHolmes_32:

(83, 27436), (Start: 99 @27460 has 152 MA's), (Start: 123 @27505 has 5 MA's), (141, 27541), (165, 27598), (167, 27607), (180, 27643), (202, 27697), (207, 27721), (261, 27862), (284, 27925), (295, 27967), (304, 27988), (307, 27994), (316, 28012), (358, 28042), (385, 28111), (412, 28183), (419, 28213),

Gene: ShereKhan_37 Start: 32841, Stop: 33698, Start Num: 81

Candidate Starts for ShereKhan_37:

(Start: 81 @32841 has 134 MA's), (100, 32880), (115, 32910), (Start: 123 @32931 has 5 MA's), (141, 32967), (152, 32997), (180, 33072), (202, 33120), (203, 33123), (208, 33147), (209, 33150), (214, 33165), (282, 33336), (327, 33450), (338, 33465), (340, 33471), (358, 33513), (359, 33516), (381, 33570), (409, 33648), (420, 33681),

Gene: ShiaSurprise_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for ShiaSurprise_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Simpliphy_36 Start: 31603, Stop: 32460, Start Num: 81

Candidate Starts for Simpliphy_36:

(Start: 81 @31603 has 134 MA's), (100, 31642), (115, 31672), (Start: 123 @31693 has 5 MA's), (141, 31729), (152, 31759), (180, 31834), (202, 31882), (203, 31885), (208, 31909), (209, 31912), (214, 31927), (282, 32098), (327, 32212), (338, 32227), (340, 32233), (358, 32275), (359, 32278), (381,

32332), (409, 32410), (420, 32443),

Gene: SirDuracell_34 Start: 30523, Stop: 31380, Start Num: 81

Candidate Starts for SirDuracell_34:

(Start: 81 @30523 has 134 MA's), (100, 30562), (115, 30592), (Start: 123 @30613 has 5 MA's), (141, 30649), (152, 30679), (180, 30754), (202, 30802), (203, 30805), (208, 30829), (209, 30832), (214, 30847), (282, 31018), (327, 31132), (338, 31147), (340, 31153), (358, 31195), (359, 31198), (381, 31252), (409, 31330), (420, 31363),

Gene: SirPhilip_30 Start: 25363, Stop: 26103, Start Num: 99

Candidate Starts for SirPhilip_30:

(Start: 99 @25363 has 152 MA's), (Start: 123 @25408 has 5 MA's), (141, 25444), (165, 25492), (167, 25501), (184, 25546), (194, 25579), (212, 25636), (237, 25684), (238, 25687), (261, 25759), (284, 25822), (289, 25837), (295, 25849), (314, 25888), (316, 25894), (375, 25960), (419, 26083), (421, 26092),

Gene: Sisko_42 Start: 36073, Stop: 36798, Start Num: 105

Candidate Starts for Sisko_42:

(55, 35875), (63, 35947), (Start: 105 @36073 has 9 MA's), (111, 36082), (171, 36232), (173, 36238), (183, 36262), (187, 36271), (191, 36283), (197, 36298), (208, 36340), (215, 36364), (238, 36394), (268, 36478), (290, 36541), (300, 36565), (303, 36571), (382, 36754), (384, 36763),

Gene: Slarp_32 Start: 27640, Stop: 28431, Start Num: 87

Candidate Starts for Slarp_32:

(Start: 87 @27640 has 23 MA's), (Start: 110 @27673 has 1 MA's), (Start: 123 @27706 has 5 MA's), (Start: 137 @27730 has 2 MA's), (146, 27751), (149, 27760), (160, 27790), (165, 27799), (167, 27808), (180, 27844), (211, 27925), (284, 28132), (295, 28159), (304, 28180), (316, 28204), (359, 28228), (381, 28282), (385, 28294), (412, 28366),

Gene: Slimphazie_31 Start: 26461, Stop: 27333, Start Num: 99

Candidate Starts for Slimphazie_31:

(83, 26434), (Start: 99 @26461 has 152 MA's), (Start: 110 @26473 has 1 MA's), (141, 26542), (152, 26569), (165, 26599), (167, 26608), (180, 26644), (184, 26653), (194, 26686), (202, 26704), (209, 26734), (237, 26791), (238, 26794), (284, 26929), (295, 26956), (304, 26977), (316, 27001), (335, 27052), (362, 27154), (375, 27190), (385, 27214), (419, 27313), (421, 27322),

Gene: SoSeph_30 Start: 27195, Stop: 28064, Start Num: 99

Candidate Starts for SoSeph_30:

(64, 27093), (77, 27147), (Start: 99 @27195 has 152 MA's), (Start: 110 @27207 has 1 MA's), (112, 27213), (Start: 123 @27240 has 5 MA's), (139, 27270), (141, 27276), (165, 27330), (167, 27339), (172, 27351), (184, 27384), (194, 27417), (209, 27465), (231, 27513), (261, 27597), (295, 27687), (303, 27705), (304, 27708), (332, 27771), (335, 27786), (345, 27810), (362, 27882), (375, 27918), (377, 27921), (385, 27942), (407, 27999), (417, 28035), (419, 28044), (421, 28053),

Gene: SoilAssassin_24 Start: 19791, Stop: 20498, Start Num: 107

Candidate Starts for SoilAssassin_24:

(60, 19647), (Start: 107 @19791 has 33 MA's), (135, 19848), (149, 19887), (171, 19947), (178, 19965), (179, 19968), (187, 19986), (201, 20022), (202, 20025), (210, 20058), (215, 20076), (237, 20103), (262, 20181), (290, 20250), (303, 20280), (306, 20286), (394, 20490),

Gene: Sombrero_50 Start: 46098, Stop: 45244, Start Num: 98

Candidate Starts for Sombrero_50:

(40, 46365), (46, 46341), (Start: 98 @46098 has 51 MA's), (112, 46074), (Start: 137 @46020 has 2 MA's), (164, 45945), (186, 45885), (190, 45867), (198, 45843), (203, 45828), (212, 45792), (214, 45786), (271, 45618), (287, 45567), (288, 45561), (297, 45543), (345, 45426), (374, 45351), (392, 45324), (396, 45315), (414, 45264),

Gene: SophKB_35 Start: 31857, Stop: 32714, Start Num: 81

Candidate Starts for SophKB_35:

(Start: 81 @31857 has 134 MA's), (100, 31896), (115, 31926), (Start: 123 @31947 has 5 MA's), (141, 31983), (152, 32013), (180, 32088), (202, 32136), (203, 32139), (208, 32163), (209, 32166), (214, 32181), (282, 32352), (327, 32466), (338, 32481), (340, 32487), (358, 32529), (359, 32532), (381, 32586), (409, 32664), (420, 32697),

Gene: Sotrice96_35 Start: 31812, Stop: 32669, Start Num: 81

Candidate Starts for Sotrice96_35:

(Start: 81 @31812 has 134 MA's), (100, 31851), (115, 31881), (Start: 123 @31902 has 5 MA's), (141, 31938), (152, 31968), (180, 32043), (202, 32091), (203, 32094), (208, 32118), (209, 32121), (214, 32136), (282, 32307), (327, 32421), (338, 32436), (340, 32442), (358, 32484), (359, 32487), (381, 32541), (409, 32619), (420, 32652),

Gene: Sour_47 Start: 39940, Stop: 40659, Start Num: 105

Candidate Starts for Sour_47:

(63, 39817), (Start: 105 @39940 has 9 MA's), (112, 39949), (139, 40009), (171, 40096), (173, 40102), (183, 40126), (191, 40147), (200, 40171), (202, 40177), (208, 40204), (210, 40210), (215, 40228), (237, 40255), (238, 40258), (290, 40402), (303, 40432), (374, 40600), (391, 40639),

Gene: Spock_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Spock_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Sproutie_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Sproutie_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Squibbles_49 Start: 46510, Stop: 45731, Start Num: 137

Candidate Starts for Squibbles_49:

(Start: 98 @46588 has 51 MA's), (112, 46564), (127, 46525), (Start: 137 @46510 has 2 MA's), (149, 46474), (164, 46435), (186, 46375), (190, 46357), (203, 46318), (212, 46282), (214, 46276), (271, 46105), (297, 46030), (309, 46000), (345, 45913), (374, 45838), (392, 45811), (414, 45751),

Gene: Stank_38 Start: 32364, Stop: 33221, Start Num: 81

Candidate Starts for Stank_38:

(Start: 81 @32364 has 134 MA's), (100, 32403), (115, 32433), (Start: 123 @32454 has 5 MA's), (141, 32490), (152, 32520), (180, 32595), (202, 32643), (203, 32646), (208, 32670), (209, 32673), (214, 32688), (282, 32859), (327, 32973), (338, 32988), (340, 32994), (358, 33036), (359, 33039), (381, 33093), (409, 33171), (420, 33204),

Gene: Stark_36 Start: 31616, Stop: 32473, Start Num: 81

Candidate Starts for Stark_36:

(Start: 81 @31616 has 134 MA's), (100, 31655), (115, 31685), (Start: 123 @31706 has 5 MA's), (141, 31742), (152, 31772), (180, 31847), (202, 31895), (203, 31898), (208, 31922), (209, 31925), (214, 31940), (282, 32111), (327, 32225), (338, 32240), (340, 32246), (358, 32288), (359, 32291), (381, 32345), (409, 32423), (420, 32456),

Gene: StellaBean_35 Start: 31857, Stop: 32714, Start Num: 81

Candidate Starts for StellaBean_35:

(Start: 81 @31857 has 134 MA's), (100, 31896), (115, 31926), (Start: 123 @31947 has 5 MA's), (141, 31983), (152, 32013), (180, 32088), (202, 32136), (203, 32139), (208, 32163), (209, 32166), (214, 32181), (282, 32352), (327, 32466), (338, 32481), (340, 32487), (358, 32529), (359, 32532), (381, 32586), (409, 32664), (420, 32697),

Gene: SteveFrench_49 Start: 46797, Stop: 45943, Start Num: 98

Candidate Starts for SteveFrench_49:

(Start: 98 @46797 has 51 MA's), (112, 46773), (Start: 137 @46719 has 2 MA's), (164, 46641), (190, 46563), (194, 46551), (212, 46488), (214, 46482), (223, 46458), (227, 46452), (271, 46317), (297, 46242), (318, 46188),

Gene: Stinson_32 Start: 26696, Stop: 27568, Start Num: 99

Candidate Starts for Stinson_32:

(83, 26669), (Start: 99 @26696 has 152 MA's), (Start: 110 @26708 has 1 MA's), (141, 26777), (152, 26804), (165, 26834), (167, 26843), (180, 26879), (184, 26888), (194, 26921), (202, 26939), (238, 27029), (284, 27164), (295, 27191), (304, 27212), (316, 27236), (335, 27287), (362, 27389), (375, 27425), (385, 27449), (419, 27548), (421, 27557),

Gene: StolenFromERC_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for StolenFromERC_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: StormChicken_35 Start: 32032, Stop: 32889, Start Num: 81

Candidate Starts for StormChicken_35:

(Start: 81 @32032 has 134 MA's), (100, 32071), (115, 32101), (Start: 123 @32122 has 5 MA's), (141, 32158), (152, 32188), (180, 32263), (202, 32311), (203, 32314), (208, 32338), (209, 32341), (214, 32356), (282, 32527), (321, 32626), (327, 32641), (338, 32656), (340, 32662), (358, 32704), (359, 32707), (381, 32761), (409, 32839), (420, 32872),

Gene: Sulley_31 Start: 26427, Stop: 27299, Start Num: 99

Candidate Starts for Sulley_31:

(29, 26097), (64, 26325), (83, 26400), (Start: 99 @26427 has 152 MA's), (Start: 110 @26439 has 1 MA's), (141, 26508), (152, 26535), (165, 26565), (167, 26574), (180, 26610), (184, 26619), (194, 26652), (202, 26670), (209, 26700), (238, 26760), (284, 26895), (295, 26922), (304, 26943), (316, 26967), (335, 27018), (362, 27120), (375, 27156), (385, 27180), (419, 27279), (421, 27288),

Gene: Sunflower1121_30 Start: 25725, Stop: 26468, Start Num: 99

Candidate Starts for Sunflower1121_30:

(64, 25623), (67, 25644), (77, 25677), (83, 25698), (Start: 99 @25725 has 152 MA's), (120, 25767), (Start: 123 @25773 has 5 MA's), (141, 25809), (165, 25857), (167, 25866), (180, 25902), (194, 25944), (238, 26052), (284, 26187), (289, 26202), (295, 26214), (304, 26235), (313, 26250), (316, 26259), (352, 26271), (381, 26337), (410, 26418), (417, 26439), (419, 26448),

Gene: Swirley_8 Start: 5325, Stop: 6134, Start Num: 88

Candidate Starts for Swirley_8:

(Start: 88 @5325 has 23 MA's), (118, 5388), (Start: 123 @5397 has 5 MA's), (152, 5454), (169, 5502), (200, 5583), (277, 5772), (291, 5814), (316, 5871), (339, 5913), (422, 6120),

Gene: Syra333_31 Start: 25735, Stop: 26478, Start Num: 99

Candidate Starts for Syra333_31:

(83, 25708), (Start: 99 @25735 has 152 MA's), (120, 25777), (Start: 123 @25783 has 5 MA's), (141, 25819), (165, 25867), (167, 25876), (180, 25912), (194, 25954), (238, 26062), (284, 26197), (289, 26212), (295, 26224), (304, 26245), (313, 26260), (316, 26269), (352, 26281), (410, 26428), (417, 26449), (419, 26458),

