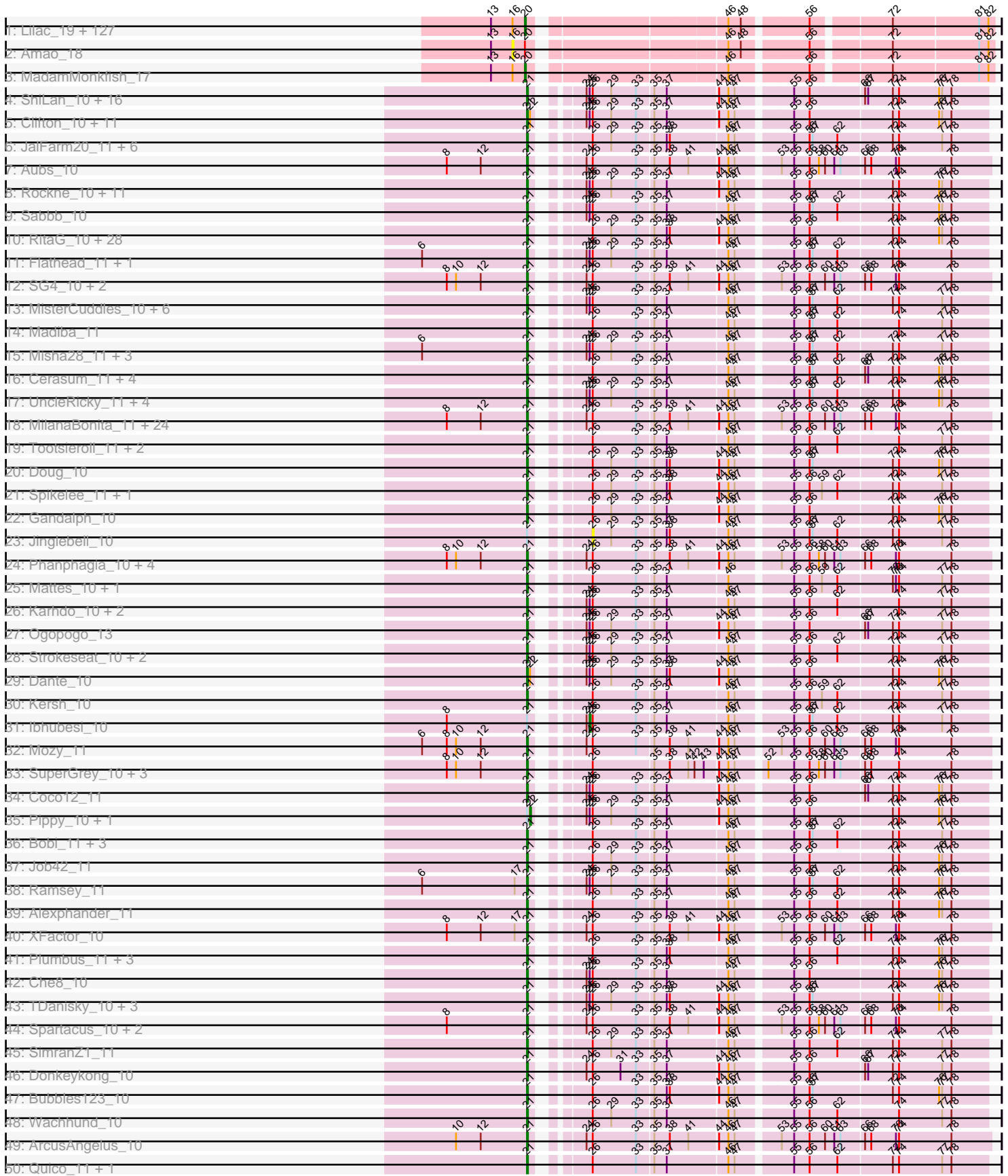
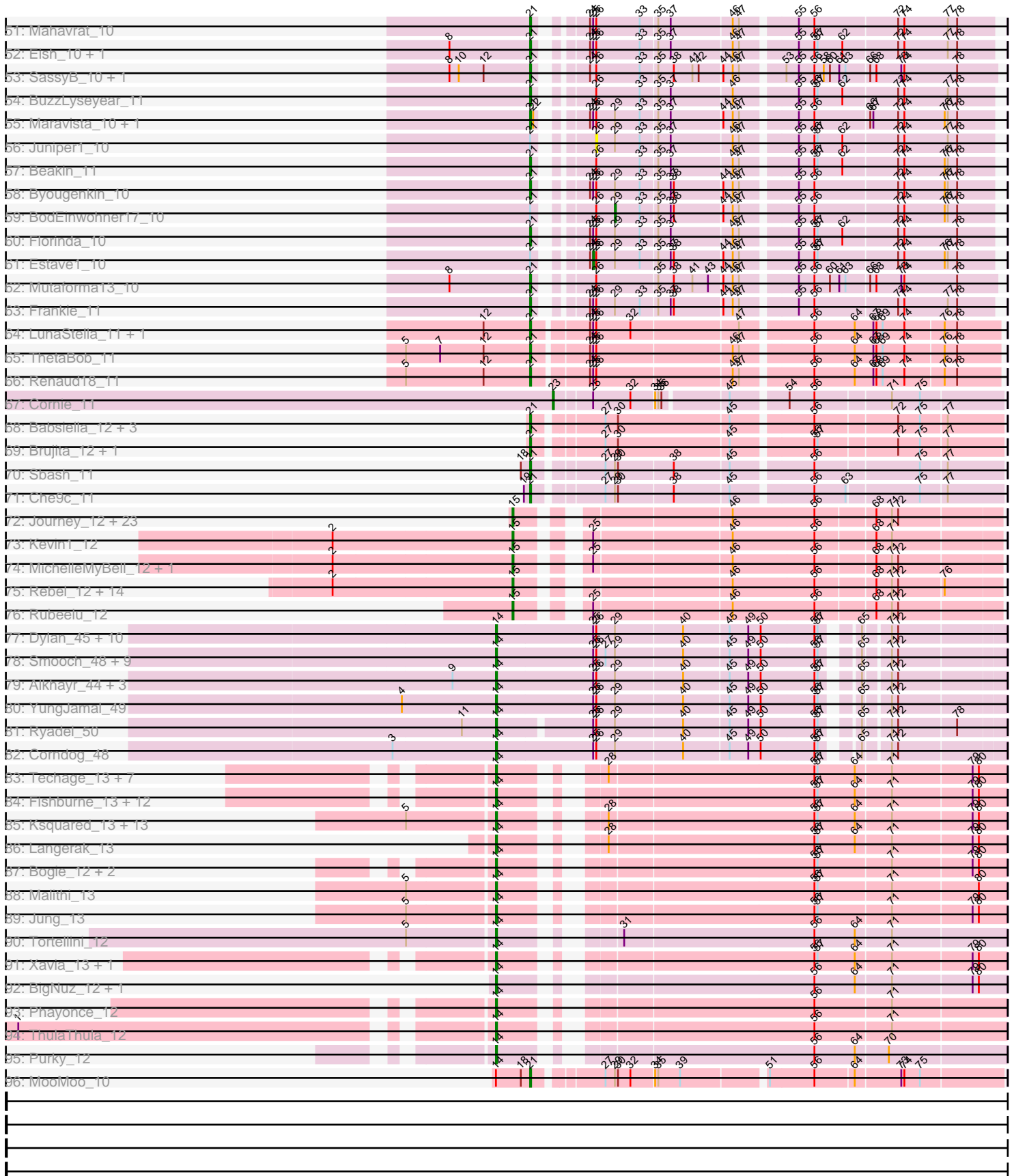


Pham 161473



Pham 161473



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 161473 Report

This analysis was run 04/28/24 on database version 559.

Pham number 161473 has 471 members, 40 are drafts.

Phages represented in each track:

- Track 1 : Lilac_19, Adnama_19, Palpatine_17, Pat3_17, IHOP_17, Elite2014_16, Hopey_18, ShereKhan_19, Qualification_19, Filch_18, Balomoji_17, Dusk_17, Mindy_18, Hoonter_19, FireRed_17, Icee_17, BaboJay_17, Czystczon1_18, NelitzaMV_18, Eureka_18, Stank_19, Bask21_17, Barbarian_17, Simpliphy_18, Goldilocks_19, Buck_17, Contagion_17, StolenFromERC_19, Murphy_17, Traaww1_16, Phrux_17, Flypotenuse_16, Easy2Say_18, Phaux_16, DoctorDiddles_18, BigBubba_17, Bruin_17, Willez_17, Terminus_17, AmericanBeauty_19, Bench_19, Gator_16, Command613_19, CrystalP_18, Cjw1_17, Misfit_17, Marshmallow_18, ShamWow_18, Goku_18, ChosenOne_16, Cookies_18, Teaspoon_17, Miniwave_18, Pumpkin_18, Highbury_18, Henry_18, ABCat_17, Wiggin_19, Xandras_19, Elph10_18, DrDrey_18, Paperbeatsrock_19, Murica_16, Policronamos_17, OrionPax_18, Inca_17, Gemini_19, Mosby_17, Porky_16, NoSleep_18, Gage_19, Nala_17, BugsBunny_15, Petra64142_18, Lilpickle_16, Toto_18, Lilizi_19, MPhalcon_17, StellaBean_18, Pharsalus_18, Maxxinista_18, Tomaszewski_17, Stark_18, Harella_16, TBrady12_19, GoldenSpark_19, Moldemort_18, Rimmer_17, Kanye_19, TeardropMSU_17, Emmina_17, ChotaBhai_17, Kostya_18, Daikon_16, Argent26_19, Glexan_16, Thresher_18, HanKaySha_18, MISSy_17, RiverMonster_17, Rakim_19, Tarkin_19, 244_18, Manda_18, Myrale_18, Ukulele_17, YassJohnny_18, SophKB_18, Sassay_17, Cactus_19, Phaja_17, GooberAzure_19, Nimrod_17, Sotrice96_18, Youngblood_17, BilboSwaggins_18, xkcd_18, SirDuracell_17, Asriel_17, PhatBacter_17, Tuco_18, Dumbo_17, Holt_19, JeTaime_19, HuffyPuff_16, BadStone_17, Saints25_18, Kimchi_19
- Track 2 : Amao_18
- Track 3 : MadamMonkfish_17
- Track 4 : ShiLan_10, Nitzel_11, Nivrat_10, Crumble_10, Burwell21_10, OlympiaSaint_10, SwagPigglett_10, Philus_10, MulchSalad_10, Yorick_10, RockyHorror_11, Jarcob_10, Martik_10, Zizzle_10, Fastidio_10, Lizziana_10, Mantra_10
- Track 5 : Clifton_10, ByChance_10, Minnie_10, NormanBulbieJr_10, Gorge_10, Priscilla_10, Cabrinians_10, Sandalphon_10, Eradicator_10, Brocalys_10, Saal_10, Koella_10
- Track 6 : JalFarm20_11, OfUltron_10, Llama_10, Modragons_10, Sebastian_10, AlpineSix_10, Ochi17_10
- Track 7 : Aubs_10
- Track 8 : Rockne_10, Totinger_11, Zerg_10, VRedHorse_10, Phatniss_10, Llij_10, Moonbeam_10, PMC_10, Rialto_11, Piper2020_11, GigiOuiOui_10,

Awesomesauce_11

- Track 9 : Sabbb_10
- Track 10 : RitaG_10, BlueCrab_10, Polka14_10, LittleShirley_11, RedBird_10, OwlsT2W_11, Daenerys_10, Mova_11, IbOuu_10, Boomer_11, Nimbo_10, Blexus_10, Pacc40_10, Starcevich_11, Geralt_10, JoeyJr_10, PHappiness_10, Inventum_10, Empress_10, Poenanya_10, Pollywog_11, Dorothy_10, Leperchaun_10, OldBen_10, Deb65_10, DaddyRickover_10, Doomphist_10, Scottish_10, Sassafras_10
- Track 11 : Flathead_11, Hegedechwinu_11
- Track 12 : SG4_10, Chuckly_10, EleanorGeorge_10
- Track 13 : MisterCuddles_10, Hades_10, Whouxphf_10, Girr_10, Spoonbill_10, Phasih_10, Ruby_10
- Track 14 : Madiba_11
- Track 15 : Misha28_11, TootsiePop_11, ChickenDinner_11, Squirty_11
- Track 16 : Cerasum_11, BigPhil_11, Velveteen_11, Sarma624_11, Kingsley_11
- Track 17 : UncleRicky_11, Lorde_11, Enby_11, DirtMcgirt_11, Drago_11
- Track 18 : MilanaBonita_11, StAnnes_10, Firehouse51_10, MinionDave_11, Taj_10, ShroomBoi_10, DLane_10, LunaBlu_10, Royals2015_10, Hamulus_10, Phalconet_10, KristaRAM_11, Ovechkin_10, MilleniumForce_11, SiSi_10, Batiatus_10, Whatsapiecost_10, QuickMath_10, Emma_10, DeadP_10, Tweety_10, Galactic_10, Ardmore_10, Wee_10, Akhila_11
- Track 19 : Tootsieroll_11, Radiance_10, Stap_11
- Track 20 : Doug_10
- Track 21 : Spikelee_11, Leozinho_11
- Track 22 : Gandalph_10
- Track 23 : Jinglebell_10
- Track 24 : Phanphagia_10, Shauna1_10, DotProduct_10, Guppsters_10, Cornucopia_11
- Track 25 : Mattes_10, BobaPhett_10
- Track 26 : Karhdo_10, GUmbe_10, Veteran_10
- Track 27 : Ogopogo_13
- Track 28 : Strokeseat_10, Hlubikazi_10, Mandlovu_10
- Track 29 : Dante_10
- Track 30 : Kersh_10
- Track 31 : lbhubesi_10
- Track 32 : Mozy_11
- Track 33 : SuperGrey_10, Bipolar_10, Rita_10, Kenuha5_10
- Track 34 : Coco12_11
- Track 35 : Pippy_10, FreddyB_10
- Track 36 : Bobi_11, Fancypants_10, Seagreen_11, Latretium_10
- Track 37 : Job42_11
- Track 38 : Ramsey_11
- Track 39 : Alexphander_11
- Track 40 : XFactor_10
- Track 41 : Plumbus_11, DaWorst_11, Kimberlium_11, Juice456_11
- Track 42 : Che8_10
- Track 43 : TDanisky_10, DRBy19_10, MadMen_10, Sparkdehlily_10
- Track 44 : Spartacus_10, WillSterrel_10, IrishSherpFalk_10
- Track 45 : SimranZ1_11
- Track 46 : Donkeykong_10
- Track 47 : Bubbles123_10
- Track 48 : Wachhund_10
- Track 49 : ArcusAngelus_10

- Track 50 : Quico_11, Girafales_11
- Track 51 : Mahavrat_10
- Track 52 : Eish_10, Harley_10
- Track 53 : SassyB_10, PopTart_10
- Track 54 : BuzzLyseyear_11
- Track 55 : Maravista_10, LilMoolah_10
- Track 56 : Juniper1_10
- Track 57 : Beakin_11
- Track 58 : Byougenkin_10
- Track 59 : BodEinwohner17_10
- Track 60 : Florinda_10
- Track 61 : Estave1_10
- Track 62 : Mutaforma13_10
- Track 63 : Frankie_11
- Track 64 : LunaStella_11, TChen_11
- Track 65 : ThetaBob_11
- Track 66 : Renaud18_11
- Track 67 : Cornie_11
- Track 68 : Babsiella_12, Xula_11, QueenHazel_12, HC_12
- Track 69 : Brujita_12, Island3_12
- Track 70 : Sbash_11
- Track 71 : Che9c_11
- Track 72 : Journey_12, Andies_12, Bosection6_12, Fulbright_12, Scitech_12, Gex_12, Schnauzer_12, Carcharodon_12, Silvy_12, Charlie_12, Duplicity_12, Magsby_12, Melville_12, Parmesanjohn_12, Smurph_12, Phloss_12, Silvafighter_12, Xerxes_12, Pipsqueaks_12, Philonius_12, Xeno_12, Tapioca_12, Aggie_12, Chewbacca_12
- Track 73 : Kevin1_12
- Track 74 : MichelleMyBell_12, Butters_12
- Track 75 : Rebel_12, Redi_12, Panchino_12, PhancyPhin_12, Shweta_12, ShrimpFriedEgg_12, Snekmaggedon_12, Phrann_12, Raymond7_12, Nenae_12, Jamie19_12, Purgamenstris_12, SkinnyPete_12, BabeRuth_12, SpongeBob_12
- Track 76 : Rubeelu_12
- Track 77 : Dylan_45, Zakhe101_46, Ashwin_45, Familton_47, Blessica_47, Bora_43, Wildflower_44, JangDynasty_46, SchoolBus_46, TelAviv_43, Winget_47
- Track 78 : Smooch_48, Firecracker_46, Murai_46, Schuy_44, Krili_45, NiebruSaylor_45, Mori_45, Shida_46, Vorrrps_45, MadKillah_47
- Track 79 : Alkhayr_44, FoulBall_43, Catdawg_46, Idergollasper_46
- Track 80 : YungJamal_49
- Track 81 : Ryadel_50
- Track 82 : Corndog_48
- Track 83 : Techage_13, Donovan_13, Arib1_13, Jebeks_13, Sonah_13, Mangethe_13, Majeke_13, Phegasus_13
- Track 84 : Fishburne_13, Zilizebeth_13, Necropolis_13, Bartholomew_13, Dynamo_13, Venti_13, FirstPlacePfu_13, GreaseLightnin_13, Phineas_13, StevieRay_13, Kari_13, HUHilltop_13, Vidya_13
- Track 85 : Ksquared_13, CactusJack_13, Atcoo_13, Brusacoram_13, KilKor_13, Phalm_13, Bunnies_13, Willsammy_13, Thespis_13, Glaske_13, Juniormint_13, StressBall_13, Megiddo_13, Polkaroo_13
- Track 86 : Langerak_13
- Track 87 : Bogie_12, Shipwreck_12, Pygmy_12
- Track 88 : Malithi_13
- Track 89 : Jung_13

- Track 90 : Tortellini_12
- Track 91 : Xavia_13, Camster_13
- Track 92 : BigNuz_12, Nazo_12
- Track 93 : Phayonce_12
- Track 94 : ThulaThula_12
- Track 95 : Purky_12
- Track 96 : MooMoo_10

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

The start number called the most often in the published annotations is 21, it was called in 201 of the 431 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_11, Alexphander_11, AlpineSix_10, ArcusAngelus_10, Ardmore_10, Aubs_10, Awesomesauce_11, Babsiella_12, Batiatus_10, Beakin_11, BigPhil_11, Bipolar_10, Blexus_10, BlueCrab_10, BobaPhett_10, Bobi_11, Boomer_11, Brocalys_10, Brujita_12, Bubbles123_10, Burwell21_10, BuzzLyseyear_11, ByChance_10, Byougenkin_10, Cabrinians_10, Cerasum_11, Che8_10, Che9c_11, ChickenDinner_11, Chuckly_10, Clifton_10, Coco12_11, Cornucopia_11, Crumble_10, DLane_10, DRBy19_10, DaWorst_11, DaddyRickover_10, Daenerys_10, Dante_10, DeadP_10, Deb65_10, DirtMcgirt_11, Donkeykong_10, Doomphist_10, Dorothy_10, DotProduct_10, Doug_10, Drago_11, Eish_10, EleanorGeorge_10, Emma_10, Empress_10, Enby_11, Eradicator_10, Fancypants_10, Fastidio_10, Firehouse51_10, Flathead_11, Florinda_10, Frankie_11, GUmbe_10, Galactic_10, Gandolph_10, Geralt_10, GigiOuiOui_10, Girafales_11, Girr_10, Gorge_10, Guppsters_10, HC_12, Hades_10, Hamulus_10, Harley_10, Hegedechwinu_11, Hlubikazi_10, IbOuu_10, Inventum_10, IrishSherpFalk_10, Island3_12, JalFarm20_11, Jarcob_10, Job42_11, JoeyJr_10, Juice456_11, Karhdo_10, Kenuha5_10, Kersh_10, Kimberlium_11, Kingsley_11, Koella_10, KristaRAM_11, Latretium_10, Leozinho_11, Leperchaun_10, LilMoolah_10, LittleShirley_11, Lizziana_10, Llama_10, Llij_10, Lorde_11, LunaBlu_10, LunaStella_11, MadMen_10, Madiba_11, Mahavrat_10, Mandlovu_10, Mantra_10, Maravista_10, Martik_10, Mattes_10, MilanaBonita_11, MilleniumForce_11, MinionDave_11, Minnie_10, Misha28_11, MisterCuddles_10, Modragons_10, MooMoo_10, Moonbeam_10, Mova_11, Mozy_11, MulchSalad_10, Mutaforma13_10, Nimbo_10, Nitzel_11, Nivrat_10, NormanBulbieJr_10, Ochi17_10, OfUltron_10, Ogotopogo_13, OldBen_10, OlympiaSaint_10, Ovechkin_10, OwlsT2W_11, PHappiness_10, PMC_10, Pacc40_10, Phalconet_10, Phanphagia_10, Phasih_10, Phatniss_10, Philus_10, Piper2020_11, Plumbus_11, Poenanya_10, Polka14_10, Pollywog_11, PopTart_10, Priscilla_10, QueenHazel_12, QuickMath_10, Quico_11, Radiance_10, Ramsey_11, RedBird_10, Renaud18_11, Rialto_11, RitaG_10, Rita_10, Rockne_10, RockyHorror_11, Royals2015_10, Ruby_10, SG4_10, Saal_10, Sabbb_10, Sandalphon_10, Sarma624_11, Sassafras_10, SassyB_10, Sbash_11, Scottish_10, Sebastian_10, Seagreen_11, Shauna1_10, ShiLan_10, ShroomBoi_10, SiSi_10, SimranZ1_11, Sparkdehlily_10, Spartacus_10, Spikelee_11, Spoonbill_10, Squirty_11, StAnnes_10, Stap_11, Starcevich_11, Strokeseat_10, SuperGrey_10, SwagPiggett_10, TChen_11, TDanisky_10, Taj_10, ThetaBob_11, TootsiePop_11, Tootsieroll_11, Totinger_11, Tweety_10, UncleRicky_11, VRedHorse_10, Velveteen_11, Veteran_10,