Gene: TBond007_31 Start: 26937, Stop: 27725, Start Num: 99

Candidate Starts for TBond007_31:

(83, 26913), (Start: 99 @26937 has 152 MA's), (Start: 123 @26982 has 5 MA's), (141, 27018), (165, 27075), (167, 27084), (180, 27120), (202, 27174), (207, 27198), (261, 27339), (284, 27402), (295, 27444), (304, 27465), (307, 27471), (316, 27489), (358, 27519), (385, 27588), (412, 27660), (419, 27690),

Gene: TBrady12_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for TBrady12_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: TClif_32 Start: 26185, Stop: 27048, Start Num: 101

Candidate Starts for TClif_32:

(64, 26083), (67, 26104), (77, 26137), (83, 26158), (Start: 101 @26185 has 2 MA's), (Start: 110 @26197 has 1 MA's), (Start: 123 @26230 has 5 MA's), (141, 26266), (165, 26314), (167, 26323), (184, 26368), (194, 26401), (229, 26494), (238, 26509), (284, 26644), (295, 26671), (304, 26692), (316, 26716), (325, 26737), (359, 26863), (362, 26869), (377, 26908), (419, 27028), (421, 27037),

Gene: Tachez_31 Start: 26423, Stop: 27295, Start Num: 99

Candidate Starts for Tachez_31:

(83, 26396), (Start: 99 @26423 has 152 MA's), (Start: 110 @26435 has 1 MA's), (141, 26504), (152, 26531), (165, 26561), (167, 26570), (180, 26606), (184, 26615), (194, 26648), (202, 26666), (209, 26696), (237, 26753), (238, 26756), (284, 26891), (295, 26918), (304, 26939), (316, 26963), (335, 27014), (362, 27116), (375, 27152), (385, 27176), (419, 27275), (421, 27284),

Gene: TaiwanKao_32 Start: 26427, Stop: 27299, Start Num: 99

Candidate Starts for TaiwanKao_32:

(83, 26400), (Start: 99 @26427 has 152 MA's), (Start: 110 @26439 has 1 MA's), (141, 26508), (152, 26535), (165, 26565), (167, 26574), (180, 26610), (184, 26619), (194, 26652), (202, 26670), (238, 26760), (284, 26895), (295, 26922), (304, 26943), (316, 26967), (335, 27018), (350, 27069), (362, 27120), (375, 27156), (385, 27180), (419, 27279), (421, 27288),

Gene: Taquito_32 Start: 28079, Stop: 28870, Start Num: 87

Candidate Starts for Taquito_32:

(Start: 87 @28079 has 23 MA's), (Start: 110 @28112 has 1 MA's), (Start: 123 @28145 has 5 MA's), (Start: 137 @28169 has 2 MA's), (146, 28190), (149, 28199), (160, 28229), (165, 28238), (167, 28247), (180, 28283), (211, 28364), (284, 28571), (295, 28598), (304, 28619), (313, 28634), (316, 28643), (359, 28667), (381, 28721), (385, 28733), (412, 28805),

Gene: Tarkin_37 Start: 32847, Stop: 33704, Start Num: 81

Candidate Starts for Tarkin_37:

(Start: 81 @32847 has 134 MA's), (100, 32886), (115, 32916), (Start: 123 @32937 has 5 MA's), (141, 32973), (152, 33003), (180, 33078), (202, 33126), (203, 33129), (208, 33153), (209, 33156), (214, 33171), (282, 33342), (327, 33456), (338, 33471), (340, 33477), (358, 33519), (359, 33522), (381, 33576), (409, 33654), (420, 33687),

Gene: TaronosaurusRx_26 Start: 21786, Stop: 22499, Start Num: 109

Candidate Starts for TaronosaurusRx_26:

(80, 21729), (84, 21738), (Start: 109 @21786 has 13 MA's), (139, 21852), (149, 21879), (156, 21894), (171, 21939), (191, 21990), (202, 22017), (207, 22041), (240, 22104), (243, 22113), (271, 22188), (298, 22263), (303, 22275), (306, 22281), (348, 22383),

Gene: Tarynearal_7 Start: 5352, Stop: 6161, Start Num: 88

Candidate Starts for Tarynearal_7:

(Start: 88 @5352 has 23 MA's), (118, 5415), (Start: 123 @5424 has 5 MA's), (152, 5481), (169, 5529), (200, 5610), (277, 5799), (291, 5841), (316, 5898), (339, 5940), (422, 6147),

Gene: TeamEdward_35 Start: 32029, Stop: 32886, Start Num: 81

Candidate Starts for TeamEdward_35:

(Start: 81 @32029 has 134 MA's), (100, 32068), (115, 32098), (Start: 123 @32119 has 5 MA's), (141, 32155), (152, 32185), (180, 32260), (202, 32308), (203, 32311), (208, 32335), (209, 32338), (214, 32353), (282, 32524), (321, 32623), (327, 32638), (338, 32653), (340, 32659), (358, 32701), (359, 32704), (381, 32758), (409, 32836), (420, 32869),

Gene: TeardropMSU_34 Start: 31758, Stop: 32615, Start Num: 81

Candidate Starts for TeardropMSU_34:

(Start: 81 @31758 has 134 MA's), (100, 31797), (115, 31827), (Start: 123 @31848 has 5 MA's), (141, 31884), (152, 31914), (180, 31989), (202, 32037), (203, 32040), (208, 32064), (209, 32067), (214, 32082), (282, 32253), (327, 32367), (338, 32382), (340, 32388), (358, 32430), (359, 32433), (381, 32487), (409, 32565), (420, 32598),

Gene: Teaspoon_36 Start: 31811, Stop: 32668, Start Num: 81

Candidate Starts for Teaspoon_36:

(Start: 81 @31811 has 134 MA's), (100, 31850), (115, 31880), (Start: 123 @31901 has 5 MA's), (141, 31937), (152, 31967), (180, 32042), (202, 32090), (203, 32093), (208, 32117), (209, 32120), (214, 32135), (282, 32306), (327, 32420), (338, 32435), (340, 32441), (358, 32483), (359, 32486), (381, 32540), (409, 32618), (420, 32651),

Gene: Teatealatte_45 Start: 46644, Stop: 45817, Start Num: 98

Candidate Starts for Teatealatte_45:

(Start: 98 @46644 has 51 MA's), (112, 46617), (140, 46551), (176, 46458), (251, 46245), (290, 46116), (313, 46059), (367, 45936), (374, 45912), (382, 45897), (399, 45867),

Gene: Teech_45 Start: 46445, Stop: 45618, Start Num: 98

Candidate Starts for Teech_45:

(Start: 98 @46445 has 51 MA's), (112, 46418), (140, 46352), (176, 46259), (251, 46046), (290, 45917), (313, 45860), (367, 45737), (382, 45698), (397, 45674), (399, 45668),

Gene: Teejan_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Teejan_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: Terminus_35 Start: 31945, Stop: 32802, Start Num: 81

Candidate Starts for Terminus_35:

(Start: 81 @31945 has 134 MA's), (100, 31984), (115, 32014), (Start: 123 @32035 has 5 MA's), (141, 32071), (152, 32101), (180, 32176), (202, 32224), (203, 32227), (208, 32251), (209, 32254), (214, 32269), (282, 32440), (327, 32554), (338, 32569), (340, 32575), (358, 32617), (359, 32620), (381, 32674), (409, 32752), (420, 32785),

Gene: Thales_26 Start: 21024, Stop: 21719, Start Num: 102

Candidate Starts for Thales_26:

(Start: 102 @21024 has 14 MA's), (138, 21084), (157, 21129), (182, 21192), (189, 21213), (201, 21246), (209, 21279), (249, 21378), (262, 21414), (271, 21438), (274, 21447), (289, 21495), (295, 21507), (299, 21516), (316, 21558), (337, 21609), (369, 21696),

Gene: Theia_7 Start: 5291, Stop: 6100, Start Num: 88

Candidate Starts for Theia_7:

(Start: 88 @5291 has 23 MA's), (118, 5354), (Start: 123 @5363 has 5 MA's), (152, 5420), (169, 5468), (277, 5738), (291, 5780), (316, 5837), (339, 5879), (422, 6086),

Gene: Thimble_35 Start: 30808, Stop: 31665, Start Num: 81

Candidate Starts for Thimble_35:

(Start: 81 @30808 has 134 MA's), (100, 30847), (115, 30877), (Start: 123 @30898 has 5 MA's), (141, 30934), (152, 30964), (180, 31039), (202, 31087), (203, 31090), (208, 31114), (209, 31117), (214, 31132), (282, 31303), (327, 31417), (338, 31432), (340, 31438), (358, 31480), (359, 31483), (381, 31537), (409, 31615), (420, 31648),

Gene: Thresher_36 Start: 32612, Stop: 33469, Start Num: 81

Candidate Starts for Thresher_36:

(Start: 81 @32612 has 134 MA's), (100, 32651), (115, 32681), (Start: 123 @32702 has 5 MA's), (141, 32738), (152, 32768), (180, 32843), (202, 32891), (203, 32894), (208, 32918), (209, 32921), (214, 32936), (282, 33107), (327, 33221), (338, 33236), (340, 33242), (358, 33284), (359, 33287), (381, 33341), (409, 33419), (420, 33452),

Gene: Thyatira_30 Start: 27046, Stop: 27918, Start Num: 99

Candidate Starts for Thyatira_30:

(64, 26944), (77, 26998), (Start: 99 @27046 has 152 MA's), (Start: 110 @27058 has 1 MA's), (111, 27061), (112, 27064), (Start: 123 @27091 has 5 MA's), (139, 27121), (141, 27127), (165, 27181), (167, 27190), (172, 27202), (184, 27235), (194, 27268), (209, 27316), (241, 27385), (269, 27469), (295, 27538), (303, 27556), (304, 27559), (331, 27619), (345, 27664), (362, 27736), (375, 27772), (377, 27775), (385, 27796), (407, 27853), (417, 27889), (419, 27898), (421, 27907),

Gene: Tierra_31 Start: 26561, Stop: 27304, Start Num: 99

Candidate Starts for Tierra_31:

(83, 26534), (Start: 99 @26561 has 152 MA's), (111, 26579), (120, 26603), (Start: 123 @26609 has 5 MA's), (141, 26645), (165, 26693), (167, 26702), (180, 26738), (194, 26780), (238, 26888), (284, 27023), (289, 27038), (295, 27050), (304, 27071), (313, 27086), (314, 27089), (316, 27095), (381, 27173), (410, 27254), (417, 27275), (419, 27284),

Gene: Tigress9_31 Start: 25731, Stop: 26474, Start Num: 99

Candidate Starts for Tigress9_31:

(34, 25440), (42, 25482), (64, 25629), (67, 25650), (77, 25683), (83, 25704), (Start: 99 @25731 has 152 MA's), (120, 25773), (Start: 123 @25779 has 5 MA's), (141, 25815), (165, 25863), (167, 25872), (180, 25908), (194, 25950), (238, 26058), (284, 26193), (289, 26208), (295, 26220), (304, 26241), (313, 26256), (314, 26259), (316, 26265), (381, 26343), (410, 26424), (417, 26445), (419, 26454),

Gene: TingHuaYa_31 Start: 25601, Stop: 26455, Start Num: 99

Candidate Starts for TingHuaYa_31:

(67, 25520), (77, 25553), (83, 25574), (Start: 99 @25601 has 152 MA's), (Start: 110 @25613 has 1 MA's), (120, 25640), (Start: 123 @25646 has 5 MA's), (139, 25676), (165, 25736), (167, 25745), (184, 25790), (194, 25823), (284, 26066), (289, 26081), (295, 26093), (304, 26114), (316, 26138), (345, 26210), (362, 26276), (377, 26315), (385, 26336), (421, 26444),

Gene: TiniBug_31 Start: 26379, Stop: 27251, Start Num: 99

Candidate Starts for TiniBug_31:

(64, 26277), (83, 26352), (Start: 99 @26379 has 152 MA's), (Start: 110 @26391 has 1 MA's), (141, 26460), (152, 26487), (165, 26517), (167, 26526), (180, 26562), (184, 26571), (194, 26604), (202, 26622), (238, 26712), (284, 26847), (295, 26874), (304, 26895), (316, 26919), (359, 27066), (362, 27072), (375, 27108), (385, 27132), (419, 27231), (421, 27240),

Gene: TinyDot_25 Start: 19158, Stop: 19859, Start Num: 107

Candidate Starts for TinyDot_25:

(12, 18633), (22, 18750), (26, 18777), (27, 18780), (32, 18819), (41, 18876), (43, 18879), (51, 18924), (66, 19041), (90, 19122), (Start: 97 @19143 has 20 MA's), (Start: 107 @19158 has 33 MA's), (112, 19167), (149, 19251), (156, 19266), (168, 19302), (200, 19383), (208, 19416), (210, 19422), (237, 19467), (248, 19506), (303, 19644), (306, 19650), (333, 19707), (394, 19851),

Gene: Tiri_31 Start: 26466, Stop: 27338, Start Num: 99

Candidate Starts for Tiri_31:

(83, 26439), (Start: 99 @26466 has 152 MA's), (Start: 110 @26478 has 1 MA's), (141, 26547), (152, 26574), (165, 26604), (167, 26613), (180, 26649), (184, 26658), (194, 26691), (202, 26709), (209, 26739), (238, 26799), (284, 26934), (295, 26961), (304, 26982), (316, 27006), (335, 27057), (362, 27159), (375, 27195), (385, 27219), (419, 27318), (421, 27327),