Wachhund_10, Wee_10, Whatsapiecost_10, Whouxphf_10, WillSterrel_10, XFactor_10, Xula_11, Yorick_10, Zerg_10, Zizzle_10,

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

• BodEinwohner17_10, Estave1_10, FreddyB_10, Ibhubesi_10, Jinglebell_10, Juniper1_10, Pippy_10,

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

• 244_18, ABCat_17, Adnama_19, Aggie_12, Alkhayr_44, Amao_18, AmericanBeauty_19, Andies_12, Argent26_19, Arib1_13, Ashwin_45, Asriel_17, Atcoo_13, BabeRuth_12, BaboJay_17, BadStone_17, Balomoji_17, Barbarian_17, Bartholomew_13, Bask21_17, Bench_19, BigBubba_17, BigNuz_12, BilboSwaggins_18, Blessica_47, Bogie_12, Bora_43, Bosection6_12, Bruin_17, Brusacoram_13, Buck_17, BugsBunny_15, Bunnies_13, Butters_12, CactusJack_13, Cactus_19, Camster_13, Carcharodon_12, Catdawg_46, Charlie_12, Chewbacca_12, ChosenOne_16, ChotaBhai_17, Cjw1_17, Command613_19, Contagion_17, Cookies_18, Corndog_48, Cornie_11, CrystalP_18, Czystoczon1_18, Daikon_16, DoctorDiddles_18, Donovan_13, DrDrey_18, Dumbo_17, Duplicity_12, Dusk_17, Dylan_45, Dynamo_13, Easy2Say_18, Elite2014_16, Elph10_18, Emmina_17, Eureka_18, Familton_47, Filch_18, FireRed_17, Firecracker_46, FirstPlacePfu_13, Fishburne_13, Flypotenuse_16, FoulBall_43, Fulbright_12, Gage_19, Gator_16, Gemini_19, Gex_12, Glaske_13, Glexan_16, Goku_18, GoldenSpark_19, Goldilocks_19, GooberAzure_19, GreaseLightnin_13, HUHilltop_13, HanKaySha_18, Harella_16, Henry_18, Highbury_18, Holt_19, Hoonter_19, Hopey_18, HufflyPuff_16, IHOP_17, Icee_17, Idergollasper_46, Inca_17, Jamie19_12, JangDynasty_46, JeTaimé_19, Jebeks_13, Journey_12, Jung_13, Juniormint_13, Kanye_19, Kari_13, Kevin1_12, KilKor_13, Kimchi_19, Kostya_18, Krili_45, Ksquared_13, Langerak_13, Lilac_19, Lilizi_19, Lilpickle_16, MISSy_17, MPhalcon_17, MadKillah_47, MadamMonkfish_17, Magsby_12, Majeke_13, Malithi_13, Manda_18, Mangethe_13, Marshmallow_18, Maxxinista_18, Megiddo_13, Melville_12, MichelleMyBell_12, Mindy_18, Miniwave_18, Misfit_17, Moldemort_18, Mori_45, Mosby_17, Murai_46, Murica_16, Murphy_17, Myrale_18, Nala_17, Nazo_12, Necropolis_13, NelitzaMV_18, Nenae_12, NiebruSaylor_45, Nimrod_17, NoSleep_18, OrionPax_18, Palpatine_17, Panchino_12, Paperbeatsrock_19, Parmesanjohn_12, Pat3_17, Petra64142_18, Phaja_17, Phalm_13, PhancyPhin_12, Pharsalus_18, PhatBacter_17, Phaux_16, Phayonce_12, Phegasus_13, Philonius_12, Phineas_13, Phloss_12, Phrann_12, Phrux_17, Pipsqueaks_12, Policronamos_17, Polkaroo_13, Porky_16, Pumpkin_18, Purgamenstris_12, Purky_12, Pygmy_12, Quallification_19, Rakim_19, Raymond7_12, Rebel_12, Redi_12, Rimmer_17, RiverMonster_17, Rubeelu_12, Ryadel_50, Saints25_18, Sassay_17, Schnauzer_12, SchoolBus_46, Schuy_44, Scitech_12, ShamWow_18, ShereKhan_19, Shida_46, Shipwreck_12, ShrimpFriedEgg_12, Shweta_12, Silvafighter_12, Silvy_12, Simpliphy_18, SirDuracell_17, SkinnyPete_12, Smooch_48, Smurph_12, Snekmaggedon_12, Sonah_13, SophKB_18, Sotrice96_18, SpongeBob_12, Stank_19, Stark_18, StellaBean_18, StevieRay_13, StolenFromERC_19, StressBall_13, TBrady12_19, Tapioca_12, Tarkin_19, TeardropMSU_17, Teaspoon_17, Techage_13, TelAviv_43, Terminus_17, Thespis_13, Thresher_18, ThulaThula_12, Tomaszewski_17, Tortellini_12, Toto_18, Traaww1_16, Tuco_18, Ukulele_17, Venti_13, Vidya_13, Vorrrps_45, Wiggin_19, Wildflower_44, Willez_17, Willsammy_13, Winget_47, Xandras_19, Xavia_13, Xeno_12, Xerxes_12, YassJohnny_18, Youngblood_17, YungJamal_49, Zakhe101_46, Zilizebeth_13, xkcd_18,

Summary by start number:

Start 14:

- Found in 78 of 471 (16.6%) of genes in pham
- Manual Annotations of this start: 67 of 431
- Called 98.7% of time when present
- Phage (with cluster) where this start called: Alkhayr_44 (O), Arib1_13 (P1), Ashwin_45 (O), Atcoo_13 (P1), Bartholomew_13 (P1), BigNuz_12 (P4), Blessica_47 (O), Bogie_12 (P1), Bora_43 (O), Brusacoram_13 (P1), Bunnies_13 (P1), CactusJack_13 (P1), Camster_13 (P1), Catdawg_46 (O), Corndog_48 (O), Donovan_13 (P1), Dylan_45 (O), Dynamo_13 (P1), Familton_47 (O), Firecracker_46 (O), FirstPlacePfu_13 (P1), Fishburne_13 (P1), FoulBall_43 (O), Glaske_13 (P1), GreaseLightnin_13 (P1), HUHilltop_13 (P1), Idergollasper_46 (O), JangDynasty_46 (O), Jebeks_13 (P1), Jung_13 (P1), Juniormint_13 (P1), Kari_13 (P1), KilKor_13 (P1), Krili_45 (O), Ksquared_13 (P1), Langerak_13 (P1), MadKillah_47 (O), Majeke_13 (P1), Malithi_13 (P1), Mangethe_13 (P1), Megiddo_13 (P1), Mori_45 (O), Murai_46 (O), Nazo_12 (P4), Necropolis_13 (P1), NiebruSaylor_45 (O), Phalm_13 (P1), Phayonce_12 (P5), Phegasus_13 (P1), Phineas_13 (P1), Polkaroo_13 (P1), Purky_12 (P6), Pygmy_12 (P1), Ryadel_50 (O), SchoolBus_46 (O), Schuy_44 (O), Shida_46 (O), Shipwreck_12 (P1), Smooch_48 (O), Sonah_13 (P1), StevieRay_13 (P1), StressBall_13 (P1), Techage_13 (P1), TelAviv_43 (O), Thespis_13 (P1), ThulaThula_12 (P5), Tortellini_12 (P2), Venti_13 (P1), Vidya_13 (P1), Vorrrps_45 (O), Wildflower_44 (O), Willsammy_13 (P1), Winget_47 (O), Xavia_13 (P3), YungJamal_49 (O), Zakhe101_46 (O), Zilizebeth_13 (P1),

Start 15:

- Found in 43 of 471 (9.1%) of genes in pham
- Manual Annotations of this start: 38 of 431
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aggie_12 (N), Andies_12 (N), BabeRuth_12 (N), Bosection6_12 (N), Butters_12 (N), Carcharodon_12 (N), Charlie_12 (N), Chewbacca_12 (N), Duplicity_12 (N), Fulbright_12 (N), Gex_12 (N), Jamie19_12 (N), Journey_12 (N), Kevin1_12 (N), Magsby_12 (N), Melville_12 (N), MichelleMyBell_12 (N), Nenae_12 (N), Panchino_12 (N), Parmesanjohn_12 (N), PhancyPhin_12 (N), Philonius_12 (N), Phloss_12 (N), Phrann_12 (N), Pipsqueaks_12 (N), Purgamenstris_12 (N), Raymond7_12 (N), Rebel_12 (N), Redi_12 (N), Rubeelu_12 (N), Schnauzer_12 (N), Scitech_12 (N), ShrimpFriedEgg_12 (N), Shweta_12 (N), Silvafighter_12 (N), Silvy_12 (N), SkinnyPete_12 (N), Smurph_12 (N), Snekmaggedon_12 (N), SpongeBob_12 (N), Tapioca_12 (N), Xeno_12 (N), Xerxes_12 (N),

Start 16:

- Found in 130 of 471 (27.6%) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present
- Phage (with cluster) where this start called: Amao_18 (E),

Start 20:

- Found in 130 of 471 (27.6%) of genes in pham
- Manual Annotations of this start: 119 of 431
- Called 99.2% of time when present
- Phage (with cluster) where this start called: 244_18 (E), ABCat_17 (E), Adnama_19 (E), AmericanBeauty_19 (E), Argent26_19 (E), Asriel_17 (E), BaboJay_17 (E),

BadStone_17 (E), Balomoji_17 (E), Barbarian_17 (E), Bask21_17 (E), Bench_19 (E), BigBubba_17 (E), BilboSwaggins_18 (E), Bruin_17 (E), Buck_17 (E), BugsBunny_15 (E), Cactus_19 (E), ChosenOne_16 (E), ChotaBhai_17 (E), Cjw1_17 (E), Command613_19 (E), Contagion_17 (E), Cookies_18 (E), CrystalP_18 (E), Czyszczonek_18 (E), Daikon_16 (E), DoctorDiddles_18 (E), DrDrey_18 (E), Dumbo_17 (E), Dusk_17 (E), Easy2Say_18 (E), Elite2014_16 (E), Elph10_18 (E), Emmina_17 (E), Eureka_18 (E), Filch_18 (E), FireRed_17 (E), Flypotenuse_16 (E), Gage_19 (E), Gator_16 (E), Gemini_19 (E), Glexan_16 (E), Goku_18 (E), GoldenSpark_19 (E), Goldilocks_19 (E), GooberAzure_19 (E), HanKaySha_18 (E), Harella_16 (E), Henry_18 (E), Highbury_18 (E), Holt_19 (E), Hoonter_19 (E), Hokey_18 (E), HufflyPuff_16 (E), IHOP_17 (E), Icee_17 (E), Inca_17 (E), JeTaimie_19 (E), Kanye_19 (E), Kimchi_19 (E), Kostya_18 (E), Lilac_19 (E), Lilizi_19 (E), Lilpickle_16 (E), MISSy_17 (E), MPhalcon_17 (E), MadamMonkfish_17 (E), Manda_18 (E), Marshmallow_18 (E), Maxxinista_18 (E), Mindy_18 (E), Miniwave_18 (E), Misfit_17 (E), Moldemort_18 (E), Mosby_17 (E), Murica_16 (E), Murphy_17 (E), Myrale_18 (E), Nala_17 (E), NelitzaMV_18 (E), Nimrod_17 (E), NoSleep_18 (E), OrionPax_18 (E), Palpatine_17 (E), Paperbeatsrock_19 (E), Pat3_17 (E), Petra64142_18 (E), Phaja_17 (E), Pharsalus_18 (E), PhatBacter_17 (E), Phaux_16 (E), Phrux_17 (E), Policronamos_17 (E), Porky_16 (E), Pumpkin_18 (E), Quallification_19 (E), Rakim_19 (E), Rimmer_17 (E), RiverMonster_17 (E), Saints25_18 (E), Sassay_17 (E), ShamWow_18 (E), ShereKhan_19 (E), Simpliphy_18 (E), SirDuracell_17 (E), SophKB_18 (E), Sotrice96_18 (E), Stank_19 (E), Stark_18 (E), StellaBean_18 (E), StolenFromERC_19 (E), TBrady12_19 (E), Tarkin_19 (E), TeardropMSU_17 (E), Teaspoon_17 (E), Terminus_17 (E), Thresher_18 (E), Tomaszewski_17 (E), Toto_18 (E), Traaww1_16 (E), Tuco_18 (E), Ukulele_17 (E), Wiggin_19 (E), Willez_17 (E), Xandras_19 (E), YassJohnny_18 (E), Youngblood_17 (E), xkcd_18 (E),

Start 21:

- Found in 220 of 471 (46.7%) of genes in pham
- Manual Annotations of this start: 201 of 431
- Called 96.8% of time when present
- Phage (with cluster) where this start called: Akhila_11 (F1), Alexphander_11 (F1), AlpineSix_10 (F1), ArcusAngelus_10 (F1), Ardmore_10 (F1), Aubs_10 (F1), Awesomesauce_11 (F1), Babsiella_12 (I1), Batiatus_10 (F1), Beakin_11 (F1), BigPhil_11 (F1), Bipolar_10 (F1), Blexus_10 (F1), BlueCrab_10 (F1), BobaPhett_10 (F1), Bobi_11 (F1), Boomer_11 (F1), Brocalys_10 (F1), Brujita_12 (I1), Bubbles123_10 (F1), Burwell21_10 (F1), BuzzLyseyear_11 (F1), ByChance_10 (F1), Byougenkin_10 (F1), Cabrinians_10 (F1), Cerasum_11 (F1), Che8_10 (F1), Che9c_11 (I2), ChickenDinner_11 (F1), Chuckly_10 (F1), Clifton_10 (F1), Coco12_11 (F1), Cornucopia_11 (F1), Crumble_10 (F1), DLane_10 (F1), DRBy19_10 (F1), DaWorst_11 (F1), DaddyRickover_10 (F1), Daenerys_10 (F1), Dante_10 (F1), DeadP_10 (F1), Deb65_10 (F1), DirtMcgirt_11 (F1), Donkeykong_10 (F1), Doomphist_10 (F1), Dorothy_10 (F1), DotProduct_10 (F1), Doug_10 (F1), Drago_11 (F1), Eish_10 (F1), EleanorGeorge_10 (F1), Emma_10 (F1), Empress_10 (F1), Enby_11 (F1), Eradicator_10 (F1), Fancypants_10 (F1), Fastidio_10 (F1), Firehouse51_10 (F1), Flathead_11 (F1), Florinda_10 (F1), Frankie_11 (F1), GUmbe_10 (F1), Galactic_10 (F1), Gandolph_10 (F1), Geralt_10 (F1), GigiOuiOui_10 (F1), Girafales_11 (F1), Girr_10 (F1), Gorge_10 (F1), Guppsters_10 (F1), HC_12 (I1), Hades_10 (F1), Hamulus_10 (F1), Harley_10 (F1), Hegedechwinu_11 (F1), Hlubikazi_10 (F1), IbOuu_10 (F1), Inventum_10 (F1), IrishSherpFalk_10 (F1), Island3_12 (I1), JalFarm20_11 (F1), Jarcob_10 (F1), Job42_11 (F1), JoeyJr_10 (F1), Juice456_11 (F1), Karhdo_10 (F1), Kenuha5_10

(F1), Kersh_10 (F1), Kimberlium_11 (F1), Kingsley_11 (F1), Koella_10 (F1), KristaRAM_11 (F1), Latretium_10 (F1), Leozinho_11 (F1), Leperchaun_10 (F1), LilMoolah_10 (F1), LittleShirley_11 (F1), Lizziana_10 (F1), Llama_10 (F1), Llij_10 (F1), Lorde_11 (F1), LunaBlu_10 (F1), LunaStella_11 (F4), MadMen_10 (F1), Madiba_11 (F1), Mahavrat_10 (F1), Mandlovu_10 (F1), Mantra_10 (F1), Maravista_10 (F1), Martik_10 (F1), Mattes_10 (F1), MilanaBonita_11 (F1), MilleniumForce_11 (F1), MinionDave_11 (F1), Minnie_10 (F1), Misha28_11 (F1), MisterCuddles_10 (F1), Modragons_10 (F1), MooMoo_10 (singleton), Moonbeam_10 (F1), Mova_11 (F1), Mozy_11 (F1), MulchSalad_10 (F), Mutaforma13_10 (F1), Nimbo_10 (F1), Nitzel_11 (F1), Nivrat_10 (F1), NormanBulbieJr_10 (F1), Ochi17_10 (F1), OfUltron_10 (F1), Ogopogo_13 (F1), OldBen_10 (F1), OlympiaSaint_10 (F1), Ovechkin_10 (F1), OwlsT2W_11 (F1), PHappiness_10 (F1), PMC_10 (F1), Pacc40_10 (F1), Phalconet_10 (F1), Phanphagia_10 (F1), Phasih_10 (F1), Phatniss_10 (F1), Philus_10 (F1), Piper2020_11 (F1), Plumbus_11 (F1), Poenanya_10 (F1), Polka14_10 (F1), Pollywog_11 (F1), PopTart_10 (F1), Priscilla_10 (F1), QueenHazel_12 (I1), QuickMath_10 (F1), Quico_11 (F1), Radiance_10 (F1), Ramsey_11 (F1), RedBird_10 (F1), Renaud18_11 (F4), Rialto_11 (F1), RitaG_10 (F1), Rita_10 (F1), Rockne_10 (F1), RockyHorror_11 (F1), Royals2015_10 (F1), Ruby_10 (F1), SG4_10 (F1), Saal_10 (F1), Sabbb_10 (F1), Sandalphon_10 (F1), Sarma624_11 (F1), Sassafras_10 (F1), SassyB_10 (F1), Sbash_11 (I2), Scottish_10 (F1), Sebastian_10 (F1), Seagreen_11 (F1), Shauna1_10 (F1), ShiLan_10 (F1), ShroomBoi_10 (F1), SiSi_10 (F1), SimranZ1_11 (F1), Sparkdehlily_10 (F1), Spartacus_10 (F1), Spikelee_11 (F1), Spoonbill_10 (F1), Squirty_11 (F3), StAnnes_10 (F1), Stap_11 (F1), Starceвич_11 (F1), Strokeseat_10 (F1), SuperGrey_10 (F1), SwagPiggett_10 (F1), TChen_11 (F4), TDanisky_10 (F1), Taj_10 (F1), ThetaBob_11 (F4), TootsiePop_11 (F1), Tootsieroll_11 (F1), Totinger_11 (F1), Tweety_10 (F1), UncleRicky_11 (F1), VRedHorse_10 (F1), Velveteen_11 (F1), Veteran_10 (F1), Wachhund_10 (F1), Wee_10 (F1), Whatsapiecost_10 (F1), Whouxphf_10 (F1), WillSterrel_10 (F1), XFactor_10 (F1), Xula_11 (I1), Yorick_10 (F1), Zerg_10 (F1), Zizzle_10 (F1),

Start 22:

- Found in 17 of 471 (3.6%) of genes in pham
- Manual Annotations of this start: 2 of 431
- Called 11.8% of time when present
- Phage (with cluster) where this start called: FreddyB_10 (F1), Pippy_10 (F1),

Start 23:

- Found in 1 of 471 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 431
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cornie_11 (F5),

Start 25:

- Found in 124 of 471 (26.3%) of genes in pham
- Manual Annotations of this start: 2 of 431
- Called 1.6% of time when present
- Phage (with cluster) where this start called: Estave1_10 (F1), Ibhubesi_10 (F1),

Start 26:

- Found in 239 of 471 (50.7%) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present

- Phage (with cluster) where this start called: Jinglebell_10 (F1), Juniper1_10 (F1),

Start 29:

- Found in 147 of 471 (31.2%) of genes in pham
- Manual Annotations of this start: 1 of 431
- Called 0.7% of time when present
- Phage (with cluster) where this start called: BodEinwohner17_10 (F1),

Summary by clusters:

There are 17 clusters represented in this pham: P2, F1, F, P1, E, F5, P4, P3, I1, F4, P5, singleton, O, N, F3, P6, I2,

Info for manual annotations of cluster E:

- Start number 20 was manually annotated 119 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 21 was manually annotated 188 times for cluster F1.
- Start number 22 was manually annotated 2 times for cluster F1.
- Start number 25 was manually annotated 2 times for cluster F1.
- Start number 29 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F3:

- Start number 21 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 21 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 23 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I1:

- Start number 21 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 21 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster N:

- Start number 15 was manually annotated 38 times for cluster N.