Gene: Toast_26 Start: 21477, Stop: 22187, Start Num: 104

Candidate Starts for Toast_26:

(Start: 104 @21477 has 21 MA's), (112, 21489), (115, 21495), (171, 21633), (183, 21663), (201, 21708), (207, 21735), (215, 21762), (243, 21813), (266, 21882), (274, 21897), (278, 21903), (285, 21933), (303, 21975), (306, 21981), (328, 22032), (364, 22104), (388, 22167),

Gene: Tomaszewski_34 Start: 31455, Stop: 32312, Start Num: 81

Candidate Starts for Tomaszewski_34:

(Start: 81 @31455 has 134 MA's), (100, 31494), (115, 31524), (Start: 123 @31545 has 5 MA's), (141, 31581), (152, 31611), (180, 31686), (202, 31734), (203, 31737), (208, 31761), (209, 31764), (214, 31779), (282, 31950), (327, 32064), (338, 32079), (340, 32085), (358, 32127), (359, 32130), (381, 32184), (409, 32262), (420, 32295),

Gene: Toneprano_30 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for Toneprano_30:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Topper_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Topper_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: Torres_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Torres_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: Toto_35 Start: 31858, Stop: 32715, Start Num: 81

Candidate Starts for Toto_35:

(Start: 81 @31858 has 134 MA's), (100, 31897), (115, 31927), (Start: 123 @31948 has 5 MA's), (141, 31984), (152, 32014), (180, 32089), (202, 32137), (203, 32140), (208, 32164), (209, 32167), (214, 32182), (282, 32353), (321, 32452), (327, 32467), (338, 32482), (340, 32488), (358, 32530), (359, 32533), (381, 32587), (409, 32665), (420, 32698),

Gene: Traaww1_33 Start: 31496, Stop: 32353, Start Num: 81

Candidate Starts for Traaww1_33:

(Start: 81 @31496 has 134 MA's), (100, 31535), (115, 31565), (Start: 123 @31586 has 5 MA's), (141, 31622), (152, 31652), (180, 31727), (202, 31775), (203, 31778), (208, 31802), (209, 31805), (214, 31820), (282, 31991), (327, 32105), (338, 32120), (340, 32126), (358, 32168), (359, 32171), (381, 32225), (409, 32303), (420, 32336),

Gene: TraderJ_45 Start: 37582, Stop: 38304, Start Num: 103

Candidate Starts for TraderJ_45:

(56, 37396), (Start: 103 @37582 has 11 MA's), (173, 37744), (185, 37771), (187, 37777), (237, 37891), (264, 37975), (303, 38068), (317, 38098),

Gene: Tredge_45 Start: 46644, Stop: 45817, Start Num: 98

Candidate Starts for Tredge_45:

(Start: 98 @46644 has 51 MA's), (112, 46617), (140, 46551), (176, 46458), (251, 46245), (290, 46116), (313, 46059), (367, 45936), (374, 45912), (382, 45897), (399, 45867),

Gene: TreyKay_31 Start: 26427, Stop: 27299, Start Num: 99

Candidate Starts for TreyKay_31:

(83, 26400), (Start: 99 @26427 has 152 MA's), (Start: 110 @26439 has 1 MA's), (141, 26508), (152, 26535), (165, 26565), (167, 26574), (180, 26610), (184, 26619), (194, 26652), (202, 26670), (238, 26760), (284, 26895), (295, 26922), (304, 26943), (316, 26967), (335, 27018), (362, 27120), (375, 27156), (385, 27180), (419, 27279), (421, 27288),

Gene: TribbleTrouble_30 Start: 26988, Stop: 27776, Start Num: 99

Candidate Starts for TribbleTrouble_30:

(77, 26943), (Start: 99 @26988 has 152 MA's), (Start: 123 @27033 has 5 MA's), (141, 27069), (165, 27126), (167, 27135), (202, 27225), (207, 27249), (261, 27390), (284, 27453), (295, 27495), (303, 27513), (304, 27516), (307, 27522), (316, 27540), (358, 27570), (385, 27639), (412, 27711), (419, 27741),

Gene: Trice_27 Start: 25978, Stop: 26736, Start Num: 97

Candidate Starts for Trice_27:

(64, 25876), (77, 25930), (83, 25951), (Start: 97 @25978 has 20 MA's), (Start: 123 @26023 has 5 MA's), (141, 26059), (166, 26119), (167, 26125), (178, 26155), (194, 26203), (207, 26245), (238, 26311), (248, 26347), (284, 26446), (295, 26473), (304, 26494), (307, 26500), (352, 26539), (359, 26551), (362, 26557), (370, 26581), (381, 26605), (419, 26716), (421, 26725),

Gene: TruffulaTree_31 Start: 26457, Stop: 27329, Start Num: 99

Candidate Starts for TruffulaTree_31:

(29, 26127), (64, 26355), (83, 26430), (Start: 99 @26457 has 152 MA's), (Start: 110 @26469 has 1 MA's), (141, 26538), (152, 26565), (165, 26595), (167, 26604), (180, 26640), (184, 26649), (194, 26682), (202, 26700), (209, 26730), (237, 26787), (238, 26790), (284, 26925), (295, 26952), (304, 26973), (316, 26997), (335, 27048), (362, 27150), (375, 27186), (385, 27210), (419, 27309), (421, 27318),

Gene: Tuco_36 Start: 32366, Stop: 33223, Start Num: 81

Candidate Starts for Tuco_36:

(Start: 81 @32366 has 134 MA's), (100, 32405), (115, 32435), (Start: 123 @32456 has 5 MA's), (141, 32492), (152, 32522), (180, 32597), (202, 32645), (203, 32648), (208, 32672), (209, 32675), (214, 32690), (282, 32861), (327, 32975), (338, 32990), (340, 32996), (358, 33038), (359, 33041), (381, 33095), (409, 33173), (420, 33206),

Gene: TuertoX_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for TuertoX_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Twigg_8 Start: 5324, Stop: 6133, Start Num: 88

Candidate Starts for Twigg_8:

(Start: 88 @5324 has 23 MA's), (118, 5387), (Start: 123 @5396 has 5 MA's), (152, 5453), (169, 5501), (200, 5582), (277, 5771), (291, 5813), (316, 5870), (339, 5912), (422, 6119),

Gene: Twin_30 Start: 21568, Stop: 22266, Start Num: 102

Candidate Starts for Twin_30:

(Start: 94 @21550 has 1 MA's), (Start: 102 @21568 has 14 MA's), (138, 21631), (152, 21667), (177, 21727), (182, 21739), (189, 21760), (201, 21793), (208, 21823), (209, 21826), (215, 21847), (217, 21853), (221, 21859), (235, 21880), (271, 21985), (274, 21994), (299, 22063), (301, 22069), (316, 22105), (321, 22117), (337, 22156), (346, 22177), (372, 22246), (376, 22258), (379, 22261),