Info for manual annotations of cluster O:

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

Info for manual annotations of cluster P1:

- Start number 14 was manually annotated 38 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 14 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 14 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 14 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 14 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 14 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: 244_18 Start: 10172, Stop: 10576, Start Num: 20

Candidate Starts for 244_18:

(13, 10139), (16, 10160), (Start: 20 @10172 has 119 MA's), (46, 10343), (48, 10355), (56, 10412), (72, 10481), (81, 10562), (82, 10571),

Gene: ABCat_17 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for ABCat_17:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: Adnama_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Adnama_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Aggie_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Aggie_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Akhila_11 Start: 7745, Stop: 8152, Start Num: 21

Candidate Starts for Akhila_11:

(8, 7667), (12, 7700), (Start: 21 @7745 has 201 MA's), (24, 7778), (26, 7784), (33, 7826), (35, 7841), (38, 7856), (41, 7874), (44, 7901), (46, 7910), (47, 7916), (53, 7952), (55, 7964), (56, 7979), (60, 7994), (61, 8003), (63, 8009), (66, 8030), (68, 8036), (73, 8060), (74, 8063), (78, 8114),

Gene: Alexphander_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Alexphander_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (62, 7209), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: Alkhayr_44 Start: 23287, Stop: 23739, Start Num: 14

Candidate Starts for Alkhayr_44:

(9, 23245), (Start: 14 @23287 has 67 MA's), (Start: 25 @23380 has 2 MA's), (26, 23383), (Start: 29 @23401 has 1 MA's), (40, 23464), (45, 23506), (49, 23524), (50, 23536), (56, 23587), (57, 23590), (65, 23614), (71, 23635), (72, 23641),

Gene: AlpineSix_10 Start: 7094, Stop: 7498, Start Num: 21

Candidate Starts for AlpineSix_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (57, 7331), (62, 7355), (72,

7406), (74, 7412), (77, 7454), (78, 7463),

Gene: Amao_18 Start: 10140, Stop: 10556, Start Num: 16

Candidate Starts for Amao_18:

(13, 10119), (16, 10140), (Start: 20 @10152 has 119 MA's), (46, 10323), (48, 10335), (56, 10392), (72, 10461), (81, 10542), (82, 10551),

Gene: AmericanBeauty_19 Start: 10401, Stop: 10805, Start Num: 20

Candidate Starts for AmericanBeauty_19:

(13, 10368), (16, 10389), (Start: 20 @10401 has 119 MA's), (46, 10572), (48, 10584), (56, 10641), (72, 10710), (81, 10791), (82, 10800),

Gene: Andies_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Andies_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: ArcusAngelus_10 Start: 7087, Stop: 7494, Start Num: 21

Candidate Starts for ArcusAngelus_10:

(10, 7018), (12, 7042), (Start: 21 @7087 has 201 MA's), (24, 7120), (26, 7126), (33, 7168), (35, 7183), (38, 7198), (41, 7216), (44, 7243), (46, 7252), (47, 7258), (53, 7294), (55, 7306), (56, 7321), (60, 7336), (61, 7345), (63, 7351), (66, 7372), (68, 7378), (73, 7402), (74, 7405), (78, 7456),

Gene: Ardmore_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Ardmore_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Argent26_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Argent26_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Arib1_13 Start: 8287, Stop: 8724, Start Num: 14

Candidate Starts for Arib1_13:

(Start: 14 @8287 has 67 MA's), (28, 8353), (56, 8545), (57, 8548), (64, 8584), (71, 8617), (79, 8692), (80, 8698),

Gene: Ashwin_45 Start: 23285, Stop: 23737, Start Num: 14

Candidate Starts for Ashwin_45:

(Start: 14 @23285 has 67 MA's), (Start: 25 @23378 has 2 MA's), (26, 23381), (Start: 29 @23399 has 1 MA's), (40, 23462), (45, 23504), (49, 23522), (50, 23534), (56, 23585), (57, 23588), (65, 23612), (71, 23633), (72, 23639),

Gene: Asriel_17 Start: 9819, Stop: 10223, Start Num: 20

Candidate Starts for Asriel_17:

(13, 9786), (16, 9807), (Start: 20 @9819 has 119 MA's), (46, 9990), (48, 10002), (56, 10059), (72, 10128), (81, 10209), (82, 10218),

Gene: Atcoo_13 Start: 8310, Stop: 8747, Start Num: 14

Candidate Starts for Atcoo_13:

(5, 8229), (Start: 14 @8310 has 67 MA's), (28, 8376), (56, 8568), (57, 8571), (64, 8607), (71, 8640), (79, 8715), (80, 8721),

Gene: Aubs_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Aubs_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Awesomesauce_11 Start: 6951, Stop: 7355, Start Num: 21

Candidate Starts for Awesomesauce_11:

(Start: 21 @6951 has 201 MA's), (24, 6984), (Start: 25 @6987 has 2 MA's), (26, 6990), (Start: 29 @7008 has 1 MA's), (33, 7032), (35, 7047), (37, 7059), (44, 7107), (46, 7116), (47, 7122), (55, 7170), (56, 7185), (72, 7263), (74, 7269), (76, 7308), (77, 7311), (78, 7320),

Gene: BabeRuth_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for BabeRuth_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: BaboJay_17 Start: 10483, Stop: 10887, Start Num: 20

Candidate Starts for BaboJay_17:

(13, 10450), (16, 10471), (Start: 20 @10483 has 119 MA's), (46, 10654), (48, 10666), (56, 10723), (72, 10792), (81, 10873), (82, 10882),

Gene: Babsiella_12 Start: 8354, Stop: 8773, Start Num: 21

Candidate Starts for Babsiella_12:

(Start: 21 @8354 has 201 MA's), (27, 8411), (30, 8423), (45, 8528), (56, 8600), (72, 8675), (75, 8696), (77, 8720),

Gene: BadStone_17 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for BadStone_17:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: Balomoji_17 Start: 10681, Stop: 11085, Start Num: 20

Candidate Starts for Balomoji_17:

(13, 10648), (16, 10669), (Start: 20 @10681 has 119 MA's), (46, 10852), (48, 10864), (56, 10921), (72, 10990), (81, 11071), (82, 11080),

Gene: Barbarian_17 Start: 9819, Stop: 10223, Start Num: 20

Candidate Starts for Barbarian_17:

(13, 9786), (16, 9807), (Start: 20 @9819 has 119 MA's), (46, 9990), (48, 10002), (56, 10059), (72, 10128), (81, 10209), (82, 10218),

Gene: Bartholomew_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Bartholomew_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Bask21_17 Start: 9614, Stop: 10018, Start Num: 20

Candidate Starts for Bask21_17:

(13, 9581), (16, 9602), (Start: 20 @9614 has 119 MA's), (46, 9785), (48, 9797), (56, 9854), (72, 9923), (81, 10004), (82, 10013),

Gene: Batiatus_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Batiatus_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Beakin_11 Start: 6951, Stop: 7355, Start Num: 21

Candidate Starts for Beakin_11:

(Start: 21 @6951 has 201 MA's), (26, 6990), (33, 7032), (35, 7047), (37, 7059), (46, 7116), (47, 7122), (55, 7170), (56, 7185), (57, 7188), (62, 7212), (72, 7263), (74, 7269), (76, 7308), (77, 7311), (78, 7320),

Gene: Bench_19 Start: 10277, Stop: 10681, Start Num: 20

Candidate Starts for Bench_19:

(13, 10244), (16, 10265), (Start: 20 @10277 has 119 MA's), (46, 10448), (48, 10460), (56, 10517), (72, 10586), (81, 10667), (82, 10676),

Gene: BigBubba_17 Start: 9660, Stop: 10064, Start Num: 20

Candidate Starts for BigBubba_17:

(13, 9627), (16, 9648), (Start: 20 @9660 has 119 MA's), (46, 9831), (48, 9843), (56, 9900), (72, 9969), (81, 10050), (82, 10059),

Gene: BigNuz_12 Start: 8018, Stop: 8455, Start Num: 14

Candidate Starts for BigNuz_12:

(Start: 14 @8018 has 67 MA's), (56, 8276), (64, 8315), (71, 8348), (79, 8423), (80, 8429),

Gene: BigPhil_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for BigPhil_11:

(Start: 21 @6947 has 201 MA's), (26, 6986), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (66, 7232), (67, 7235), (72, 7259), (74, 7265), (76, 7304), (77, 7307), (78, 7316),

Gene: BilboSwaggins_18 Start: 10948, Stop: 11352, Start Num: 20

Candidate Starts for BilboSwaggins_18:

(13, 10915), (16, 10936), (Start: 20 @10948 has 119 MA's), (46, 11119), (48, 11131), (56, 11188), (72, 11257), (81, 11338), (82, 11347),

Gene: Bipolar_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Bipolar_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (26, 7136), (35, 7193), (38, 7208), (41, 7226), (42, 7232), (43, 7241), (44, 7253), (46, 7262), (47, 7268), (52, 7292), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (74, 7415), (78, 7466),

Gene: Blessica_47 Start: 23688, Stop: 24140, Start Num: 14

Candidate Starts for Blessica_47:

(Start: 14 @23688 has 67 MA's), (Start: 25 @23781 has 2 MA's), (26, 23784), (Start: 29 @23802 has 1 MA's), (40, 23865), (45, 23907), (49, 23925), (50, 23937), (56, 23988), (57, 23991), (65, 24015), (71, 24036), (72, 24042),

Gene: Blexus_10 Start: 7111, Stop: 7515, Start Num: 21

Candidate Starts for Blexus_10:

(Start: 21 @7111 has 201 MA's), (26, 7150), (Start: 29 @7168 has 1 MA's), (33, 7192), (35, 7207), (37, 7219), (38, 7222), (44, 7267), (46, 7276), (47, 7282), (55, 7330), (56, 7345), (72, 7423), (74, 7429), (76, 7468), (77, 7471), (78, 7480),

Gene: BlueCrab_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for BlueCrab_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: BobaPhett_10 Start: 7087, Stop: 7491, Start Num: 21

Candidate Starts for BobaPhett_10:

(Start: 21 @7087 has 201 MA's), (26, 7126), (33, 7168), (35, 7183), (37, 7195), (46, 7252), (55, 7306), (56, 7321), (59, 7333), (62, 7348), (72, 7399), (73, 7402), (74, 7405), (77, 7447), (78, 7456),

Gene: Bobi_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Bobi_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (57, 7185), (62, 7209), (72, 7260), (74, 7266), (77, 7308), (78, 7317),

Gene: BodEinwohner17_10 Start: 7152, Stop: 7499, Start Num: 29

Candidate Starts for BodEinwohner17_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Bogie_12 Start: 8023, Stop: 8460, Start Num: 14

Candidate Starts for Bogie_12:

(Start: 14 @8023 has 67 MA's), (56, 8281), (57, 8284), (71, 8353), (79, 8428), (80, 8434),

Gene: Boomer_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Boomer_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (38, 7059), (44, 7104), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: Bora_43 Start: 22738, Stop: 23190, Start Num: 14

Candidate Starts for Bora_43:

(Start: 14 @22738 has 67 MA's), (Start: 25 @22831 has 2 MA's), (26, 22834), (Start: 29 @22852 has 1 MA's), (40, 22915), (45, 22957), (49, 22975), (50, 22987), (56, 23038), (57, 23041), (65, 23065), (71, 23086), (72, 23092),

Gene: Bosection6_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Bosection6_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Brocalys_10 Start: 7084, Stop: 7488, Start Num: 21

Candidate Starts for Brocalys_10:

(Start: 21 @7084 has 201 MA's), (Start: 22 @7087 has 2 MA's), (24, 7117), (Start: 25 @7120 has 2 MA's), (26, 7123), (Start: 29 @7141 has 1 MA's), (33, 7165), (35, 7180), (37, 7192), (44, 7240), (46, 7249), (47, 7255), (55, 7303), (56, 7318), (72, 7396), (74, 7402), (76, 7441), (77, 7444), (78, 7453),

Gene: Bruin_17 Start: 10455, Stop: 10859, Start Num: 20

Candidate Starts for Bruin_17:

(13, 10422), (16, 10443), (Start: 20 @10455 has 119 MA's), (46, 10626), (48, 10638), (56, 10695), (72, 10764), (81, 10845), (82, 10854),

Gene: Brujita_12 Start: 8355, Stop: 8774, Start Num: 21

Candidate Starts for Brujita_12:

(Start: 21 @8355 has 201 MA's), (27, 8412), (30, 8424), (45, 8529), (56, 8601), (57, 8604), (72, 8676), (75, 8697), (77, 8721),

Gene: Brusacoram_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for Brusacoram_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: Bubbles123_10 Start: 7114, Stop: 7518, Start Num: 21

Candidate Starts for Bubbles123_10:

(Start: 21 @7114 has 201 MA's), (26, 7153), (33, 7195), (35, 7210), (37, 7222), (38, 7225), (44, 7270), (46, 7279), (47, 7285), (55, 7333), (56, 7348), (57, 7351), (72, 7426), (74, 7432), (76, 7471), (77, 7474), (78, 7483),

Gene: Buck_17 Start: 10904, Stop: 11308, Start Num: 20

Candidate Starts for Buck_17:

(13, 10871), (16, 10892), (Start: 20 @10904 has 119 MA's), (46, 11075), (48, 11087), (56, 11144), (72, 11213), (81, 11294), (82, 11303),

Gene: BugsBunny_15 Start: 10021, Stop: 10425, Start Num: 20

Candidate Starts for BugsBunny_15:

(13, 9988), (16, 10009), (Start: 20 @10021 has 119 MA's), (46, 10192), (48, 10204), (56, 10261), (72, 10330), (81, 10411), (82, 10420),

Gene: Bunnies_13 Start: 8322, Stop: 8759, Start Num: 14

Candidate Starts for Bunnies_13:

(5, 8241), (Start: 14 @8322 has 67 MA's), (28, 8388), (56, 8580), (57, 8583), (64, 8619), (71, 8652), (79, 8727), (80, 8733),

Gene: Burwell21_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Burwell21_10:

(Start: 21 @7095 has 201 MA's), (24, 7128), (Start: 25 @7131 has 2 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (66, 7380), (67, 7383), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Butters_12 Start: 7363, Stop: 7782, Start Num: 15

Candidate Starts for Butters_12:

(2, 7192), (Start: 15 @7363 has 38 MA's), (Start: 25 @7408 has 2 MA's), (46, 7534), (56, 7612), (68, 7666), (71, 7681), (72, 7687),

Gene: BuzzLyseyear_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for BuzzLyseyear_11:

(Start: 21 @6947 has 201 MA's), (26, 6986), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (72, 7259), (74, 7265), (77, 7307), (78, 7316),

Gene: ByChance_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for ByChance_10:

(Start: 21 @7097 has 201 MA's), (Start: 22 @7100 has 2 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: Byougenkin_10 Start: 7088, Stop: 7492, Start Num: 21

Candidate Starts for Byougenkin_10:

(Start: 21 @7088 has 201 MA's), (24, 7121), (Start: 25 @7124 has 2 MA's), (26, 7127), (Start: 29 @7145 has 1 MA's), (33, 7169), (35, 7184), (37, 7196), (38, 7199), (44, 7244), (46, 7253), (47, 7259), (55, 7307), (56, 7322), (72, 7400), (74, 7406), (76, 7445), (77, 7448), (78, 7457),

Gene: Cabrinians_10 Start: 7087, Stop: 7491, Start Num: 21

Candidate Starts for Cabrinians_10:

(Start: 21 @7087 has 201 MA's), (Start: 22 @7090 has 2 MA's), (24, 7120), (Start: 25 @7123 has 2 MA's), (26, 7126), (Start: 29 @7144 has 1 MA's), (33, 7168), (35, 7183), (37, 7195), (44, 7243), (46, 7252), (47, 7258), (55, 7306), (56, 7321), (72, 7399), (74, 7405), (76, 7444), (77, 7447), (78, 7456),

Gene: Cactus_19 Start: 10160, Stop: 10564, Start Num: 20

Candidate Starts for Cactus_19:

(13, 10127), (16, 10148), (Start: 20 @10160 has 119 MA's), (46, 10331), (48, 10343), (56, 10400), (72, 10469), (81, 10550), (82, 10559),

Gene: CactusJack_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for CactusJack_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: Camster_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Camster_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Carcharodon_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Carcharodon_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Catdawg_46 Start: 23377, Stop: 23829, Start Num: 14

Candidate Starts for Catdawg_46:

(9, 23335), (Start: 14 @23377 has 67 MA's), (Start: 25 @23470 has 2 MA's), (26, 23473), (Start: 29 @23491 has 1 MA's), (40, 23554), (45, 23596), (49, 23614), (50, 23626), (56, 23677), (57, 23680), (65, 23704), (71, 23725), (72, 23731),

Gene: Cerasum_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for Cerasum_11:

(Start: 21 @6947 has 201 MA's), (26, 6986), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (66, 7232), (67, 7235), (72, 7259), (74, 7265), (76, 7304), (77, 7307), (78, 7316),

Gene: Charlie_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Charlie_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Che8_10 Start: 7099, Stop: 7503, Start Num: 21

Candidate Starts for Che8_10:

(Start: 21 @7099 has 201 MA's), (24, 7132), (Start: 25 @7135 has 2 MA's), (26, 7138), (33, 7180), (35, 7195), (37, 7207), (46, 7264), (47, 7270), (55, 7318), (56, 7333), (72, 7411), (74, 7417), (76, 7456), (77, 7459), (78, 7468),

Gene: Che9c_11 Start: 7971, Stop: 8387, Start Num: 21

Candidate Starts for Che9c_11:

(19, 7965), (Start: 21 @7971 has 201 MA's), (27, 8028), (Start: 29 @8037 has 1 MA's), (30, 8040), (38, 8091), (45, 8142), (56, 8214), (63, 8244), (75, 8310), (77, 8334),

Gene: Chewbacca_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Chewbacca_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: ChickenDinner_11 Start: 6951, Stop: 7355, Start Num: 21

Candidate Starts for ChickenDinner_11:

(6, 6849), (Start: 21 @6951 has 201 MA's), (24, 6984), (Start: 25 @6987 has 2 MA's), (26, 6990), (Start: 29 @7008 has 1 MA's), (33, 7032), (35, 7047), (37, 7059), (46, 7116), (47, 7122), (55, 7170), (56, 7185), (57, 7188), (62, 7212), (72, 7263), (74, 7269), (77, 7311), (78, 7320),

Gene: ChosenOne_16 Start: 9624, Stop: 10028, Start Num: 20

Candidate Starts for ChosenOne_16:

(13, 9591), (16, 9612), (Start: 20 @9624 has 119 MA's), (46, 9795), (48, 9807), (56, 9864), (72, 9933), (81, 10014), (82, 10023),

Gene: ChotaBhai_17 Start: 9660, Stop: 10064, Start Num: 20

Candidate Starts for ChotaBhai_17:

(13, 9627), (16, 9648), (Start: 20 @9660 has 119 MA's), (46, 9831), (48, 9843), (56, 9900), (72, 9969), (81, 10050), (82, 10059),

Gene: Chuckly_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Chuckly_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Cjw1_17 Start: 11174, Stop: 11578, Start Num: 20

Candidate Starts for Cjw1_17:

(13, 11141), (16, 11162), (Start: 20 @11174 has 119 MA's), (46, 11345), (48, 11357), (56, 11414), (72, 11483), (81, 11564), (82, 11573),

Gene: Clifton_10 Start: 7083, Stop: 7487, Start Num: 21

Candidate Starts for Clifton_10:

(Start: 21 @7083 has 201 MA's), (Start: 22 @7086 has 2 MA's), (24, 7116), (Start: 25 @7119 has 2 MA's), (26, 7122), (Start: 29 @7140 has 1 MA's), (33, 7164), (35, 7179), (37, 7191), (44, 7239), (46, 7248), (47, 7254), (55, 7302), (56, 7317), (72, 7395), (74, 7401), (76, 7440), (77, 7443), (78, 7452),

Gene: Coco12_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Coco12_11:

(Start: 21 @6948 has 201 MA's), (24, 6981), (Start: 25 @6984 has 2 MA's), (26, 6987), (33, 7029), (35, 7044), (37, 7056), (44, 7104), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (66, 7233), (67, 7236), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: Command613_19 Start: 11216, Stop: 11620, Start Num: 20

Candidate Starts for Command613_19:

(13, 11183), (16, 11204), (Start: 20 @11216 has 119 MA's), (46, 11387), (48, 11399), (56, 11456), (72, 11525), (81, 11606), (82, 11615),

Gene: Contagion_17 Start: 10455, Stop: 10859, Start Num: 20

Candidate Starts for Contagion_17:

(13, 10422), (16, 10443), (Start: 20 @10455 has 119 MA's), (46, 10626), (48, 10638), (56, 10695), (72, 10764), (81, 10845), (82, 10854),

Gene: Cookies_18 Start: 10820, Stop: 11224, Start Num: 20

Candidate Starts for Cookies_18:

(13, 10787), (16, 10808), (Start: 20 @10820 has 119 MA's), (46, 10991), (48, 11003), (56, 11060), (72, 11129), (81, 11210), (82, 11219),

Gene: Corndog_48 Start: 23835, Stop: 24287, Start Num: 14

Candidate Starts for Corndog_48:

(3, 23736), (Start: 14 @23835 has 67 MA's), (Start: 25 @23928 has 2 MA's), (26, 23931), (Start: 29 @23949 has 1 MA's), (40, 24012), (45, 24054), (49, 24072), (50, 24084), (56, 24135), (57, 24138), (65, 24162), (71, 24183), (72, 24189),

Gene: Cornie_11 Start: 7407, Stop: 7805, Start Num: 23

Candidate Starts for Cornie_11:

(Start: 23 @7407 has 1 MA's), (Start: 25 @7440 has 2 MA's), (32, 7476), (34, 7497), (35, 7500), (36, 7503), (45, 7560), (54, 7608), (56, 7632), (71, 7701), (75, 7728),

Gene: Cornucopia_11 Start: 6947, Stop: 7354, Start Num: 21

Candidate Starts for Cornucopia_11:

(8, 6869), (10, 6878), (12, 6902), (Start: 21 @6947 has 201 MA's), (24, 6980), (26, 6986), (33, 7028), (35, 7043), (38, 7058), (41, 7076), (44, 7103), (46, 7112), (47, 7118), (53, 7154), (55, 7166), (56, 7181), (58, 7190), (60, 7196), (61, 7205), (63, 7211), (66, 7232), (68, 7238), (73, 7262), (74, 7265), (78, 7316),

Gene: Crumble_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for Crumble_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (66, 7382), (67, 7385), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: CrystalP_18 Start: 10948, Stop: 11352, Start Num: 20

Candidate Starts for CrystalP_18:

(13, 10915), (16, 10936), (Start: 20 @10948 has 119 MA's), (46, 11119), (48, 11131), (56, 11188), (72, 11257), (81, 11338), (82, 11347),

Gene: Czyszczonek1_18 Start: 10159, Stop: 10563, Start Num: 20

Candidate Starts for Czyszczonek1_18:

(13, 10126), (16, 10147), (Start: 20 @10159 has 119 MA's), (46, 10330), (48, 10342), (56, 10399), (72, 10468), (81, 10549), (82, 10558),

Gene: DLane_10 Start: 7098, Stop: 7505, Start Num: 21

Candidate Starts for DLane_10:

(8, 7020), (12, 7053), (Start: 21 @7098 has 201 MA's), (24, 7131), (26, 7137), (33, 7179), (35, 7194), (38, 7209), (41, 7227), (44, 7254), (46, 7263), (47, 7269), (53, 7305), (55, 7317), (56, 7332), (60, 7347), (61, 7356), (63, 7362), (66, 7383), (68, 7389), (73, 7413), (74, 7416), (78, 7467),

Gene: DRBy19_10 Start: 7111, Stop: 7515, Start Num: 21

Candidate Starts for DRBy19_10:

(Start: 21 @7111 has 201 MA's), (24, 7144), (Start: 25 @7147 has 2 MA's), (26, 7150), (Start: 29 @7168 has 1 MA's), (33, 7192), (35, 7207), (37, 7219), (38, 7222), (44, 7267), (46, 7276), (47, 7282), (55, 7330), (56, 7345), (57, 7348), (72, 7423), (74, 7429), (76, 7468), (77, 7471), (78, 7480),

Gene: DaWorst_11 Start: 6949, Stop: 7353, Start Num: 21

Candidate Starts for DaWorst_11:

(Start: 21 @6949 has 201 MA's), (26, 6988), (33, 7030), (35, 7045), (37, 7057), (38, 7060), (46, 7114), (47, 7120), (55, 7168), (56, 7183), (62, 7210), (72, 7261), (74, 7267), (76, 7306), (77, 7309), (78, 7318),

Gene: DaddyRickover_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for DaddyRickover_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Daenerys_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Daenerys_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Daikon_16 Start: 10682, Stop: 11086, Start Num: 20

Candidate Starts for Daikon_16:

(13, 10649), (16, 10670), (Start: 20 @10682 has 119 MA's), (46, 10853), (48, 10865), (56, 10922), (72, 10991), (81, 11072), (82, 11081),

Gene: Dante_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Dante_10:

(Start: 21 @7112 has 201 MA's), (Start: 22 @7115 has 2 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (38, 7223), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: DeadP_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for DeadP_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Deb65_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Deb65_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: DirtMcgirt_11 Start: 6950, Stop: 7354, Start Num: 21

Candidate Starts for DirtMcgirt_11:

(Start: 21 @6950 has 201 MA's), (24, 6983), (Start: 25 @6986 has 2 MA's), (26, 6989), (Start: 29 @7007 has 1 MA's), (33, 7031), (35, 7046), (37, 7058), (46, 7115), (47, 7121), (55, 7169), (56, 7184), (57, 7187), (62, 7211), (72, 7262), (74, 7268), (76, 7307), (77, 7310), (78, 7319),

Gene: DoctorDiddles_18 Start: 10113, Stop: 10517, Start Num: 20

Candidate Starts for DoctorDiddles_18:

(13, 10080), (16, 10101), (Start: 20 @10113 has 119 MA's), (46, 10284), (48, 10296), (56, 10353), (72, 10422), (81, 10503), (82, 10512),

Gene: Donkeykong_10 Start: 7114, Stop: 7518, Start Num: 21

Candidate Starts for Donkeykong_10:

(Start: 21 @7114 has 201 MA's), (24, 7147), (26, 7153), (31, 7180), (33, 7195), (35, 7210), (37, 7222), (44, 7270), (46, 7279), (47, 7285), (55, 7333), (56, 7348), (66, 7399), (67, 7402), (72, 7426), (74, 7432), (77, 7474), (78, 7483),

Gene: Donovan_13 Start: 8288, Stop: 8725, Start Num: 14

Candidate Starts for Donovan_13:

(Start: 14 @8288 has 67 MA's), (28, 8354), (56, 8546), (57, 8549), (64, 8585), (71, 8618), (79, 8693), (80, 8699),

Gene: Doomphist_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Doomphist_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Dorothy_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Dorothy_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: DotProduct_10 Start: 7098, Stop: 7505, Start Num: 21

Candidate Starts for DotProduct_10:

(8, 7020), (10, 7029), (12, 7053), (Start: 21 @7098 has 201 MA's), (24, 7131), (26, 7137), (33, 7179), (35, 7194), (38, 7209), (41, 7227), (44, 7254), (46, 7263), (47, 7269), (53, 7305), (55, 7317), (56, 7332), (58, 7341), (60, 7347), (61, 7356), (63, 7362), (66, 7383), (68, 7389), (73, 7413), (74, 7416), (78, 7467),

Gene: Doug_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for Doug_10:

(Start: 21 @7097 has 201 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (38, 7208), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (57, 7334), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: DrDrey_18 Start: 10900, Stop: 11304, Start Num: 20

Candidate Starts for DrDrey_18:

(13, 10867), (16, 10888), (Start: 20 @10900 has 119 MA's), (46, 11071), (48, 11083), (56, 11140), (72, 11209), (81, 11290), (82, 11299),

Gene: Drago_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Drago_11:

(Start: 21 @6948 has 201 MA's), (24, 6981), (Start: 25 @6984 has 2 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (57, 7185), (62, 7209), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: Dumbo_17 Start: 9881, Stop: 10285, Start Num: 20

Candidate Starts for Dumbo_17:

(13, 9848), (16, 9869), (Start: 20 @9881 has 119 MA's), (46, 10052), (48, 10064), (56, 10121), (72, 10190), (81, 10271), (82, 10280),

Gene: Duplicity_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Duplicity_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Dusk_17 Start: 10607, Stop: 11011, Start Num: 20

Candidate Starts for Dusk_17:

(13, 10574), (16, 10595), (Start: 20 @10607 has 119 MA's), (46, 10778), (48, 10790), (56, 10847), (72, 10916), (81, 10997), (82, 11006),

Gene: Dylan_45 Start: 23090, Stop: 23542, Start Num: 14

Candidate Starts for Dylan_45:

(Start: 14 @23090 has 67 MA's), (Start: 25 @23183 has 2 MA's), (26, 23186), (Start: 29 @23204 has 1 MA's), (40, 23267), (45, 23309), (49, 23327), (50, 23339), (56, 23390), (57, 23393), (65, 23417), (71, 23438), (72, 23444),

Gene: Dynamo_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Dynamo_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Easy2Say_18 Start: 11147, Stop: 11551, Start Num: 20

Candidate Starts for Easy2Say_18:

(13, 11114), (16, 11135), (Start: 20 @11147 has 119 MA's), (46, 11318), (48, 11330), (56, 11387), (72, 11456), (81, 11537), (82, 11546),

Gene: Eish_10 Start: 7085, Stop: 7489, Start Num: 21

Candidate Starts for Eish_10:

(8, 7007), (Start: 21 @7085 has 201 MA's), (24, 7118), (Start: 25 @7121 has 2 MA's), (26, 7124), (33, 7166), (35, 7181), (37, 7193), (46, 7250), (47, 7256), (55, 7304), (56, 7319), (57, 7322), (62, 7346), (72, 7397), (74, 7403), (77, 7445), (78, 7454),

Gene: EleanorGeorge_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for EleanorGeorge_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Elite2014_16 Start: 9624, Stop: 10028, Start Num: 20

Candidate Starts for Elite2014_16:

(13, 9591), (16, 9612), (Start: 20 @9624 has 119 MA's), (46, 9795), (48, 9807), (56, 9864), (72, 9933), (81, 10014), (82, 10023),

Gene: Elph10_18 Start: 9884, Stop: 10288, Start Num: 20

Candidate Starts for Elph10_18:

(13, 9851), (16, 9872), (Start: 20 @9884 has 119 MA's), (46, 10055), (48, 10067), (56, 10124), (72, 10193), (81, 10274), (82, 10283),

Gene: Emma_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Emma_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60,

7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Emmina_17 Start: 9729, Stop: 10133, Start Num: 20

Candidate Starts for Emmina_17:

(13, 9696), (16, 9717), (Start: 20 @9729 has 119 MA's), (46, 9900), (48, 9912), (56, 9969), (72, 10038), (81, 10119), (82, 10128),

Gene: Empress_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Empress_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Enby_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Enby_11:

(Start: 21 @6948 has 201 MA's), (24, 6981), (Start: 25 @6984 has 2 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (57, 7185), (62, 7209), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: Eradicator_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for Eradicator_10:

(Start: 21 @7096 has 201 MA's), (Start: 22 @7099 has 2 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Estave1_10 Start: 7133, Stop: 7501, Start Num: 25

Candidate Starts for Estave1_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (38, 7208), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (57, 7334), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: Eureka_18 Start: 10927, Stop: 11331, Start Num: 20

Candidate Starts for Eureka_18:

(13, 10894), (16, 10915), (Start: 20 @10927 has 119 MA's), (46, 11098), (48, 11110), (56, 11167), (72, 11236), (81, 11317), (82, 11326),

Gene: Familton_47 Start: 23381, Stop: 23833, Start Num: 14

Candidate Starts for Familton_47:

(Start: 14 @23381 has 67 MA's), (Start: 25 @23474 has 2 MA's), (26, 23477), (Start: 29 @23495 has 1 MA's), (40, 23558), (45, 23600), (49, 23618), (50, 23630), (56, 23681), (57, 23684), (65, 23708), (71, 23729), (72, 23735),

Gene: Fancypants_10 Start: 7099, Stop: 7503, Start Num: 21

Candidate Starts for Fancypants_10:

(Start: 21 @7099 has 201 MA's), (26, 7138), (33, 7180), (35, 7195), (37, 7207), (46, 7264), (47, 7270), (55, 7318), (56, 7333), (57, 7336), (62, 7360), (72, 7411), (74, 7417), (77, 7459), (78, 7468),

Gene: Fastidio_10 Start: 7098, Stop: 7502, Start Num: 21

Candidate Starts for Fastidio_10:

(Start: 21 @7098 has 201 MA's), (24, 7131), (Start: 25 @7134 has 2 MA's), (26, 7137), (Start: 29 @7155 has 1 MA's), (33, 7179), (35, 7194), (37, 7206), (44, 7254), (46, 7263), (47, 7269), (55, 7317), (56, 7332), (66, 7383), (67, 7386), (72, 7410), (74, 7416), (76, 7455), (77, 7458), (78, 7467),

Gene: Filch_18 Start: 10169, Stop: 10573, Start Num: 20

Candidate Starts for Filch_18:

(13, 10136), (16, 10157), (Start: 20 @10169 has 119 MA's), (46, 10340), (48, 10352), (56, 10409), (72, 10478), (81, 10559), (82, 10568),

Gene: FireRed_17 Start: 10457, Stop: 10861, Start Num: 20

Candidate Starts for FireRed_17:

(13, 10424), (16, 10445), (Start: 20 @10457 has 119 MA's), (46, 10628), (48, 10640), (56, 10697), (72, 10766), (81, 10847), (82, 10856),

Gene: Firecracker_46 Start: 22988, Stop: 23440, Start Num: 14

Candidate Starts for Firecracker_46:

(Start: 14 @22988 has 67 MA's), (Start: 25 @23081 has 2 MA's), (26, 23084), (27, 23093), (Start: 29 @23102 has 1 MA's), (40, 23165), (45, 23207), (49, 23225), (50, 23237), (56, 23288), (57, 23291), (65, 23315), (71, 23336), (72, 23342),

Gene: Firehouse51_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Firehouse51_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: FirstPlacePfu_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for FirstPlacePfu_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Fishburne_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Fishburne_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Flathead_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for Flathead_11:

(6, 6845), (Start: 21 @6947 has 201 MA's), (24, 6980), (Start: 25 @6983 has 2 MA's), (26, 6986), (Start: 29 @7004 has 1 MA's), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (72, 7259), (74, 7265), (78, 7316),

Gene: Florinda_10 Start: 7115, Stop: 7519, Start Num: 21

Candidate Starts for Florinda_10:

(Start: 21 @7115 has 201 MA's), (24, 7148), (Start: 25 @7151 has 2 MA's), (26, 7154), (Start: 29 @7172 has 1 MA's), (33, 7196), (35, 7211), (37, 7223), (46, 7280), (47, 7286), (55, 7334), (56, 7349), (57, 7352), (62, 7376), (72, 7427), (74, 7433), (78, 7484),

Gene: Flypotenuse_16 Start: 10564, Stop: 10968, Start Num: 20

Candidate Starts for Flypotenuse_16:

(13, 10531), (16, 10552), (Start: 20 @10564 has 119 MA's), (46, 10735), (48, 10747), (56, 10804), (72, 10873), (81, 10954), (82, 10963),

Gene: FoulBall_43 Start: 23375, Stop: 23827, Start Num: 14

Candidate Starts for FoulBall_43:

(9, 23333), (Start: 14 @23375 has 67 MA's), (Start: 25 @23468 has 2 MA's), (26, 23471), (Start: 29 @23489 has 1 MA's), (40, 23552), (45, 23594), (49, 23612), (50, 23624), (56, 23675), (57, 23678), (65, 23702), (71, 23723), (72, 23729),

Gene: Frankie_11 Start: 7141, Stop: 7545, Start Num: 21

Candidate Starts for Frankie_11:

(Start: 21 @7141 has 201 MA's), (24, 7174), (Start: 25 @7177 has 2 MA's), (26, 7180), (Start: 29 @7198 has 1 MA's), (33, 7222), (35, 7237), (37, 7249), (38, 7252), (44, 7297), (46, 7306), (47, 7312), (55, 7360), (56, 7375), (72, 7453), (74, 7459), (77, 7501), (78, 7510),

Gene: FreddyB_10 Start: 7099, Stop: 7500, Start Num: 22

Candidate Starts for FreddyB_10:

(Start: 21 @7096 has 201 MA's), (Start: 22 @7099 has 2 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Fulbright_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Fulbright_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: GUmbie_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for GUmbie_10:

(Start: 21 @7112 has 201 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (33, 7193), (35, 7208), (37, 7220), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (62, 7373), (74, 7430), (77, 7472), (78, 7481),

Gene: Gage_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Gage_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Galactic_10 Start: 7071, Stop: 7478, Start Num: 21

Candidate Starts for Galactic_10:

(8, 6993), (12, 7026), (Start: 21 @7071 has 201 MA's), (24, 7104), (26, 7110), (33, 7152), (35, 7167), (38, 7182), (41, 7200), (44, 7227), (46, 7236), (47, 7242), (53, 7278), (55, 7290), (56, 7305), (60, 7320), (61, 7329), (63, 7335), (66, 7356), (68, 7362), (73, 7386), (74, 7389), (78, 7440),

Gene: Gandolph_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Gandolph_10:

(Start: 21 @7112 has 201 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: Gator_16 Start: 10563, Stop: 10967, Start Num: 20

Candidate Starts for Gator_16:

(13, 10530), (16, 10551), (Start: 20 @10563 has 119 MA's), (46, 10734), (48, 10746), (56, 10803), (72, 10872), (81, 10953), (82, 10962),

Gene: Gemini_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Gemini_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Geralt_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Geralt_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74,

7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Gex_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Gex_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: GigiOuiOui_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for GigiOuiOui_10:

(Start: 21 @7112 has 201 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: Girafales_11 Start: 6943, Stop: 7347, Start Num: 21

Candidate Starts for Girafales_11:

(Start: 21 @6943 has 201 MA's), (26, 6982), (33, 7024), (35, 7039), (37, 7051), (46, 7108), (47, 7114), (55, 7162), (56, 7177), (62, 7204), (72, 7255), (74, 7261), (77, 7303), (78, 7312),

Gene: Girr_10 Start: 7101, Stop: 7505, Start Num: 21

Candidate Starts for Girr_10:

(Start: 21 @7101 has 201 MA's), (24, 7134), (Start: 25 @7137 has 2 MA's), (26, 7140), (33, 7182), (35, 7197), (37, 7209), (46, 7266), (47, 7272), (55, 7320), (56, 7335), (57, 7338), (62, 7362), (72, 7413), (74, 7419), (77, 7461), (78, 7470),

Gene: Glaske_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for Glaske_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: Glexan_16 Start: 10564, Stop: 10968, Start Num: 20

Candidate Starts for Glexan_16:

(13, 10531), (16, 10552), (Start: 20 @10564 has 119 MA's), (46, 10735), (48, 10747), (56, 10804), (72, 10873), (81, 10954), (82, 10963),

Gene: Goku_18 Start: 10656, Stop: 11060, Start Num: 20

Candidate Starts for Goku_18:

(13, 10623), (16, 10644), (Start: 20 @10656 has 119 MA's), (46, 10827), (48, 10839), (56, 10896), (72, 10965), (81, 11046), (82, 11055),

Gene: GoldenSpark_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for GoldenSpark_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Goldilocks_19 Start: 10358, Stop: 10762, Start Num: 20

Candidate Starts for Goldilocks_19:

(13, 10325), (16, 10346), (Start: 20 @10358 has 119 MA's), (46, 10529), (48, 10541), (56, 10598), (72, 10667), (81, 10748), (82, 10757),

Gene: GooberAzure_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for GooberAzure_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Gorge_10 Start: 7084, Stop: 7488, Start Num: 21

Candidate Starts for Gorge_10:

(Start: 21 @7084 has 201 MA's), (Start: 22 @7087 has 2 MA's), (24, 7117), (Start: 25 @7120 has 2 MA's), (26, 7123), (Start: 29 @7141 has 1 MA's), (33, 7165), (35, 7180), (37, 7192), (44, 7240), (46, 7249), (47, 7255), (55, 7303), (56, 7318), (72, 7396), (74, 7402), (76, 7441), (77, 7444), (78, 7453),

Gene: GreaseLightnin_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for GreaseLightnin_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Guppsters_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Guppsters_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: HC_12 Start: 8354, Stop: 8773, Start Num: 21

Candidate Starts for HC_12:

(Start: 21 @8354 has 201 MA's), (27, 8411), (30, 8423), (45, 8528), (56, 8600), (72, 8675), (75, 8696), (77, 8720),

Gene: HUHilltop_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for HUHilltop_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Hades_10 Start: 7098, Stop: 7502, Start Num: 21

Candidate Starts for Hades_10:

(Start: 21 @7098 has 201 MA's), (24, 7131), (Start: 25 @7134 has 2 MA's), (26, 7137), (33, 7179), (35, 7194), (37, 7206), (46, 7263), (47, 7269), (55, 7317), (56, 7332), (57, 7335), (62, 7359), (72, 7410), (74, 7416), (77, 7458), (78, 7467),

Gene: Hamulus_10 Start: 7098, Stop: 7505, Start Num: 21

Candidate Starts for Hamulus_10:

(8, 7020), (12, 7053), (Start: 21 @7098 has 201 MA's), (24, 7131), (26, 7137), (33, 7179), (35, 7194), (38, 7209), (41, 7227), (44, 7254), (46, 7263), (47, 7269), (53, 7305), (55, 7317), (56, 7332), (60, 7347), (61, 7356), (63, 7362), (66, 7383), (68, 7389), (73, 7413), (74, 7416), (78, 7467),

Gene: HanKaySha_18 Start: 10159, Stop: 10563, Start Num: 20

Candidate Starts for HanKaySha_18:

(13, 10126), (16, 10147), (Start: 20 @10159 has 119 MA's), (46, 10330), (48, 10342), (56, 10399), (72, 10468), (81, 10549), (82, 10558),

Gene: Harella_16 Start: 10564, Stop: 10968, Start Num: 20

Candidate Starts for Harella_16:

(13, 10531), (16, 10552), (Start: 20 @10564 has 119 MA's), (46, 10735), (48, 10747), (56, 10804), (72, 10873), (81, 10954), (82, 10963),

Gene: Harley_10 Start: 7085, Stop: 7489, Start Num: 21

Candidate Starts for Harley_10:

(8, 7007), (Start: 21 @7085 has 201 MA's), (24, 7118), (Start: 25 @7121 has 2 MA's), (26, 7124), (33, 7166), (35, 7181), (37, 7193), (46, 7250), (47, 7256), (55, 7304), (56, 7319), (57, 7322), (62, 7346), (72, 7397), (74, 7403), (77, 7445), (78, 7454),

Gene: Hegedechwinu_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for Hegedechwinu_11:

(6, 6845), (Start: 21 @6947 has 201 MA's), (24, 6980), (Start: 25 @6983 has 2 MA's), (26, 6986), (Start: 29 @7004 has 1 MA's), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (72, 7259), (74, 7265), (78, 7316),

Gene: Henry_18 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for Henry_18:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: Highbury_18 Start: 10078, Stop: 10482, Start Num: 20

Candidate Starts for Highbury_18:

(13, 10045), (16, 10066), (Start: 20 @10078 has 119 MA's), (46, 10249), (48, 10261), (56, 10318), (72, 10387), (81, 10468), (82, 10477),

Gene: Hlubikazi_10 Start: 7085, Stop: 7489, Start Num: 21

Candidate Starts for Hlubikazi_10:

(Start: 21 @7085 has 201 MA's), (24, 7118), (Start: 25 @7121 has 2 MA's), (26, 7124), (Start: 29 @7142 has 1 MA's), (33, 7166), (35, 7181), (37, 7193), (46, 7250), (47, 7256), (55, 7304), (56, 7319), (62, 7346), (72, 7397), (74, 7403), (77, 7445), (78, 7454),

Gene: Holt_19 Start: 10231, Stop: 10635, Start Num: 20

Candidate Starts for Holt_19:

(13, 10198), (16, 10219), (Start: 20 @10231 has 119 MA's), (46, 10402), (48, 10414), (56, 10471), (72, 10540), (81, 10621), (82, 10630),

Gene: Hoonter_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Hoonter_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Hokey_18 Start: 10169, Stop: 10573, Start Num: 20

Candidate Starts for Hokey_18:

(13, 10136), (16, 10157), (Start: 20 @10169 has 119 MA's), (46, 10340), (48, 10352), (56, 10409), (72, 10478), (81, 10559), (82, 10568),

Gene: HufflyPuff_16 Start: 10413, Stop: 10817, Start Num: 20

Candidate Starts for HufflyPuff_16:

(13, 10380), (16, 10401), (Start: 20 @10413 has 119 MA's), (46, 10584), (48, 10596), (56, 10653), (72, 10722), (81, 10803), (82, 10812),

Gene: IHOP_17 Start: 10607, Stop: 11011, Start Num: 20

Candidate Starts for IHOP_17:

(13, 10574), (16, 10595), (Start: 20 @10607 has 119 MA's), (46, 10778), (48, 10790), (56, 10847), (72, 10916), (81, 10997), (82, 11006),

Gene: lbOuu_10 Start: 7094, Stop: 7498, Start Num: 21

Candidate Starts for lbOuu_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (44, 7250), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (72, 7406), (74, 7412), (76, 7451), (77, 7454), (78, 7463),

Gene: lbhubesi_10 Start: 7121, Stop: 7489, Start Num: 25

Candidate Starts for lbhubesi_10:

(8, 7007), (Start: 21 @7085 has 201 MA's), (24, 7118), (Start: 25 @7121 has 2 MA's), (26, 7124), (33, 7166), (35, 7181), (37, 7193), (46, 7250), (47, 7256), (55, 7304), (56, 7319), (57, 7322), (62, 7346), (72, 7397), (74, 7403), (77, 7445), (78, 7454),

Gene: lcee_17 Start: 10607, Stop: 11011, Start Num: 20

Candidate Starts for lcee_17:

(13, 10574), (16, 10595), (Start: 20 @10607 has 119 MA's), (46, 10778), (48, 10790), (56, 10847), (72, 10916), (81, 10997), (82, 11006),

Gene: ldergollasper_46 Start: 23375, Stop: 23827, Start Num: 14

Candidate Starts for ldergollasper_46:

(9, 23333), (Start: 14 @23375 has 67 MA's), (Start: 25 @23468 has 2 MA's), (26, 23471), (Start: 29 @23489 has 1 MA's), (40, 23552), (45, 23594), (49, 23612), (50, 23624), (56, 23675), (57, 23678), (65, 23702), (71, 23723), (72, 23729),

Gene: Inca_17 Start: 9627, Stop: 10031, Start Num: 20

Candidate Starts for Inca_17:

(13, 9594), (16, 9615), (Start: 20 @9627 has 119 MA's), (46, 9798), (48, 9810), (56, 9867), (72, 9936), (81, 10017), (82, 10026),

Gene: Inventum_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Inventum_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: IrishSherpFalk_10 Start: 7083, Stop: 7490, Start Num: 21

Candidate Starts for IrishSherpFalk_10:

(8, 7005), (Start: 21 @7083 has 201 MA's), (24, 7116), (26, 7122), (33, 7164), (35, 7179), (38, 7194), (41, 7212), (44, 7239), (46, 7248), (47, 7254), (53, 7290), (55, 7302), (56, 7317), (58, 7326), (60, 7332), (61, 7341), (63, 7347), (66, 7368), (68, 7374), (73, 7398), (74, 7401), (78, 7452),

Gene: Island3_12 Start: 8355, Stop: 8774, Start Num: 21

Candidate Starts for Island3_12:

(Start: 21 @8355 has 201 MA's), (27, 8412), (30, 8424), (45, 8529), (56, 8601), (57, 8604), (72, 8676), (75, 8697), (77, 8721),

Gene: JalFarm20_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for JalFarm20_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (38, 7059), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (57, 7185), (62, 7209), (72, 7260), (74, 7266), (77, 7308), (78, 7317),

Gene: Jamie19_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Jamie19_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: JangDynasty_46 Start: 23470, Stop: 23922, Start Num: 14

Candidate Starts for JangDynasty_46:

(Start: 14 @23470 has 67 MA's), (Start: 25 @23563 has 2 MA's), (26, 23566), (Start: 29 @23584 has 1 MA's), (40, 23647), (45, 23689), (49, 23707), (50, 23719), (56, 23770), (57, 23773), (65, 23797), (71, 23818), (72, 23824),

Gene: Jarcob_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for Jarcob_10:

(Start: 21 @7096 has 201 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (66, 7381), (67, 7384), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: JeTaime_19 Start: 11209, Stop: 11613, Start Num: 20

Candidate Starts for JeTaime_19:

(13, 11176), (16, 11197), (Start: 20 @11209 has 119 MA's), (46, 11380), (48, 11392), (56, 11449), (72, 11518), (81, 11599), (82, 11608),

Gene: Jebeks_13 Start: 8287, Stop: 8724, Start Num: 14

Candidate Starts for Jebeks_13:

(Start: 14 @8287 has 67 MA's), (28, 8353), (56, 8545), (57, 8548), (64, 8584), (71, 8617), (79, 8692), (80, 8698),

Gene: Jinglebell_10 Start: 7133, Stop: 7498, Start Num: 26

Candidate Starts for Jinglebell_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (57, 7331), (62, 7355), (72, 7406), (74, 7412), (77, 7454), (78, 7463),

Gene: Job42_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Job42_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: JoeyJr_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for JoeyJr_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Journey_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Journey_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Juice456_11 Start: 6949, Stop: 7353, Start Num: 21

Candidate Starts for Juice456_11:

(Start: 21 @6949 has 201 MA's), (26, 6988), (33, 7030), (35, 7045), (37, 7057), (38, 7060), (46, 7114), (47, 7120), (55, 7168), (56, 7183), (62, 7210), (72, 7261), (74, 7267), (76, 7306), (77, 7309), (78, 7318),

Gene: Jung_13 Start: 8333, Stop: 8770, Start Num: 14

Candidate Starts for Jung_13:

(5, 8252), (Start: 14 @8333 has 67 MA's), (56, 8591), (57, 8594), (71, 8663), (79, 8738), (80, 8744),

Gene: Juniormint_13 Start: 8326, Stop: 8763, Start Num: 14

Candidate Starts for Juniormint_13:

(5, 8245), (Start: 14 @8326 has 67 MA's), (28, 8392), (56, 8584), (57, 8587), (64, 8623), (71, 8656), (79, 8731), (80, 8737),

Gene: Juniper1_10 Start: 7126, Stop: 7491, Start Num: 26

Candidate Starts for Juniper1_10:

(Start: 21 @7087 has 201 MA's), (26, 7126), (Start: 29 @7144 has 1 MA's), (33, 7168), (35, 7183), (37, 7195), (46, 7252), (47, 7258), (55, 7306), (56, 7321), (57, 7324), (62, 7348), (72, 7399), (74, 7405), (77, 7447), (78, 7456),

Gene: Kanye_19 Start: 11397, Stop: 11801, Start Num: 20

Candidate Starts for Kanye_19:

(13, 11364), (16, 11385), (Start: 20 @11397 has 119 MA's), (46, 11568), (48, 11580), (56, 11637), (72, 11706), (81, 11787), (82, 11796),

Gene: Karhdo_10 Start: 7099, Stop: 7503, Start Num: 21

Candidate Starts for Karhdo_10:

(Start: 21 @7099 has 201 MA's), (24, 7132), (Start: 25 @7135 has 2 MA's), (26, 7138), (33, 7180), (35, 7195), (37, 7207), (46, 7264), (47, 7270), (55, 7318), (56, 7333), (62, 7360), (74, 7417), (77, 7459), (78, 7468),

Gene: Kari_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Kari_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Kenuha5_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Kenuha5_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (26, 7136), (35, 7193), (38, 7208), (41, 7226), (42, 7232), (43, 7241), (44, 7253), (46, 7262), (47, 7268), (52, 7292), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (74, 7415), (78, 7466),

Gene: Kersh_10 Start: 7088, Stop: 7492, Start Num: 21

Candidate Starts for Kersh_10:

(Start: 21 @7088 has 201 MA's), (26, 7127), (33, 7169), (35, 7184), (37, 7196), (46, 7253), (47, 7259), (55, 7307), (56, 7322), (59, 7334), (62, 7349), (72, 7400), (74, 7406), (77, 7448), (78, 7457),

Gene: Kevin1_12 Start: 7363, Stop: 7782, Start Num: 15

Candidate Starts for Kevin1_12:

(2, 7192), (Start: 15 @7363 has 38 MA's), (Start: 25 @7408 has 2 MA's), (46, 7534), (56, 7612), (68, 7666), (71, 7681),

Gene: KilKor_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for KilKor_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: Kimberlium_11 Start: 6949, Stop: 7353, Start Num: 21

Candidate Starts for Kimberlium_11:

(Start: 21 @6949 has 201 MA's), (26, 6988), (33, 7030), (35, 7045), (37, 7057), (38, 7060), (46, 7114), (47, 7120), (55, 7168), (56, 7183), (62, 7210), (72, 7261), (74, 7267), (76, 7306), (77, 7309), (78, 7318),

Gene: Kimchi_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Kimchi_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Kingsley_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for Kingsley_11:

(Start: 21 @6947 has 201 MA's), (26, 6986), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (66, 7232), (67, 7235), (72, 7259), (74, 7265), (76, 7304), (77, 7307), (78, 7316),

Gene: Koella_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Koella_10:

(Start: 21 @7095 has 201 MA's), (Start: 22 @7098 has 2 MA's), (24, 7128), (Start: 25 @7131 has 2 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Kostya_18 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for Kostya_18:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: Krili_45 Start: 23092, Stop: 23544, Start Num: 14

Candidate Starts for Krili_45:

(Start: 14 @23092 has 67 MA's), (Start: 25 @23185 has 2 MA's), (26, 23188), (27, 23197), (Start: 29 @23206 has 1 MA's), (40, 23269), (45, 23311), (49, 23329), (50, 23341), (56, 23392), (57, 23395), (65, 23419), (71, 23440), (72, 23446),

Gene: KristaRAM_11 Start: 7745, Stop: 8152, Start Num: 21

Candidate Starts for KristaRAM_11:

(8, 7667), (12, 7700), (Start: 21 @7745 has 201 MA's), (24, 7778), (26, 7784), (33, 7826), (35, 7841), (38, 7856), (41, 7874), (44, 7901), (46, 7910), (47, 7916), (53, 7952), (55, 7964), (56, 7979), (60, 7994), (61, 8003), (63, 8009), (66, 8030), (68, 8036), (73, 8060), (74, 8063), (78, 8114),

Gene: Ksquared_13 Start: 8322, Stop: 8759, Start Num: 14

Candidate Starts for Ksquared_13:

(5, 8241), (Start: 14 @8322 has 67 MA's), (28, 8388), (56, 8580), (57, 8583), (64, 8619), (71, 8652), (79, 8727), (80, 8733),

Gene: Langerak_13 Start: 8287, Stop: 8724, Start Num: 14

Candidate Starts for Langerak_13:

(Start: 14 @8287 has 67 MA's), (28, 8353), (56, 8545), (57, 8548), (64, 8584), (71, 8617), (79, 8692), (80, 8698),

Gene: Latretium_10 Start: 7084, Stop: 7488, Start Num: 21

Candidate Starts for Latretium_10:

(Start: 21 @7084 has 201 MA's), (26, 7123), (33, 7165), (35, 7180), (37, 7192), (46, 7249), (47, 7255), (55, 7303), (56, 7318), (57, 7321), (62, 7345), (72, 7396), (74, 7402), (77, 7444), (78, 7453),

Gene: Leozinho_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Leozinho_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (38, 7059), (44, 7104), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (59, 7194), (62, 7209), (72, 7260), (74, 7266), (77, 7308), (78, 7317),

Gene: Leperchaun_10 Start: 7084, Stop: 7488, Start Num: 21

Candidate Starts for Leperchaun_10:

(Start: 21 @7084 has 201 MA's), (26, 7123), (Start: 29 @7141 has 1 MA's), (33, 7165), (35, 7180), (37, 7192), (38, 7195), (44, 7240), (46, 7249), (47, 7255), (55, 7303), (56, 7318), (72, 7396), (74, 7402), (76, 7441), (77, 7444), (78, 7453),

Gene: LilMoolah_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for LilMoolah_10:

(Start: 21 @7096 has 201 MA's), (Start: 22 @7099 has 2 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (66, 7381), (67, 7384), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Lilac_19 Start: 9905, Stop: 10309, Start Num: 20

Candidate Starts for Lilac_19:

(13, 9872), (16, 9893), (Start: 20 @9905 has 119 MA's), (46, 10076), (48, 10088), (56, 10145), (72, 10214), (81, 10295), (82, 10304),

Gene: Lilizi_19 Start: 10116, Stop: 10520, Start Num: 20

Candidate Starts for Lilizi_19:

(13, 10083), (16, 10104), (Start: 20 @10116 has 119 MA's), (46, 10287), (48, 10299), (56, 10356), (72, 10425), (81, 10506), (82, 10515),

Gene: Lilpickle_16 Start: 9624, Stop: 10028, Start Num: 20

Candidate Starts for Lilpickle_16:

(13, 9591), (16, 9612), (Start: 20 @9624 has 119 MA's), (46, 9795), (48, 9807), (56, 9864), (72, 9933), (81, 10014), (82, 10023),

Gene: LittleShirley_11 Start: 6949, Stop: 7353, Start Num: 21

Candidate Starts for LittleShirley_11:

(Start: 21 @6949 has 201 MA's), (26, 6988), (Start: 29 @7006 has 1 MA's), (33, 7030), (35, 7045), (37, 7057), (38, 7060), (44, 7105), (46, 7114), (47, 7120), (55, 7168), (56, 7183), (72, 7261), (74, 7267), (76, 7306), (77, 7309), (78, 7318),

Gene: Lizziana_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for Lizziana_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (66, 7382), (67, 7385), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: Llama_10 Start: 7094, Stop: 7498, Start Num: 21

Candidate Starts for Llama_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (57, 7331), (62, 7355), (72, 7406), (74, 7412), (77, 7454), (78, 7463),

Gene: Llij_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Llij_10:

(Start: 21 @7112 has 201 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: Lorde_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Lorde_11:

(Start: 21 @6948 has 201 MA's), (24, 6981), (Start: 25 @6984 has 2 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (57, 7185), (62, 7209), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: LunaBlu_10 Start: 7071, Stop: 7478, Start Num: 21

Candidate Starts for LunaBlu_10:

(8, 6993), (12, 7026), (Start: 21 @7071 has 201 MA's), (24, 7104), (26, 7110), (33, 7152), (35, 7167), (38, 7182), (41, 7200), (44, 7227), (46, 7236), (47, 7242), (53, 7278), (55, 7290), (56, 7305), (60, 7320), (61, 7329), (63, 7335), (66, 7356), (68, 7362), (73, 7386), (74, 7389), (78, 7440),

Gene: LunaStella_11 Start: 7533, Stop: 7958, Start Num: 21

Candidate Starts for LunaStella_11:

(12, 7488), (Start: 21 @7533 has 201 MA's), (24, 7581), (Start: 25 @7584 has 2 MA's), (26, 7587), (32, 7620), (47, 7719), (56, 7782), (64, 7821), (67, 7839), (68, 7842), (69, 7848), (74, 7869), (76, 7905), (78, 7917),

Gene: MISSy_17 Start: 10457, Stop: 10861, Start Num: 20

Candidate Starts for MISSy_17:

(13, 10424), (16, 10445), (Start: 20 @10457 has 119 MA's), (46, 10628), (48, 10640), (56, 10697), (72, 10766), (81, 10847), (82, 10856),

Gene: MPhalcon_17 Start: 10457, Stop: 10861, Start Num: 20

Candidate Starts for MPhalcon_17:

(13, 10424), (16, 10445), (Start: 20 @10457 has 119 MA's), (46, 10628), (48, 10640), (56, 10697), (72, 10766), (81, 10847), (82, 10856),

Gene: MadKillah_47 Start: 23314, Stop: 23766, Start Num: 14

Candidate Starts for MadKillah_47:

(Start: 14 @23314 has 67 MA's), (Start: 25 @23407 has 2 MA's), (26, 23410), (27, 23419), (Start: 29 @23428 has 1 MA's), (40, 23491), (45, 23533), (49, 23551), (50, 23563), (56, 23614), (57, 23617), (65, 23641), (71, 23662), (72, 23668),

Gene: MadMen_10 Start: 7111, Stop: 7515, Start Num: 21

Candidate Starts for MadMen_10:

(Start: 21 @7111 has 201 MA's), (24, 7144), (Start: 25 @7147 has 2 MA's), (26, 7150), (Start: 29 @7168 has 1 MA's), (33, 7192), (35, 7207), (37, 7219), (38, 7222), (44, 7267), (46, 7276), (47, 7282), (55, 7330), (56, 7345), (57, 7348), (72, 7423), (74, 7429), (76, 7468), (77, 7471), (78, 7480),

Gene: MadamMonkfish_17 Start: 9835, Stop: 10239, Start Num: 20

Candidate Starts for MadamMonkfish_17:

(13, 9802), (16, 9823), (Start: 20 @9835 has 119 MA's), (46, 10006), (56, 10075), (72, 10144), (81, 10225), (82, 10234),

Gene: Madiba_11 Start: 6946, Stop: 7350, Start Num: 21

Candidate Starts for Madiba_11:

(Start: 21 @6946 has 201 MA's), (26, 6985), (33, 7027), (35, 7042), (37, 7054), (46, 7111), (47, 7117), (55, 7165), (56, 7180), (57, 7183), (62, 7207), (74, 7264), (77, 7306), (78, 7315),

Gene: Magsby_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Magsby_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Mahavrat_10 Start: 7084, Stop: 7488, Start Num: 21

Candidate Starts for Mahavrat_10:

(Start: 21 @7084 has 201 MA's), (24, 7117), (Start: 25 @7120 has 2 MA's), (26, 7123), (33, 7165), (35, 7180), (37, 7192), (46, 7249), (47, 7255), (55, 7303), (56, 7318), (72, 7396), (74, 7402), (77, 7444), (78, 7453),

Gene: Majeke_13 Start: 8287, Stop: 8724, Start Num: 14

Candidate Starts for Majeke_13:

(Start: 14 @8287 has 67 MA's), (28, 8353), (56, 8545), (57, 8548), (64, 8584), (71, 8617), (79, 8692), (80, 8698),

Gene: Malithi_13 Start: 8345, Stop: 8782, Start Num: 14

Candidate Starts for Malithi_13:

(5, 8264), (Start: 14 @8345 has 67 MA's), (56, 8603), (57, 8606), (71, 8675), (80, 8756),

Gene: Manda_18 Start: 10917, Stop: 11321, Start Num: 20

Candidate Starts for Manda_18:

(13, 10884), (16, 10905), (Start: 20 @10917 has 119 MA's), (46, 11088), (48, 11100), (56, 11157), (72, 11226), (81, 11307), (82, 11316),

Gene: Mandlovu_10 Start: 7085, Stop: 7489, Start Num: 21

Candidate Starts for Mandlovu_10:

(Start: 21 @7085 has 201 MA's), (24, 7118), (Start: 25 @7121 has 2 MA's), (26, 7124), (Start: 29 @7142 has 1 MA's), (33, 7166), (35, 7181), (37, 7193), (46, 7250), (47, 7256), (55, 7304), (56, 7319), (62, 7346), (72, 7397), (74, 7403), (77, 7445), (78, 7454),

Gene: Mangethe_13 Start: 8287, Stop: 8724, Start Num: 14

Candidate Starts for Mangethe_13:

(Start: 14 @8287 has 67 MA's), (28, 8353), (56, 8545), (57, 8548), (64, 8584), (71, 8617), (79, 8692), (80, 8698),

Gene: Mantra_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Mantra_10:

(Start: 21 @7112 has 201 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (66, 7397), (67, 7400), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: Maravista_10 Start: 7085, Stop: 7489, Start Num: 21

Candidate Starts for Maravista_10:

(Start: 21 @7085 has 201 MA's), (Start: 22 @7088 has 2 MA's), (24, 7118), (Start: 25 @7121 has 2 MA's), (26, 7124), (Start: 29 @7142 has 1 MA's), (33, 7166), (35, 7181), (37, 7193), (44, 7241), (46, 7250), (47, 7256), (55, 7304), (56, 7319), (66, 7370), (67, 7373), (72, 7397), (74, 7403), (76, 7442), (77, 7445), (78, 7454),

Gene: Marshmallow_18 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for Marshmallow_18:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: Martik_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for Martik_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (66, 7382), (67, 7385), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: Mattes_10 Start: 7087, Stop: 7491, Start Num: 21

Candidate Starts for Mattes_10:

(Start: 21 @7087 has 201 MA's), (26, 7126), (33, 7168), (35, 7183), (37, 7195), (46, 7252), (55, 7306), (56, 7321), (59, 7333), (62, 7348), (72, 7399), (73, 7402), (74, 7405), (77, 7447), (78, 7456),

Gene: Maxxinista_18 Start: 9884, Stop: 10288, Start Num: 20

Candidate Starts for Maxxinista_18:

(13, 9851), (16, 9872), (Start: 20 @9884 has 119 MA's), (46, 10055), (48, 10067), (56, 10124), (72, 10193), (81, 10274), (82, 10283),

Gene: Megiddo_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for Megiddo_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: Melville_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Melville_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: MichelleMyBell_12 Start: 7383, Stop: 7802, Start Num: 15

Candidate Starts for MichelleMyBell_12:

(2, 7212), (Start: 15 @7383 has 38 MA's), (Start: 25 @7428 has 2 MA's), (46, 7554), (56, 7632), (68, 7686), (71, 7701), (72, 7707),

Gene: MilanaBonita_11 Start: 7745, Stop: 8152, Start Num: 21

Candidate Starts for MilanaBonita_11:

(8, 7667), (12, 7700), (Start: 21 @7745 has 201 MA's), (24, 7778), (26, 7784), (33, 7826), (35, 7841), (38, 7856), (41, 7874), (44, 7901), (46, 7910), (47, 7916), (53, 7952), (55, 7964), (56, 7979), (60, 7994), (61, 8003), (63, 8009), (66, 8030), (68, 8036), (73, 8060), (74, 8063), (78, 8114),

Gene: MilleniumForce_11 Start: 7745, Stop: 8152, Start Num: 21

Candidate Starts for MilleniumForce_11:

(8, 7667), (12, 7700), (Start: 21 @7745 has 201 MA's), (24, 7778), (26, 7784), (33, 7826), (35, 7841), (38, 7856), (41, 7874), (44, 7901), (46, 7910), (47, 7916), (53, 7952), (55, 7964), (56, 7979), (60, 7994), (61, 8003), (63, 8009), (66, 8030), (68, 8036), (73, 8060), (74, 8063), (78, 8114),

Gene: Mindy_18 Start: 10726, Stop: 11130, Start Num: 20

Candidate Starts for Mindy_18:

(13, 10693), (16, 10714), (Start: 20 @10726 has 119 MA's), (46, 10897), (48, 10909), (56, 10966), (72, 11035), (81, 11116), (82, 11125),

Gene: MinionDave_11 Start: 7745, Stop: 8152, Start Num: 21

Candidate Starts for MinionDave_11:

(8, 7667), (12, 7700), (Start: 21 @7745 has 201 MA's), (24, 7778), (26, 7784), (33, 7826), (35, 7841), (38, 7856), (41, 7874), (44, 7901), (46, 7910), (47, 7916), (53, 7952), (55, 7964), (56, 7979), (60, 7994), (61, 8003), (63, 8009), (66, 8030), (68, 8036), (73, 8060), (74, 8063), (78, 8114),

Gene: Miniwave_18 Start: 11145, Stop: 11549, Start Num: 20

Candidate Starts for Miniwave_18:

(13, 11112), (16, 11133), (Start: 20 @11145 has 119 MA's), (46, 11316), (48, 11328), (56, 11385), (72, 11454), (81, 11535), (82, 11544),

Gene: Minnie_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Minnie_10:

(Start: 21 @7112 has 201 MA's), (Start: 22 @7115 has 2 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: Misfit_17 Start: 10501, Stop: 10905, Start Num: 20

Candidate Starts for Misfit_17:

(13, 10468), (16, 10489), (Start: 20 @10501 has 119 MA's), (46, 10672), (48, 10684), (56, 10741), (72, 10810), (81, 10891), (82, 10900),

Gene: Misha28_11 Start: 6951, Stop: 7355, Start Num: 21

Candidate Starts for Misha28_11:

(6, 6849), (Start: 21 @6951 has 201 MA's), (24, 6984), (Start: 25 @6987 has 2 MA's), (26, 6990), (Start: 29 @7008 has 1 MA's), (33, 7032), (35, 7047), (37, 7059), (46, 7116), (47, 7122), (55, 7170), (56, 7185), (57, 7188), (62, 7212), (72, 7263), (74, 7269), (77, 7311), (78, 7320),

Gene: MisterCuddles_10 Start: 7101, Stop: 7505, Start Num: 21

Candidate Starts for MisterCuddles_10:

(Start: 21 @7101 has 201 MA's), (24, 7134), (Start: 25 @7137 has 2 MA's), (26, 7140), (33, 7182), (35, 7197), (37, 7209), (46, 7266), (47, 7272), (55, 7320), (56, 7335), (57, 7338), (62, 7362), (72, 7413), (74, 7419), (77, 7461), (78, 7470),

Gene: Modragons_10 Start: 7094, Stop: 7498, Start Num: 21

Candidate Starts for Modragons_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (57, 7331), (62, 7355), (72, 7406), (74, 7412), (77, 7454), (78, 7463),

Gene: Moldemort_18 Start: 10159, Stop: 10563, Start Num: 20

Candidate Starts for Moldemort_18:

(13, 10126), (16, 10147), (Start: 20 @10159 has 119 MA's), (46, 10330), (48, 10342), (56, 10399), (72, 10468), (81, 10549), (82, 10558),

Gene: MooMoo_10 Start: 6653, Stop: 7069, Start Num: 21

Candidate Starts for MooMoo_10:

(Start: 14 @6620 has 67 MA's), (18, 6644), (Start: 21 @6653 has 201 MA's), (27, 6710), (Start: 29 @6719 has 1 MA's), (30, 6722), (32, 6734), (34, 6755), (35, 6758), (39, 6779), (51, 6854), (56, 6896), (64, 6932), (73, 6974), (74, 6977), (75, 6992),

Gene: Moonbeam_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for Moonbeam_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: Mori_45 Start: 22963, Stop: 23415, Start Num: 14

Candidate Starts for Mori_45:

(Start: 14 @22963 has 67 MA's), (Start: 25 @23056 has 2 MA's), (26, 23059), (27, 23068), (Start: 29 @23077 has 1 MA's), (40, 23140), (45, 23182), (49, 23200), (50, 23212), (56, 23263), (57, 23266),

(65, 23290), (71, 23311), (72, 23317),

Gene: Mosby_17 Start: 10455, Stop: 10859, Start Num: 20

Candidate Starts for Mosby_17:

(13, 10422), (16, 10443), (Start: 20 @10455 has 119 MA's), (46, 10626), (48, 10638), (56, 10695), (72, 10764), (81, 10845), (82, 10854),

Gene: Mova_11 Start: 6950, Stop: 7354, Start Num: 21

Candidate Starts for Mova_11:

(Start: 21 @6950 has 201 MA's), (26, 6989), (Start: 29 @7007 has 1 MA's), (33, 7031), (35, 7046), (37, 7058), (38, 7061), (44, 7106), (46, 7115), (47, 7121), (55, 7169), (56, 7184), (72, 7262), (74, 7268), (76, 7307), (77, 7310), (78, 7319),

Gene: Mozy_11 Start: 6945, Stop: 7352, Start Num: 21

Candidate Starts for Mozy_11:

(6, 6843), (8, 6867), (10, 6876), (12, 6900), (Start: 21 @6945 has 201 MA's), (24, 6978), (26, 6984), (33, 7026), (35, 7041), (38, 7056), (41, 7074), (44, 7101), (46, 7110), (47, 7116), (53, 7152), (55, 7164), (56, 7179), (60, 7194), (61, 7203), (63, 7209), (66, 7230), (68, 7236), (73, 7260), (74, 7263), (78, 7314),

Gene: MulchSalad_10 Start: 7098, Stop: 7502, Start Num: 21

Candidate Starts for MulchSalad_10:

(Start: 21 @7098 has 201 MA's), (24, 7131), (Start: 25 @7134 has 2 MA's), (26, 7137), (Start: 29 @7155 has 1 MA's), (33, 7179), (35, 7194), (37, 7206), (44, 7254), (46, 7263), (47, 7269), (55, 7317), (56, 7332), (66, 7383), (67, 7386), (72, 7410), (74, 7416), (76, 7455), (77, 7458), (78, 7467),

Gene: Murai_46 Start: 23153, Stop: 23605, Start Num: 14

Candidate Starts for Murai_46:

(Start: 14 @23153 has 67 MA's), (Start: 25 @23246 has 2 MA's), (26, 23249), (27, 23258), (Start: 29 @23267 has 1 MA's), (40, 23330), (45, 23372), (49, 23390), (50, 23402), (56, 23453), (57, 23456), (65, 23480), (71, 23501), (72, 23507),

Gene: Murica_16 Start: 10413, Stop: 10817, Start Num: 20

Candidate Starts for Murica_16:

(13, 10380), (16, 10401), (Start: 20 @10413 has 119 MA's), (46, 10584), (48, 10596), (56, 10653), (72, 10722), (81, 10803), (82, 10812),

Gene: Murphy_17 Start: 9876, Stop: 10280, Start Num: 20

Candidate Starts for Murphy_17:

(13, 9843), (16, 9864), (Start: 20 @9876 has 119 MA's), (46, 10047), (48, 10059), (56, 10116), (72, 10185), (81, 10266), (82, 10275),

Gene: Mutaforma13_10 Start: 7095, Stop: 7502, Start Num: 21

Candidate Starts for Mutaforma13_10:

(8, 7017), (Start: 21 @7095 has 201 MA's), (26, 7134), (35, 7191), (38, 7206), (41, 7224), (43, 7239), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (60, 7344), (61, 7353), (63, 7359), (66, 7380), (68, 7386), (73, 7410), (74, 7413), (78, 7464),

Gene: Myrale_18 Start: 10818, Stop: 11222, Start Num: 20

Candidate Starts for Myrale_18:

(13, 10785), (16, 10806), (Start: 20 @10818 has 119 MA's), (46, 10989), (48, 11001), (56, 11058), (72, 11127), (81, 11208), (82, 11217),

Gene: Nala_17 Start: 10455, Stop: 10859, Start Num: 20

Candidate Starts for Nala_17:

(13, 10422), (16, 10443), (Start: 20 @10455 has 119 MA's), (46, 10626), (48, 10638), (56, 10695), (72, 10764), (81, 10845), (82, 10854),

Gene: Nazo_12 Start: 8018, Stop: 8455, Start Num: 14

Candidate Starts for Nazo_12:

(Start: 14 @8018 has 67 MA's), (56, 8276), (64, 8315), (71, 8348), (79, 8423), (80, 8429),

Gene: Necropolis_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Necropolis_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: NelitzaMV_18 Start: 11017, Stop: 11421, Start Num: 20

Candidate Starts for NelitzaMV_18:

(13, 10984), (16, 11005), (Start: 20 @11017 has 119 MA's), (46, 11188), (48, 11200), (56, 11257), (72, 11326), (81, 11407), (82, 11416),

Gene: Nenae_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Nenae_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: NiebruSaylor_45 Start: 22964, Stop: 23416, Start Num: 14

Candidate Starts for NiebruSaylor_45:

(Start: 14 @22964 has 67 MA's), (Start: 25 @23057 has 2 MA's), (26, 23060), (27, 23069), (Start: 29 @23078 has 1 MA's), (40, 23141), (45, 23183), (49, 23201), (50, 23213), (56, 23264), (57, 23267), (65, 23291), (71, 23312), (72, 23318),

Gene: Nimbo_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Nimbo_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Nimrod_17 Start: 10656, Stop: 11060, Start Num: 20

Candidate Starts for Nimrod_17:

(13, 10623), (16, 10644), (Start: 20 @10656 has 119 MA's), (46, 10827), (48, 10839), (56, 10896), (72, 10965), (81, 11046), (82, 11055),

Gene: Nitzel_11 Start: 7748, Stop: 8152, Start Num: 21

Candidate Starts for Nitzel_11:

(Start: 21 @7748 has 201 MA's), (24, 7781), (Start: 25 @7784 has 2 MA's), (26, 7787), (Start: 29 @7805 has 1 MA's), (33, 7829), (35, 7844), (37, 7856), (44, 7904), (46, 7913), (47, 7919), (55, 7967), (56, 7982), (66, 8033), (67, 8036), (72, 8060), (74, 8066), (76, 8105), (77, 8108), (78, 8117),

Gene: Nivrat_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for Nivrat_10:

(Start: 21 @7096 has 201 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (66, 7381), (67, 7384), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: NoSleep_18 Start: 10156, Stop: 10560, Start Num: 20

Candidate Starts for NoSleep_18:

(13, 10123), (16, 10144), (Start: 20 @10156 has 119 MA's), (46, 10327), (48, 10339), (56, 10396), (72, 10465), (81, 10546), (82, 10555),

Gene: NormanBulbieJr_10 Start: 7083, Stop: 7487, Start Num: 21

Candidate Starts for NormanBulbieJr_10:

(Start: 21 @7083 has 201 MA's), (Start: 22 @7086 has 2 MA's), (24, 7116), (Start: 25 @7119 has 2 MA's), (26, 7122), (Start: 29 @7140 has 1 MA's), (33, 7164), (35, 7179), (37, 7191), (44, 7239), (46, 7248), (47, 7254), (55, 7302), (56, 7317), (72, 7395), (74, 7401), (76, 7440), (77, 7443), (78, 7452),

Gene: Ochi17_10 Start: 7094, Stop: 7498, Start Num: 21

Candidate Starts for Ochi17_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (57, 7331), (62, 7355), (72, 7406), (74, 7412), (77, 7454), (78, 7463),

Gene: OfUltron_10 Start: 7094, Stop: 7498, Start Num: 21

Candidate Starts for OfUltron_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (57, 7331), (62, 7355), (72, 7406), (74, 7412), (77, 7454), (78, 7463),

Gene: Ogopogo_13 Start: 7350, Stop: 7754, Start Num: 21

Candidate Starts for Ogopogo_13:

(Start: 21 @7350 has 201 MA's), (24, 7383), (Start: 25 @7386 has 2 MA's), (26, 7389), (Start: 29 @7407 has 1 MA's), (33, 7431), (35, 7446), (37, 7458), (44, 7506), (46, 7515), (47, 7521), (55, 7569), (56, 7584), (66, 7635), (67, 7638), (72, 7662), (74, 7668), (77, 7710), (78, 7719),

Gene: OldBen_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for OldBen_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: OlympiaSaint_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for OlympiaSaint_10:

(Start: 21 @7096 has 201 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (66, 7381), (67, 7384), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: OrionPax_18 Start: 10159, Stop: 10563, Start Num: 20

Candidate Starts for OrionPax_18:

(13, 10126), (16, 10147), (Start: 20 @10159 has 119 MA's), (46, 10330), (48, 10342), (56, 10399), (72, 10468), (81, 10549), (82, 10558),

Gene: Ovechkin_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Ovechkin_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: OwlsT2W_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for OwlsT2W_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (38, 7059), (44, 7104), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: PHappiness_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for PHappiness_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: PMC_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for PMC_10:

(Start: 21 @7112 has 201 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: Pacc40_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Pacc40_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Palpatine_17 Start: 10452, Stop: 10856, Start Num: 20

Candidate Starts for Palpatine_17:

(13, 10419), (16, 10440), (Start: 20 @10452 has 119 MA's), (46, 10623), (48, 10635), (56, 10692), (72, 10761), (81, 10842), (82, 10851),

Gene: Panchino_12 Start: 7364, Stop: 7783, Start Num: 15

Candidate Starts for Panchino_12:

(2, 7193), (Start: 15 @7364 has 38 MA's), (46, 7535), (56, 7613), (68, 7667), (71, 7682), (72, 7688), (76, 7730),

Gene: Paperbeatsrock_19 Start: 11391, Stop: 11795, Start Num: 20

Candidate Starts for Paperbeatsrock_19:

(13, 11358), (16, 11379), (Start: 20 @11391 has 119 MA's), (46, 11562), (48, 11574), (56, 11631), (72, 11700), (81, 11781), (82, 11790),

Gene: Parmesanjohn_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Parmesanjohn_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Pat3_17 Start: 9659, Stop: 10063, Start Num: 20

Candidate Starts for Pat3_17:

(13, 9626), (16, 9647), (Start: 20 @9659 has 119 MA's), (46, 9830), (48, 9842), (56, 9899), (72, 9968), (81, 10049), (82, 10058),

Gene: Petra64142_18 Start: 10872, Stop: 11276, Start Num: 20

Candidate Starts for Petra64142_18:

(13, 10839), (16, 10860), (Start: 20 @10872 has 119 MA's), (46, 11043), (48, 11055), (56, 11112), (72, 11181), (81, 11262), (82, 11271),

Gene: Phaja_17 Start: 10607, Stop: 11011, Start Num: 20

Candidate Starts for Phaja_17:

(13, 10574), (16, 10595), (Start: 20 @10607 has 119 MA's), (46, 10778), (48, 10790), (56, 10847), (72, 10916), (81, 10997), (82, 11006),

Gene: Phalconet_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Phalconet_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Phalm_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for Phalm_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: PhancyPhin_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for PhancyPhin_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Phanphagia_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Phanphagia_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Pharsalus_18 Start: 11191, Stop: 11595, Start Num: 20

Candidate Starts for Pharsalus_18:

(13, 11158), (16, 11179), (Start: 20 @11191 has 119 MA's), (46, 11362), (48, 11374), (56, 11431), (72, 11500), (81, 11581), (82, 11590),

Gene: Phasih_10 Start: 7111, Stop: 7515, Start Num: 21

Candidate Starts for Phasih_10:

(Start: 21 @7111 has 201 MA's), (24, 7144), (Start: 25 @7147 has 2 MA's), (26, 7150), (33, 7192), (35, 7207), (37, 7219), (46, 7276), (47, 7282), (55, 7330), (56, 7345), (57, 7348), (62, 7372), (72, 7423), (74, 7429), (77, 7471), (78, 7480),

Gene: PhatBacter_17 Start: 10457, Stop: 10861, Start Num: 20

Candidate Starts for PhatBacter_17:

(13, 10424), (16, 10445), (Start: 20 @10457 has 119 MA's), (46, 10628), (48, 10640), (56, 10697), (72, 10766), (81, 10847), (82, 10856),

Gene: Phatniss_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Phatniss_10:

(Start: 21 @7095 has 201 MA's), (24, 7128), (Start: 25 @7131 has 2 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Phaux_16 Start: 10455, Stop: 10859, Start Num: 20

Candidate Starts for Phaux_16:

(13, 10422), (16, 10443), (Start: 20 @10455 has 119 MA's), (46, 10626), (48, 10638), (56, 10695), (72, 10764), (81, 10845), (82, 10854),

Gene: Phayonce_12 Start: 7972, Stop: 8409, Start Num: 14

Candidate Starts for Phayonce_12:

(Start: 14 @7972 has 67 MA's), (56, 8230), (71, 8302),

Gene: Phegasus_13 Start: 8287, Stop: 8724, Start Num: 14

Candidate Starts for Phegasus_13:

(Start: 14 @8287 has 67 MA's), (28, 8353), (56, 8545), (57, 8548), (64, 8584), (71, 8617), (79, 8692), (80, 8698),

Gene: Philonius_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Philonius_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Philus_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for Philus_10:

(Start: 21 @7096 has 201 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (66, 7381), (67, 7384), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Phineas_13 Start: 8294, Stop: 8731, Start Num: 14

Candidate Starts for Phineas_13:

(Start: 14 @8294 has 67 MA's), (56, 8552), (57, 8555), (64, 8591), (71, 8624), (79, 8699), (80, 8705),

Gene: Phloss_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Phloss_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Phrann_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Phrann_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Phrux_17 Start: 10155, Stop: 10559, Start Num: 20