Gene: Twitch_31 Start: 26494, Stop: 27366, Start Num: 99

Candidate Starts for Twitch_31:

(29, 26164), (64, 26392), (83, 26467), (Start: 99 @26494 has 152 MA's), (Start: 110 @26506 has 1 MA's), (141, 26575), (152, 26602), (165, 26632), (167, 26641), (180, 26677), (184, 26686), (194, 26719), (202, 26737), (209, 26767), (238, 26827), (284, 26962), (295, 26989), (304, 27010), (316, 27034), (335, 27085), (362, 27187), (375, 27223), (385, 27247), (419, 27346), (421, 27355),

Gene: UBSmoodge_32 Start: 23407, Stop: 24087, Start Num: 102

Candidate Starts for UBSmoodge_32:

(Start: 92 @23386 has 1 MA's), (Start: 102 @23407 has 14 MA's), (138, 23464), (147, 23485), (189, 23581), (201, 23614), (208, 23644), (209, 23647), (215, 23668), (217, 23674), (228, 23692), (239, 23713), (262, 23782), (271, 23806), (279, 23824), (283, 23845), (321, 23938), (325, 23947), (327, 23953), (346, 23998), (372, 24067), (379, 24082),

Gene: Ukulele_35 Start: 31616, Stop: 32473, Start Num: 81

Candidate Starts for Ukulele_35:

(Start: 81 @31616 has 134 MA's), (100, 31655), (115, 31685), (Start: 123 @31706 has 5 MA's), (141, 31742), (152, 31772), (180, 31847), (202, 31895), (203, 31898), (208, 31922), (209, 31925), (214, 31940), (282, 32111), (327, 32225), (338, 32240), (340, 32246), (358, 32288), (359, 32291), (381, 32345), (409, 32423), (420, 32456),

Gene: Unicorn_31 Start: 25890, Stop: 26633, Start Num: 99

Candidate Starts for Unicorn_31:

(83, 25863), (Start: 99 @25890 has 152 MA's), (120, 25932), (Start: 123 @25938 has 5 MA's), (141, 25974), (165, 26022), (167, 26031), (180, 26067), (194, 26109), (238, 26217), (284, 26352), (289, 26367), (295, 26379), (304, 26400), (314, 26418), (316, 26424), (381, 26502), (410, 26583), (417, 26604), (419, 26613),

Gene: Urkel_31 Start: 26382, Stop: 27254, Start Num: 99

Candidate Starts for Urkel_31:

(64, 26280), (83, 26355), (Start: 99 @26382 has 152 MA's), (Start: 110 @26394 has 1 MA's), (141, 26463), (152, 26490), (165, 26520), (167, 26529), (180, 26565), (184, 26574), (194, 26607), (202, 26625), (238, 26715), (284, 26850), (295, 26877), (304, 26898), (316, 26922), (335, 26973), (362, 27075), (375, 27111), (385, 27135), (419, 27234), (421, 27243),

Gene: Validus_31 Start: 25785, Stop: 26546, Start Num: 99

Candidate Starts for Validus_31:

(Start: 99 @25785 has 152 MA's), (Start: 123 @25830 has 5 MA's), (141, 25866), (167, 25932), (178, 25962), (180, 25968), (184, 25977), (194, 26010), (207, 26052), (229, 26103), (238, 26118), (284, 26253), (295, 26280), (304, 26301), (307, 26307), (316, 26325), (359, 26358), (362, 26364), (381, 26412), (407, 26481), (419, 26526), (421, 26535),

Gene: Vasanti_23 Start: 19352, Stop: 20059, Start Num: 107

Candidate Starts for Vasanti_23:

(60, 19208), (Start: 107 @19352 has 33 MA's), (135, 19409), (149, 19448), (171, 19508), (179, 19529), (200, 19580), (201, 19583), (202, 19586), (210, 19619), (215, 19637), (216, 19640), (262, 19742), (290, 19811), (294, 19820), (303, 19841), (306, 19847), (382, 20021), (394, 20051),

Gene: Veliki_31 Start: 26497, Stop: 27369, Start Num: 99

Candidate Starts for Veliki_31:

(83, 26470), (Start: 99 @26497 has 152 MA's), (Start: 110 @26509 has 1 MA's), (141, 26578), (152, 26605), (165, 26635), (167, 26644), (180, 26680), (184, 26689), (194, 26722), (202, 26740), (209, 26770), (237, 26827), (238, 26830), (284, 26965), (295, 26992), (304, 27013), (316, 27037), (335, 27088), (362, 27190), (375, 27226), (385, 27250), (419, 27349), (421, 27358),

Gene: Vitaenoi_46 Start: 47750, Stop: 46923, Start Num: 98

Candidate Starts for Vitaenoi_46:

(Start: 98 @47750 has 51 MA's), (111, 47726), (194, 47513), (262, 47306), (265, 47294), (282, 47255), (299, 47201), (323, 47138), (397, 46979),

Gene: ViviJ_29 Start: 26988, Stop: 27749, Start Num: 97

Candidate Starts for ViviJ_29:

(77, 26940), (Start: 97 @26988 has 20 MA's), (Start: 110 @27000 has 1 MA's), (111, 27003), (112, 27006), (Start: 123 @27033 has 5 MA's), (141, 27069), (166, 27129), (167, 27135), (178, 27165), (180, 27171), (184, 27180), (194, 27213), (207, 27255), (208, 27258), (212, 27270), (229, 27306), (238, 27321), (248, 27357), (284, 27456), (295, 27483), (304, 27504), (362, 27567), (370, 27591), (381,

27615), (407, 27684), (419, 27729), (421, 27738),

Gene: Vordorf_47 Start: 35552, Stop: 36358, Start Num: 106

Candidate Starts for Vordorf_47:

(89, 35519), (Start: 106 @35552 has 5 MA's), (136, 35615), (170, 35705), (215, 35837), (219, 35843), (222, 35846), (280, 35993), (312, 36074), (324, 36104), (326, 36110), (353, 36161), (405, 36287), (418, 36335),

Gene: Waterfoul_30 Start: 27070, Stop: 27942, Start Num: 99

Candidate Starts for Waterfoul_30:

(64, 26968), (77, 27022), (Start: 99 @27070 has 152 MA's), (Start: 110 @27082 has 1 MA's), (111, 27085), (112, 27088), (Start: 123 @27115 has 5 MA's), (139, 27145), (141, 27151), (165, 27205), (167, 27214), (172, 27226), (178, 27244), (184, 27259), (194, 27292), (202, 27310), (209, 27340), (241, 27409), (295, 27562), (303, 27580), (304, 27583), (331, 27643), (335, 27661), (345, 27688), (362, 27760), (368, 27775), (375, 27796), (377, 27799), (385, 27820), (417, 27913), (419, 27922), (421, 27931),