Candidate Starts for Phrux_17:

(13, 10122), (16, 10143), (Start: 20 @10155 has 119 MA's), (46, 10326), (48, 10338), (56, 10395), (72, 10464), (81, 10545), (82, 10554),

Gene: Piper2020_11 Start: 6950, Stop: 7354, Start Num: 21

Candidate Starts for Piper2020_11:

(Start: 21 @6950 has 201 MA's), (24, 6983), (Start: 25 @6986 has 2 MA's), (26, 6989), (Start: 29 @7007 has 1 MA's), (33, 7031), (35, 7046), (37, 7058), (44, 7106), (46, 7115), (47, 7121), (55, 7169), (56, 7184), (72, 7262), (74, 7268), (76, 7307), (77, 7310), (78, 7319),

Gene: Pippy_10 Start: 7086, Stop: 7487, Start Num: 22

Candidate Starts for Pippy_10:

(Start: 21 @7083 has 201 MA's), (Start: 22 @7086 has 2 MA's), (24, 7116), (Start: 25 @7119 has 2 MA's), (26, 7122), (Start: 29 @7140 has 1 MA's), (33, 7164), (35, 7179), (37, 7191), (44, 7239), (46, 7248), (47, 7254), (55, 7302), (56, 7317), (72, 7395), (74, 7401), (76, 7440), (77, 7443), (78, 7452),

Gene: Pipsqueaks_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Pipsqueaks_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Plumbus_11 Start: 6949, Stop: 7353, Start Num: 21

Candidate Starts for Plumbus_11:

(Start: 21 @6949 has 201 MA's), (26, 6988), (33, 7030), (35, 7045), (37, 7057), (38, 7060), (46, 7114), (47, 7120), (55, 7168), (56, 7183), (62, 7210), (72, 7261), (74, 7267), (76, 7306), (77, 7309), (78, 7318),

Gene: Poenanya_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Poenanya_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Policronamos_17 Start: 10457, Stop: 10861, Start Num: 20

Candidate Starts for Policronamos_17:

(13, 10424), (16, 10445), (Start: 20 @10457 has 119 MA's), (46, 10628), (48, 10640), (56, 10697), (72, 10766), (81, 10847), (82, 10856),

Gene: Polka14_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for Polka14_10:

(Start: 21 @7096 has 201 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (38, 7207), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Polkaroo_13 Start: 8322, Stop: 8759, Start Num: 14

Candidate Starts for Polkaroo_13:

(5, 8241), (Start: 14 @8322 has 67 MA's), (28, 8388), (56, 8580), (57, 8583), (64, 8619), (71, 8652), (79, 8727), (80, 8733),

Gene: Pollywog_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Pollywog_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (38, 7059), (44, 7104), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: PopTart_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for PopTart_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (42, 7232), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Porky_16 Start: 9729, Stop: 10133, Start Num: 20

Candidate Starts for Porky_16:

(13, 9696), (16, 9717), (Start: 20 @9729 has 119 MA's), (46, 9900), (48, 9912), (56, 9969), (72, 10038), (81, 10119), (82, 10128),

Gene: Priscilla_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for Priscilla_10:

(Start: 21 @7096 has 201 MA's), (Start: 22 @7099 has 2 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Pumpkin_18 Start: 9972, Stop: 10376, Start Num: 20

Candidate Starts for Pumpkin_18:

(13, 9939), (16, 9960), (Start: 20 @9972 has 119 MA's), (46, 10143), (48, 10155), (56, 10212), (72, 10281), (81, 10362), (82, 10371),

Gene: Purgamenstris_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Purgamenstris_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Purky_12 Start: 7981, Stop: 8418, Start Num: 14

Candidate Starts for Purky_12:

(Start: 14 @7981 has 67 MA's), (56, 8239), (64, 8278), (70, 8308),

Gene: Pygmy_12 Start: 8023, Stop: 8460, Start Num: 14

Candidate Starts for Pygmy_12:

(Start: 14 @8023 has 67 MA's), (56, 8281), (57, 8284), (71, 8353), (79, 8428), (80, 8434),

Gene: Quallification_19 Start: 11154, Stop: 11558, Start Num: 20

Candidate Starts for Quallification_19:

(13, 11121), (16, 11142), (Start: 20 @11154 has 119 MA's), (46, 11325), (48, 11337), (56, 11394), (72, 11463), (81, 11544), (82, 11553),

Gene: QueenHazel_12 Start: 8360, Stop: 8779, Start Num: 21

Candidate Starts for QueenHazel_12:

(Start: 21 @8360 has 201 MA's), (27, 8417), (30, 8429), (45, 8534), (56, 8606), (72, 8681), (75, 8702), (77, 8726),

Gene: QuickMath_10 Start: 7098, Stop: 7505, Start Num: 21

Candidate Starts for QuickMath_10:

(8, 7020), (12, 7053), (Start: 21 @7098 has 201 MA's), (24, 7131), (26, 7137), (33, 7179), (35, 7194), (38, 7209), (41, 7227), (44, 7254), (46, 7263), (47, 7269), (53, 7305), (55, 7317), (56, 7332), (60, 7347), (61, 7356), (63, 7362), (66, 7383), (68, 7389), (73, 7413), (74, 7416), (78, 7467),

Gene: Quico_11 Start: 6943, Stop: 7347, Start Num: 21

Candidate Starts for Quico_11:

(Start: 21 @6943 has 201 MA's), (26, 6982), (33, 7024), (35, 7039), (37, 7051), (46, 7108), (47, 7114), (55, 7162), (56, 7177), (62, 7204), (72, 7255), (74, 7261), (77, 7303), (78, 7312),

Gene: Radiance_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Radiance_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (33, 7176), (35, 7191), (37, 7203), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (62, 7356), (74, 7413), (77, 7455), (78, 7464),

Gene: Rakim_19 Start: 11061, Stop: 11465, Start Num: 20

Candidate Starts for Rakim_19:

(13, 11028), (16, 11049), (Start: 20 @11061 has 119 MA's), (46, 11232), (48, 11244), (56, 11301), (72, 11370), (81, 11451), (82, 11460),

Gene: Ramsey_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for Ramsey_11:

(6, 6845), (17, 6935), (Start: 21 @6947 has 201 MA's), (24, 6980), (Start: 25 @6983 has 2 MA's), (26, 6986), (Start: 29 @7004 has 1 MA's), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (72, 7259), (74, 7265), (76, 7304), (77, 7307), (78, 7316),

Gene: Raymond7_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Raymond7_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Rebel_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Rebel_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: RedBird_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for RedBird_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Redi_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Redi_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Renaud18_11 Start: 7410, Stop: 7835, Start Num: 21

Candidate Starts for Renaud18_11:

(5, 7290), (12, 7365), (Start: 21 @7410 has 201 MA's), (24, 7458), (Start: 25 @7461 has 2 MA's), (26, 7464), (46, 7590), (47, 7596), (56, 7659), (64, 7698), (67, 7716), (68, 7719), (69, 7725), (74, 7746), (76, 7782), (78, 7794),

Gene: Rialto_11 Start: 6949, Stop: 7353, Start Num: 21

Candidate Starts for Rialto_11:

(Start: 21 @6949 has 201 MA's), (24, 6982), (Start: 25 @6985 has 2 MA's), (26, 6988), (Start: 29 @7006 has 1 MA's), (33, 7030), (35, 7045), (37, 7057), (44, 7105), (46, 7114), (47, 7120), (55, 7168), (56, 7183), (72, 7261), (74, 7267), (76, 7306), (77, 7309), (78, 7318),

Gene: Rimmer_17 Start: 10514, Stop: 10918, Start Num: 20

Candidate Starts for Rimmer_17:

(13, 10481), (16, 10502), (Start: 20 @10514 has 119 MA's), (46, 10685), (48, 10697), (56, 10754), (72, 10823), (81, 10904), (82, 10913),

Gene: Rita_10 Start: 7098, Stop: 7505, Start Num: 21

Candidate Starts for Rita_10:

(8, 7020), (10, 7029), (12, 7053), (Start: 21 @7098 has 201 MA's), (26, 7137), (35, 7194), (38, 7209), (41, 7227), (42, 7233), (43, 7242), (44, 7254), (46, 7263), (47, 7269), (52, 7293), (55, 7317), (56, 7332), (58, 7341), (60, 7347), (61, 7356), (63, 7362), (66, 7383), (68, 7389), (74, 7416), (78, 7467),

Gene: RitaG_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for RitaG_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: RiverMonster_17 Start: 10169, Stop: 10573, Start Num: 20

Candidate Starts for RiverMonster_17:

(13, 10136), (16, 10157), (Start: 20 @10169 has 119 MA's), (46, 10340), (48, 10352), (56, 10409), (72, 10478), (81, 10559), (82, 10568),

Gene: Rockne_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Rockne_10:

(Start: 21 @7112 has 201 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: RockyHorror_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for RockyHorror_11:

(Start: 21 @6947 has 201 MA's), (24, 6980), (Start: 25 @6983 has 2 MA's), (26, 6986), (Start: 29 @7004 has 1 MA's), (33, 7028), (35, 7043), (37, 7055), (44, 7103), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (66, 7232), (67, 7235), (72, 7259), (74, 7265), (76, 7304), (77, 7307), (78, 7316),

Gene: Royals2015_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Royals2015_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Rubeelu_12 Start: 7363, Stop: 7782, Start Num: 15

Candidate Starts for Rubeelu_12:

(Start: 15 @7363 has 38 MA's), (Start: 25 @7408 has 2 MA's), (46, 7534), (56, 7612), (68, 7666), (71, 7681), (72, 7687),

Gene: Ruby_10 Start: 7101, Stop: 7505, Start Num: 21

Candidate Starts for Ruby_10:

(Start: 21 @7101 has 201 MA's), (24, 7134), (Start: 25 @7137 has 2 MA's), (26, 7140), (33, 7182), (35, 7197), (37, 7209), (46, 7266), (47, 7272), (55, 7320), (56, 7335), (57, 7338), (62, 7362), (72, 7413), (74, 7419), (77, 7461), (78, 7470),

Gene: Ryadel_50 Start: 24437, Stop: 24880, Start Num: 14

Candidate Starts for Ryadel_50:

(11, 24404), (Start: 14 @24437 has 67 MA's), (Start: 25 @24521 has 2 MA's), (26, 24524), (Start: 29 @24542 has 1 MA's), (40, 24605), (45, 24647), (49, 24665), (50, 24677), (56, 24728), (57, 24731), (65, 24755), (71, 24776), (72, 24782), (78, 24836),

Gene: SG4_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for SG4_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Saal_10 Start: 7084, Stop: 7488, Start Num: 21

Candidate Starts for Saal_10:

(Start: 21 @7084 has 201 MA's), (Start: 22 @7087 has 2 MA's), (24, 7117), (Start: 25 @7120 has 2 MA's), (26, 7123), (Start: 29 @7141 has 1 MA's), (33, 7165), (35, 7180), (37, 7192), (44, 7240), (46, 7249), (47, 7255), (55, 7303), (56, 7318), (72, 7396), (74, 7402), (76, 7441), (77, 7444), (78, 7453),

Gene: Sabbb_10 Start: 7099, Stop: 7503, Start Num: 21

Candidate Starts for Sabbb_10:

(Start: 21 @7099 has 201 MA's), (24, 7132), (Start: 25 @7135 has 2 MA's), (26, 7138), (33, 7180), (35, 7195), (37, 7207), (46, 7264), (47, 7270), (55, 7318), (56, 7333), (57, 7336), (62, 7360), (72, 7411), (74, 7417), (76, 7456), (77, 7459), (78, 7468),

Gene: Saints25_18 Start: 10078, Stop: 10482, Start Num: 20

Candidate Starts for Saints25_18:

(13, 10045), (16, 10066), (Start: 20 @10078 has 119 MA's), (46, 10249), (48, 10261), (56, 10318), (72, 10387), (81, 10468), (82, 10477),

Gene: Sandalphon_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Sandalphon_10:

(Start: 21 @7112 has 201 MA's), (Start: 22 @7115 has 2 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (Start: 29 @7169 has 1 MA's), (33, 7193), (35, 7208), (37, 7220), (44, 7268), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (72, 7424), (74, 7430), (76, 7469), (77, 7472), (78, 7481),

Gene: Sarma624_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for Sarma624_11:

(Start: 21 @6947 has 201 MA's), (26, 6986), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (66, 7232), (67, 7235), (72, 7259), (74, 7265), (76, 7304), (77, 7307), (78, 7316),

Gene: Sassafras_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Sassafras_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Sassay_17 Start: 10455, Stop: 10859, Start Num: 20

Candidate Starts for Sassay_17:

(13, 10422), (16, 10443), (Start: 20 @10455 has 119 MA's), (46, 10626), (48, 10638), (56, 10695), (72, 10764), (81, 10845), (82, 10854),

Gene: SassyB_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for SassyB_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (42, 7232), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Sbash_11 Start: 7943, Stop: 8359, Start Num: 21

Candidate Starts for Sbash_11:

(18, 7934), (Start: 21 @7943 has 201 MA's), (27, 8000), (Start: 29 @8009 has 1 MA's), (30, 8012), (38, 8063), (45, 8114), (56, 8186), (75, 8282), (77, 8306),

Gene: Schnauzer_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Schnauzer_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: SchoolBus_46 Start: 23378, Stop: 23830, Start Num: 14

Candidate Starts for SchoolBus_46:

(Start: 14 @23378 has 67 MA's), (Start: 25 @23471 has 2 MA's), (26, 23474), (Start: 29 @23492 has 1 MA's), (40, 23555), (45, 23597), (49, 23615), (50, 23627), (56, 23678), (57, 23681), (65, 23705), (71, 23726), (72, 23732),

Gene: Schuy_44 Start: 23311, Stop: 23763, Start Num: 14

Candidate Starts for Schuy_44:

(Start: 14 @23311 has 67 MA's), (Start: 25 @23404 has 2 MA's), (26, 23407), (27, 23416), (Start: 29 @23425 has 1 MA's), (40, 23488), (45, 23530), (49, 23548), (50, 23560), (56, 23611), (57, 23614), (65, 23638), (71, 23659), (72, 23665),

Gene: Scitech_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Scitech_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Scottish_10 Start: 7095, Stop: 7499, Start Num: 21

Candidate Starts for Scottish_10:

(Start: 21 @7095 has 201 MA's), (26, 7134), (Start: 29 @7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (38, 7206), (44, 7251), (46, 7260), (47, 7266), (55, 7314), (56, 7329), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Seabastian_10 Start: 7094, Stop: 7498, Start Num: 21

Candidate Starts for Seabastian_10:

(Start: 21 @7094 has 201 MA's), (26, 7133), (Start: 29 @7151 has 1 MA's), (33, 7175), (35, 7190), (37, 7202), (38, 7205), (46, 7259), (47, 7265), (55, 7313), (56, 7328), (57, 7331), (62, 7355), (72, 7406), (74, 7412), (77, 7454), (78, 7463),

Gene: Seagreen_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Seagreen_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (57, 7185), (62, 7209), (72, 7260), (74, 7266), (77, 7308), (78, 7317),

Gene: ShamWow_18 Start: 10948, Stop: 11352, Start Num: 20

Candidate Starts for ShamWow_18:

(13, 10915), (16, 10936), (Start: 20 @10948 has 119 MA's), (46, 11119), (48, 11131), (56, 11188), (72, 11257), (81, 11338), (82, 11347),

Gene: Shauna1_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Shauna1_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: ShereKhan_19 Start: 11397, Stop: 11801, Start Num: 20

Candidate Starts for ShereKhan_19:

(13, 11364), (16, 11385), (Start: 20 @11397 has 119 MA's), (46, 11568), (48, 11580), (56, 11637), (72, 11706), (81, 11787), (82, 11796),

Gene: ShiLan_10 Start: 7096, Stop: 7500, Start Num: 21

Candidate Starts for ShiLan_10:

(Start: 21 @7096 has 201 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29 @7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315), (56, 7330), (66, 7381), (67, 7384), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Shida_46 Start: 23218, Stop: 23670, Start Num: 14

Candidate Starts for Shida_46:

(Start: 14 @23218 has 67 MA's), (Start: 25 @23311 has 2 MA's), (26, 23314), (27, 23323), (Start: 29 @23332 has 1 MA's), (40, 23395), (45, 23437), (49, 23455), (50, 23467), (56, 23518), (57, 23521), (65, 23545), (71, 23566), (72, 23572),

Gene: Shipwreck_12 Start: 8001, Stop: 8438, Start Num: 14

Candidate Starts for Shipwreck_12:

(Start: 14 @8001 has 67 MA's), (56, 8259), (57, 8262), (71, 8331), (79, 8406), (80, 8412),

Gene: ShrimpFriedEgg_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for ShrimpFriedEgg_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: ShroomBoi_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for ShroomBoi_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Shweta_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Shweta_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: SiSi_10 Start: 7082, Stop: 7489, Start Num: 21

Candidate Starts for SiSi_10:

(8, 7004), (12, 7037), (Start: 21 @7082 has 201 MA's), (24, 7115), (26, 7121), (33, 7163), (35, 7178), (38, 7193), (41, 7211), (44, 7238), (46, 7247), (47, 7253), (53, 7289), (55, 7301), (56, 7316), (60, 7331), (61, 7340), (63, 7346), (66, 7367), (68, 7373), (73, 7397), (74, 7400), (78, 7451),

Gene: Silvafighter_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Silvafighter_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Silvy_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Silvy_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Simpliphy_18 Start: 10159, Stop: 10563, Start Num: 20

Candidate Starts for Simpliphy_18:

(13, 10126), (16, 10147), (Start: 20 @10159 has 119 MA's), (46, 10330), (48, 10342), (56, 10399), (72, 10468), (81, 10549), (82, 10558),

Gene: SimranZ1_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for SimranZ1_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (62, 7209), (72, 7260), (74, 7266), (77, 7308), (78, 7317),

Gene: SirDuracell_17 Start: 9614, Stop: 10018, Start Num: 20

Candidate Starts for SirDuracell_17:

(13, 9581), (16, 9602), (Start: 20 @9614 has 119 MA's), (46, 9785), (48, 9797), (56, 9854), (72, 9923), (81, 10004), (82, 10013),

Gene: SkinnyPete_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for SkinnyPete_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Smooch_48 Start: 24506, Stop: 24958, Start Num: 14

Candidate Starts for Smooch_48:

(Start: 14 @24506 has 67 MA's), (Start: 25 @24599 has 2 MA's), (26, 24602), (27, 24611), (Start: 29 @24620 has 1 MA's), (40, 24683), (45, 24725), (49, 24743), (50, 24755), (56, 24806), (57, 24809), (65, 24833), (71, 24854), (72, 24860),

Gene: Smurph_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Smurph_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Snekmaggedon_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for Snekmaggedon_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Sonah_13 Start: 8289, Stop: 8726, Start Num: 14

Candidate Starts for Sonah_13:

(Start: 14 @8289 has 67 MA's), (28, 8355), (56, 8547), (57, 8550), (64, 8586), (71, 8619), (79, 8694), (80, 8700),

Gene: SophKB_18 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for SophKB_18:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: Sotrice96_18 Start: 10903, Stop: 11307, Start Num: 20

Candidate Starts for Sotrice96_18:

(13, 10870), (16, 10891), (Start: 20 @10903 has 119 MA's), (46, 11074), (48, 11086), (56, 11143), (72, 11212), (81, 11293), (82, 11302),

Gene: Sparkdehlily_10 Start: 7111, Stop: 7515, Start Num: 21

Candidate Starts for Sparkdehlily_10:

(Start: 21 @7111 has 201 MA's), (24, 7144), (Start: 25 @7147 has 2 MA's), (26, 7150), (Start: 29 @7168 has 1 MA's), (33, 7192), (35, 7207), (37, 7219), (38, 7222), (44, 7267), (46, 7276), (47, 7282), (55, 7330), (56, 7345), (57, 7348), (72, 7423), (74, 7429), (76, 7468), (77, 7471), (78, 7480),

Gene: Spartacus_10 Start: 7083, Stop: 7490, Start Num: 21

Candidate Starts for Spartacus_10:

(8, 7005), (Start: 21 @7083 has 201 MA's), (24, 7116), (26, 7122), (33, 7164), (35, 7179), (38, 7194), (41, 7212), (44, 7239), (46, 7248), (47, 7254), (53, 7290), (55, 7302), (56, 7317), (58, 7326), (60, 7332), (61, 7341), (63, 7347), (66, 7368), (68, 7374), (73, 7398), (74, 7401), (78, 7452),

Gene: Spikelee_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Spikelee_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (38, 7059), (44, 7104), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (59, 7194), (62, 7209), (72, 7260), (74, 7266), (77, 7308), (78, 7317),

Gene: SpongeBob_12 Start: 7388, Stop: 7807, Start Num: 15

Candidate Starts for SpongeBob_12:

(2, 7217), (Start: 15 @7388 has 38 MA's), (46, 7559), (56, 7637), (68, 7691), (71, 7706), (72, 7712), (76, 7754),

Gene: Spoonbill_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for Spoonbill_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (33, 7178), (35, 7193), (37, 7205), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (57, 7334), (62, 7358), (72, 7409), (74, 7415), (77, 7457), (78, 7466),

Gene: Squirty_11 Start: 6946, Stop: 7350, Start Num: 21

Candidate Starts for Squirty_11:

(6, 6844), (Start: 21 @6946 has 201 MA's), (24, 6979), (Start: 25 @6982 has 2 MA's), (26, 6985), (Start: 29 @7003 has 1 MA's), (33, 7027), (35, 7042), (37, 7054), (46, 7111), (47, 7117), (55, 7165), (56, 7180), (57, 7183), (62, 7207), (72, 7258), (74, 7264), (77, 7306), (78, 7315),

Gene: StAnnes_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for StAnnes_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Stank_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Stank_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Stap_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Stap_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (62, 7209), (74, 7266), (77, 7308), (78, 7317),

Gene: Starcevich_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Starcevich_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (38, 7059), (44, 7104), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: Stark_18 Start: 10172, Stop: 10576, Start Num: 20

Candidate Starts for Stark_18:

(13, 10139), (16, 10160), (Start: 20 @10172 has 119 MA's), (46, 10343), (48, 10355), (56, 10412), (72, 10481), (81, 10562), (82, 10571),

Gene: StellaBean_18 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for StellaBean_18:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: StevieRay_13 Start: 8297, Stop: 8734, Start Num: 14

Candidate Starts for StevieRay_13:

(Start: 14 @8297 has 67 MA's), (56, 8555), (57, 8558), (64, 8594), (71, 8627), (79, 8702), (80, 8708),

Gene: StolenFromERC_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for StolenFromERC_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: StressBall_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for StressBall_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: Strokeseat_10 Start: 7085, Stop: 7489, Start Num: 21

Candidate Starts for Strokeseat_10:

(Start: 21 @7085 has 201 MA's), (24, 7118), (Start: 25 @7121 has 2 MA's), (26, 7124), (Start: 29 @7142 has 1 MA's), (33, 7166), (35, 7181), (37, 7193), (46, 7250), (47, 7256), (55, 7304), (56, 7319), (62, 7346), (72, 7397), (74, 7403), (77, 7445), (78, 7454),

Gene: SuperGrey_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for SuperGrey_10:

(8, 7019), (10, 7028), (12, 7052), (Start: 21 @7097 has 201 MA's), (26, 7136), (35, 7193), (38, 7208), (41, 7226), (42, 7232), (43, 7241), (44, 7253), (46, 7262), (47, 7268), (52, 7292), (55, 7316), (56, 7331), (58, 7340), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (74, 7415), (78, 7466),

Gene: SwagPigglett_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for SwagPigglett_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (66, 7382), (67, 7385), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: TBrady12_19 Start: 10401, Stop: 10805, Start Num: 20

Candidate Starts for TBrady12_19:

(13, 10368), (16, 10389), (Start: 20 @10401 has 119 MA's), (46, 10572), (48, 10584), (56, 10641), (72, 10710), (81, 10791), (82, 10800),

Gene: TChen_11 Start: 7533, Stop: 7958, Start Num: 21

Candidate Starts for TChen_11:

(12, 7488), (Start: 21 @7533 has 201 MA's), (24, 7581), (Start: 25 @7584 has 2 MA's), (26, 7587), (32, 7620), (47, 7719), (56, 7782), (64, 7821), (67, 7839), (68, 7842), (69, 7848), (74, 7869), (76, 7905), (78, 7917),

Gene: TDanisky_10 Start: 7111, Stop: 7515, Start Num: 21

Candidate Starts for TDanisky_10:

(Start: 21 @7111 has 201 MA's), (24, 7144), (Start: 25 @7147 has 2 MA's), (26, 7150), (Start: 29 @7168 has 1 MA's), (33, 7192), (35, 7207), (37, 7219), (38, 7222), (44, 7267), (46, 7276), (47, 7282), (55, 7330), (56, 7345), (57, 7348), (72, 7423), (74, 7429), (76, 7468), (77, 7471), (78, 7480),

Gene: Taj_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Taj_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Tapioca_12 Start: 7343, Stop: 7762, Start Num: 15

Candidate Starts for Tapioca_12:

(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Tarkin_19 Start: 11400, Stop: 11804, Start Num: 20

Candidate Starts for Tarkin_19:

(13, 11367), (16, 11388), (Start: 20 @11400 has 119 MA's), (46, 11571), (48, 11583), (56, 11640), (72, 11709), (81, 11790), (82, 11799),

Gene: TeardropMSU_17 Start: 10855, Stop: 11259, Start Num: 20

Candidate Starts for TeardropMSU_17:

(13, 10822), (16, 10843), (Start: 20 @10855 has 119 MA's), (46, 11026), (48, 11038), (56, 11095), (72, 11164), (81, 11245), (82, 11254),

Gene: Teaspoon_17 Start: 9854, Stop: 10258, Start Num: 20

Candidate Starts for Teaspoon_17:

(13, 9821), (16, 9842), (Start: 20 @9854 has 119 MA's), (46, 10025), (48, 10037), (56, 10094), (72, 10163), (81, 10244), (82, 10253),

Gene: Techage_13 Start: 8290, Stop: 8727, Start Num: 14

Candidate Starts for Techage_13:

(Start: 14 @8290 has 67 MA's), (28, 8356), (56, 8548), (57, 8551), (64, 8587), (71, 8620), (79, 8695), (80, 8701),

Gene: TelAviv_43 Start: 23372, Stop: 23824, Start Num: 14

Candidate Starts for TelAviv_43:

(Start: 14 @23372 has 67 MA's), (Start: 25 @23465 has 2 MA's), (26, 23468), (Start: 29 @23486 has 1 MA's), (40, 23549), (45, 23591), (49, 23609), (50, 23621), (56, 23672), (57, 23675), (65, 23699), (71, 23720), (72, 23726),

Gene: Terminus_17 Start: 10501, Stop: 10905, Start Num: 20

Candidate Starts for Terminus_17:

(13, 10468), (16, 10489), (Start: 20 @10501 has 119 MA's), (46, 10672), (48, 10684), (56, 10741), (72, 10810), (81, 10891), (82, 10900),

Gene: Thespis_13 Start: 8309, Stop: 8746, Start Num: 14

Candidate Starts for Thespis_13:

(5, 8228), (Start: 14 @8309 has 67 MA's), (28, 8375), (56, 8567), (57, 8570), (64, 8606), (71, 8639), (79, 8714), (80, 8720),

Gene: ThetaBob_11 Start: 7413, Stop: 7838, Start Num: 21

Candidate Starts for ThetaBob_11:

(5, 7293), (7, 7326), (12, 7368), (Start: 21 @7413 has 201 MA's), (24, 7461), (Start: 25 @7464 has 2 MA's), (26, 7467), (46, 7593), (47, 7599), (56, 7662), (64, 7701), (67, 7719), (68, 7722), (69, 7728), (74, 7749), (76, 7785), (78, 7797),

Gene: Thresher_18 Start: 11162, Stop: 11566, Start Num: 20

Candidate Starts for Thresher_18:

(13, 11129), (16, 11150), (Start: 20 @11162 has 119 MA's), (46, 11333), (48, 11345), (56, 11402), (72, 11471), (81, 11552), (82, 11561),

Gene: ThulaThula_12 Start: 7978, Stop: 8415, Start Num: 14

Candidate Starts for ThulaThula_12:

(1, 7558), (Start: 14 @7978 has 67 MA's), (56, 8236), (71, 8308),

Gene: Tomaszewski_17 Start: 10548, Stop: 10952, Start Num: 20

Candidate Starts for Tomaszewski_17:

(13, 10515), (16, 10536), (Start: 20 @10548 has 119 MA's), (46, 10719), (48, 10731), (56, 10788), (72, 10857), (81, 10938), (82, 10947),

Gene: TootsiePop_11 Start: 6951, Stop: 7355, Start Num: 21

Candidate Starts for TootsiePop_11:

(6, 6849), (Start: 21 @6951 has 201 MA's), (24, 6984), (Start: 25 @6987 has 2 MA's), (26, 6990), (Start: 29 @7008 has 1 MA's), (33, 7032), (35, 7047), (37, 7059), (46, 7116), (47, 7122), (55, 7170), (56, 7185), (57, 7188), (62, 7212), (72, 7263), (74, 7269), (77, 7311), (78, 7320),

Gene: Tootsieroll_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for Tootsieroll_11:

(Start: 21 @6948 has 201 MA's), (26, 6987), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (62, 7209), (74, 7266), (77, 7308), (78, 7317),

Gene: Tortellini_12 Start: 7995, Stop: 8432, Start Num: 14

Candidate Starts for Tortellini_12:

(5, 7914), (Start: 14 @7995 has 67 MA's), (31, 8073), (56, 8253), (64, 8292), (71, 8325),

Gene: Totinger_11 Start: 6949, Stop: 7353, Start Num: 21

Candidate Starts for Totinger_11:

(Start: 21 @6949 has 201 MA's), (24, 6982), (Start: 25 @6985 has 2 MA's), (26, 6988), (Start: 29 @7006 has 1 MA's), (33, 7030), (35, 7045), (37, 7057), (44, 7105), (46, 7114), (47, 7120), (55, 7168), (56, 7183), (72, 7261), (74, 7267), (76, 7306), (77, 7309), (78, 7318),

Gene: Toto_18 Start: 10948, Stop: 11352, Start Num: 20

Candidate Starts for Toto_18:

(13, 10915), (16, 10936), (Start: 20 @10948 has 119 MA's), (46, 11119), (48, 11131), (56, 11188), (72, 11257), (81, 11338), (82, 11347),

Gene: Traaww1_16 Start: 10593, Stop: 10997, Start Num: 20

Candidate Starts for Traaww1_16:

(13, 10560), (16, 10581), (Start: 20 @10593 has 119 MA's), (46, 10764), (48, 10776), (56, 10833), (72, 10902), (81, 10983), (82, 10992),

Gene: Tuco_18 Start: 10947, Stop: 11351, Start Num: 20

Candidate Starts for Tuco_18:

(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72, 11256), (81, 11337), (82, 11346),

Gene: Tweety_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Tweety_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Ukulele_17 Start: 10172, Stop: 10576, Start Num: 20

Candidate Starts for Ukulele_17:

(13, 10139), (16, 10160), (Start: 20 @10172 has 119 MA's), (46, 10343), (48, 10355), (56, 10412), (72, 10481), (81, 10562), (82, 10571),

Gene: UncleRicky_11 Start: 6948, Stop: 7352, Start Num: 21

Candidate Starts for UncleRicky_11:

(Start: 21 @6948 has 201 MA's), (24, 6981), (Start: 25 @6984 has 2 MA's), (26, 6987), (Start: 29 @7005 has 1 MA's), (33, 7029), (35, 7044), (37, 7056), (46, 7113), (47, 7119), (55, 7167), (56, 7182), (57, 7185), (62, 7209), (72, 7260), (74, 7266), (76, 7305), (77, 7308), (78, 7317),

Gene: VRedHorse_10 Start: 7097, Stop: 7501, Start Num: 21

Candidate Starts for VRedHorse_10:

(Start: 21 @7097 has 201 MA's), (24, 7130), (Start: 25 @7133 has 2 MA's), (26, 7136), (Start: 29 @7154 has 1 MA's), (33, 7178), (35, 7193), (37, 7205), (44, 7253), (46, 7262), (47, 7268), (55, 7316), (56, 7331), (72, 7409), (74, 7415), (76, 7454), (77, 7457), (78, 7466),

Gene: Velveteen_11 Start: 6947, Stop: 7351, Start Num: 21

Candidate Starts for Velveteen_11:

(Start: 21 @6947 has 201 MA's), (26, 6986), (33, 7028), (35, 7043), (37, 7055), (46, 7112), (47, 7118), (55, 7166), (56, 7181), (57, 7184), (62, 7208), (66, 7232), (67, 7235), (72, 7259), (74, 7265), (76, 7304), (77, 7307), (78, 7316),

Gene: Venti_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Venti_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Veteran_10 Start: 7112, Stop: 7516, Start Num: 21

Candidate Starts for Veteran_10:

(Start: 21 @7112 has 201 MA's), (24, 7145), (Start: 25 @7148 has 2 MA's), (26, 7151), (33, 7193), (35, 7208), (37, 7220), (46, 7277), (47, 7283), (55, 7331), (56, 7346), (62, 7373), (74, 7430), (77, 7472), (78, 7481),

Gene: Vidya_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Vidya_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Vorrps_45 Start: 22964, Stop: 23416, Start Num: 14

Candidate Starts for Vorrps_45:

(Start: 14 @22964 has 67 MA's), (Start: 25 @23057 has 2 MA's), (26, 23060), (27, 23069), (Start: 29 @23078 has 1 MA's), (40, 23141), (45, 23183), (49, 23201), (50, 23213), (56, 23264), (57, 23267), (65, 23291), (71, 23312), (72, 23318),

Gene: Wachhund_10 Start: 7088, Stop: 7492, Start Num: 21

Candidate Starts for Wachhund_10:

(Start: 21 @7088 has 201 MA's), (26, 7127), (Start: 29 @7145 has 1 MA's), (33, 7169), (35, 7184), (37, 7196), (46, 7253), (47, 7259), (55, 7307), (56, 7322), (62, 7349), (74, 7406), (77, 7448), (78, 7457),

Gene: Wee_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Wee_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Whatsapiecost_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for Whatsapiecost_10:

(8, 7019), (12, 7052), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Whouxphf_10 Start: 7087, Stop: 7491, Start Num: 21

Candidate Starts for Whouxphf_10:

(Start: 21 @7087 has 201 MA's), (24, 7120), (Start: 25 @7123 has 2 MA's), (26, 7126), (33, 7168), (35, 7183), (37, 7195), (46, 7252), (47, 7258), (55, 7306), (56, 7321), (57, 7324), (62, 7348), (72, 7399), (74, 7405), (77, 7447), (78, 7456),

Gene: Wiggin_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Wiggin_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Wildflower_44 Start: 22950, Stop: 23402, Start Num: 14

Candidate Starts for Wildflower_44:

(Start: 14 @22950 has 67 MA's), (Start: 25 @23043 has 2 MA's), (26, 23046), (Start: 29 @23064 has 1 MA's), (40, 23127), (45, 23169), (49, 23187), (50, 23199), (56, 23250), (57, 23253), (65, 23277), (71, 23298), (72, 23304),

Gene: WillSterrel_10 Start: 7083, Stop: 7490, Start Num: 21

Candidate Starts for WillSterrel_10:

(8, 7005), (Start: 21 @7083 has 201 MA's), (24, 7116), (26, 7122), (33, 7164), (35, 7179), (38, 7194), (41, 7212), (44, 7239), (46, 7248), (47, 7254), (53, 7290), (55, 7302), (56, 7317), (58, 7326), (60, 7332), (61, 7341), (63, 7347), (66, 7368), (68, 7374), (73, 7398), (74, 7401), (78, 7452),

Gene: Willez_17 Start: 10455, Stop: 10859, Start Num: 20

Candidate Starts for Willez_17:

(13, 10422), (16, 10443), (Start: 20 @10455 has 119 MA's), (46, 10626), (48, 10638), (56, 10695), (72, 10764), (81, 10845), (82, 10854),

Gene: Willsammy_13 Start: 8312, Stop: 8749, Start Num: 14

Candidate Starts for Willsammy_13:

(5, 8231), (Start: 14 @8312 has 67 MA's), (28, 8378), (56, 8570), (57, 8573), (64, 8609), (71, 8642), (79, 8717), (80, 8723),

Gene: Winget_47 Start: 23644, Stop: 24096, Start Num: 14

Candidate Starts for Winget_47:

(Start: 14 @23644 has 67 MA's), (Start: 25 @23737 has 2 MA's), (26, 23740), (Start: 29 @23758 has 1 MA's), (40, 23821), (45, 23863), (49, 23881), (50, 23893), (56, 23944), (57, 23947), (65, 23971), (71, 23992), (72, 23998),

Gene: XFactor_10 Start: 7097, Stop: 7504, Start Num: 21

Candidate Starts for XFactor_10:

(8, 7019), (12, 7052), (17, 7085), (Start: 21 @7097 has 201 MA's), (24, 7130), (26, 7136), (33, 7178), (35, 7193), (38, 7208), (41, 7226), (44, 7253), (46, 7262), (47, 7268), (53, 7304), (55, 7316), (56, 7331), (60, 7346), (61, 7355), (63, 7361), (66, 7382), (68, 7388), (73, 7412), (74, 7415), (78, 7466),

Gene: Xandras_19 Start: 10404, Stop: 10808, Start Num: 20

Candidate Starts for Xandras_19:

(13, 10371), (16, 10392), (Start: 20 @10404 has 119 MA's), (46, 10575), (48, 10587), (56, 10644), (72, 10713), (81, 10794), (82, 10803),

Gene: Xavia_13 Start: 8310, Stop: 8747, Start Num: 14
Candidate Starts for Xavia_13:
(Start: 14 @8310 has 67 MA's), (56, 8568), (57, 8571), (64, 8607), (71, 8640), (79, 8715), (80, 8721),

Gene: Xeno_12 Start: 7343, Stop: 7762, Start Num: 15
Candidate Starts for Xeno_12:
(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Xerxes_12 Start: 7343, Stop: 7762, Start Num: 15
Candidate Starts for Xerxes_12:
(Start: 15 @7343 has 38 MA's), (46, 7514), (56, 7592), (68, 7646), (71, 7661), (72, 7667),

Gene: Xula_11 Start: 7989, Stop: 8408, Start Num: 21
Candidate Starts for Xula_11:
(Start: 21 @7989 has 201 MA's), (27, 8046), (30, 8058), (45, 8163), (56, 8235), (72, 8310), (75, 8331),
(77, 8355),

Gene: YassJohnny_18 Start: 10947, Stop: 11351, Start Num: 20
Candidate Starts for YassJohnny_18:
(13, 10914), (16, 10935), (Start: 20 @10947 has 119 MA's), (46, 11118), (48, 11130), (56, 11187), (72,
11256), (81, 11337), (82, 11346),

Gene: Yorick_10 Start: 7095, Stop: 7499, Start Num: 21
Candidate Starts for Yorick_10:
(Start: 21 @7095 has 201 MA's), (24, 7128), (Start: 25 @7131 has 2 MA's), (26, 7134), (Start: 29
@7152 has 1 MA's), (33, 7176), (35, 7191), (37, 7203), (44, 7251), (46, 7260), (47, 7266), (55, 7314),
(56, 7329), (66, 7380), (67, 7383), (72, 7407), (74, 7413), (76, 7452), (77, 7455), (78, 7464),

Gene: Youngblood_17 Start: 10582, Stop: 10986, Start Num: 20
Candidate Starts for Youngblood_17:
(13, 10549), (16, 10570), (Start: 20 @10582 has 119 MA's), (46, 10753), (48, 10765), (56, 10822), (72,
10891), (81, 10972), (82, 10981),

Gene: YungJamal_49 Start: 23683, Stop: 24135, Start Num: 14
Candidate Starts for YungJamal_49:
(4, 23593), (Start: 14 @23683 has 67 MA's), (Start: 25 @23776 has 2 MA's), (26, 23779), (Start: 29
@23797 has 1 MA's), (40, 23860), (45, 23902), (49, 23920), (50, 23932), (56, 23983), (57, 23986),
(65, 24010), (71, 24031), (72, 24037),

Gene: Zakhe101_46 Start: 23094, Stop: 23546, Start Num: 14
Candidate Starts for Zakhe101_46:
(Start: 14 @23094 has 67 MA's), (Start: 25 @23187 has 2 MA's), (26, 23190), (Start: 29 @23208 has
1 MA's), (40, 23271), (45, 23313), (49, 23331), (50, 23343), (56, 23394), (57, 23397), (65, 23421), (71,
23442), (72, 23448),

Gene: Zerg_10 Start: 7096, Stop: 7500, Start Num: 21
Candidate Starts for Zerg_10:
(Start: 21 @7096 has 201 MA's), (24, 7129), (Start: 25 @7132 has 2 MA's), (26, 7135), (Start: 29
@7153 has 1 MA's), (33, 7177), (35, 7192), (37, 7204), (44, 7252), (46, 7261), (47, 7267), (55, 7315),
(56, 7330), (72, 7408), (74, 7414), (76, 7453), (77, 7456), (78, 7465),

Gene: Zilizebeth_13 Start: 8306, Stop: 8743, Start Num: 14

Candidate Starts for Zilizebeth_13:

(Start: 14 @8306 has 67 MA's), (56, 8564), (57, 8567), (64, 8603), (71, 8636), (79, 8711), (80, 8717),

Gene: Zizzle_10 Start: 7099, Stop: 7503, Start Num: 21

Candidate Starts for Zizzle_10:

(Start: 21 @7099 has 201 MA's), (24, 7132), (Start: 25 @7135 has 2 MA's), (26, 7138), (Start: 29 @7156 has 1 MA's), (33, 7180), (35, 7195), (37, 7207), (44, 7255), (46, 7264), (47, 7270), (55, 7318), (56, 7333), (66, 7384), (67, 7387), (72, 7411), (74, 7417), (76, 7456), (77, 7459), (78, 7468),

Gene: xkcd_18 Start: 10607, Stop: 11011, Start Num: 20

Candidate Starts for xkcd_18:

(13, 10574), (16, 10595), (Start: 20 @10607 has 119 MA's), (46, 10778), (48, 10790), (56, 10847), (72, 10916), (81, 10997), (82, 11006),