Gene: Weasels2_31 Start: 9643, Stop: 8966, Start Num: 122

Candidate Starts for Weasels2_31:

(Start: 122 @9643 has 4 MA's), (141, 9604), (155, 9574), (163, 9553), (173, 9520), (239, 9346), (258, 9292), (302, 9181),

Gene: Whiteclaw_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Whiteclaw_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Wiggin_38 Start: 32362, Stop: 33219, Start Num: 81

Candidate Starts for Wiggin_38:

(Start: 81 @32362 has 134 MA's), (100, 32401), (115, 32431), (Start: 123 @32452 has 5 MA's), (141, 32488), (152, 32518), (180, 32593), (202, 32641), (203, 32644), (208, 32668), (209, 32671), (214, 32686), (282, 32857), (327, 32971), (338, 32986), (340, 32992), (358, 33034), (359, 33037), (381, 33091), (409, 33169), (420, 33202),

Gene: Willez_34 Start: 31362, Stop: 32219, Start Num: 81

Candidate Starts for Willez_34:

(Start: 81 @31362 has 134 MA's), (100, 31401), (115, 31431), (Start: 123 @31452 has 5 MA's), (141, 31488), (152, 31518), (180, 31593), (202, 31641), (203, 31644), (208, 31668), (209, 31671), (214, 31686), (282, 31857), (327, 31971), (338, 31986), (340, 31992), (358, 32034), (359, 32037), (381, 32091), (409, 32169), (420, 32202),

Gene: William_26 Start: 21300, Stop: 22013, Start Num: 104

Candidate Starts for William_26:

(95, 21285), (Start: 104 @21300 has 21 MA's), (112, 21312), (113, 21315), (115, 21318), (160, 21426), (171, 21456), (183, 21486), (201, 21531), (213, 21576), (215, 21585), (237, 21618), (243, 21636), (274, 21723), (278, 21729), (285, 21759), (294, 21780), (303, 21801), (306, 21807), (322, 21846), (328, 21858), (364, 21930), (388, 21993),

Gene: Wintermute_32 Start: 27629, Stop: 28420, Start Num: 87

Candidate Starts for Wintermute_32:

(Start: 87 @27629 has 23 MA's), (Start: 110 @27662 has 1 MA's), (Start: 123 @27695 has 5 MA's), (Start: 137 @27719 has 2 MA's), (146, 27740), (165, 27788), (167, 27797), (180, 27833), (211, 27914),

(284, 28121), (295, 28148), (298, 28154), (304, 28169), (316, 28193), (359, 28217), (368, 28238), (381, 28271), (385, 28283), (412, 28355),

Gene: Wooper_45 Start: 37588, Stop: 38310, Start Num: 103

Candidate Starts for Wooper_45:

(56, 37402), (Start: 103 @37588 has 11 MA's), (173, 37750), (185, 37777), (187, 37783), (237, 37897), (264, 37981), (303, 38074), (317, 38104),

Gene: Worcestershire_49 Start: 45727, Stop: 44870, Start Num: 98

Candidate Starts for Worcestershire_49:

(Start: 98 @45727 has 51 MA's), (112, 45703), (127, 45664), (Start: 137 @45649 has 2 MA's), (149, 45613), (164, 45574), (186, 45514), (190, 45496), (203, 45457), (214, 45415), (271, 45244), (297, 45169), (309, 45139), (345, 45052), (374, 44977), (392, 44950), (414, 44890),

Gene: Wrigley_28 Start: 22650, Stop: 23273, Start Num: 123

Candidate Starts for Wrigley_28:

(Start: 123 @22650 has 5 MA's), (132, 22659), (151, 22701), (165, 22737), (182, 22782), (189, 22803), (201, 22836), (213, 22881), (245, 22953), (249, 22968), (267, 23016), (283, 23061), (289, 23079), (299, 23100), (303, 23109), (325, 23163), (346, 23214), (358, 23241), (362, 23250), (363, 23253),

Gene: Xandras_37 Start: 31848, Stop: 32705, Start Num: 81

Candidate Starts for Xandras_37:

(Start: 81 @31848 has 134 MA's), (100, 31887), (115, 31917), (Start: 123 @31938 has 5 MA's), (141, 31974), (152, 32004), (180, 32079), (202, 32127), (203, 32130), (208, 32154), (209, 32157), (214, 32172), (282, 32343), (327, 32457), (338, 32472), (340, 32478), (358, 32520), (359, 32523), (381, 32577), (409, 32655), (420, 32688),

Gene: Ximenita_32 Start: 25917, Stop: 26660, Start Num: 99

Candidate Starts for Ximenita_32:

(83, 25890), (Start: 99 @25917 has 152 MA's), (120, 25959), (Start: 123 @25965 has 5 MA's), (141, 26001), (165, 26049), (167, 26058), (180, 26094), (194, 26136), (238, 26244), (284, 26379), (289, 26394), (295, 26406), (304, 26427), (313, 26442), (316, 26451), (410, 26610), (417, 26631), (419, 26640),

Gene: Y10_32 Start: 27629, Stop: 28420, Start Num: 87

Candidate Starts for Y10_32:

(Start: 87 @27629 has 23 MA's), (Start: 110 @27662 has 1 MA's), (Start: 123 @27695 has 5 MA's), (Start: 137 @27719 has 2 MA's), (146, 27740), (165, 27788), (167, 27797), (180, 27833), (211, 27914), (284, 28121), (295, 28148), (298, 28154), (304, 28169), (316, 28193), (359, 28217), (368, 28238), (381, 28271), (385, 28283), (412, 28355),

Gene: Y2_32 Start: 27629, Stop: 28420, Start Num: 87

Candidate Starts for Y2_32:

(Start: 87 @27629 has 23 MA's), (Start: 110 @27662 has 1 MA's), (Start: 123 @27695 has 5 MA's), (Start: 137 @27719 has 2 MA's), (146, 27740), (165, 27788), (167, 27797), (180, 27833), (211, 27914), (284, 28121), (295, 28148), (298, 28154), (304, 28169), (316, 28193), (359, 28217), (368, 28238), (381, 28271), (385, 28283), (412, 28355),

Gene: Yago84_42 Start: 36147, Stop: 36872, Start Num: 105

Candidate Starts for Yago84_42:

(55, 35949), (63, 36021), (Start: 105 @36147 has 9 MA's), (171, 36306), (173, 36312), (183, 36336), (187, 36345), (191, 36357), (197, 36372), (215, 36438), (238, 36468), (268, 36552), (290, 36615), (300, 36639), (303, 36645), (382, 36828), (384, 36837),

Gene: YasnayaPolyana_32 Start: 27630, Stop: 28421, Start Num: 87

Candidate Starts for YasnayaPolyana_32:

(Start: 87 @27630 has 23 MA's), (Start: 110 @27663 has 1 MA's), (Start: 123 @27696 has 5 MA's), (Start: 137 @27720 has 2 MA's), (146, 27741), (165, 27789), (167, 27798), (180, 27834), (211, 27915), (284, 28122), (295, 28149), (298, 28155), (304, 28170), (316, 28194), (359, 28218), (368, 28239), (381, 28272), (385, 28284), (412, 28356),

Gene: YassJohnny_36 Start: 32373, Stop: 33230, Start Num: 81

Candidate Starts for YassJohnny_36:

(Start: 81 @32373 has 134 MA's), (100, 32412), (115, 32442), (Start: 123 @32463 has 5 MA's), (141, 32499), (152, 32529), (180, 32604), (202, 32652), (203, 32655), (208, 32679), (209, 32682), (214, 32697), (282, 32868), (327, 32982), (338, 32997), (340, 33003), (358, 33045), (359, 33048), (381, 33102), (409, 33180), (420, 33213),

Gene: Yeet412_24 Start: 19791, Stop: 20498, Start Num: 107

Candidate Starts for Yeet412_24:

(60, 19647), (Start: 107 @19791 has 33 MA's), (135, 19848), (149, 19887), (171, 19947), (178, 19965), (179, 19968), (187, 19986), (201, 20022), (202, 20025), (210, 20058), (215, 20076), (237, 20103), (262, 20181), (290, 20250), (303, 20280), (306, 20286), (394, 20490),

Gene: Yeshua_45 Start: 37565, Stop: 38287, Start Num: 103

Candidate Starts for Yeshua_45:

(56, 37379), (Start: 103 @37565 has 11 MA's), (173, 37727), (185, 37754), (187, 37760), (237, 37874), (264, 37958), (303, 38051), (317, 38081),

Gene: Yinzer_24 Start: 19798, Stop: 20505, Start Num: 107

Candidate Starts for Yinzer_24:

(60, 19654), (Start: 107 @19798 has 33 MA's), (135, 19855), (149, 19894), (168, 19945), (171, 19954), (178, 19972), (179, 19975), (201, 20029), (202, 20032), (210, 20065), (215, 20083), (237, 20110), (262, 20188), (290, 20257), (293, 20263), (303, 20287), (306, 20293), (394, 20497),

Gene: Youngblood_35 Start: 32018, Stop: 32875, Start Num: 81

Candidate Starts for Youngblood_35:

(Start: 81 @32018 has 134 MA's), (100, 32057), (115, 32087), (Start: 123 @32108 has 5 MA's), (141, 32144), (152, 32174), (180, 32249), (202, 32297), (203, 32300), (208, 32324), (209, 32327), (214, 32342), (282, 32513), (327, 32627), (338, 32642), (340, 32648), (358, 32690), (359, 32693), (381, 32747), (409, 32825), (420, 32858),

Gene: YoureAdopted_30 Start: 26430, Stop: 27302, Start Num: 99

Candidate Starts for YoureAdopted_30:

(29, 26100), (64, 26328), (83, 26403), (Start: 99 @26430 has 152 MA's), (Start: 110 @26442 has 1 MA's), (141, 26511), (152, 26538), (165, 26568), (167, 26577), (180, 26613), (194, 26655), (202, 26673), (209, 26703), (238, 26763), (284, 26898), (295, 26925), (304, 26946), (316, 26970), (335, 27021), (362, 27123), (375, 27159), (385, 27183), (419, 27282), (421, 27291),

Gene: Yuna_32 Start: 26320, Stop: 27069, Start Num: 99

Candidate Starts for Yuna_32:

(64, 26218), (67, 26239), (77, 26272), (83, 26293), (Start: 99 @26320 has 152 MA's), (Start: 110 @26332 has 1 MA's), (111, 26335), (120, 26359), (Start: 123 @26365 has 5 MA's), (141, 26401), (165, 26449), (167, 26458), (184, 26503), (194, 26536), (209, 26584), (247, 26671), (284, 26779), (295, 26806), (304, 26827), (316, 26851), (375, 26926), (385, 26950), (404, 26998), (417, 27040), (419, 27049),

Gene: Yunkel11_31 Start: 25718, Stop: 26587, Start Num: 99

Candidate Starts for Yunkel11_31:

(77, 25670), (83, 25691), (Start: 99 @25718 has 152 MA's), (Start: 110 @25730 has 1 MA's), (120, 25757), (Start: 123 @25763 has 5 MA's), (139, 25793), (141, 25799), (167, 25862), (180, 25898), (184, 25907), (194, 25940), (209, 25988), (241, 26057), (295, 26210), (304, 26231), (316, 26255), (323, 26273), (332, 26294), (345, 26333), (362, 26408), (375, 26444), (410, 26537), (419, 26567), (421, 26576),

Gene: ZAYM_27 Start: 22255, Stop: 22968, Start Num: 109

Candidate Starts for ZAYM_27:

(38, 21961), (39, 21964), (55, 22045), (58, 22075), (80, 22198), (Start: 109 @22255 has 13 MA's), (139, 22321), (149, 22348), (156, 22363), (171, 22408), (191, 22459), (202, 22486), (207, 22510), (240, 22573), (271, 22657), (290, 22714), (298, 22732), (303, 22744), (306, 22750),

Gene: Zabiza_31 Start: 26461, Stop: 27333, Start Num: 99

Candidate Starts for Zabiza_31:

(83, 26434), (Start: 99 @26461 has 152 MA's), (Start: 110 @26473 has 1 MA's), (141, 26542), (152, 26569), (165, 26599), (167, 26608), (180, 26644), (184, 26653), (194, 26686), (202, 26704), (209, 26734), (237, 26791), (238, 26794), (284, 26929), (295, 26956), (304, 26977), (316, 27001), (335, 27052), (362, 27154), (375, 27190), (385, 27214), (419, 27313), (421, 27322),

Gene: Zavala_31 Start: 26436, Stop: 27308, Start Num: 99

Candidate Starts for Zavala_31:

(83, 26409), (Start: 99 @26436 has 152 MA's), (Start: 110 @26448 has 1 MA's), (141, 26517), (152, 26544), (165, 26574), (167, 26583), (180, 26619), (184, 26628), (194, 26661), (202, 26679), (209, 26709), (238, 26769), (284, 26904), (295, 26931), (304, 26952), (316, 26976), (335, 27027), (362, 27129), (375, 27165), (385, 27189), (419, 27288), (421, 27297),

Gene: xkcd_36 Start: 32027, Stop: 32884, Start Num: 81

Candidate Starts for xkcd_36:

(Start: 81 @32027 has 134 MA's), (100, 32066), (115, 32096), (Start: 123 @32117 has 5 MA's), (141, 32153), (152, 32183), (180, 32258), (202, 32306), (203, 32309), (208, 32333), (209, 32336), (214, 32351), (282, 32522), (321, 32621), (327, 32636), (338, 32651), (340, 32657), (358, 32699), (359, 32702), (381, 32756), (409, 32834), (420, 32867),